



AMBROSE  
UNIVERSITY

# UNDERGRADUATE

## Academic Calendar 2018-2019

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## Important Information

The Academic Calendar is a guide to Ambrose University's programs, courses, admission procedures, academic requirements, and other information. Please note that the courses listed in the Academic Calendar are not necessarily offered each year. The Academic Calendar also contains some of the policies and regulations all students of Ambrose University are required to observe. At the time of registration, each student agrees to be bound by the policies and regulations of Ambrose University and of the program in which the student is enrolled. Students are responsible for familiarizing themselves with all policies, procedures, rules and regulations by which they are bound. While academic advice is available, students are responsible for ensuring that their academic programs, including course selections, meet Ambrose University's regulations in all respects. Program Planning Guides based on the Academic Calendar are also available for students, faculty and advisors.

The publication of the Academic Calendar does not obligate Ambrose University to provide the programs, courses, or services referenced in the Academic Calendar. The contents of the Academic Calendar are subject to continuing review and revision. Ambrose University reserves the right to remove, change or amend, at any time and without notice, the information contained in the Academic Calendar, including its programs, course offerings, fee structure, policies and regulations. In this regard, revisions may be made to the online Academic Calendar to reflect changes or amendments.

This Academic Calendar is considered accurate at the time of publication. If there is any inconsistency between the academic regulations and policies published in the Academic Calendar and such regulations and policies established by either the Faculty or President's Cabinet, the version of such material as passed by the Faculty or President's Cabinet will prevail.

Ambrose University reserves the right to exercise its sole, absolute and unfettered discretion in admitting individuals to the University and its programs or courses. Ambrose University is not liable to any person who may suffer any loss or damages of any type arising from the use of any information contained in the Academic Calendar or arising from any action of Ambrose University in regard to the Academic Calendar, such as, but not to limit the foregoing, any amendment, addition or withdrawal to or from the information provided. Not all Ambrose University's policies and regulations may be contained within this Academic Calendar.

Ambrose University disclaims all liability for loss or damage suffered or incurred by any student or other party as a result of delay, alteration, or termination of services, course programs, tuition or fees caused by fire, work stoppage, inability to procure materials or trades, restrictive laws or government regulations, actions taken by faculty, staff or students of the University, civil unrest or disobedience, or any other cause of any kind beyond the reasonable control of the University.



## A Message from the President

At Ambrose we are committed to the education and formation of men and women for service. But what does this mean? It means that whatever your chosen path, be it business, biology, or biblical studies, you will be taught by faculty who integrate faith with learning. It means that you will be challenged to develop not only academically, but spiritually. Personal development goes hand-in-hand with professional competence, and a life of service to Christ is highlighted through each discipline of study and through each vocational opportunity.

The Ambrose community is one of shared vision and experience. The classroom is essential, of course, but you will also share together in worship, conversation, athletics, meals together, and music. And whether you live on- or off-campus, programs for residence and commuter students will contribute to your formation while at Ambrose.

So, welcome here. Your classes will be stimulating, the conversation invigorating, and the experience, if you take advantage of all that Ambrose has to offer, life-changing.



**Dr. Gordon T. Smith, PhD**

*President, Ambrose University*



## 2018-2019 Academic Schedule

### Fall Semester

Fees due	August 31
Residence opens	September 2
Orientation	September 2-4
Labour Day	September 3
Classes begin	September 5
Last day to add/drop with tuition refund	September 16
Last day to change to audit	September 16
Spiritual Emphasis Days (no daytime classes)	October 2 – 3
Thanksgiving (no classes)	October 8
Graduation application deadline	October 12
Downey Lectureship (classes held)	October 17 – 18
Last day to request revised time for a final exam	October 22
Academic Advising Week	October 29 – November 2
Reading Week	November 5 – 9
Last day to withdraw from courses without academic penalty	November 12
Last day to apply for extension for course work	November 19
Last day of classes	December 11
Final Exams (including Saturday)	December 12 – 19
Residence closes	December 20
Last day to appeal academic standing	January 11

### Winter Semester

Residence opens	January 2
Orientation	January 2
Fees due	January 3
Classes begin	January 3
Last day to add/drop with tuition refund	January 13
Last day to change to audit	January 13
Continuing Student Scholarship and Bursary applications available	January 23
Program Day (no daytime classes)	January 24
Faith, Life and Learning	February 13 – 15
Family Day (no classes)	February 18
Winter Reading Week	February 19 – 23
Continuing Student Scholarship and Bursary applications deadline	February 26
Last day to request revised time for a final exam	March 11
Legacy Youth Conference	March 15 – 17
Registration opens for next year	March 18
Last day to withdraw from courses without academic penalty	March 22
Ambrose Research Conference (no daytime classes)	March 27
Last day to apply for extension for course work	March 29
Academic Advising Weeks	March 25 – April 5
Last day of classes	April 5
Final Exams (includes Saturday)	April 8 – 13
Residence closes (except for grads)	April 14
Good Friday (no classes or exams)	April 19
Easter Monday (no classes or exams)	April 22
Graduation – Convocation Ceremony	April 27
Last day to appeal academic standing	May 24
Last day to appeal course grade	May 24

### Spring Semester

Classes	April 29 – June 28
Victoria Day – no classes	May 20

## General Information

### Contact Information

**Main Reception:** 403.410.2000

#### Ambrose University is open:

- Monday through Thursday (excluding holidays) from 8:00 am to 5:00 pm (MST)
- Friday 8:00 am to 4:00 pm (MST)

### Enrolment Office

**Phone:** 1.800.461.1222 or 403.410.2900

**Fax:** 403.571.2556

**Email:** enrolment@ambrose.edu

**Website:** www.ambrose.edu

#### Address:

Ambrose University  
150 Ambrose Circle SW  
Calgary, AB T3H 0L5

### Location

Calgary, a city of over one million people, is located in the rolling foothills of the Canadian Rockies, just a few hours from the U.S. border. The Calgary International Airport is Canada's third busiest airport. Calgary is known for its blue skies, and Alberta has more hours of sunshine in a year than any other province in Canada.



A unique phenomenon called a Chinook wind can raise temperatures more than 20 degrees in one day, turning winter days into spring-like days. Calgary offers world-class facilities for winter sports, having hosted the Winter Olympics in 1988, and the nearby Rocky Mountains provide exhilarating skiing and other recreational opportunities. The "Stampede City" is also known for its western culture, beautiful pathways along the Bow River, philharmonic orchestra and professional football and hockey teams.

### Facilities

The Ambrose University campus sits on a ridge in southwest Calgary and offers unobstructed views west to the Rocky Mountains. The heart of the campus is the Academic Centre, with its central gathering place. The building features two biology labs, student lounges, classrooms, faculty and administrative offices, a cafeteria and designated areas for group and silent study.



The Ambrose Athletic/Performing Arts Centre is a full-size gymnasium with a sound system, and it accommodates up to 1000 people. Banquet facilities, locker rooms and a fitness centre round out the building. Ambrose University's Music Department enjoys a dedicated choir room, practice rooms and a music lab space.

### Library

The Ambrose Library serves Ambrose University and Ambrose Seminary. With more than 120,000 volumes it has the largest print collection of any private university library in the Prairies. It also has subscriptions to 150,000 e-books and 55,000 electronic journals. Particular strengths include theology, history, music, psychology and Islamics.



The library enhances its on-site offerings through an online catalogue; by subscribing to full-text online periodical databases in theology and biblical studies, business, psychology and the humanities; by membership in The Alberta Library consortium; and by participating in the provincial inter-library loan network. In addition, students and faculty of Ambrose have borrowing privileges at the University of Calgary Library, which is the second largest academic library in the province. Materials borrowed from the University of Calgary can be returned to the Ambrose Library.

Specialized research is further facilitated by special collections on the history of The Christian and Missionary Alliance (C&MA) and by the Ambrose Archives, which houses the records of Ambrose's institutional predecessors

and also serves as the official repository for records of The C&MA in Canada and the Church of the Nazarene Canada.

A professional librarian and trained staff are available to assist students, faculty and other researchers to make optimum use of this vast array of learning resources.

### **Institutional History**

Educating young men and women for service in the church and in overseas mission fields has always been an important emphasis for The Canadian and Missionary Alliance (C&MA) in Canada and the Church of the Nazarene Canada.

The C&MA's commitment to higher education dates back to the vision of its founder Dr. A. B. Simpson, who established North America's first Bible school in New York. This educational emphasis resulted in the addition of two educational institutions in Canada during the 1920s.

A fuller expression of these values led to the founding of Canadian Bible Institute (CBI) in 1941, with an initial class of 50 students meeting in the lower auditorium of the Alliance Tabernacle in Regina, Saskatchewan. Under the direction of the first president, Rev. Blackett, CBI commenced its primary task of training men and women for worldwide ministry and Christian living.

Nazarene University College traces its roots to the Calgary Bible Institute, which was established on January 3, 1921, in the basement of the Calgary First Church of the Nazarene, with an initial class of 29. In 1927, the school relocated to Red Deer, under the leadership of Rev. Charles Thomson, where it became known as Alberta School of Evangelism, and then Northern Bible College (NBC). The purpose of the school was to provide a stream of workers for the Nazarene churches in western Canada and overseas. An accredited residential high school was also established to serve Christian families in rural communities.

In 1940, NBC changed its name to Canadian Nazarene College (CNC) and in 1957 CBI became Canadian Bible College (CBC). Both institutions persevered and became established with purpose-built facilities and

the accreditation of Bachelor of Theology degrees. Canadian Theological College (CTC) was formed in 1970 as a graduate school of theology changing its name to Canadian Theological Seminary (CTS) in 1982. Both CNC and CBC/CTS fulfilled their mandates of training workers for ministry and soon alumni from both campuses were serving across Canada and around the globe.

As the new millennium dawned, the paths of CBC/CTS and CNC converged in an unprecedented way. The goal of both institutions was to provide trained workers for the church and mission fields. Both institutions saw the opportunity for a Christian-based alternative to public universities.

The next phase of maturation saw both CBC/CTS and CNC develop relationships with Canadian universities for the purpose of expanding offerings beyond Bible and theology into the arts and sciences. In 1960, CNC was relocated to Winnipeg to become the official school of the Church of the Nazarene in Canada. CNC also became an approved teaching centre of the University of Manitoba. In that same decade, CBC/CTS developed an educational relationship with the University of Regina.

During the 1990s, Dr. George Durance, President of CBC/CTS, Dr. Riley Coulter, President of CNC, and their boards looked to Alberta, where legislation existed to accredit Christian university colleges.

CNC relocated to Calgary in 1995, became a university college in 1999, and changed its name to Nazarene University College (NUC). In 2003, CBC/CTS moved to Calgary, joined NUC on its downtown campus, received provincial accreditation in 2004 and adopted the name Alliance University College (AUC) forming the educational partnership AUC-NUC.

In May 2007, AUC and NUC became a single institution, Ambrose University, the official Canadian school of both The Christian and Missionary Alliance in Canada and the Church of the Nazarene Canada.

## Accreditations and Affiliations

Ambrose University is accredited by the Campus Alberta Quality Council to offer the following degrees:

- Bachelor of Arts degrees  
(3 year concentrations and 4 year majors)
- Bachelor of Business Administration
- Bachelor of Education (After-Degree)
- Bachelor of Music
- Bachelor of Science degree  
(4 year Biology major)

Ambrose University is also accredited by the Association for Biblical Higher Education (ABHE) to offer the following undergraduate degree/diplomas of the Faculty of Theology:

- Associate in Ministry Diploma
- Bachelor of Theology

Ambrose University is recognized by the Canadian Information Centre for International Credentials (CICIC) as a Designated Learning Institution (DLI).

Ambrose University holds membership/affiliation with the following associations:

- The Alberta Council on Admissions and Transfer (ACAT)  
*Ambrose University is a partner-member of the Alberta transfer system. Go to [www.transferalberta.ca](http://www.transferalberta.ca) to discover how credits taken at another institution may transfer to an Ambrose University program.*
- American Association of Collegiate Registrars and Admissions Officers (AACRAO)
- Association of Christian Continuing Education Schools and Seminaries (ACCESS)
- Association of Registrars of Universities and Colleges in Canada (ARUCC)
- Association of Schools of the American Institute of Holy Land Studies

- Canadian Council of Christian Charities (CCCC)  
• Council of Christian Colleges and Universities (CCCU)

*The CCCU is a higher education association of more than 150 international Christian institutions from around the world, whose mission is to advance the cause of Christ-centered higher education by faithfully relating scholarship and service to Biblical truth.*

- North America Coalition for Christian Admissions Professionals (NACCAP)
- Western Association of Registrars of Universities and Colleges in Canada (WARUCC)
- Tantur Ecumenical Institute for Theological Studies  
*Ambrose University students are eligible for month long travel study experiences at the Tantur Ecumenical Institute for Theological Studies, located near Bethlehem, Israel. Tantur provides an atmosphere of mutual respect and understanding to encourage dialogue and common prayer among peoples of different cultures and Christian traditions.*

## Denominational Affiliations

Ambrose University is the official post-secondary institution of The Christian and Missionary Alliance (C&MA) in Canada and the Church of the Nazarene Canada.

Ambrose University welcomes students from approximately 50 denominations each year, enhancing our rich and diverse campus community.

## Admissions

Ambrose University admits students of any race, gender, colour and national or ethnic origin to its programs and activities. We do not discriminate on the basis of race, gender, colour, national or ethnic origin, physical disability or religion in the administration of any of our programs or activities. Ambrose University reserves the right to deny admission if we judge your overall academic record unacceptable, notwithstanding admissions standards.

Open Studies and Visiting Students please refer to Academic Policies.

You can apply to Ambrose University online at [ambrose.edu](http://ambrose.edu).

*For more information contact the Enrolment Office:*

1.800.461.2222 or 403.410.2900

[enrolment@ambrose.edu](mailto:enrolment@ambrose.edu)

### Enrolment Office

Ambrose University  
150 Ambrose Circle SW  
Calgary, Alberta T3H 0L5

### Application Deadlines

Your completed application form, all supporting documents, official transcript(s) and the appropriate application fee should be submitted by the following deadlines:

#### *Canadian Applicants*

- August 1 for Fall Semester
- December 1 for Winter Semester

#### *USA Applicants*

- July 15 for Fall Semester
- November 15 for Winter Semester

#### *Applicants from outside Canada or the U.S.A.*

- March 1 for Fall Semester
- July 1 for Winter Semester

### Early Admission

If you apply before graduating from high school, please send an unofficial transcript or a mid-year report showing your grade 11 marks as well as your interim marks for grade 12 courses currently in progress. You will be considered for Early Admission when we receive a satisfactory unofficial transcript/mid-year report, a completed Application for Admission form, payment of the application fee and any necessary supporting documents.

### Full Admission

You can only be fully admitted once we receive all of your supporting documents, including official transcripts showing that entrance requirements have been met. To be considered "official," transcripts must be mailed directly to Ambrose by the issuing institution. Unofficial transcripts, such as photocopies and faxed copies of transcripts, or transcripts received directly from you, may be submitted for consideration for Early Admission but only official transcripts will qualify you for Full Admission. If your official transcripts are in a language other than English, it is your responsibility to provide a certified English translation.

### Application Deferral

After a deferral of two semesters, you must reapply to study at Ambrose University.

### Residence Requirement

If you are a first-year single student under 21 years of age, you are required to live in residence, unless you are from the greater Calgary area.

### English Language Requirement

All applicants, including Canadian citizens and permanent residents, whose primary language is not English must provide evidence of proficiency in English by meeting one of the following requirements:

- A minimum score of 560 on the paper-based Test of English as a Foreign Language (TOEFL) test, or a minimum score of 83 on the internet-based TOEFL test
- A minimum score of 6.5 on the International English Language Testing System (IELTS) Academic test
- A minimum score of 85 on the Michigan English Language Assessment Battery (MELAB)
- A minimum score of 70 on the Canadian Academic English Language Assessment (CAEL)
- A minimum score of 58 on the Pearson Test of English Academic (PTE Academic)
- A passing grade in English 30-1 or its equivalent

If you have attended an equivalent institution in North America or can demonstrate English proficiency by other means, this requirement may be waived at the discretion of the university. More information on TOEFL is available at [www.ets.org/toefl](http://www.ets.org/toefl). The TOEFL institution code for Ambrose is 8915.

For the Bachelor of Education program's English Language requirements, please see the note in Program Specific Requirements.

### **Fraudulent Documentation Policy**

Students seeking admission to the University must provide true, complete, and accurate information in their application. Students who falsify or omit information as part of the admission process, up to the add/drop deadline, may have their admission and registration cancelled by the Registrar's Office.

After the course add/drop deadline, students who falsify or omit information may be subject to academic misconduct regulations. Students who have submitted false information may be identified to other post-secondary institutions. Falsified documents may be referred to the appropriate authorities for potential prosecution under the Criminal Code of Canada.

Notwithstanding the foregoing, in the event a student becomes aware that the student has unintentionally made an error in the information submitted, or has unintentionally omitted any information, as part of the admission process, the student is required to immediately report the same to the Registrar's Office. The University will not take disciplinary action against a student that self-reports an error that was made reasonably and unintentionally. The University will only give consideration to students that self-report errors if such reports are made before the University has reason to believe that a student has falsified or omitted information as part of the admissions process.

## **Admissions Requirements**

### **Basic Admission Requirements**

To be admitted into Ambrose under Regular Student status you must have a high school diploma or an equivalent with standing in five (5) Grade 12 level courses as follows.

A 60% average or higher in the following five subjects or their equivalent:

1. English 30-1
2. Subject from List A or B
3. Subject from List A or B
4. Subject from List A or B
5. Subject from List A, B, C or D

For a detailed list of these courses visit:

<https://ambrose.edu/enrolment/provincial-requirements>

Please note that in addition to the Basic Admission Requirements listed above, specific programs may have additional requirements for admission. See Program Specific Requirements.

### **Canadian Home-Schooled Applicants**

Submit one of the following documentations of your senior matriculation:

- An official transcript from the provincial Department of Education showing proof of the required Grade 12 courses as noted under "Regular Student"  
*or*
- A portfolio; an SAT\* Reasoning Test score of 1400 or higher on the three sections of Critical Reading, Mathematics, and Writing, with no section test below 400, or an ACT score of 22 or higher; and an official letter from the home-schooling agency verifying Grade 12 courses.

\* The SAT institution code for Ambrose is 5672.

## **International Baccalaureate/Advanced Placement**

If you have completed International Baccalaureate (IB) or Advanced Placement (AP) courses in high school, you should inquire about receiving transfer credit. More information about IB\* and AP\* transfer credits can be found in the Transfer Credit section.

- \* The IB institution code for Ambrose is 03552; the AP institution code for Ambrose is 5672.

## **Expatriates and Children of International Workers**

Your admission is based on your high school and/or post-secondary curriculum of study, rather your country of citizenship.

- For example, a Canadian citizen, living in Thailand, attending an international school with US based curriculum will be evaluated for admission on the basis of US entrance requirements.
- Please contact enrolment@ambrose.edu if you have questions regarding applicable entrance requirements.

## **International Applicants**

If you are from a country other than Canada, your admission will be based on completion of the equivalent of Alberta senior matriculation (Grade 12). If your official high school transcript is in a language other than English, it is your responsibility to provide Ambrose University with a certified English translation of the transcript.

You are advised to begin the application process one year prior to your anticipated enrolment. All students from countries other than Canada must possess a valid Study Permit and passport prior to entry to Canada, or be Canadian permanent residents or citizens. International students must present their letter of acceptance from Ambrose University, and proof of finances to cover costs of education and living expenses while in Canada to Canadian Immigration officials.

## **United States Applicants**

You will be considered for admission on presentation of all of the following:

- A high school graduation diploma with a minimum grade of C or 60% or better
- A complete SAT\* Reasoning Test with a score of 1400 or higher on the three sections of Critical Reading, Mathematics and Writing, with no section score below 400, or an ACT score of 22 or higher

## **United States Home-schooled**

You will be considered for admission on presentation of all of the following:

- An SAT\* Reasoning Test score of 1400 or higher on the three sections of Critical Reading, Mathematics, and Writing, with no section score below 400 , or an ACT score of 22 or higher
- A transcript from the home-schooling agency showing proof of completion of high school requirements
- A portfolio of learning

\* The SAT institution code for Ambrose is 5672.

## **United Kingdom and Commonwealth Countries**

We accept General Certificate of Education Advanced and GCSE/IGCSE/GCE Ordinary Level Certificates as senior matriculation with standing in five subjects with:

- At least two subjects at Advanced Level, one of which must be English
- No more than three subjects at Ordinary Level
- A minimum overall grade of C is required and no subject is accepted below C grade.

## **Other International Applicants**

You must present the equivalent to Alberta senior matriculation. Normally, this means official certificates or credentials that would allow admittance to a university in your home country. Contact the Admissions Office for further information.

## Entry Statuses

You may be granted admission to Ambrose University with status in one of the following categories:

- Regular Student
- Mature Student
- Transfer Student
- Dean's Recommendation
- Former Student

### Regular Student

If you are admitted to Ambrose on the basis of your high school education, you will be granted Regular Student status. You must meet Basic Admission Requirements as well as the requirements specific to the program you have chosen.

### Mature Student

If you are 21 years of age or older by September 30 (Fall Semester entrance) or by January 31 (Winter Semester entrance) and you do not qualify as a Regular Student, you can be considered for Mature Student status.

To register as a Mature Student you must:

1. Be a Canadian Citizen or a Permanent Resident;
2. Present a 60% average or higher in English 30-1 or its equivalent.

You may need to meet additional requirements for admission to specific programs. You may be asked to complete an English competency exam.

### Transfer Student

If you have completed 15 credits or more at another post-secondary institution, you may be considered for Transfer Student status. You must submit official transcripts of all post-secondary studies as well as official high school transcripts.

- Transfer credit towards Ambrose programs may be granted in accordance with university transfer credit policies.

- If you have post-secondary studies with a cumulative GPA of less than 2.0, or you are on Academic Probation from the previous institution, you may apply for admission on the basis of a Dean's Recommendation.
- If you have been required to withdraw from the previous institution for academic reasons, you are not permitted to register until one year has elapsed from the date that you were required to withdraw.

### Dean's Recommendation

If you do not meet regular admission requirements, you may submit a Letter of Appeal to the Academic Dean. After the Dean reviews your application and appeal, you may be granted admission on the basis of the Dean's official recommendation. Dean's Recommendation is a probationary status. While you may enter Ambrose under this status, in order to continue your studies you must achieve Regular Student status by attaining a minimum GPA of 2.0 in your first 12 credits. Thereafter, you will be subject to standard academic policies. If you do not maintain a GPA of 2.0 in your first 12 credits you may not be allowed to return for the next semester.

### Former Students

To re-enter Ambrose University after an absence of one year and one semester, submit an Application for the program you wish to enter and ensure that your former finance account is paid in full. You must also submit official transcripts of any post-secondary studies undertaken during your absence.

The re-application process also applies if you were suspended from Ambrose and wish to return to continue studies. Re-entry requirements do not apply to students who were absent on Internship or onSite.

When you are re-admitted under Former Student status you must fulfill current degree program requirements. If you have a GPA of less than 2.0, you may be re-admitted on academic probation.

## Program Specific Requirements

### Bachelor of Arts: Behavioural Science

In addition to meeting the basic admission requirements, to gain admission to the *Bachelor of Arts: Behavioural Science* (Concentration or Major) you must present Math 30-1 or Math 30-2 or its equivalent with a passing grade.

### Bachelor of Arts: Business Administration

#### Bachelor of Business Administration

In addition to meeting basic admission requirements, to gain admission to the *Bachelor of Arts: Business Administration Concentration or Bachelor of Business Administration* you must present Math 30-1 or Math 30-2 or its equivalent with a grade of 60% or higher.

### Bachelor of Arts: Music

In addition to meeting basic admission requirements, to gain admission to the *Bachelor of Music or Bachelor of Arts: Music* you must:

- Satisfy the Advanced Rudiments (RCM) requirement (70% minimum grade)
- Pass an entrance audition in your chosen instrument

For your audition, prepare 10-12 minutes of music with varying styles represented. Auditioning in person is the preferred route, but we will accept a recorded audition if you live a considerable distance outside of Calgary. Please contact the music department for further information.

Minimum entrance proficiency:

- Piano – be prepared to begin Grade Nine level work
- Voice – demonstrate strong vocal potential. Formal vocal training is encouraged though not required.
- Guitar – demonstrate a strong, basic guitar skill. Performance is assessed on a case by case basis, and we have both jazz and classical guitar teachers.
- Strings, Brass, Woodwinds, Percussion – be prepared to work at a Grade Eight RCM or higher level

### Bachelor of Education (After-Degree)

Admission is competitive. Present a completed bachelor's degree (minimum 90 credits) with a strong liberal arts component from a recognized university with a minimum average of at least 72% or a GPA of 2.7 on a 4.0 scale on your last 30 credits. Only complete applications will be considered for admission. The program has limited space and applications close when the program is filled. Early applications are encouraged and are necessary to be considered for scholarships.

If your primary language is not English, you must meet one of the following test score requirements:

- Test of English as a Foreign Language (TOEFL) – 100 (iBT) with a minimum sub-score of 27 in Speaking, 25 in Writing, 24 in Listening and 24 in Reading
- International English Language Testing System Academic (IELTS Academic) – 8.0 with no bands below 7.0

### Bachelor of Science: Biology

In addition to meeting basic admission requirements, to gain admission to the *Bachelor of Science: Biology* (Major) you must have English 30-1, Math 30-1, Biology 30, Chemistry 30 or Physics 30 as well as one additional course from List A, B, C or D with an average of 60% or higher. Please note that Physics 30 and Math 31 are recommended but not required.

### Diploma in Acting

In addition to meeting the basic admission requirements, to gain admission to the Diploma in Acting, you must:

- Submit a resume and an essay
- Pass an entrance audition and interview

Auditioning in person is the preferred route, but we will accept a recorded audition if you live a considerable distance outside of Calgary. For more detailed information, visit <https://ambrose.edu/arts-science-programs/diploma-acting/admissions>.

## Application Documents Required

### **Bachelor of Arts (except Music)**

### **Bachelor of Business Administration**

### **Bachelor of Science**

1. Application for Admission
2. Non-refundable application fee (\$70 for Canadian and US applicants, \$100 for applicants from outside North America)
3. Employer/Professional Acquaintance Reference
4. Official high school transcript
5. Official post-secondary transcript, if applicable

### **Bachelor of Arts: Music (3 and 4 year)**

### **Bachelor of Music**

1. Same documents required as for other BA programs
2. Music audition (in person, tape or CD)
3. Proof of theory requirement

### **Associate in Ministry**

### **Bachelor of Theology**

1. Same documents as required for BA programs
2. Reference: Pastor/Denominational Leader
3. One-page testimony

### **Bachelor of Education (After-Degree)**

1. Application Form
2. Non-refundable application fee (\$70 for Canadian and US applicants, \$100 for applicants from outside North America)
3. Official post-secondary transcripts sent directly from the degree-granting institution to Ambrose. Students whose undergraduate degree comes from outside of Canada must have their degree transcript assessed through IQAS at <https://www.alberta.ca/iqas.aspx>.
4. Completed official criminal record check with vulnerable sector search. Calgary residents can contact the Security Clearance Unit of the Calgary Police Service by email or phone: cps-securityclearance calgarypolice.ca or 403-206-2052. Residents who live outside the Calgary area, please contact the police service in your local community prior to relocating to Calgary.

5. Documented work experience with children to include the following:

1. Statement of duties and/or responsibilities
2. Description of agency or organization
3. One letter of support that describes performance
4. Statement of lessons learned

6. Three Reference Forms to be completed by referee and sent directly from referee to Ambrose:

1. Employer/Professional Reference
2. Teacher/Professor Reference
3. Personal/Character Reference

7. Type-written Philosophy of Education Statement evaluated on the basis of the following:

- Cogency and clarity of thought
- Evidence of understanding of children
- Evidence of understanding the role and place of education in culture
- General overall impression.

8. Proof of English Proficiency may be required from applicants whose primary language is not English, or for students whose undergraduate degrees have been completed in a language other than English

9. An interview may be required

### **Diploma in Acting**

1. Same documents required as for other BA programs
2. Audition (in person or recorded)
3. Theatrical Experience reference
4. Resume
5. Essay

## Ambrose University Programs of Study

At Ambrose, you can choose from eighteen Arts and Science academic programs and from five Ministry programs. Twenty-two minors provide you with the opportunity to study a second discipline as a complement to your chosen program.

### Arts and Science Programs

Arts and Science programs at Ambrose University derive from our mission statements, philosophies of learning, goals and objectives. The following summary lists the available Ambrose University Arts and Science programs and the total credit hours required for completion of each program. Please see the specific academic program details for further information.

### Degree and Diploma Programs

#### **Bachelor of Arts (3 years)**

*90 credits*

- Behavioural Science Concentration
- Business Administration Concentration
- Christian Studies Concentration
- English Literature Concentration
- General Studies Concentration
- History Concentration
- Music Concentration

#### **Bachelor of Arts (4 years)**

*120 credits*

- Behavioural Science Major
- Christian Studies Major
- English Literature Major
- History Major
- Music Major

#### **Bachelor of Business Administration (4 years)**

*120 credits*

#### **Bachelor of Education (After-degree) (2 years)**

*60 credits*

#### **Bachelor of Music (4 years)**

*120 credits*

#### **Bachelor of Science (4 years)**

*120 credits*

Biology major

#### **Diploma in Acting (2 years)**

*80 credits*

#### **University Studies Diploma (2 years)**

*60 credits*

### Minors and Streams

#### **Minors**

- Behavioural Science
- Biblical Languages
- Biology
- Business Administration
- Canadian Studies
- Chemistry
- Christian Studies
- Community Development
- Dance
- Ecology
- English Literature
- History
- Industrial and Organizational Psychology
- Intercultural Studies
- Kinesiology
- Liberal Arts
- Music
- Natural Sciences
- Philosophy
- Psychology
- Sociology
- Theatre

## **Streams**

### **Bachelor of Science Streams**

Cellular and Molecular Biology  
Ecology  
General Biology  
Health Sciences  
Kinesiology

### **Business Streams**

Accounting  
Entrepreneurship and Innovation  
Human Resource and Organization Development  
Management  
Marketing

### **Christian Studies Streams**

Biblical Literature and Interpretation  
Christian Spirituality  
Christian Theology and History



# The Purpose of an Ambrose Education

## Mission Statement

Ambrose University prepares men and women for wise, joyful and redemptive engagement in the church, society and the created order through excellent Christian post-secondary education.

## Core Values

The community of Christians at Ambrose University holds as most important:

- excellence in academic programs;
- integration of faith with teaching and learning;
- community as the particular way of being in the world that comes about through right relationships with God, others and creation.

## Educational Philosophy

The teaching and learning practices of the community of Christians at Ambrose University follow six guiding principles.

1. The pursuit of program excellence, integration of faith and learning and Christian community should be evident in classrooms, community and campus life. We believe this because we desire to nurture the development of the artistic, physical and spiritual life of our students, as well as their intellectual life.
2. Our main educational aim is to develop people who are attentive and flexible thinkers and life-long learners who are creative, healthy and spiritually mature.
3. We are convinced that human society and our natural environment have been subjected to sin and that God in Christ by the Spirit is reconciling the world to himself. Therefore, classroom, campus and community life encourage each person to become a redemptive force in the world. To this end, the programs promote academic growth and personal development leading to professional competence, responsible citizenship and a life of service to God and neighbour.
4. We are guided by our institutional mission, core values and commitment to the Christian tradition. From this position, we seek to learn from and engage with the plurality of perspectives within human society.

5. We affirm that all truth is God's truth. This gives legitimacy and necessity to the pursuit of understanding all the great branches of human knowledge. Accordingly, all programs have courses from the broad spectrum of liberal arts to complement the more specialized courses for each degree.

6. We welcome students from all walks of life, and do not discriminate on the basis of race, religion or gender. Ours is a diverse community of learners from many confessional backgrounds.

## Goals and Outcomes

We seek to foster a Christian faith that is integrated, large and encompassing enough to explain all of life, because it has been:

- rooted in Scripture and lived out in Christian discipleship that touches all dimensions of human experience;
- integrated into the study of every academic discipline;
- informed and deepened by these disciplines;
- guided by the great mandate of the Judeo-Christian tradition to "love God" with the "heart and the mind" and our neighbour as ourselves. We believe that loving God with the mind includes seeking to discover, understand and apply truth, wherever it is found in the created order, for the betterment of all humanity.

We strive for excellence in teaching, scholarship and artistic expression to enable students to:

- understand the relevance of the literary, philosophical, aesthetic, scientific and religious achievements of human culture;
- become creative, critical and independent thinkers;
- identify and solve significant problems;
- communicate effectively in written, oral and artistic forms;
- enhance curiosity and engender a desire for life-long learning.

We strive to be a community of learners marked by:

- honesty and humility in all our endeavours;
- love and respect for all people as made in the image of God;
- collegial interaction among faculty, staff and students;
- holistic development in the academic, athletic, cultural, social and spiritual dimensions of life;
- a Christian residence program.

We seek redemptive engagement in society, culture and the world by:

- equipping people to be agents for peace, healing and reconciliation in the world;
- promoting involvement in all sectors of society;
- facilitating the exchange of ideas and viewpoints on current local, regional, national and international issues;
- welcoming students from all walks of life, and not discriminating on the basis of race, religion or gender. Ours is a diverse community of learners from many confessional backgrounds;
- increasing students' capacity for critical and crucial thinking, thereby deepening their understanding of humanity and the world through an introduction to the fundamental fields of knowledge;
- contributing effective service to God's kingdom through the church.

## Definitions

### Major

A major refers to a four-year program. Students normally select their major when they apply to Ambrose University.

### Concentration

A concentration contains the courses in a three-year program which are the disciplinary specialty. Students normally select their concentration when they apply to Ambrose University.

## General Academic Requirements

- A four-year bachelor's degree requires 120 credits; a three-year bachelor's degree requires 90 credits;
- A minimum of 72 credits must be at the 200-level or higher for a four-year major; 45 credits must be taken at the 200-level or higher for a three-year concentration and;
- A maximum of 72 credits may be taken in any one discipline for a four-year program and 42 credits for a three-year program;
- Up to 60 credits may be transferred from another institution for a four-year degree and 45 for a three-year degree;
- A cumulative grade point average (CGPA) of at least 2.0 is required to graduate, with a CGPA of 2.0 in disciplinary courses.

## Arts and Science Electives

The term Arts and Science elective, where it appears in a Bachelor of Arts program, means an Arts and Science course chosen by the student, provided any necessary prerequisites have been met.

## **Arts and Science Courses**

Behavioural Science (BHS)  
Biochemistry (BCH)  
Biology (BIO)  
Botany (BOT)  
Chemistry (CHE)  
Communications (COM)  
Computer Science (CS)  
Development Studies (DVST)  
Economics (ECO)  
Ecology (ECOL)  
English Literature and Modern Languages (EN, FRE)  
Fine Arts (ART, DA, FA, MU, TH)  
Geography (GEOG)  
Geology (GEO)  
History (HI)  
Intercultural Studies (ICS)  
Interdisciplinary (IND)  
Kinesiology (KIN)\*  
Language - Ancient (GR, HEB, LING)  
Mathematics (MA)  
Medical Science (MED)  
Music (MU)  
Philosophy (PH)  
Physics (PHY)  
Political Science (POLI)  
Psychology (PS)  
Religious Studies/Christian Studies (REL)  
Science (SC)  
Sociology (SO)  
Statistics (STA)  
Theatre (TH)  
Zoology (ZOO)

\*Note: Not all KIN courses can be used as Science credits;  
check the course descriptions.

## **Open Electives**

The term Open Elective means any course chosen by the student, provided any necessary prerequisites have been met. All ACC (Accounting), BUS (Business), PST (Professional Studies) and selected KIN (Kinesiology) courses will apply to Ambrose University Arts and Science degrees as Open Electives. Field Education (FE) courses cannot be applied to Arts and Science degrees.

## **Course Level**

Courses considered as junior level are those which have a course number in the 100s. Senior level courses are those numbered at the 200, 300 or 400-level.

## Acting Program • Advisor: Barrett Hileman, MFA

The acting diploma is a two-year experiential commencement into the art and industry of acting. It is a professional, conservatory-training program designed for those wishing to pursue a professional career as an actor or obtain employment in related ministry or marketplace fields. It is a high course-load, high impact program that transforms the student through a rigorous process of

self-examination and hard work. Students are grounded in the tenets of Stanislavski-based acting methodologies, script analysis, and physical training of the voice and body, while encouraged to explore the intersection of their faith and art. Admission into the Diploma is by audition, and continuation into the second-year of study is by invitation only.

### Diploma in Acting Program Requirements (80 credits)

<b>Year One - Semester One</b>	<b>20 credits</b>
TH 201 Acting I: Meisner (3 credits)	
TH 203 Movement I (3 credits)	
TH 207 Voice and Speech I (2 credits)	
TH 209 Vocal Production I (1 credit)	
TH 120a Collective Creation I (3 credits)	
TH 154 Script Analysis (3 credits)	
TH 130 Technical Theatre I (2 credits)	
REL 105 Introduction to the Bible (3 credits)	

<b>Year One - Semester Two</b>	<b>20 credits</b>
TH 202 Acting II: Meisner (3 credits)	
TH 204 Movement II (3 credits)	
TH 208 Voice and Speech II (2 credits)	
TH 210 Vocal Production II (1 credit)	
TH 120b Collective Creation II (3 credits)	
TH 211 Performing Shakespeare (3 credits)	
TH 131 Technical Theatre II (2 credits)	
REL 161 The Christian Faith (3 credits)	

<b>Year Two – Semester One</b>	<b>20 credits</b>
TH 220a Collective Creation III (3 credits)	
TH 222 Rehearsal and Performance: Classical Play (3 credits)	
TH 301 Acting III: Method (3 credits)	
TH 303 Movement III (3 credits)	
TH 307 Voice and Speech III (2 credits)	
TH 309 Vocal Production III (1 credit)	
TH 314 Stage Combat I (2 credits)	
IND 288 Art and Faith I (3 credits)	

<b>Year Two – Semester Two</b>	<b>20 credits</b>
TH 220b Collective Creation IV (3 credits)	
TH 223 Rehearsal and Performance: Contemporary Play (3 credits)	
TH 302 Acting IV: Method (3 credits)	
TH 304 Movement IV (3 credits)	
TH 308 Voice and Speech IV (2 credits)	
TH 310 Vocal Production IV (1 credit)	
TH 315 Stage Combat II (2 credits)	
IND 289 Art and Faith II (3 credits)	

### General Requirements for Completion

- Completion of all requirements
- A Cumulative Grade Point Average (CGPA) of at least 2.0

## Behavioural Science Program • Chair: Dr. Alexandra Sanderson

Behavioural Science is the systematic study of human behaviour for the purpose of understanding and applying social scientific knowledge in both individual and social contexts. This is an interdisciplinary degree encompassing the disciplines of sociology and psychology. While the two sources of explanation: psychology examines how we individually perceive, develop within, and act upon the world, while sociology studies how groups and cultures create a complex social world and how that world then constrains them. Students will need to produce the results of a Criminal Record Check before being permitted to participate in practicum or internship experiences associated with the program.

### Bachelor of Arts: Behavioural Science Concentration (3 year – 90 credits)

The three-year Bachelor of Arts: Behavioural Science Concentration focuses on building solid depth and breadth of understanding in the disciplines of psychology and sociology. Core to the BHS Concentration is a focus on developing knowledge and skill in research methods and data analysis, as well as expecting one term (3 credits) of practicum experience in experimental or applied areas within both disciplines. It also prepares students for entry-level positions in fields related to behavioural science and entrance into after-degree programs (e.g., nursing, education).

#### Profile of the Graduating Student

The graduating student will:

- have a sound understanding of individual and group human behaviour, which will assist students in dealing with people in many helping professions and in their personal lives;
- be able to integrate the knowledge of the psychological processes and social processes that bear upon human behaviour;
- perceive human needs with empathy and develop socially responsible attitudes toward social problems and, in particular, special needs populations in society;

- have a facility with current technology in the field of behavioural science (e.g., electronic databases, computer analysis software such as SPSS);
- develop a Christian view of sociological and psychological processes in conjunction with scientific study.

#### Career and Education Paths

The graduating student will:

- be able to demonstrate an holistic understanding of critical, theoretical and applied domains within psychology and sociology as they contribute to ethical research and responsible practice in each discipline;
- be prepared to obtain entry-level positions in fields related to the behavioural sciences, such as family and social services, human resources, mental health, or communication;
- have the necessary academic preparation for the pursuit of after-degrees in areas such as nursing, education, and other related professional disciplines.

### Bachelor of Arts: Behavioural Science Concentration Program Requirements (90 credits)

Christian Studies	9 credits
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
English	3 credits
EN 115 Introduction to Literature and Language	
Fine Arts	3 credits
(ART, DA, FA, MU, TH)	
History	3 credits
HII 141 World History to 1500 or HII 142 World History since 1500	

<b>Philosophy</b>	<b>3 credits</b>
PH 125 Introduction to Philosophy	
<b>Science</b>	<b>6 credits</b>
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>	
<b>Behavioural Science</b>	<b>12 credits</b>
BHS 240 Research Methods	
BHS 310 Quantitative Methods for Behavioural Science	
BHS 320 Practicum 1	
BHS 400 Seminar in Behavioural Science	
<b>Psychology</b>	<b>9 credits</b>
PS 121 Introduction to Psychology	
PS 250 Social Psychology	
PS 300 Personality	
<b>Sociology</b>	<b>9 credits</b>
SO 121 Principles of Sociology	
SO 220 Social Problems	
SO 310 Classical Social Theory	
<b>Psychology/Sociology Electives</b>	<b>6 credits</b>
<b>Electives</b>	
To meet senior level requirements of the program, 12 credits of electives must be taken at the senior level.	
<b>Arts and Science Electives</b>	<b>6 credits</b>
<b>Open Electives</b>	<b>21 credits</b>

**General Requirements for Completion and Graduation**

- Completion of a total of 90 credits (as outlined above)
- A minimum of 45 credits must be taken at the 200-level or higher
- A maximum of 42 credits taken in any one discipline (PS/SO combined)
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in BHS/PS/SO courses combined

**Bachelor of Arts: Behavioural Science Major  
4 year – 120 credits**

The four-year Bachelor of Arts: Behavioural Science Major focuses on building significant depth and breadth of understanding in the disciplines of psychology and sociology. Core to the BHS Major is a focus on developing knowledge and skill in research methods and data analysis, as well as allowing for two terms of practicum experience (6 credits) in experimental or applied areas within one or both disciplines. Students are able to specialize in several key areas in behavioural science, including Cognitive, Culture and Society, Family and Community, Human Development, Religion and Social Science, and Deviance and Society. It also prepares the student for advanced positions in fields related to behavioural science and entrance into academic graduate programs. Students intending to attend graduate school should consult the Program Chair early in their studies.

**Profile of the Graduating Student**

The graduating student will:

- have a sound understanding of individual and group behaviour, which will assist them in dealing with people in many helping professions and in their personal lives;
- be able to integrate the knowledge of the psychological processes and societal processes that bear upon human behaviour;
- understand research methodology in the behavioural sciences, including constructing and implementing research designs, analyzing and critiquing empirical results, and presenting clear recommendations to appropriate audiences;

- perceive human needs with empathy and develop ethically responsible attitudes toward social problems and, in particular, special needs populations in society;
- have a facility with current technology in the field of behavioural science (e.g., electronic databases, computer analysis software such as SPSS);
- develop a Christian view of sociological and psychological processes in conjunction with scientific study.

### Career and Education Paths

The graduating student will:

- be able to demonstrate a holistic understanding of critical theoretical and applied domains within psychology and sociology as they contribute to ethical research and responsible practice in each discipline;
- be prepared to seek employment in fields related to the behavioural sciences, such as family and social services, human resources, mental health, or communication;
- have the necessary academic preparation for the pursuit of graduate studies in the humanities, education, psychology, sociology, theology, or other fields related to behavioural science.

### Bachelor of Arts: Behavioural Science Major Program Requirements (120 credits)

<b>Christian Studies</b>	<b>9 credits</b>
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
<b>English</b>	<b>3 credits</b>
EN 115 Introduction to Literature and Language	
<b>Fine Arts</b>	<b>3 credits</b>
(ART, DA, FA, MU, TH)	
<b>History</b>	<b>3 credits</b>
HI 141 World History to 1500 or HI 142 World History since 1500	
<b>Philosophy</b>	<b>3 credits</b>
PH 125 Introduction to Philosophy	
<b>Science</b>	<b>6 credits</b>
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>	
<b>Behavioural Science</b>	<b>18 credits</b>
BHS 240 Research Methods	
BHS 310 Quantitative Methods for Behavioural Science	
BHS 320 Practicum 1	
BHS 400 Seminar in Behavioural Science	
BHS 410 Basic Multivariate Statistics	
BHS 420 Practicum 2	
<b>Psychology</b>	<b>9 credits</b>
PS 121 Introduction to Psychology	
PS 250 Social Psychology	
PS 300 Personality	

<b>Sociology</b>	<b>9 credits</b>
SO 121 Principles of Sociology	
SO 220 Social Problems	
SO 310 Classical Social Theory	
<b>Psychology and Sociology Electives</b>	
18 credits with a minimum of 3 credits in each of the six following areas:	
<b>Cognitive Studies</b>	
PS 310 Motivation and Emotion	
PS 330 Brain and Behaviour	
PS 332 Psychology of Creativity	
PS 350 Cognitive Psychology	
PS 351 Introduction to Cognitive Neuroscience	
PS 401/MU 401 Psychology of Music	
<b>Culture and Society</b>	
PS 334/KIN 334 Sports Psychology	
PS 342 Culture and Psychology	
PS 346 Language, Culture & Communication	
PS 354 Culture & Human Development	
PS 402 Psychology of Immigration	
SO 205 Sociology of Sport	
SO 206 Sociology of Gender	
SO 300 Ethnic Relations	
SO 360/DVST 360 Sociology of Development	
<b>Family and Community</b>	
PS 305 Psychology of Family	
PS 345 Interpersonal Communication	
PS 430 Social Development: Child, Family, School, Community	
SO 200 Sociology of Families	

<b>Human Development</b>	
PS 220 Child Development	
PS 230 Adolescent Development	
PS 240 Adulthood and Aging	
PS 320 Developmental Psychopathology	
<b>Religion and Social Science</b>	
PS 341 Psychology of Religion: Development over the Lifespan	
PS 343 Psychology of Religion: Spiritual Experience	
SO 320 Sociology of Religion	
SO 340 Religion and Culture in Canada	
SO 410 Religious Diversity in North America	
<b>Deviance and Society</b>	
PS 285 Abnormal Psychology	
PS 450 Forensic Psychology	
SO 203 Introduction to Criminology	
SO 303 The Sociology of Youth Crime and Deviance	
SO 325 Sociology of Deviance	
SO 403 Global Criminology	
<b>Electives</b>	
To meet senior level requirements in the program, 21 credits of electives must be taken at the senior level.	
<b>Arts and Science Electives</b>	<b>18 credits</b>
<b>Open Electives</b>	<b>21 credits</b>

**General Requirements for Completion and Graduation**

- Completion of a total of 120 credits (as outlined above)
- A minimum of 72 credits must be taken at the 200-level or higher
- A maximum of 72 credits taken in any one discipline (PS/SO combined)
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in BHS/PS/SO courses combined

## Biology Program • Chair: Dr. Carol Kroeker

### Bachelor of Science: Biology

#### 4 year – 120 credits

The Bachelor of Science (BSc) program strives to give students a well-rounded Biology education, with a broad-based biological background. In this way, the program allows for maximum flexibility in career choice, whether it be research, medicine, teaching, or another related discipline. The program also provides all the courses required for application and admission into professional programs such as Medicine, Dentistry, Chiropractic, Pharmacology, Optometry, and Veterinary Medicine.

Students may choose a stream from the following list that best suits their career goals: Biology, Cellular and Molecular Biology, Health Sciences, Kinesiology, General Biology, or Ecology. The degree program also includes course work in Biochemistry, Botany, Ecology, Microbiology, Physiology, Zoology, Chemistry, Physics and Math. The program helps students develop critical thinking skills as well as practical research techniques and laboratory skills.

#### Profile of the Graduating Student

The graduating student will have a solid understanding of:

- the processes of life on a cellular level;
- the structure and function of human life, with an understanding of its physiological processes;
- animal life and physiology, with comparisons to human structure and function;
- the physiology, genetics, and life history of micro-organisms;
- individual and population ecology;
- plant physiology and ecology.

BSc (Biology) graduates will also be able to:

- apply biological knowledge to specific issues;
- use critical thinking skills to approach research problems;
- design experimental protocols to test hypothesis, with appropriate data collection and analysis;
- perform basic experimental laboratory techniques, such as slide preparation, spectrophotometry, dissection, and extraction;

- integrate knowledge from the Arts and Sciences with their faith;
- form values and convictions based on sound reasoning and clear methodology.

#### Career and Education Paths

Graduating students will have several career options open to them, including:

- further professional studies (including Medicine, Dentistry, Pharmacy, Veterinary Medicine, and Optometry);
- research in a private company (such as a pharmaceutical company or ecological group);
- entry-level work in one of the many fields of biology – from ecology to botany to microbiology to physiology;
- graduate work and research;
- further studies in the areas of kinesiology, nursing, education or engineering.

### Bachelor of Science: Biology Program Requirements (120 credits)

Christian Studies	9 credits
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
English	3 credits
EN 115 Introduction to Literature and Language	
History or Philosophy	3 credits
<i>One of the following:</i>	
HI 141 World History to 1500	
HI 142 World History since 1500	
PH 125 Introduction to Philosophy	
Social Science	6 credits
<i>Two of the following:</i>	
PS 121 Introduction to Psychology	
SO 121 Principles of Sociology	
3 credits of Psychology, Sociology or Behavioural Science	

<b>Biology Requirements</b>	<b>15 credits</b>
BIO 131 Introduction to the Cellular Basis of Life	
BIO 133 Introduction to Plant and Organismal Biology	
BIO 211 Principles of Genetics	
BIO 213 Principles of Ecology	
BIO 231 Cellular and Molecular Biology	
<b>Biochemistry</b>	<b>3 credits</b>
BCH 241 Biochemistry of Life Processes or BCH 297 Introduction to Biochemistry	
<b>Chemistry</b>	<b>9 credits</b>
CHE 101 General Chemistry I	
CHE 103 General Chemistry II	
CHE 251 Organic Chemistry I	
<b>Math/Statistics</b>	<b>6 credits</b>
BIO 310 Quantitative Methods for Biology	
<i>One of the following:</i>	
MA 111 Linear Algebra	
MA 149 Introductory Calculus or MA 151 Calculus I	
MA 153 Calculus II	
<b>Physics/Geography/Geology/Computer Science/Astronomy/Biomechanics</b>	<b>9 credits</b>
PHY 111 Mechanics	
<i>Two of the following:</i>	
CS 100 Introduction to Computers	
CS 115 Introduction to Computer Programming	
GEO 109 Introduction to Geology	
GEOG 120 Physical Geography	
KIN 385 Biomechanics	
PHY 123 Introductory Electromagnetism and Thermal Physics	
SC 120 Introduction to Astronomy	

<b>Bachelor of Science Streams</b>
<b>30 credits from one of the following streams</b>
<b>Cellular and Molecular Biology</b>
BIO 241 General Microbiology
BIO 329 Molecular Genetics
BIO 345 Research Methods in Biology
CHE 253 Organic Chemistry II
<i>One of the following:</i>
BCH 397 Advanced Biochemistry
BCH 367 Laboratory Techniques in Biochemistry and Molecular Biology
BCH 357 Chemical Pharmacology
CHE 335 Introduction to Nanoscience and Technology
<i>Three of the following:</i>
BIO 320 Bioethics
BIO 327 Medical Genetics
BIO 425 Reading Course in Epidemiology
BIO 445 Immunology
BIO 455 Clinical Molecular Oncology
BIO 493 Independent Research Study in Biology I
BIO 495/BIO 497 Independent Research Study in Biology I/II (Cell-based)
KIN 255 Growth and Development
PS 441 Clinical Pharmacology
ZOO 261 Human Physiology I
ZOO 263 Human Physiology II
<i>6 senior level Science credits from</i>
BCH, BIO, KIN*, MED, ZOO
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>
<b>Health Sciences</b>
BIO 345 Research Methods in Biology
ZOO 261 Human Physiology I
ZOO 263 Human Physiology II
ZOO 265 Human Anatomy

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9 credits from

- BIO 241 General Microbiology
  - BIO 269 Nutrition
  - BIO 320 Bioethics
  - BIO 327 Medical Genetics
  - BIO 445 Immunology
  - BIO 495/BIO 497 Independent Research in Biology I/II (Health-based)
  - KIN 255 Growth and Development
  - KIN 323 Integrative Physiology
  - KIN 367 Exercise Physiology
  - MED 231 Medical Terminology
  - MED 275 Health and Wellness
  - MED 469 Current Topics in Health and Medicine
  - ZOO 323 Integrative Physiology
  - ZOO 361 Pathophysiology
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9 senior level Science credits from

- BCH, BIO, KIN\*, MED, ZOO

\*Note: Not all KIN courses can be used as Science credits;  
check the course descriptions.

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### Ecology

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- BIO 345 Research Methods in Biology
  - BIO 351 Conservation Biology
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Two of the following:

- BIO 301 Principles of Evolutionary Biology
  - ECOL 317 Aquatic Communities and Ecosystems
  - ECOL 319 Terrestrial Communities and Ecosystems
  - ECOL 335 Introduction to Environmental Science
  - ECOL 337 Current Topics in Ecology
  - ECOL 383 Animal Behaviour
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Three of the following:

- BIO 241 General Microbiology
  - BIO 339 Introduction to Biotechnology
  - BIO 389 Field Course in Conservation Biology
  - BIO 495/BIO 497 – Independent Research Study in Biology I/II (Ecology-based)
  - BOT 203 The Biology of Plants
  - ECOL 317 Aquatic Communities and Ecosystems
  - ECOL 319 Terrestrial Communities and Ecosystems
  - ECOL 335 Introduction to Environmental Science
  - ECOL 337 Current Topics in Ecology
  - ECOL 383 Animal Behaviour
  - Ecology-based travel study trip
  - ZOO 275 Invertebrate Zoology
  - ZOO 277 Biology of Vertebrates
- 

9 senior level Science credits in

- BCH, BIO, BOT, ECOL, ZOO
- 

### Kinesiology

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- KIN 201 Introduction to Kinesiology
  - ZOO 261 Human Physiology I
  - ZOO 263 Human Physiology II
  - ZOO 265 Human Anatomy
- 

9 credits from:

- BIO 269 Nutrition
  - KIN 323 Integrative Physiology
  - KIN 334/PS 334 Sports Psychology
  - KIN 367 Exercise Physiology
  - KIN 385 Biomechanics
  - HI 365 Sports and Society
  - MED 231 Medical Terminology
  - MED 275 Health and Wellness
  - ZOO 323 Integrative Physiology
  - ZOO 361 Pathophysiology
- 

9 senior level credits in

- BCH, BIO, BOT, MED, ZOO
-

**Bachelor of Science Streams**  
**30 credits from one of the following streams**

**General Biology**

30 senior-level credits in BCH, BIO, BOT, ECOL, KIN\*, MED, ZOO

*These courses may include:*

- BIO 241 General Microbiology
- BIO 327 Medical Genetics
- BIO 351 Conservation Biology
- BOT 203 The Biology of Plants
- KIN 201 Introduction to Kinesiology
- KIN 385 Biomechanics
- ZOO 261 Human Physiology I
- ZOO 263 Human Physiology II
- ZOO 277 Biology of Vertebrates
- ZOO 379 Introduction to Marine Biology

*\*Note: Not all KIN courses can be used as Science credits; check the course descriptions.*

**Electives**

To meet senior level requirements in the program, you are advised to make sure you take enough senior electives so that you have 72 senior credits total in your program. (21 senior elective credits are recommended.)

<b>Arts Electives</b>	<b>3 credits (non-Science)</b>
<b>Open Electives</b>	<b>24 credits</b>

**General Requirements for Completion and Graduation**

- Completion of Core Requirements
- Completion of a total of 120 credits (as outlined above)
- A minimum of 72 credits must be taken at the 200-level or higher
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in science discipline courses combined



## Business Administration Program • Chair: Dr. Randy Poon

### Bachelor of Arts: Business Administration Concentration (3 year – 90 credits)

In keeping with the University mission to promote redemptive engagement with society and in support of its educational objectives, the goal of this concentration is to give students a broad base of Arts and Science, alongside an integrated approach to business. Business administration graduates are tomorrow's leaders who have a broad knowledge base and are well equipped to pursue careers in management.

#### Profile of the Graduating Student

Our graduates are:

- inquisitive life-long learners familiar with information technology;
- effective communicators, good team players, and caring individuals;
- engaged in the local community with an ethical, social, historical, and global awareness;
- critical thinkers and creative problem solvers;
- able to understand and integrate the core functional areas of business with a Christian perspective;
- people of integrity ready to serve in the marketplace in a manner consistent with their faith.

### Bachelor of Arts: Business Administration Concentration Program Requirements (90 credits)

Christian Studies	9 credits
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
English	3 credits
EN 115 Introduction to Literature and Language	
Fine Arts	3 credits
(ART, DA, FA, MU, TH)	
History	3 credits
HI 141 World History to 1500 or HI 142 World History since 1500	

Philosophy	6 credits
PH 125 Introduction to Philosophy	
<i>One of the following:</i>	
BUS 210 Business Ethics and Corporate Governance	
PH 202 Ethics	
REL 372 Christian Ethics	
Science	3 credits
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>	
Social Science	3 credits
PS 121 Introduction to Psychology or SO 121 Principles of Sociology	
Pre-Professional Requirements	12 credits
ECO 110 Microeconomics and Macroeconomics I	
ECO 120 Microeconomics and Macroeconomics II	
MA 110 Introduction to Mathematics for Business	
STA 210 Introduction to Business Statistics	
Business Requirements	27 credits
ACC 200 Introduction to Financial Accounting	
ACC 210 Managerial Accounting	
BUS 100 Introduction to Business Administration	
BUS 220 Finance	
BUS 250 Organizational Behaviour	
BUS 280 Marketing	
BUS 499 Capstone Seminar in Business	
6 credits in Business at the 300-level or above	
Electives	
To meet senior level requirements of the program, 9 credits of electives must be taken at the senior level.	
Arts and Science Electives	18 credits
Open Electives	3 credits

### General Requirements for Completion and Graduation

- Completion of a total of 90 credits (as outlined above)
- A minimum of 45 credits must be taken at the 200-level or higher
- A maximum of 42 credits taken in any one discipline (ACC/BUS/ECO combined)
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in ACC/BUS/ECO courses combined

### Bachelor of Business Administration

#### 4 year – 120 credits

The Bachelor of Business Administration degree develops professional skills and knowledge from both an academic and practical business perspective. Students gain a strong theoretical foundation and develop a base of skills and experience in a range of business-related fields. The degree also focuses on developing ethics and management values which reflect a Christian worldview.

#### Profile of the Graduating Student

Graduating students will be:

- knowledgeable and functional contributors to organizations in the core areas of business;
- effective communicators, good team players, and caring individuals;
- engaged in the local community with an ethical, social, historical, and global awareness;
- critical thinkers and creative problem solvers;
- able to understand and integrate the core functional areas of business with a Christian perspective;
- good stewards of all of God's gifts including abilities, time and resources;
- people of integrity ready to serve in the marketplace in a manner consistent with their faith.

### Bachelor of Business Administration Program Requirements (120 credits)

<b>Christian Studies</b>	<b>9 credits</b>
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
<b>English</b>	<b>3 credits</b>
EN 115 Introduction to Literature and Language	
<b>Fine Arts</b>	<b>3 credits</b>
(ART, DA, FA, MU, or TH)	
<b>History</b>	<b>3 credits</b>
HI 141 World History to 1500 or HI 142 World History since 1500	
<b>Philosophy</b>	<b>3 credits</b>
PH 125 Introduction to Philosophy	
<b>Social Science</b>	<b>3 credits</b>
PS 121 Introduction to Psychology or SO 121 Principles of Sociology	
<b>Science</b>	<b>3 credits</b>
MA 110 Introduction to Mathematics for Business	
<b>Pre-Professional Requirements</b>	<b>9 credits</b>
ECO 110 Microeconomics and Macroeconomics I	
ECO 120 Microeconomics and Macroeconomics II	
STA 210 Introduction to Business Statistics	
<b>Business and Society Elective</b>	<b>3 credits</b>
<i>Choose one of:</i>	
DVST 210 Introduction to Community Development	
DVST 305/BUS 305 Management of Non-Profit Organizations	
SO 220 Social Problems	
PS 307 Psychological Impacts of Poverty	

<b>Business Requirements</b>	<b>63 credits</b>
ACC 200 Introduction to Financial Accounting	
ACC 210 Managerial Accounting	
BUS 100 Introduction to Business Administration	
BUS 201 Business Communication	
BUS 210 Business Ethics and Corporate Governance	
BUS 220 Finance	
BUS 250 Organizational Behaviour	
BUS 261 Global Business Practices	
BUS 280 Marketing	
BUS 341 Leadership Theory and Practice	
BUS 350 Business Law	
BUS 351 Corporate Social Responsibility and Shared Value Creation	
BUS 371 Operations Management	
BUS 390 New Ventures and Social Entrepreneurship	
BUS 410 Advanced Strategy	
BUS 499 Capstone Seminar in Business	
15 credits in ACC/BUS at the 300-level or higher or ECO at the 200-level or higher	
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<b>Electives</b>	
To meet senior level requirements of the program, 6 credits of Open Electives must be taken at the senior level.	
<b>Open Electives</b>	<b>18 credits</b>

<b>Optional Business Streams</b>	
Students may choose one stream as indicated below (15 credits) with the exception of Accounting stream (18 credits).	
<b>Accounting</b>	<b>18 credits</b>
ACC 205 Introduction to Financial Accounting II	
ACC 301 Intermediate Financial Accounting I	
ACC 302 Intermediate Financial Accounting II	
<i>Three of the following:</i>	
ACC 310 Intermediate Managerial Accounting	
ACC 401 Advanced Financial Accounting	
ACC 403 Principles of Auditing	
ACC 425 Introduction to Taxation	
ACC 495 Special Topics in Accounting	
Note: to fulfill all of the requirements for the CPA PREP program, students will need all of the above (with the exception of ACC 495), plus BUS 370 Management Information Systems	
<b>Human Resource and Organization Development</b>	
BUS 330 Human Resource Management	
<i>Four of the following:</i>	
BUS 331 Organization Development and Change	
BUS 431 Learning and Performance Management	
BUS 432 Recruitment and Selection	
BUS 433 Employee and Labour Relations	
BUS 435 Special Topics in Human Resources	
BUS 441 Advanced Leadership	
BUS 445 Special Topics in Leadership	
BUS 449 Senior Leadership Research	

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### Marketing

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BUS 380 Marketing Research

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BUS 480 Strategic Marketing

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*Three of the following:*

BUS 381/DVST 381 Societal and Social Marketing

BUS 382 Consumer Behaviour

BUS 383 Marketing Communications

BUS 384 Brand Management

BUS 385 Special Topics in Marketing

BUS 485 Special Topics in Marketing

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### Management

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ACC 205 Introduction to Financial Accounting II

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BUS 372 Data Analysis for Business

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*For a total of nine credits*

*One or two of the following:*

BUS 470 Project Management

BUS 472 Business Analytics

BUS 475 Special Topics in Management

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*One or two of the following (with the exception of core business courses):*

3 credits Finance (BUS 32X or BUS 42X)

3 credits Human Resources (BUS 33X or BUS 43X)

3 credits Leadership (BUS 44X)

3 credits Business and Society (BUS 35X or 45X)

3 credits International Business (BUS 36X or 46X)

3 credits Marketing (BUS 38X)

3 credits Accounting at the 300-level or higher

3 credits Economics at the 300-level or higher

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### Entrepreneurship and Innovation

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BUS 392 Business Planning for Social Entrepreneurs

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BUS 492a/b Entrepreneurship Incubator

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*For a total of nine credits:*

*One or two of the following:*

BUS 441 Advanced Leadership

BUS 445 Special Topics in Leadership

BUS 449 Senior Leadership Research

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*At least one of the following:*

BUS 380 Marketing Research

BUS 381/DVST 381 Societal and Social Marketing

BUS 382 Consumer Behaviour

BUS 383 Marketing Communications

BUS 384 Brand Management

BUS 385 Special Topics in Marketing

BUS 495 Special Topics in Entrepreneurship and Innovation

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### General Requirements for Completion and Graduation

- Completion of a total of 120 credits (as outlined above)
- A minimum of 72 credits must be taken at the 200-level or higher
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in ACC/BUS/ECO courses combined

## Christian Studies Program • Chair: Dr. Rob Snow

The Christian Studies program enables students to become life-long agents of transformative change in the world. In the program, students not only study and experience the Christian faith, but also reflect upon the relevance of this faith for their own lives and the world in which they live.

All students take a core of foundational courses in Bible, Christian Theology and History, and Christian Spirituality. Students focus on one of three streams enabling further study of and reflection upon various aspects of their chosen area. Finally, a significant part of the program is the opportunity for students to participate in a travel study venture 'Down Ancient Paths' which provides life-changing exposure to biblical landscapes and ancient Christian traditions.

### Bachelor of Arts: Christian Studies Concentration 3 year – 90 credits

#### Profile of the Graduating Student

The graduating student will develop:

- further knowledge of the literature of Scripture and its historical backgrounds;
- a deeper understanding of the major historical and theological Christian traditions;
- a heightened appreciation for the multi-faceted dimensions of Christian spirituality;
- the ability to determine the relevance of the Christian faith in order to engage the world in redemptive activity.

#### Career and Education Paths

The graduating student will:

- have a solid foundation for living out the Christian faith in professional vocations such as law, medicine, and education;
- be prepared to work in para-church organizations, non-governmental organizations, or some church ministry positions;
- be able to pursue graduate studies in theology, church history, or biblical studies at a seminary or university. Students who wish to pursue further Christian studies at the graduate level need to complete the four-year major and consult with the Program Chair early in their studies.

### Bachelor of Arts: Christian Studies Concentration Program Requirements (90 credits)

<b>Christian Studies</b>	<b>3 credits</b>
REL 105 Introduction to the Bible	
<b>English</b>	<b>3 credits</b>
EN 115 Introduction to Literature and Language	
<b>Fine Arts</b>	<b>3 credits</b>
(ART, DA, FA, MU, TH)	
<b>History</b>	<b>3 credits</b>
HI 141 World History to 1500 or HI 142 World History since 1500	
<b>Philosophy</b>	<b>3 credits</b>
PH 125 Introduction to Philosophy	
<b>Science</b>	<b>6 credits</b>
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>	
<b>Social Science</b>	<b>6 credits</b>
PS 121 Introduction to Psychology	
SO 121 Principles of Sociology	
<b>Christian Studies Requirements</b>	<b>21 credits</b>
HI 263 History of Christianity	
PH 202 Ethics or REL 372 Christian Ethics	
REL 130 Introduction to World Religions	
REL 205 Traditions and Turning Points	
REL 260 Theology I: God and Word	
REL 261 Theology II: Spirit and Church	
3 credits REL at the senior level	

**Christian Studies Streams****15 credits from one of the following streams****Biblical Literature and Interpretation**

REL 315 Hermeneutics (required)

GR 100 New Testament Greek I

GR 201 New Testament Greek II

GR 300 New Testament Greek III

HEB 200 Biblical Hebrew I

HEB 201 Biblical Hebrew II

HEB 300 Biblical Hebrew III

NT Book Study

OT Book Study

REL 210 Life and Letters of Paul

REL 212 Wisdom Literature of the Old Testament

REL 220 Pentateuch

REL 240 The Synoptic Gospels

REL 325 Topics in the Old Testament

REL 334 Prophetic Books of the Old Testament

REL 335 The Rise and Fall of the Israelite Monarchy

REL 355 Topics in the New Testament

REL 401 Biblical Theology

REL 405 Special Topics in Biblical Literature and Interpretation

**Christian Theology and History**

HI 222 Renaissance and Reform

HI 313 Topics in Christian History: Christianity in Canada

HI 363 Topics in Christian History: Evangelicalism

REL 303 God and Evil

REL 305 Christianity and Culture

REL 358 History and Polity of the Church of the Nazarene

REL 362 Alliance History and Thought

REL 363 Contemporary Theology

REL 367 Theologies from the Margins

REL 369 Trajectories in Sixteenth-Century Reformation Thought

REL 372 Christian Ethics

REL 373 Wesleyan Theology

REL 374 Theology of Holiness

REL 375 Theology of Mission

REL 376 Meaning and Purpose of Work in Christian Perspective

REL 460 Theology Seminar

REL 405 Special Topics in Christian Theology &amp; History

**Christian Spirituality**

REL 111 Introduction to Christian Spirituality (required)

EN 275 Spiritual Autobiographies

REL 360 Spaces of the Heart

REL 361 Streams of Christian Spirituality

REL 364 Prayer Paths to God: The History and Practice of Christian Prayer

REL 365 Into the Wasteland: Exploring the Desert/Wilderness Experience in Christian Spirituality

REL 366 Spiritual Companions

REL 368 Exploring the 'Dream Experience' in Christian Spirituality

REL 371 The Church and Contemporary Spiritualities

REL 405 Special Topics in Christian Spirituality

**Electives**

To meet senior level requirements of the program, at least 12 credits of electives must be taken at the senior level.

<b>Arts and Science Electives</b>	<b>9 credits</b>
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<b>Open Electives</b>	<b>18 credits</b>
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**General Requirements for Completion and Graduation**

- Completion of a total of 90 credits (as outlined above)
- A minimum of 45 credits must be taken at the 200-level or higher
- A maximum of 42 credits taken in any one discipline
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in REL courses

**Bachelor of Arts: Christian Studies Major****4 year – 120 credits**

Students who choose the four-year major will have the opportunity to study their chosen stream in even more detail, and critically reflect upon the relevance and meaning of their Christian studies learning in a fourth-year capstone seminar course.

**Bachelor of Arts: Christian Studies Major****Program Requirements (120 credits)**

<b>Christian Studies</b>	<b>3 credits</b>
REL 105 Introduction to the Bible	
<b>English</b>	<b>3 credits</b>
EN 115 Introduction to Literature and Language	
<b>Fine Arts</b>	<b>3 credits</b>
(ART, DA, FA, MU, TH)	
<b>History</b>	<b>3 credits</b>
HI 141 World History to 1500 or HI 142 World History since 1500	
<b>Philosophy</b>	<b>3 credits</b>
PH 125 Introduction to Philosophy	
<b>Science</b>	<b>6 credits</b>
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<small>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</small>	
<b>Social Science</b>	<b>6 credits</b>
PS 121 Introduction to Psychology	
SO 121 Principles of Sociology	

**Christian Studies Requirements****30 credits**

HI 263 History of Christianity

PH 202 Ethics or REL 372 Christian Ethics

REL 130 Introduction to World Religions

REL 205 Traditions and Turning Points

REL 260 Theology I: God and Word

REL 261 Theology II: Spirit and Church

REL 485 Capstone Seminar

9 credits REL at the 300-level

**Christian Studies Streams****21 credits from one of the following streams****Biblical Literature and Interpretation**

REL 315 Hermeneutics and 6 credits of Biblical Languages (required)

GR 100 New Testament Greek I

GR 201 New Testament Greek II

GR 300 New Testament Greek III

HEB 200 Biblical Hebrew I

HEB 201 Biblical Hebrew II

HEB 300 Biblical Hebrew III

NT Book Study

OT Book Study

REL 210 Life and Letters of Paul

REL 212 Wisdom Literature of the Old Testament

REL 220 Pentateuch

REL 240 The Synoptic Gospels

REL 325 Topics in the Old Testament

REL 334 Prophetic Books of the Old Testament

REL 335 The Rise and Fall of the Israelite Monarchy

REL 355 Topics in the New Testament

REL 401 Biblical Theology

REL 405 Special Topics in Biblical Literature and Interpretation

**Christian Theology and History**

- 
- HI 222 Renaissance and Reformation
- 
- HI 313 Topics in Christian History: Christianity in Canada
- 
- HI 363 Topics in Christian History: Evangelicalism
- 
- REL 303 God and Evil
- 
- REL 305 Christianity and Culture
- 
- REL 358 History and Polity of the Church of the Nazarene
- 
- REL 362 Alliance History and Thought
- 
- REL 363 Contemporary Theology
- 
- REL 367 Theologies from the Margins
- 
- REL 369 Trajectories in Sixteenth-Century Reformation Thought
- 
- REL 372 Christian Ethics
- 
- REL 373 Wesleyan Theology
- 
- REL 374 Theology of Holiness
- 
- REL 375 Theology of Mission
- 
- REL 376 Meaning and Purpose of Work in Christian Perspective
- 
- REL 405 Special Topics in Christian Theology & History
- 
- REL 460 Theology Seminar
- 

**Christian Spirituality**

- 
- REL 111 Introduction to Christian Spirituality (required)
- 
- EN 275 Spiritual Autobiographies
- 
- REL 270 Walking, Wrestling & Waltzing with God: Spiritual Writing
- 
- REL 360 Spaces of the Heart
- 
- REL 361 Streams of Christian Spirituality
- 
- REL 364 Prayer Paths to God: The History and Practice of Christian Prayer
- 
- REL 365 Into the Wasteland: Exploring the Desert/Wilderness Experience in Christian Spirituality
- 
- REL 366 Spiritual Companions
- 
- REL 368 Exploring the 'Dream Experience' in Christian Spirituality
- 
- REL 371 The Church and Contemporary Spiritualities
- 
- REL 405 Special Topics in Christian Spirituality
- 

**Electives**

To meet senior level requirements in the program, at least 24 credits must be taken at the senior level.

<b>Arts and Science Electives</b>	<b>21 credits</b>
<b>Open Electives</b>	<b>21 credits</b>

**General Requirements for Completion and Graduation**

- Completion of a total of 120 credits (as outlined above)
- A minimum of 72 credits must be taken at the 200-level or higher
- A maximum of 72 credits taken in any one discipline
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in REL courses

## **Education Program (After-Degree) • Associate Dean: Dr. Sherry Martens**

### **Vision**

Shaped by a Christian Liberal Arts tradition, we prepare outstanding educators to joyfully take up teaching and learning through a transformative mindset of hope and grace as a means of serving the common good in public education.

### **Mission**

We will provide a rigorous, competency-based curriculum that will engage students to become reflective, innovative and engaging teachers.

The Bachelor of Education (After Degree) (BEd) is a two-year, 60-credit program designed to prepare teachers with an accredited university degree to work in the public school system. Our goal as professors and leaders in the program is for a successful graduate to have met the requirements of the competencies of the Government of Alberta's Teaching Quality Standard (TQS) so to be eligible for an Alberta Interim Teaching Certificate.

The BEd program includes a number of distinctive features. The program is competency based, grounded in research, and designed to prepare students to teach effectively in classrooms made up of diverse learners. Our main program goal is to prepare a successful graduate who can design inclusive learning experiences to accommodate all children, including those with exceptional learning needs and cultural diversity. We include an informal mentorship program in which our students will be nurtured by current or retired classroom teachers. We have partnerships with Calgary and area school districts including the CBE, Rocky View Schools, Palliser, Calgary Catholic, and Charter schools in which students are placed for their 19.5 weeks of in-school experiences over the two years of the program. In addition, we provide bursary opportunities for students who wish to volunteer in schools in/out of the country.

There are four distinct and integrated Program Components: Learning Theory and Application; Curriculum Design and Program Development; Society and Culture – Methodologies and Practices; and Field Experience. Each Program Component is made up of three distinct but not separate courses, and each course is integrated with the other courses in the Program Component in a developmental and graduated (cumulative) way.

### **Profile of the Graduating Student**

The successful graduate:

- holds a high view of teaching as a vocation;
- holds Christian values;
- believes strongly in the primacy of learning for children in schools;
- has a thorough understanding of, and confidence to work with, inquiry-based learning;
- possesses knowledge of curriculum and learning theory;
- displays a readiness to engage in shared praxis;
- possesses an ability to build positive relationships with children, parents, and colleagues;
- believes in the intrinsic value and uniqueness of each child;
- is confident with inclusive learning and teaching practices;
- is sensitive to cultural realities and differences;
- can articulate a clear philosophy of learning and teaching.

### **Program Competencies**

#### **The Teaching Quality Standard**

Quality teaching occurs when the teacher's ongoing analysis of the context, and the teacher's decisions about which pedagogical knowledge and abilities to apply, result in optimum learning for all students.

#### **1. Fostering Effective Relationships**

A teacher builds positive and productive relationships with students, parents/guardians, peers and others in the school and local community to support student learning.

#### **2. Engaging in Career-Long Learning**

A teacher engages in career-long professional learning and ongoing critical reflection to improve teaching and learning.

#### **3. Demonstrating a Professional Body of Knowledge**

A teacher applies a current and comprehensive repertoire of effective planning, instruction, and assessment practices to meet the learning needs of every student.

#### **4. Establishing Inclusive Learning Environments**

A teacher establishes, promotes and sustains inclusive learning environments where diversity is embraced and every student is welcomed, cared for, respected and safe.

#### **5. Applying Foundational Knowledge about First Nations, Métis and Inuit**

A teacher develops and applies foundational knowledge about First Nations, Métis and Inuit for the benefit of all students.

#### **6. Adhering to Legal Frameworks and Policies**

A teacher demonstrates an understanding of and adherence to the legal frameworks and policies that provide the foundations for the Alberta education system.

#### **Program Conformity to Competencies**

Courses in the BEd program are designed and sequenced to articulate the competencies of the Teaching Quality Standard.

#### **Teaching Quality Standards (TQS)**

The integrated design of the BEd program components and courses gives students an opportunity to develop the knowledge, skills and attributes (KSAs) of the Teaching Quality Standards of Alberta.

#### **Teacher Qualifications for Salary Purposes**

How students are evaluated for salary purposes is determined by the Teacher Qualification Service of the Alberta Teachers' Association, not by Alberta Education or Ambrose University. In some cases, courses may not be considered for salary purposes. To determine how qualifications may be considered, please refer to the Principles for the Evaluation of Years of Teacher Education for Salary Purposes available on the Alberta Teachers' Association website, or by writing to the address supplied below. Forms used to apply for evaluation of qualifications for salary purposes may be obtained on the Alberta Teachers' Association website or by writing to:

#### **Teacher Qualifications Service**

The Alberta Teachers' Association  
Barnett House, 11010 - 142 St.  
Edmonton, AB  
Canada T5N 2R1

#### **Career Paths**

Teachers with Interim Professional Certification awarded upon completion of the BEd (After-degree) in Elementary Education from Ambrose are certified to teach Kindergarten through to, and including, Grade 12. Students who graduate from Ambrose and are awarded Interim Professional Certification to teach will be eligible to teach in other provinces in similar ways as any graduate from any other accredited education degree program in Alberta. Graduates will be eligible for Teaching Qualification Services assessment in similar ways as any graduate from any other accredited education degree program in Alberta.

#### **Graduates from the Ambrose BEd (After-degree) program will also:**

- be eligible to teach in international schools;
- be prepared to work in not for profit, non-governmental agencies and internationally based humanitarian organizations.

#### **Bachelor of Education (After-Degree) 2 year – 60 credits**

##### **Required Courses**

##### **Learning Theory and Application**

The BEd program includes three graduated and integrated courses in Learning Theory and Application. These are courses about how people learn, individually and in groups, and how teachers can design experiences and create conditions so that diverse learners, including learners with special learning needs and learners from various cultural backgrounds, including First Nations learners, can learn in an elementary school's nine main disciplines (Program of Studies, Elementary Education—language arts, social studies, mathematics, science, physical education, fine arts, second or additional languages, health and life skills and information and communication technology). Students will examine the relationship between learning and children's growth and development, human behaviour, and assessment in elementary schools.

##### **Curriculum Design and Program Development**

The BEd program includes three graduated and integrated courses in Curriculum Design and Program Development based on Alberta Education's Program of Studies, Elementary Education. The CDPD courses develop students' understanding of the requirements of curriculum design

and program development in elementary school classrooms, the role of the teacher in translating the requirements into lesson and unit plans for teaching so that all learners can learn, including learners with special learning needs and those from various cultural backgrounds, and an exploration of the various orientations and methods regarding curriculum decision-making in schools. Students will examine the role of technologies in education, as well as community, societal, political and school variables that influence curriculum design and program development in elementary schools.

### **Society and Culture: Methodology and Practices**

The BEd program includes three graduated and integrated courses in Society and Culture: Methodologies and Practices designed to provide students of education and teaching with opportunities to understand the professional, ethical, administrative, and social foundations and practices of education in Canada and other socio-cultural contexts, including First Nations and international contexts. The courses are intended to sensitize students to perspectives and issues regarding First Nations learners, as well as children and families representing various cultures. The courses are designed for BEd students to gain an understanding of various familial and societal perspectives and issues regarding inclusion of all learners, including students with special learning needs, in elementary schools. Students will examine current and past societal and cultural perspectives and practices that have influenced educational practices and children's learning.

### **Field Experience**

The BEd program includes three (3) graduated Field Experience (FE) courses integrated throughout the two-year program designed to augment and support the course work in the core education courses in the program. The FE courses are designed to give students a developmental and systematic experience in understanding the life of the school (FE 500), the life of teachers and teaching (FE 600), and an introduction to curriculum design and program planning (FE 700). The FE courses are integrated with the core education courses to give students a progressive and applied (theory to practice) understanding of the role of the teacher in a school, in teaching with other teachers and with responsibilities to the Program of Studies and professional practice of translating the Program of Studies requirements into programs and instruction in the elementary school.

## **Bachelor of Education (After-Degree) Program Requirements (60 credits)**

<b>Curriculum Design and Program Development</b>	<b>18 credits</b>
CDPD 500 Introduction to the Principles and Practices of Curriculum. Design and Program Development (6)	
CDPD 600 Understanding and Application of Principles and Practices of Curriculum Design and Program Development (6)	
CDPD 700 Synthesis of Principles and Practices in Curriculum Design and Program Development (6)	
<b>Field Experience</b>	<b>12 credits</b>
FE 500 Introduction to Field Experience (3)	
FE 600 An Understanding and Application of Field Experience (3)	
FE 700 A Synthesis of Field Experience (6)	
<b>Learning Theory and Application Requirements</b>	<b>18 credits</b>
LTA 500 Introduction to Principles and Applications of Learning Theory (6)	
LTA 600 An Understanding and Application of Learning Theory (6)	
LTA 700 A Synthesis of Learning Theory (6)	
<b>Society and Culture: Methodology and Practices</b>	<b>12 credits</b>
SCMP 500 Introduction to Curriculum Contexts: Learning and Learners (6)	
SCMP 600 An Application of Curriculum Contexts: Teachers and Teaching (3)	
SCMP 700 Synthesis of Schools and Classrooms: Society and Culture (3)	

### **General Requirements for Completion and Graduation:**

- Completion of a total of 60 credits (as outlined above)
- A Cumulative Grade Point Average (CGPA) of at least 2.0

## English Program • Chair: Dr. Rita Dirks

As a discipline, English Literature studies literature and the practice of writing to help students discover their own ideas and articulate them as completely and cogently as possible. The English Literature program provides students with a strong foundation in literature, literary theory, and writing. To ensure that students gain a comprehensive understanding of English Literature, the program begins with the British tradition and extends to the broader realms of Canadian, American, and other literatures in English. This approach covers foundational periods, movements, and authors as well as contemporary expressions of literature. The program aims for coverage of English literary history not merely for completeness but also to teach students to think, read and listen critically, and to use language with clarity, judgment, and imagination.

### Profile of the Graduating Student

The graduating student will

- write effectively with a thorough understanding of the essentials of composition;
- read competently and critically, with interpretative versatility;
- comprehend the breadth and depth of literary history and its many genres;
- apply literary theory in practical and meaningful ways to texts, writers, and culture;
- use traditional and technological tools to research specifically in literature and generally in the humanities;
- undertake a lifetime of independent learning.

### Career and Education Paths

The graduating student will

- be prepared to enter a wide range of vocations that require writing competence, analytical thought, and a broad base of literary knowledge;
- be prepared to enter primary education and other after-degree programs;
- be prepared to enter graduate programs after the four-year degree.

### Bachelor of Arts: English Literature Concentration (3 year) Program Requirements (90 credits)

<b>Christian Studies</b>	<b>9 credits</b>
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
<b>English</b>	<b>3 credits</b>
EN 115 Introduction to Literature and Language	
<b>Fine Arts</b>	<b>3 credits</b>
(ART, DA, FA, MU, TH)	
<b>History</b>	<b>3 credits</b>
HI 141 World History to 1500 or HI 142 World History since 1500	
<b>Philosophy</b>	<b>3 credits</b>
PH 125 Introduction to Philosophy	
<b>Science</b>	<b>6 credits</b>
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>	
<b>Social Science</b>	<b>6 credits</b>
PS 121 Introduction to Psychology	
SO 121 Principles of Sociology	
<b>English Literature Requirements</b>	<b>9 credits</b>
EN 220a Representative Literary Works: Medieval to Romanticism	
EN 220b Representative Literary Works: Romanticism to the Present	
EN 390 Seminar in Modern Literary Theory	

**English Literature Electives** **18 credits****Electives**

To meet senior level requirements in the program, 15 credits of electives must be taken at the senior level.

**Arts and Science Electives** **12 credits****Open Electives** **18 credits****General Requirements for Completion and Graduation**

- Completion of a total of 90 credits (as outlined above)
- A minimum of 45 credits must be taken at the 200-level or higher
- A maximum of 42 credits taken in any one discipline
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in EN courses

**Bachelor of Arts: English Literature Major  
4 year – 120 credits**

The four-year Bachelor of Arts in English Literature deepens and broadens the scope of the three-year degree. Students who intend to enter graduate school or other forms of post-secondary education should pursue the four-year degree, and they should also consult the Program Chair early in their studies.

**Bachelor of Arts: English Literature Major  
Program Requirements (120 credits)****Christian Studies** **9 credits**

REL 105 Introduction to the Bible

REL 161 The Christian Faith

3 credits in Christian Studies (REL) at the senior level

**English** **3 credits**

EN 115 Introduction to Literature and Language

**Fine Arts** **3 credits**

(ART, DA, FA, MU, TH)

**History** **3 credits**

HI 141 World History to 1500 or HI 142 World History since 1500

**Philosophy** **3 credits**

PH 125 Introduction to Philosophy

**Science** **6 credits**

(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN\*, MA, MED, PHY, SC, STA, ZOO)

*\*Note: Not all KIN courses can be used as Science credits; check the course descriptions.*

**Social Science** **6 credits**

PS 121 Introduction to Psychology

SO 121 Principles of Sociology

**English Literature Requirements** **21 credits**

EN 220a Representative Literary Works: Medieval to Romanticism

EN 220b Representative Literary Works: Romanticism to the Present

EN 390 Seminar in Modern Literary Theory

EN 391 Seminar in Early Literary Theory

EN 485 Capstone Seminar

6 credits in English at the 400-level

**English Literature Electives** **24 credits****Major Movements: Literature to 1600***One of the following:*

EN 321 Medieval World Literature

EN 335 Ancient World Literature and Myth

EN 381 Sixteenth-Century Literature

**Major Movements: Literature 1600 to 1800***Two of the following:*

EN 320 Restoration and Eighteenth-Century Literature

EN 340 Milton

EN 350 Shakespeare I

EN 451 Shakespeare II

EN 470 Seventeenth-Century Literature

**Major Movements: Literature from 1800***Three of the following:*

- EN 245 C.S. Lewis, J.R.R. Tolkien, and the Inklings
- EN 290 The Twentieth-Century Novel
- EN 300 Canadian Literature from 1925
- EN 360 The Nineteenth-Century Novel
- EN 365 Modern World Literature
- EN 370 American Literature
- EN 380 Romanticism
- EN 400 Modernism
- EN 455 Russian Masters
- EN 480 Literature by Women

**Genres***One of the following:*

- EN 230 The Short Story
- EN 235 Tragedy and Comedy
- EN 240 Children's Literature
- EN 270 Popular Fiction
- EN 275 Spiritual Autobiographies

**Methods and Approaches***One of the following:*

- EN 295 Advanced Expository Prose
- EN 310 The Bible in Literature
- EN 330 Poetry: Reading and Analysis
- EN 371 Professional Editing
- EN 410 Postcolonial Literature
- EN 420 Ecocriticism

**Electives**

To meet senior level requirements in the program, 24 credits of electives must be taken at the senior level.

<b>Arts and Science Electives</b>	<b>24 credits</b>
<b>Open Electives</b>	<b>18 credits</b>

**General Requirements for Completion and Graduation**

- Completion of Core Requirements
- Completion of a total of 120 credits (as outlined above)
- A minimum of 72 credits must be taken at the 200-level or higher
- A maximum of 72 credits taken in any one discipline
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in EN courses

## General Studies Program • Chair: Dr. Ken Nickel

### Bachelor of Arts: General Studies

**3 year – 90 credits**

The General Studies program is the quintessential liberal arts university program. It gives students the widest array of choices from the arts and sciences curriculum and it encourages a synthetic approach to the university intellectual experience. All courses are taken in specific programs and disciplines but combine to provide students with an excellent foundational university degree. General Studies students are entitled to identify one specific discipline in which they may want to minor, but in keeping with the programmatic intent to promote choice, no particular minor is encouraged nor required. The program intends to develop critical thinking skills across the spectrum of Ambrose course offerings, hoping to promote a desire for intellectual integration in the context of Christian thought.

### Profile of the Graduating Student

The graduating student will:

- possess a breadth of understanding from engagement with a variety of academic disciplines;
- possess critical reading and thinking skills;
- possess skills in research, analysis, and the organization of ideas;
- possess the intellectual tools to live a life of integrated faith and reason.

### Career and Education Paths

The graduating student will:

- hold a degree suitable for entry into education after-degree programs. Similarly, the General Studies degree is suitable for entry into seminary, law school, and other professional programs for which a basic university degree is required or encouraged;
- hold a degree suitable for entry level positions in a wide variety of fields where basic university education is valued and encouraged.

### General Requirements for Completion and Graduation

- Completion of a total of 90 credits (as outlined above)
- A minimum of 45 credits must be taken at the 200-level or higher
- A maximum of 42 credits taken in any one discipline
- A Cumulative Grade Point Average (CGPA) of at least 2.0

### Bachelor of Arts: General Studies Concentration Program Requirements (90 credits)

Christian Studies	9 credits
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
English	9 credits
EN 115 Introduction to Literature and Language	
6 credits in English at the senior level	
Fine Arts	6 credits
(ART, DA, FA, MU, TH)	
History	9 credits
HI 141 World History to 1500 or HI 142 World History since 1500	
6 credits in History at the senior level	
Philosophy	9 credits
PH 125 Introduction to Philosophy	
6 credits in Philosophy at the senior level	
Science	9 credits
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>	
Social Science	9 credits
PS 121 Introduction to Psychology	
SO 121 Principles of Sociology	
3 credits in Psychology or Sociology at the senior level	
Electives	
To meet senior level requirements in the program, at least 24 credits of electives must be taken at the senior level	
Arts and Science Electives	12 credits
Open Electives	18 credits

## History Program • Chair: Dr. Kyle Jantzen

History is, simply put, the study of the past. More than lists of kings or dates of battles, history is the search for an understanding of how our world came to be as it is. Because “everything has a history,” historians study everything imaginable, from politics, economics, and the military to the world of everyday life, and all the social, cultural, intellectual, and religious developments in between. By investigating people, events, and ideas, historians learn not only what happened in the past, but more importantly who we are, how and why the past has grown into the present, and what that means for us today. In this way, the study of history teaches an important set of investigative, analytical, and communication skills that, along with a large knowledge base about past events, equip students to understand their contemporary world in all its triumph, tragedy, and diversity.

The history program provides students with a broad understanding of the human past. All students study Canadian, European, world, and pre-modern history, as well as historiography – the study of the theory and practice of history. Other courses touch on subjects as diverse as the Middle East, early Christianity, European revolutions, Canada at war, the Holocaust, and depictions of history in Hollywood films.

### Bachelor of Arts: History Concentration 3 year – 90 credits

The history concentration provides students with a broad understanding of the human past.

The graduating student will:

- understand the study of history as a lens for seeing the world, by examining the continuities and changes in diverse cultures and societies;
- confront complex problems through the research process, employing critical reading, formulating probing questions, and gathering compelling evidence;
- explain and interpret the past based on careful research and communicate the results both orally and in writing;
- conscientiously analyze the context, content, and significance of primary historical sources, learning to see the world through the eyes of others;

- critically and appreciatively engage with a wide range of interpretive traditions, in order to learn from different historical points of view;
- understand how popular culture, current events, and personal and group identities are shaped by history;
- understand how one’s approach to history continually forms and is formed by their own intellectual, moral, and spiritual framework.

### Bachelor of Arts: History Concentration Program Requirements (90 credits)

Christian Studies	9 credits
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
English	3 credits
EN 115 Introduction to Literature and Language	
Fine Arts	3 credits
(ART, DA, FA, MU, TH)	
Philosophy	3 credits
PH 125 Introduction to Philosophy	
Science	6 credits
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>	
Social Science	6 credits
PS 121 Introduction to Psychology	
SO 121 Principles of Sociology	

<b>History Requirements</b>	<b>36 credits</b>
HI 141 World History to 1500	
HI 142 World History since 1500	
HI 280 History in Practice	
HI 370 Public History	
HI 380 Applied Research in History	
HI 478 Historiography	
12 credits in History at the 200-level or higher	
6 credits in History at the 300-level or higher	

### **Electives**

To meet senior level requirements in the program, at least 12 credits of electives must be taken at the senior level.

<b>Arts and Science Electives</b>	<b>3 credits</b>
<b>Open Electives</b>	<b>21 credits</b>

### **General Requirements for Completion and Graduation**

- Completion of a total of 90 credits (as outlined above)
- A minimum of 45 credits must be taken at the 200-level or higher
- A maximum of 42 credits taken in any one discipline
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in HI courses

### **Bachelor of Arts: History Major**

#### **4 year – 120 credits**

The history major provides students with a broad understanding of the human past, and the opportunity to specialize in one of several specific fields of history. All history majors must also complete either a senior research project or a history practicum.

### **Profile of the Graduating Student**

The graduating student will:

- understand the study of history as a lens for seeing the world, by examining the continuities and changes in diverse cultures and societies;
- confront complex problems through the research process, employing critical reading, formulating probing questions, and gathering compelling evidence;

- explain and interpret the past based on careful research and communicate the results both orally and in writing;
- conscientiously analyze the context, content, and significance of primary historical sources, learning to see the world through the eyes of others;
- critically and appreciatively engage with a wide range of interpretive traditions, in order to learn from different historical points of view;
- understand how popular culture, current events, and personal and group identities are shaped by history;
- understand how one's approach to history continually forms and is formed by their own intellectual, moral, and spiritual framework.

### **Career and Educational Paths**

The graduating student will:

- be prepared for entry-level positions in government departments, museums, historical sites, archives, or other careers that revolve around the knowledge and communication of the past;
- be prepared to enter a wide range of vocations which require skills in research, analysis, problem solving, writing and oral communication;
- be prepared to enter after-degree programs in education, law, journalism, or library science and information management;
- be prepared to enter graduate programs after the four year degree. Students who intend to enter graduate school or other forms of post-secondary education should pursue the four-year degree, and they should also consult the Program Chair early in their studies.

## Bachelor of Arts: History Major Program Requirements (120 credits)

<b>Christian Studies</b>	<b>9 credits</b>
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
<b>English</b>	<b>3 credits</b>
EN 115 Introduction to Literature and Language	
<b>Fine Arts</b>	<b>3 credits</b>
(ART, DA, FA, MU, TH)	
<b>Philosophy</b>	<b>3 credits</b>
PH 125 Introduction to Philosophy	
<b>Science</b>	<b>6 credits</b>
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<p><i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i></p>	
<b>Social Science</b>	<b>6 credits</b>
PS 121 Introduction to Psychology	
SO 121 Principles of Sociology	
<b>History Requirements</b>	<b>45 credits</b>
HI 141 World History to 1500	
HI 142 World History since 1500	
HI 280 History in Practice	
HI 370 Public History	
HI 380 Applied Research in History	
HI 478 Historiography	
12 credits in History at the 200-level or higher	
9 credits in History at the 300-level or higher	
6 credits in History at the 400-level or higher	

## Electives

To meet senior level requirements in the program, 30 credits of electives must be taken at the senior level.

<b>Arts and Science Electives</b>	<b>24 credits</b>
<b>Open Electives</b>	<b>21 credits</b>

## General Requirements for Completion and Graduation

- Completion of a total of 120 credits (as outlined above)
- A minimum of 72 credits must be taken at the 200-level or higher
- A maximum of 72 credits taken in any one discipline
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in HI courses

## Music Program • Chair: Ian Charter

These degrees offer a broad-based, liberal arts education while providing an emphasis in music.

### Profile of the Graduating Student

The graduating student will:

- possess an understanding of the historical development of Western art;
- possess an understanding of the melodic, harmonic, and rhythmic resources of Western music;
- have the ability to hear, identify, and work conceptually with the elements of music;
- have a beginning understanding and familiarity with a range of significant musical literature, genres, and eras;
- have some initial preparation for leadership roles requiring musical decisions and understanding;
- be familiar with specific material and skills including the ability to perform on one's instrument;
- have an awareness of how to become a musically interactive member of society on professional, ministry and personal levels.

### Career and Education Paths

The Music degrees allow students to deepen their studies in music. Elective choices give students a high degree of flexibility to pursue their unique study interests.

The graduating student will:

- be prepared to obtain entry-level positions related to a liberal arts/music education. These include the retail music industry, church music, group music instruction, private music teaching, and performance groups;
- have a foundation for further educational pursuits including further musical studies (Bachelor of Music, Master of Music), after-degree programs (Bachelor of Education), and church-related programs such as Master of Church Music.

### Graduation Requirements

Non-keyboard students must demonstrate a minimum proficiency on the keyboard by performing two Grade Four RCM pieces or two pieces from a prescribed list. This must be completed before the end of the second year of study in the music program.

### Bachelor of Arts: Music Concentration (3 year) Program Requirements (90 credits)

Christian Studies	9 credits
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
English	3 credits
EN 115 Introduction to Literature and Language	
History	3 credits
HI 141 World History to 1500 or HI 142 World History since 1500	
Philosophy	3 credits
PH 125 Introduction to Philosophy	
Science	6 credits
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>	
Social Science	6 credits
PS 121 Introduction to Psychology	
SO 121 Principles of Sociology	
Music Requirements	21 credits
<i>One of the following:</i>	
MU 212 Basic Conducting	
MU 215 Piano Pedagogy	
MU 125a/b Aural Skills I	
MU 126 Musical Structures I	
MU 226 Musical Structures II	
MU 203 History of Music I	
MU 207 History of Music II	
MU 485 Faith, Music and Society	

<b>Music Ensemble</b>	<b>6 credits</b>
3 credits in Music Ensemble at the junior level	
3 credits in Music Ensemble at the senior level	
<b>Applied Music</b>	<b>12 credits</b>
3 credits in Applied Music at the junior level	
9 credits in Applied Music at the senior level	

<b>Electives</b>	
To meet senior level requirements in the program, 18 credits of electives must be taken at the senior level.	
<b>Arts and Science Electives</b>	<b>9 credits</b>
<b>Open Electives</b>	<b>12 credits</b>

#### **General Requirements for Completion and Graduation**

- Completion of a total of 90 credits (as outlined above)
- A minimum of 45 credits must be taken at the 200-level or higher
- A maximum of 42 credits taken in any one discipline
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in MU
- Must participate a large choral ensemble (usually the University Singers) in the first two semesters of the program

#### **Bachelor of Arts: Music Major (4 year) Program Requirements (120 credits)**

<b>Christian Studies</b>	<b>9 credits</b>
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
<b>English</b>	<b>3 credits</b>
EN 115 Introduction to Literature and Language	
<b>History</b>	<b>3 credits</b>
HI 141 World History to 1500 or HI 142 World History since 1500	

<b>Philosophy</b>	<b>3 credits</b>
PH 125 Introduction to Philosophy	
<b>Science</b>	<b>6 credits</b>

(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
*Note: Not all KIN courses can be used as Science credits; check the course descriptions.	

<b>Social Science</b>	<b>6 credits</b>
PS 121 Introduction to Psychology	
SO 121 Principles of Sociology	

<b>Music Requirements</b>	<b>33 credits</b>
MU 125a/b Aural Skills I	
MU 126 Musical Structures I	
MU 203 History of Music I	
MU 207 History of Music II	
MU 212 Basic Conducting	
MU 226 Musical Structures II	
MU 326 Composition I: Writing for Small Ensembles	
9 credits in Music at the senior level	
MU 485 Faith, Music and Society	

<b>Music Ensemble</b>	<b>9 credits</b>
3 credits in Music Ensemble at the junior level	
6 credits in Music Ensemble at the senior level	

<b>Applied Music</b>	<b>12 credits</b>
3 credits in Applied Music at the junior level	
9 credits in Applied Music at the senior level	

<b>Electives</b>	
To meet senior level requirements in the program, 30 credits of electives must be taken at the senior level.	
<b>Arts and Science Electives</b>	<b>18 credits</b>
<b>Open Electives</b>	<b>18 credits</b>

### General Requirements for Completion and Graduation

- Completion of a total of 120 credits (as outlined above)
- A minimum of 72 credits must be taken at the 200-level or higher
- A maximum of 72 credits taken in any one discipline
- A Cumulative Grade Point Average (CGPA) of at least 2.0, with a CGPA of at least 2.0 in MU
- Must participate in a large choral ensemble (usually the University Singers) in the first two semesters of the program

### Bachelor of Music 4 year – 120 credits

The Bachelor of Music (BMus) is a professional music degree which is intended to offer students an opportunity to prepare for careers in music. As well, students will have a component of liberal arts courses, offering them an element of breadth across a variety of disciplines.

#### Profile of the graduating student

The graduating student will:

- possess a good understanding of the historical development of Western art;
- possess a good understanding of the melodic, harmonic, and rhythmic resources of Western music;
- have the ability to hear, identify, and work conceptually with the elements of music including composing and arranging;
- have a good understanding and familiarity with a range of significant musical literature, genres, and eras;
- have experienced leadership development opportunities;
- have developed a strong proficiency on their instrument (lessons are required all four years of study);
- have a beginning understanding of the educational and artistic foundation in music;
- have an awareness of how to become a musically interactive member of society on professional, ministerial, and personal levels.

### Career and Education Paths

Students who graduate with the BMus degree are prepared for possible careers in teaching music (with the completion of a BEd degree), music-related careers, church music, and performing. A BMus graduate is well positioned for application to graduate programs in music.

### Bachelor of Music Program Requirements (120 credits)

<b>Christian Studies</b>	<b>9 credits</b>
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
<b>English</b>	<b>3 credits</b>
EN 115 Introduction to Literature and Language	
<b>History</b>	<b>3 credits</b>
HI 141 World History to 1500 or HI 142 World History since 1500	
<b>Philosophy</b>	<b>3 credits</b>
PH 125 Introduction to Philosophy	
<b>Science</b>	<b>6 credits</b>
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOG, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>	
<b>Social Science</b>	<b>6 credits</b>
PS 121 Introduction to Psychology	
SO 121 Principles of Sociology	
<b>Music Requirements</b>	<b>51 credits</b>
MU 125a/b Aural Skills I	
MU 225a/b Aural Skills II	
MU 126 Musical Structures I	

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MU 226 Musical Structures II

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MU 203 History of Music I

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MU 207 History of Music II

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MU 211 History of Music III

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MU 212 Basic Conducting

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6 credits Music History at the senior level

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May include:

MU 272 Jazz History

MU 307 World Music

MU 308 Popular Music from 1945 to the Present

MU 352 History of Music and Worship

MU 355 History of Keyboard Music

MU 404 History of Music Seminar

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MU 326 Composition I: Writing for Small Ensembles

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MU 427 Composition II: Arranging and Composition

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MU 426 Advanced Theory and Form

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MU 485 Faith, Music and Society

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9 credits in Music at the senior level

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**Music Ensemble**

**12 credits**

3 credits in Music Ensemble at the junior level

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9 credits in Music Ensemble at the senior level

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**Applied Music**

**24 credits**

3 credits in Applied Music at the junior level credits

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21 Applied Music at the senior level

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**Electives**

**Open Electives**

**3 credits**

**General Requirements for Completion and Graduation**

- Completion of a total of 120 credits (as outlined above)
- Piano proficiency requirement - see Music Department for details
- Must participate in a large choral ensemble (usually the University Singers) in the first two semesters of the program



## University Studies Diploma • Advisor: Dr. Ken Nickel

Some students elect to do one or two years of study at Ambrose University as a preface to further studies in another university setting. This allows students to complete one or two years of university studies in a setting with small class sizes, a strong sense of community and accessible professors.

### University Studies Diploma Program Requirements (60 credits)

Christian Studies	9 credits
REL 105 Introduction to the Bible	
REL 161 The Christian Faith	
3 credits in Christian Studies (REL) at the senior level	
English	3 credits
EN 115 Introduction to Literature and Language	
Fine Arts	3 credits
(ART, DA, FA, MU or TH)	
History	3 credits
HI 141 World History to 1500 or HI 142 World History since 1500	
Philosophy	6 credits
PH 125 Introduction to Philosophy	
3 credits in Philosophy at the senior level	
Science	6 credits
(BCH, BIO, BOT, CHE, CS, ECOL, GEO, GEOL, KIN*, MA, MED, PHY, SC, STA, ZOO)	
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>	
Social Science	6 credits
PS 121 Introduction to Psychology	
SO 121 Principles of Sociology	
Open Electives	24 credits

### General Requirements for Completion and Graduation

- Completion of a total of 60 credits
- A Cumulative Grade Point Average (CGPA) of at least 2.0

## Ministry Programs

Graduates of the School of Ministry at Ambrose are engaged in God's redemptive work in the world. They are:

- Devoted disciples who have a growing passion for relationship with God. They experience life in Christ and pursue communion with the Triune God;
- Faithful interpreters who have a love of the Scriptures and seek to interpret them thoughtfully and reverently. They also love God's world and seek to apply their interpretation of the Scriptures in ways that are contextually appropriate;
- Christian thinkers who are insightful and careful theologians. They express their understanding of God in ways that engage the depth and breadth of the Christian tradition; and
- Servant Leaders who are courageous, compassionate, and humble followers of Jesus. They serve in roles such as pastor, development worker, entrepreneur, and church planter, both locally and internationally.

### Ministry Programs

Ministry Programs at Ambrose University derive from our mission, educational philosophy, and objectives. The following summary lists the available Ambrose University ministry programs, and the total credit hours required for completion of each program. Please see the specific academic program details for further information.

#### **Associate in Ministry Diploma**

2 year – 60 credits

#### **Bachelor of Theology**

4 year – 120 credits

Children and Family Ministry  
Church Ministry  
Intercultural Ministry  
Youth Ministry

#### **Arts and Science Electives**

The term Arts and Science elective where it appears in a School of Ministry program means an Arts or Science course exclusive of Christian Studies (REL), chosen by the student, provided any necessary prerequisites have been met. Courses at the 400-level cannot apply as Arts and Science electives in Ministry programs.

### **Arts and Science Courses**

Behavioural Science (BHS)  
Biochemistry (BCH)  
Biology (BIO)  
Botany (BOT)  
Chemistry (CHE)  
Communications (COM)  
Computer Science (CS)  
Development Studies (DVST)  
Economics (ECO)  
Ecology (ECOL)  
English (EN)  
Fine Arts (ART, DA, FA, MU, TH)  
Geography (GEOG)  
Geology (GEO)  
History (HI)  
Intercultural Studies (ICS)  
Interdisciplinary (IND)  
Kinesiology (KIN)\*  
Language - Ancient (GR, HEB, LING)  
Mathematics (MA)  
Medical Science (MED)  
Music (MU)  
Philosophy (PH)  
Physics (PHY)  
Political Science (POLI)  
Psychology (PS)  
Science (SC)  
Sociology (SO)  
Statistics (STA)  
Theatre (TH)  
Zoology (ZOO)

*\*Note: Not all KIN courses can be used as Science credits; check the course descriptions.*

## Open Electives

The term Open Elective means any course chosen by the student, provided any necessary prerequisites have been met. All ACC (Accounting), BUS (Business), PST (Professional Studies) and Religious Studies/Christian Studies (REL) courses will apply to Ambrose University School of Ministry degrees as Open Electives. Field Education (FE) courses cannot be applied to Arts and Science degrees.

## Senior Theology Courses

These courses can fulfill a Senior Theology Elective for ministry program requirements:

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REL 303 God and Evil

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REL 305 Christianity and Culture

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REL 363 Contemporary Theology

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REL 367 Theologies from the Margins

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REL 369 Trajectories in Sixteenth-Century Reformation Thought

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REL 372 Christian Ethics

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REL 373 Wesleyan Theology

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## General Academic Requirements

- A four-year bachelor's degree requires 120 credits.
- All degree requirements must be fulfilled.
- Up to 60 credits may be transferred from another institution for a four-year degree.
- The final 30 credits must normally be taken from Ambrose University.
- A cumulative grade point average (CGPA) of at least 2.0 is required to graduate, with a GPA of 2.0 in disciplinary requirements.

## Ministry Internship

Preparation for ministry involves more than classroom learning. Ambrose recognizes the need for experiential learning in ministry training and requires all students to complete a ministry internship.

## Associate in Ministry Diploma Advisor: Dr. Colin Toffelmire

The Associate in Ministry (AIM) Diploma is designed to provide foundational knowledge of the Bible and Christian thought for service in the church of Jesus Christ. The diploma program develops ministry gifts for volunteer and para-professional roles in churches and Christian service organizations.

### Profile of the Graduating Student

In pursuit of the ministry program objectives and the professional ministry outcomes, the graduates of this program are:

- committed to ongoing personal and spiritual growth;
- becoming Biblically literate and theologically reflective;
- able to serve in a variety of ministry and service roles.

## Associate in Ministry Diploma Program Requirements (60 credits)

Christian Studies	15 credits
REL 105 Introduction to the Bible	
REL 111 Introduction to Christian Spirituality	
REL 260 Theology I: God and Word	
REL 261 Theology II: Spirit and Church	
3 credits in New Testament or Old Testament book study at the senior level	
Professional Studies	21 credits
PST 101 Pastoral Communications	
PST 161 Introduction to Mission	
PST 302 Practical Theology	
12 credits in Professional Studies at the senior level	
Field Education	3 credits
FE 200 Practicum and Reflection I (1.5 cr)	
FE 201 Practicum and Reflection II (1.5 cr)	

<b>Other</b>	<b>3 credits</b>
3 credits in Christian Studies or Professional Studies	
<b>Arts and Science Electives</b>	<b>15 credits</b>
<b>Open Electives</b>	<b>3 credits</b>

**General Requirements for Completion and Graduation**

- Completion of a total of 60 credits (as outlined above)
- A Cumulative Grade Point Average (CGPA) of at least 2.0

**Children and Family Ministry Program****Advisor: Alice Kung****Bachelor of Theology: Children and Family Ministry (4 year – 120 credits)**

In keeping with the University mission and in support of its educational philosophy, this program is designed to provide an understanding of the development of children in their families, and to equip learners with teaching, caring and administrative skills to effectively minister to children and their families. Students will need to produce the results of a Criminal Record Check before being permitted to participate in practicum or internship experiences associated with the program.

**Profile of the Graduating Student**

In pursuit of the ministry program objectives and the professional ministry outcomes, the graduates of this degree are:

- committed to and have mastered key components of making healthy disciples;
- aware of current thinking regarding child development and the socializing influences on families in North America;
- confident and competent in such ministry tasks as curriculum choice and design, volunteer recruitment and administration, and working in a multi-staff environment;
- prepared to evaluate their ministry, being committed to ongoing improvement to more effectively minister in today's cultural contexts.

**Bachelor of Theology  
Children and Family Ministry  
Program Requirements (120 credits)**

<b>Personal and Pastoral Foundations</b>	<b>21 credits</b>
ICS 205 Intercultural Competence	
PST 101 Pastoral Communications	
PST 161 Introduction to Mission	
PST 204 Teaching and Learning for Discipleship	
PST 220 Leadership and Leadership Development	
PST 302 Practical Theology	
REL 111 Introduction to Christian Spirituality	

<b>Children and Family Ministry Courses</b>	<b>15 credits</b>
PST 319 Volunteer Ministry	
PST 321 Teaching Children for Faith Formation	
PST 322 Leadership Essentials for Children and Family Ministry	
PST 323 Family Ministry Essentials	
<i>One of the following</i>	
BUS 305 Management of Non-Profit Organizations	
PST 201 Pastoral Counselling	
PST 350 a/b Conference Planning and Management	
PS 220 Child Development	
PS 305 Psychology of Family	
SO 200 Sociology of Families	
REL 130 Introduction to World Religions	

<b>Biblical Foundations</b>	<b>18 credits</b>
REL 105 Introduction to the Bible	
REL 315 Hermeneutics	
3 credits in New Testament	
3 credits in Old Testament	
6 credits in Old Testament or New Testament	

<b>Theology and History</b>	<b>18 credits</b>
HI 263 History of Christianity	
3 senior credits in History	
REL 260 Theology I: God and Word	
REL 261 Theology II: Spirit and Church	
6 credits in Theology (can include REL 362 or REL 358 or REL 130)	
<b>Field Education</b>	<b>12 credits</b>
FE 200/201 Practicum and Reflection I and II (3 credits)	
FE 320a/b Children and Family Ministry Internship (6 credits)	
FE 400 Transition to Vocational Ministry (3 credits)	
<b>Arts and Science Minor #1</b>	<b>18 credits</b>
<i>One of the following:</i>	
Behavioural Science	
Psychology	
Sociology	
<b>Arts and Science Minor #2</b>	<b>18 credits</b>
<i>One of the following:</i>	
Biblical Languages	
Community Development	
Dance	
English	
History	
Intercultural Studies	
Liberal Arts	
Music	
Philosophy	
Theatre	

**General Requirements for Completion and Graduation**

- Completion of a total of 120 credits (as outlined above)
- A Cumulative Grade Point Average (CGPA) of at least 2.0

## **Church Ministry Program**

**Advisor: Dr. Bill McAlpine**

### **Bachelor of Theology: Church Ministry**

**4 year – 120 credits**

The Bachelor of Theology (BTh) is designed to form character and develop skills in women and men called by God, enabling them to serve as reflective practitioners in the church of Jesus Christ. Students will need to produce the results of a Criminal Record Check before being permitted to participate in practicum or internship experiences associated with the program.

#### **Profile of the Graduating Student**

In pursuit of the ministry program objectives and the professional ministry outcomes, the graduates of this degree are:

- able to understand and appreciate societal trends that impinge on church ministry;
- willing to lead congregations to creative, biblically informed transformational endeavours;
- inquisitive learners and flexible thinkers able to critically and sympathetically engage new models with the historic resources of the Christian tradition. This program of study is validated by the Church of the Nazarene's International Course of Study Advisory Committee and satisfies educational requirements for ordination in the Church of the Nazarene.

### **Bachelor of Theology – Church Ministry**

**Program Requirements (120 credits)**

<b>Personal and Pastoral Foundations</b>	<b>21 credits</b>
ICS 205 Intercultural Competence	
PST 101 Pastoral Communications	
PST 161 Introduction to Mission	
PST 204 Teaching and Learning for Discipleship	
PST 220 Leadership and Leadership Development	
PST 302 Practical Theology	
REL 111 Introduction to Christian Spirituality	

<b>Church Ministry Courses</b>	<b>15 credits</b>
PST 301 Homiletics	
PST 307 Evangelism and Discipleship in the Church	
REL 370 Theology and Practice of Worship	
<i>Two of the following:</i>	
BUS 305 Management of Non-Profit Organizations	
HI 313 Topics in Christian History: Christianity in Canada	
PST 201 Pastoral Counselling	
PST 304 Advanced Homiletics	
PST 319 Volunteer Ministry	
PST 350 a/b Conference Planning & Management	
PST 382 Worship Leadership Strategies	
SO 340 Religion and Culture in Canada	
TH 217 The Professional Voice	
REL 130 Introduction to World Religions	

  

<b>Biblical Foundations</b>	<b>18 credits</b>
REL 105 Introduction to the Bible	
REL 315 Hermeneutics	
3 credits in New Testament elective	
3 credits in Old Testament elective	
6 credits in Old Testament or New Testament elective	

  

<b>Theology and History</b>	<b>18 credits</b>
HI 263 History of Christianity	
3 credits History	
REL 260 Theology I: God and Word	
REL 261 Theology II: Spirit and Church	
6 credits in Theology (could include REL 362 or REL 358 or REL 130)	

  

<b>Field Education</b>	<b>12 credits</b>
FE 200/201 Practicum and Reflection I and II (3 credits)	
FE 300a/b Church Ministries Internship (6 credits)	
FE 400 Transition to Vocational Ministry (3 credits)	

<b>Arts and Science Minor #1</b>	<b>18 credits</b>
<i>One of the following:</i>	
Behavioural Science	
Biblical Languages	
Community Development	
Dance	
English	
History	
Intercultural Studies	
Liberal Arts	
Music	
Philosophy	
Psychology	
Sociology	
Theatre	

  

<b>Arts and Science Minor #2</b>	<b>18 credits</b>
<i>One of the following:</i>	
Behavioural Science	
Biblical Languages	
Community Development	
Dance	
English	
History	
Intercultural Studies	
Liberal Arts	
Music	
Philosophy	
Psychology	
Sociology	
Theatre	

#### **General Requirements for Completion and Graduation**

- Completion of a total of 120 credits (as outlined above)
- A Cumulative Grade Point Average (CGPA) of at least 2.0

## Intercultural Ministry Program

**Advisor: Jennifer Singh**

### Bachelor of Theology: Intercultural Ministry 4 year – 120 credits

In keeping with the university mission and in support of its educational philosophy, this program is designed to prepare learners to effectively live and witness the grace of God in Jesus in the intercultural context of the contemporary world. Students will need to produce the results of a Criminal Record Check before being permitted to participate in practicum or internship experiences associated with the program.

#### Profile of the Graduating Student

In pursuit of the ministry program objectives and the professional ministry outcomes, the graduates of this program are:

- committed to making healthy disciples across a variety of cultural and social barriers;
- sensitive to the importance and value of cultural differences and committed to providing an authentic incarnational witness to the gospel to every cultural group;
- able to help the local church understand and actively engage in its missional calling.

### Bachelor of Theology: Intercultural Ministry Program Requirements (120 credits)

Personal and Pastoral Foundations	21 credits
ICS 205 Intercultural Competence	
PST 101 Pastoral Communications	
PST 161 Introduction to Mission	
PST 204 Teaching and Learning for Discipleship	
PST 220 Leadership and Leadership Development	
PST 302 Practical Theology	
REL 111 Introduction to Christian Spirituality	
Intercultural Ministries Courses	15 credits
ICS 302 Ethnographic Research	
ICS 499 Intercultural Ministry Capstone	
PST 206 Christian Spirituality for Mission	
REL 130 Introduction to World Religions	
<i>One of the following:</i>	
BUS 305 Management of Non-Profit Organizations	
ICS 304 Intercultural Studies Travel Study	
PST 261 Missional Encounters	
PST 307 Evangelism and Discipleship in the Church	
PST 319 Volunteer Ministry	
Biblical Foundations	18 credits
REL 105 Introduction to the Bible	
REL 315 Hermeneutics	
3 credits in New Testament	
3 credits in Old Testament	
6 credits in Old Testament or New Testament	
Theology and History	18 credits
HIS 263 History of Christianity	
3 credits History	
REL 260 Theology I: God and Word	
REL 261 Theology II: Spirit and Church	
6 credits in Theology (can include REL 362 or REL 358)	

<b>Field Education</b>	<b>6 credits</b>
FE 200/201 Practicum and Reflection I and II (3 credits)	
FE 400 Transition to Vocational Ministry (3 credits)	
<b>Intercultural Studies (ICS) Minor #1</b>	<b>15 credits</b>
FE 360a/b onSite/Intercultural Studies Internship (6 credits)	
ICS 100 onSite Language 1	
ICS 202 Cultural Anthropology	
ICS 301 onSite History and Culture	
3 credits Open Elective	
<b>Arts and Science Minor #2</b>	<b>18 credits</b>
<i>One of the following:</i>	
Biblical Languages	
Behavioural Science	
Community Development	
Dance	
English	
History	
Liberal Arts	
Psychology	
Sociology	
<b>Open Electives</b>	<b>9 credits</b>

#### **General Requirements for Completion and Graduation**

- Completion of a total of 120 credits (as outlined above)
- A Cumulative Grade Point Average (CGPA) of at least 2.0

#### **Youth Ministry Program**

**Advisor: Dr. Tim Moore**

#### **Bachelor of Theology: Youth Ministry**

**4 year – 120 credits**

In keeping with the University mission and in support of its educational philosophy, this academic program prepares students to relate their understanding of God's Word to a rapidly changing youth culture. They will be equipped with tools to gain teaching, counselling, administrative and programming skills that will prepare them to serve the church and community in the area of youth ministry. Students will need to produce the results of a Criminal Record Check before being permitted to participate in practicum or internship experiences associated with the program.

#### **Profile of the Graduating Student**

In pursuit of the ministry program objectives and the professional ministry outcomes, the graduates of this program are:

- committed to and have mastered key components of making healthy disciples;
- aware of individual and group differences, enabling them to minister to culturally diverse persons at all age levels;
- able to plan (both long term and short term) a ministry that will meet the needs of young people from junior high to young adults;
- able to exercise wisdom when considering program structure, program components and customizing the local church's youth ministry;
- prepared to evaluate their ministry, being committed to ongoing improvement to minister more effectively in today's cultural contexts.

This program of study is validated by the Church of the Nazarene's International Course of Study Advisory Committee and satisfies educational requirements for ordination in the Church of the Nazarene.

**Bachelor of Theology: Youth Ministry  
Program Requirements (120 credits)**

Personal and Pastoral Foundations	21 credits
ICS 205 Intercultural Competence	
PST 101 Pastoral Communications	
PST 161 Introduction to Mission	
PST 204 Teaching and Learning for Discipleship	
PST 220 Leadership and Leadership Development	
PST 302 Practical Theology	
REL 111 Introduction to Christian Spirituality	
Youth Ministry Courses	15 credits
PST 307 Evangelism and Discipleship in the Church	
PST 342 Contemporary Youth Issues	
PST 441 Strategies of Youth Ministry	
<i>Two of the following:</i>	
BUS 305 Management of Non-Profit Organizations	
PST 201 Pastoral Counselling	
PST 301 Homiletics	
PST 319 Volunteer Ministry	
PST 350 a/b Conference Planning and Management	
PST 382 Worship Leadership Strategies	
PST 405 Special Topics in Professional Studies	
REL 130 Introduction to World Religions	
SO 301 Sociology of Youth	
TH 217 The Professional Voice	
Biblical Foundations	18 credits
REL 105 Introduction to the Bible	
REL 315 Hermeneutics	
3 credits in New Testament	
3 credits in Old Testament	
6 credits in Old Testament or New Testament	

Theology and History	18 credits
HI 263 History of Christianity	
3 senior credits in History	
REL 260 Theology I: God and Word	
REL 261 Theology II: Spirit and Church	
6 credits in Theology (can include REL 362 or REL 358, or REL 130)	
Field Education	12 credits
FE 200/201 Practicum and Reflection I and II (3 credits)	
FE 340a/b Youth Ministry Internship (6 credits)	
FE 400 Transition to Vocational Ministry (3 credits)	
Arts and Science Minor #1	18 credits
<i>One of the following:</i>	
Behavioural Science	
Psychology	
Sociology	
Arts and Science Minor #2	18 credits
<i>One of the following:</i>	
Biblical Languages	
Community Development	
Dance	
English	
History	
Intercultural Studies	
Liberal Arts	
Music	
Philosophy	
Theatre	

**General Requirements for Completion and Graduation:**

- Completion of a total of 120 credits (as outlined above)
- A Cumulative Grade Point Average (CGPA) of at least 2.0

## The Internship Program

### Philosophy of Internship

Internship is an integral part of preparation for ministry. It provides the intern with an extended, in-depth practice of ministry for the purpose of integrating classroom study with field experience. In addition, Internship provides our interns with a working relationship with another person in ministry rather than just a place to carry out practical Christian service. The intern is exposed to all forms and facets of the ministry but the primary focus in this experience is on the intern as a disciple in development and on the pastor-mentor as a teacher-leader.

### Objectives of Internship

By the conclusion of the Internship, students should be able to:

- explore and evaluate their personal identity as a ministering part of the Body of Christ;
- discover the areas of their greatest personal effectiveness within the ministry of the church;
- evaluate lifestyle issues and ways of relating to others as they affect personal growth and ministry;
- assess the attitudes and values they hold relating to people, ministry, culture, and life in general;
- measure their ability to relate to their fellow workers and to the programs of the church or para-church organization;
- analyze a ministry situation and set realistic goals and strategies to meet the needs discovered in the analysis;
- evaluate ministry involvement in terms of personal growth, progress toward goals, effectiveness of methods, strengths and weakness, etc.;
- integrate more fully their theological and doctrinal points of view with practical experience.

An Internship or Ministry Coaching approved by the Field Education department is required for Ministry programs. The Director of Field Education assists in locating and approves appropriate Internships.

The following prerequisites must be successfully completed by the end of Winter semester before an Internship can be considered:

- Attending the Annual Ministry Internship Seminar in late April
- Receiving approval of the Field Education Department for the Ministry Internship placement
- Maintaining a minimum Grade Point Average (GPA) of 2.0
- Completion of at least 75 credits

The minimum amount of time for an Internship is five months on a full-time basis in a ministry context, usually in a church setting. Part-time Internships are permitted with the approval of the Director of Field Education. To prepare for Internship, students must apply to the Internship program during September prior to starting an Internship. Bachelor of Theology students must begin to prepare for Internship in their third year of full time studies. All students must attend a pre-internship orientation meeting.

### Prerequisites

#### FE 300a/b Church Ministries Internship

FE 201 Practicum and Reflection II

PST 301 Homiletics

PST 302 Practical Theology

#### FE 320a/b Children and Family Ministry Internship

FE 201 Practicum and Reflection II

PST 321 Teaching Children for Faith Formation

FE 360a/b onSite/Intercultural Ministries Internship

FE 201 Practicum and Reflection II

PST 161 Introduction to Mission

ICS 202 Cultural Anthropology

ICS 205 Intercultural Competence (onSite)

*Student must apply and be accepted for onSite.*

PST 302 Practical Theology

#### FE 340a/b Youth Ministries Internship

FE 201 Practicum and Reflection II

PST 341 Strategies of Youth Ministry

PST 342 Contemporary Youth Issues

All potential ministry interns are given an assessment packet to assess readiness for Internship at the pre-internship orientation meeting. An interview with the director of Field Education is required in October to discuss and review the assessment packet.

The appointment of an Internship field site will be approved usually in February. This is followed by a compulsory 3-day Internship Seminar in early May for all ministry interns and mentors. There is an additional fee associated with the Internship Seminar, please refer to the Financial Information section. The purpose of the Internship Seminar is to prepare the intern and mentor for an effective internship.

#### **The goals of the Internship Seminar are:**

- to build healthy relationships with the mentor, intern and Ambrose;
- to help the intern and mentor understand the importance of soul nurture;
- to address ministry practice and theological reflection issues.

In order to make the most of the Internship experience, student interns meet weekly with their mentor for evaluation and feedback sessions. To ensure that the student is actively involved in ministry, an Internship contract, which specifies types and frequency of an intern's ministry involvement, is signed by both the intern and supervising mentor before Internship begins. Moreover, field advisors will visit the internship site to give formative assessments.

The intern receives a monthly allowance, room and board, travel allowance while ministering, and a love offering at the end of Internship from the assigned church. Churches from various denominations participate in the Ambrose University Internship program. Ambrose reserves the right to place students in participating churches.

## **The onSite Program**

The onSite program is a 7-12 month cross-cultural ministry internship that combines study and service, and is required for Intercultural Studies students. Students must have the following prerequisites:

- ICS 202 Cultural Anthropology
- ICS 205 Intercultural Competence
- completion of at least 75 credits
- apply and be accepted for onSite
- maintain a minimum Grade Point Average (GPA) of 2.0
- FE 201 Practicum and Reflection II
- PST 161 Introduction to Mission

The onSite faculty advisor assists in locating and approving appropriate internships. Students must participate in regular co-curricular meetings during the winter semester as part of their orientation and preparation for onSite, and attend the onSite Internship Seminar in late April.

During onSite, the student is involved in a ministry and location that complements his/her chosen stream (Behavioural Science, Business, Pastoral Missions or Development Studies) —teaching ESL, working with orphans, teaching in a village school, working with a local small business/micro-enterprise, working with a local or international youth or children in a church, etc. The student usually works under the supervision of an expatriate who is an international worker, and meets weekly with the mentor. Students may raise support to cover the travel and living expenses of onSite.

In addition to earning 6 internship credits (FE 360 a/b or ICS 305), students are also required to take ICS 100 onSite Language I and ICS 301 onSite History and Culture during their internship, earning a total of 12 credits.

#### **onSite Objectives**

By the end of the internship, the student should be able to:

- explore and evaluate his/her personal identity as a ministering part of the Body of Christ in a cross-cultural context;
- discover the areas of greatest personal effectiveness and giftedness within the global ministry of the church;

- evaluate lifestyle issues and ways of relating to others as they affect personal growth and ministry;
- measure his/her ability to relate to fellow workers (both those from their host country and other Canadians) and to the programs of the church/organization;
- analyse a ministry situation and set realistic goals and strategies to meet the needs discovered in the analysis;
- evaluate ministry involvement in terms of personal growth, progress toward goals, effectiveness of methods, strengths and weaknesses, etc., and
- integrate more fully his/her theological and doctrinal points of view with practical experience in a cross-cultural setting.
- Develop awareness and appreciation for cultural diversity and identify some of the tensions between different worldviews;
- Understand him/herself, his/her own ethnocentrism and the necessary steps toward learning to appreciate a new culture.

### **Ministry with Christian and Missionary Alliance**

Students who desire to minister with The Christian and Missionary Alliance (C&MA) must complete the licensing process, which is facilitated by the Field Education Department during the final year of study of a degree program. Once the application for licensing is completed, a personal interview with a licensing committee is arranged. During this interview a candidate is examined for biblical knowledge, doctrinal stance, personal lifestyle, philosophy of ministry, etc. The candidate is notified of the result of the licensing process shortly after the interview. Whether becoming licensed to minister in North America or internationally, licensing candidates are expected to be or become members of a C&MA church. There is a fee associated with the licensing process.

Generally, degree programs at Ambrose University meet the educational requirements for licensing with The C&MA. Other courses may be required for those going into overseas ministry with The C&MA.

For further information regarding the accreditation process or serving with The C&MA in a ministry in Canada or overseas, visit [www.cmacan.org](http://www.cmacan.org) or contact:

#### **The Christian and Missionary Alliance in Canada**

Suite 100, 30 Carrier Drive  
Toronto, ON M9W 5T7  
Phone: 416.674.7878  
Fax: 416.674.0808  
Email: [nationaloffice@cmacan.org](mailto:nationaloffice@cmacan.org)

## Minors

Minors exist to provide students with the opportunity to study a second discipline as a complement to their major or concentration. Minors are especially useful for students considering careers in education, communications, business, the social sciences, the natural sciences, history, general studies, Christian ministry, or for students who are considering future graduate programs.

Minors do not feature on student degree parchments, but are recorded on student transcripts. To earn a minor in any discipline, a minimum cumulative GPA of 2.0 in all minor courses will be required. Students must meet all prerequisites of the courses required for the minor. Transfer credit is permitted without limitation.

To gain admission to a minor in any discipline, students must apply using the application form available through the Office of the Registrar. A minor cannot be earned by students in a diploma or certificate program. Multiple minors are allowed provided that the requirements of each minor are fulfilled. Courses at the 400-level cannot apply to a minor for students enrolled in a ministry program.

### **Behavioural Science, Advisor: Dr. Alex Sanderson**

The Behavioural Science minor offers students the opportunity to complement their major or concentration with the study of Psychology and Sociology. The minor is useful for students considering careers in education, business, Christian service, or for students enrolling in graduate programs.

<b>Behavioural Science</b>	<b>18 credits</b>
PS 121 Introduction to Psychology	
PS 250 Social Psychology	
PS 300 Personality	
SO 121 Principles of Sociology	
SO 220 Social Problems	
SO 310 Classical Social Theory	

### **Biblical Languages, Advisor: Dr. Colin Toffelmire**

The Biblical Language minor offers students the opportunity to complement the BA major or BTh Specialization with studies in the ancient languages in which the Bible was written. The minor is useful for students preparing for pastoral ministry or graduate programs in Bible or Theology.

<b>Biblical Languages</b>	<b>18 credits</b>
GR 100 New Testament Greek I	
GR 201 New Testament Greek II	
GR 300 New Testament Greek III	
HEB 200 Biblical Hebrew I	
HEB 201 Biblical Hebrew II	
HEB 300 Biblical Hebrew III	

### **Biology, Advisor: Dr. Carol Kroeker**

The Biology minor offers students an opportunity to complement their Bachelor of Arts Major or Concentration with the study of Biology. The minor provides an overview of subjects within the field of Biology and is useful for students considering a career in Education, Business (e.g. Biotechnology), graduate programs, or further professional training in the science or healthcare field. Students must have completed Biology 30 in order to be eligible for the Biology minor.

<b>Biology</b>	<b>18 credits</b>
BIO 131 Introduction to the Cellular Basis of Life	
BIO 133 Introduction to Plant and Organismal Biology	
12 credits at the 200-level or higher in Biology (BIO), Biochemistry (BCH), Botany (BOT)*, Ecology (ECOL), Kinesiology (KIN)*, Medical Science (MED), or Zoology (ZOO)	
<i>*Note: Not all KIN and BOT courses can be used as Science credits; check the course descriptions.</i>	

**Business Administration, Advisor:**  
**Dr. Randy Poon**

The Business Administration minor offers a group of core courses to students taking other majors or concentrations. The minor is helpful to give students some basic understanding in Business Administration and the economy. Such basic knowledge allows students to gain a better understanding of today's world, which is stated more and more in relation to business and economic news.

**Business Administration**

**18 credits**

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BUS 100 Introduction to Business Administration or

BUS 305 Management of Non-Profit Organizations

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*Two of the following:*

ACC 200 Introduction to Financial Accounting

BUS 250 Organizational Behaviour

BUS 280 Marketing

BUS 341 Leadership Theory and Practice

BUS 390 New Ventures and Social Entrepreneurship

ECO 110 Microeconomics and Macroeconomics I

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6 credits in Business, Economics or Accounting  
at the 200-level or higher

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3 credits in Business, Economics or Accounting  
at the 300-level or higher

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**Canadian Studies, Advisors: Dr. Rita Dirks,  
Dr. Kyle Jantzen, Dr. Joel Thiessen**

The Canadian Studies minor directs students to work in an interdisciplinary fashion to think holistically about Canadians and Canadian society. The Canadian Studies minor also guides students to think about Canada and its position relative to the world around it by studying Canada's influence on the rest of the world as well as the ways in which Canada is influenced by the rest of the world. Opportunities for travel study in Canada also exist that would give students an experiential and grounded appreciation for, and understanding of, Canadian politics, history, literature, culture, and social life.

**Canadian Studies**

**18 credits**

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EN 300 Canadian Literature from 1925

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HI 200 Canada since Confederation

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SO 340 Religion and Culture in Canada or SO 410

Religious Diversity in North America

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*Two of the following:*

BHS 330/REL 330 Understanding Indigenous Knowledge in Post-Colonial Contexts

EN 420 Ecocriticism

HI 313 Topics in Christian History: Christianity in Canada

HI 314 Western Canada

HI 412 Canada During the World Wars

SO 200 Sociology of Families

SO 220 Social Problems

SO 300 Ethnic Relations

TH 363 Canadian Drama

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3 credits in Political Science at the senior level

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**Chemistry, Advisor: Dr. Liza Abraham**

The Chemistry minor complements the Biology degree and is useful to students considering careers in biotechnology, research, or education. Students must have completed Chemistry 30 in order to be eligible for the Chemistry minor.

<b>Chemistry</b>	<b>18 credits</b>
CHE 101 General Chemistry I	
CHE 103 General Chemistry II	
12 credits at the 200-level or higher in Biochemistry (BCH) or Chemistry (CHE)	

**Christian Studies, Advisor: Dr. Rob Snow**

The Christian Studies minor is designed to encourage students taking other majors and concentrations to move beyond introductory survey courses in Christian Studies into more advanced courses in this field. This minor is valuable for any student interested in a more nuanced understanding of Christian thought and practice, as well as for students using other degree programs in a church or para-church vocation.

<b>Christian Studies</b>	<b>18 credits</b>
REL 111 Introduction to Christian Spirituality	
<i>One of the following:</i>	
REL 161 The Christian Faith	
REL 260 Theology I: God and Word	
REL 261 Theology II: Spirit and Church	
6 credits in Christian Studies at the 200-level or GR 100, GR 201, HEB 200, HEB 201	
6 credits in Christian Studies at the 300-level or higher or GR 300 or HEB 300	

**Community Development, Advisor:  
Dr. Randy Poon**

Community development involves community members working in collaboration with churches and other nonprofit organizations, governments, businesses, and academia to engage the community in hearing the community's stories and challenges, revealing and mobilizing its resources, and engaging in solutions and opportunities together.

The Community Development Minor is a unique, interdisciplinary minor providing students opportunities to experience and explore community development through three distinct tracks. Each track combines a mix of theory and practice as students take part in field or travel courses to directly observe and experience community development programs on the ground.

**Domestic Poverty**

This track introduces students to the nature, causes, and consequences of poverty. Consideration will be given to the impact of poverty and the ways in which social and economic policy, along with social enterprises, work to address poverty elimination in a Canadian context.

**International Development**

This track prepares students for involvement in international communities and economic development, as well as in missional organizations in poorer communities and regions of the world. Issues of social justice such as poverty, inequality and oppression will be addressed.

**Nonprofit Management**

This track equips students for the process of managing nonprofit organizations and their ever-changing external environments, in areas such as strategic leadership and governance, marketing and communication, fundraising and financial management, as well as human resource and volunteer management.

**Community Development                    18 credits**  
**(If a class is chosen in one category, it may not be chosen again in a subsequent category)**

**Domestic Poverty Track**

*Required courses:*

- DVST 210 Introduction to Community Development
- BUS 301/DVST 301 Intermediate Domestic Community Development

*One of:*

- ICS 205 Intercultural Competence
- PS 306/DVST 306 Basic Skills and Practice for Working with Individuals who are Vulnerable and Homeless

*One of:*

- BHS 350/DVST 350 Shock Poverty
- PS 307 Psychological Impacts of Poverty
- SO 220 Social Problems
- SO 399 Sociology of Poverty

*Two courses from:*

- Above categories
- Domestic Community Development Electives
- General Community Development Electives
- DVST Practicum

**International Development Track**

*Required courses:*

- DVST 210 Introduction to Community Development
- BUS 302/DVST 302 Intermediate International Community Development
- BUS 304/DVST 304 or BUS 404/DVST 404 Travel Study
- ICS 205 Intercultural Competence

*Two courses from:*

- General Community Development Electives
- BUS/DVST 261 Global Business Practices
- BUS/DVST 323 Responsible and Impact Investing
- DVST 402/SO 402 Human Trafficking
- ICS 202 Cultural Anthropology
- ICS 303 Global Forms of Violence Against Women
- SO 403 Global Criminology

**Nonprofit Management Track**

*Required courses:*

- DVST 210 Introduction to Community Development
- BUS 305/DVST 305 Management of Non-Profit Organizations

*Two of the following:*

- BUS 381/DVST 381 Societal and Social Marketing
- BUS 341 Leadership Theory and Practice
- BUS 441 Advanced Leadership
- BUS 455 Special Topics in Leadership
- ECO 110 Microeconomics and Macroeconomics I

*One of:*

- BUS 301/DVST 301 Intermediate Domestic Community Development
- BUS 302//DVST 302 Intermediate International Community Development

*One course from:*

- Any category above or any other Community Development track

**Domestic Community Development Electives**

BHS 330 Understanding Indigenous Knowledge in Post-Colonial Contexts

BHS 450 Intersections Between Poverty and Government Policy

DVST 306/PS 306 Basic Skills and Practice for Working with Individuals who are Vulnerable and Homeless

DVST 309 Community Development for Local Congregations

PS 307 Psychological Impacts of Poverty

Canadian Poverty Institute Summer Institute courses (where relevant and with permission)

REL 405 Special Topics in Christian Studies (where relevant and with permission)

**General Community Development Electives**

BHS 350/DVST 350 Shock Poverty
BUS 305/DVST 305 Management of Non-Profit Organizations
ECO 110 Microeconomics and Macroeconomics I
ICS 205 Intercultural Competence
ICS 302 Ethnographic Research
SO 220 Social Problems
SO 300 Ethnic Relations
SO 399 Sociology of Poverty
Canadian Poverty Institute Summer Institute courses (where relevant and with permission)
REL 405 Special Topics in Christian Studies (where relevant and with permission)

**Dance, Advisor: Barrett Hileman, MFA**

The Dance minor offers students in other majors and disciplines an alternate expression and/or concentrated study of creativity and physical activity. The minor is useful to students studying other artistic mediums, worship arts, kinesiology, education, and any other field where creative, interdisciplinary problem solving is required. Students start with foundation and technique courses before choosing how to apply their skills in upper level performative courses.

<b>Dance</b>	<b>21 credits (for Arts &amp; Science students)</b>
	<b>18 credits (for BTh students)</b>

*3 credits in Introductory Dance, one of:*

- DA 103 Dance Fundamentals (3 credits)
- TH 203 Movement I (3 credits)

*9 credits in Technique:*

- DA 203 Ballet Technique I (1.5 credits)
- DA 204 Ballet Technique II (1.5 credits)
- DA 213 Modern Technique I (1.5 credits)
- DA 214 Modern Technique II (1.5 credits)
- DA 303 Selected Styles (3 Credits)

*6 credits in Applied Performance:*

- DA 322 Introduction to Choreography (3 credits)
- DA 423 Variations in Contemporary Choreography (3 credits)
- TH 120a and TH 120b Collective Creation I and II (6 credits)

*3 credits in Faith and Dance:*

- (this requirement is optional for BTh students)
- IND 288 Art and Faith I (3 credits)
  - IND 289 Art and Faith II (3 credits)

**Ecology, Advisor: Dr. Matthew Morris**

The ecology minor focuses on conservation, bio-diversity, and ecosystems. It would benefit those students looking to expand their studies beyond General Biology or Zoology, or students who are looking towards a career in education, environmental studies, or a graduate program in related fields.

<b>Ecology</b>	<b>18 credits</b>
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BIO 133 Introduction to Plant and Organismal Biology

BIO 213 Principles of Ecology

BIO 351 Conservation Biology

3 credits in Ecology

*Two of the following:*

BIO 339 Introduction to Biotechnology

BOT 203 The Biology of Plants

ZOO 275 Invertebrate Zoology

ZOO 277 Biology of Vertebrates

ZOO 379 Introduction to Marine Biology

**English Literature, Advisor: Dr. Rita Dirks**

The English Literature minor offers students the opportunity to complement their major or concentration with the study of English literature. The minor is useful for students considering careers in education, business, Christian service, or for students enrolling in graduate programs.

<b>English Literature</b>	<b>18 credits</b>
EN 115 Introduction to Literature and Language	
EN 220a Representative Literary Works: Medieval to Romanticism	
EN 220b Representative Literary Works: Romanticism to the Present	
9 credits in English at the 200-level or higher	

**History, Advisor: Dr. Kyle Jantzen**

The History minor exists to guide students into a sustained study of history for the purposes of complementing their major or concentration. This minor is particularly useful for students considering careers in education, communications or journalism, public administration, Christian ministry, or for students enrolling in graduate programs in Christian studies or English.

<b>History</b>	<b>18 credits</b>
HI 141 World History to 1500 or HI 142 World History since 1500	
HI 280 History in Practice	
6 credits in History at the 200-level or higher	
6 credits in History at the 300-level or higher	

**Industrial and Organizational Psychology,  
Advisors: Dr. Alex Sanderson, Dr. Randy Poon**

The Industrial and Organizational Psychology minor offers students an opportunity to complement their major or concentration with the study of psychology and business in an organizational/workplace context. The minor is useful for students considering careers in human resources, personnel psychology, organizational and career development, or graduate programs.

**Industrial and Organizational Psychology 18 credits**

BUS 250 Organizational Behaviour

PS 250 Social Psychology

*Two of the following:*

- BUS 330 Human Resource Management
- BUS 331 Organization Development and Change
- BUS 341 Leadership Theory and Practice
- BUS 431 Learning and Performance Management
- BUS 432 Recruitment and Selection
- BUS 433 Employee and Labour Relations
- BUS 435 Special Topics in Human Resources
- BUS 441 Advanced Leadership
- BUS 445 Special Topics in Leadership
- BUS 490 Independent Study\*

*Two of the following:*

- PS 300 Personality
- PS 331 Ergonomics
- PS 335 Personnel Psychology
- PS 345 Interpersonal Communication
- PS 490 Independent Study\*

*\*Students choosing to do an independent study may take either PS 490 or BUS 490, but not both*

**Intercultural Studies, Advisor: Jennifer Singh**

The Intercultural Studies minor offers students the opportunity to explore how their major or concentration might be applied in an international, especially missional, context. The minor prepares the student for a 7-month international internship (called onSite) in which the student works closely with an assigned mentor while involved in basic language study, and the study of the history and culture of the location of the Internship. The prerequisites prepare the student for a cross-cultural experience. The minor is useful for students considering cross-cultural work.

<b>Intercultural Studies</b>	<b>18 credits</b>
ICS 100 onSite Language I	
ICS 202 Cultural Anthropology	
ICS 205 Intercultural Competence	
ICS 301 onSite History and Culture	
ICS 305 Intercultural Studies Practicum or FE 360a/b onSite/Intercultural Studies Internship	

**Kinesiology, Advisor: Dr. Carol Kroeker**

The Kinesiology minor is recommended for students wanting to pursue careers in Physiotherapy, Occupational therapy, Chiropractic and Physical Education. It is also a good option for students considering a career in Medicine. This minor also prepares students for graduate studies in Physiology, Exercise Physiology or Kinesiology. Students must have completed Biology 30 in order to be eligible for the Kinesiology minor.

<b>Kinesiology</b>	<b>21 credits</b>
KIN 201 Introduction to Kinesiology	
ZOO 261 Human Physiology I	
ZOO 263 Human Physiology II	
ZOO 265 Human Anatomy	

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*Nine credits of the following:*

- BIO 269 Nutrition
  - HI 365 Sports and Society
  - KIN 121/KIN 122/KIN 123/KIN 124/KIN 127 Physical Activity Skills (1.5 credits each)
  - KIN 241 Introduction to Coaching
  - KIN 243 Coaching and Leadership
  - KIN 255 Growth and Development
  - KIN 323 Integrative Physiology
  - KIN 335 Sports Injuries and Rehabilitation
  - KIN 367 Exercise Physiology
  - KIN 385 Biomechanics
  - MED 231 Medical Terminology
  - PH 211 Philosophy of Sport
  - ZOO 323 Integrative Physiology
  - ZOO 361 Pathophysiology
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**Liberal Arts, Advisor: Dr. Ken Nickel**

The Liberal Arts Minor seeks to provide the student with the greatest amount of flexibility and variation in course selection. The celebrated virtue of a Liberal Arts education is the contribution it makes to an open and receptive mind. The Liberal Arts Minor is an excellent academic complement for students seeking breadth and variety in their intellectual experience and development. Students in an Arts or Science program cannot earn a Liberal Arts minor; this minor is for School of Ministry students only.

<b>Liberal Arts</b>	<b>18 credits</b>
<i>Only School of Ministry Students may choose this Minor</i>	
6 credits from the Humanities (EN, HI, LANG, PH)	
6 credits from the Social Sciences (BHS, ICS 202, ICS 205, POLI, PS, SO)	
6 credits in Science, Development Studies (DVST) or Fine Arts (ART, DA, FA, MU, TH)	
<i>*Note: Not all KIN courses can be used as Science credits; check the course descriptions.</i>	

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**Music, Advisor: Alyssa Michaud**

The Music minor offers students the opportunity to complement their major or concentration with the study of Music. The minor is useful for students considering careers in education, church music and other vocational programs which have some connection to music. Requires permission of the department. Please note: Admission to the Music Minor will require a minimum Royal Conservatory of Music Grade Two Theory.

<b>Music</b>	<b>18 credits</b>
MU 125a/b Aural Skills I	
MU 126 Musical Structures I	
3 credits of Applied Music	
3 credits of Music Ensemble or equivalent and Grade 5 Royal Conservatory equivalency in one instrument	
3 credits in Music at the senior level	
<i>One of the following:</i>	
MU 201 Musics of the Western World	
MU 203 History of Music I	
MU 207 History of Music II	

**Natural Sciences, Advisor: Dr. Liza Abraham**

The Natural Sciences minor has breadth into the physical sciences and complements a Biology degree well. Courses are in the fields of Chemistry, Biology, Math, Physics, and the Natural Sciences. This minor would be beneficial for those students looking towards work in Education, Environmental Sciences, Engineering, or a graduate program in natural sciences or Physical Biological Sciences.

<b>Natural Sciences</b>	<b>30 credits</b>
Must have Biology program prerequisites	
BIO 131 Introduction to the Cellular Basis of Life	
BIO 133 Introduction to Plant and Organismal Biology	
CHE 101 General Chemistry I	
CHE 103 General Chemistry II	
ECOL 335 Introduction to Environmental Science	
GEO 109 Introduction to Geology	
MA 149 Introductory Calculus or MA 111 Linear Algebra	
PHY 111 Mechanics	
PHY 123 Introductory Electromagnetism and Thermal Physics	
SC 120 Introduction to Astronomy	

**Philosophy, Advisor: Dr. Ken Nickel**

A Philosophy minor has significant value, particularly in the context of Christian liberal arts and sciences. The study of philosophy helps students to probe beyond the obvious, to recognize presuppositions, and to analyze assumptions. Because of its emphasis on rational argumentation and logical precision, philosophy also helps develop a student's thinking and writing skills—necessary skills for success whatever the student's degree program. A minor in Philosophy is an excellent complement for majors in English, History, and Christian Studies, and is also valuable to students considering careers in law, business, ministry, and other fields of social service.

<b>Philosophy</b>	<b>18 credits</b>
PH 125 Introduction to Philosophy	
PH 201 Logic	
12 credits in Philosophy at the 200-level or higher	

**Psychology, Advisor: Dr. James Cresswell**

The minor in Psychology allows a student to gain knowledge of the systematic study of human behaviour with an emphasis on the integration of knowledge, including theories and best practices. Introduction to Psychology and one theory course are required. Additionally, students may choose electives from at least one of the following four areas; human development, interpersonal psychology, clinical studies, or neuropsychology.

<b>Psychology</b>	<b>18 credits</b>
PS 121 Introduction to Psychology	
3 credits in Psychology at the 200-level or higher	
PS 300 Personality	
9 credits in Psychology at the 300-level or higher	

**Sociology, Advisor: Dr. Joel Thiessen**

The Sociology minor offers students an opportunity to complement their major or concentration with the study of Sociology. The minor provides students with flexible course options in line with personal interests and is useful for those considering careers in law, the police force, politics, education, social services, business or marketing, Christian service (e.g., pastoral or missionary ministry), or for students enrolling in graduate programs.

<b>Sociology</b>	<b>18 credits</b>
SO 121 Principles of Sociology	
SO 310 Classical Social Theory	
6 credits in Sociology at the 200-level or higher	
6 credits in Sociology at the 300-level or higher	

**Theatre, Advisor: Barrett Hileman, MFA**

The Theatre minor offers students in other majors and disciplines an alternate expression and/or concentrated study of creativity. The minor is useful to students studying other artistic mediums, worship arts, education, and any other field where creative, interdisciplinary problem solving is required. Students may choose an acting stream, a technical theatre stream, or a more flexible stream that allows them to combine various theatrical interests. Approval from the department is required for admission.

<b>Theatre</b>	<b>18 credits</b>
<b>Acting Stream</b>	
TH 154 Script Analysis	
<i>One of the following</i>	
TH 100 Introduction to Theatre	
TH 160 Theatre History I	
TH 161 Theatre History II	
<i>Two of the following Theatre Skill Disciplines</i>	
TH 201 Acting I: Meisner	
TH 202 Acting II: Meisner	

*One of the following Applied Theatre Practices*

- TH 222 Rehearsal and Performance: Classical Play
- TH 223 Rehearsal and Performance: Contemporary Play
- TH 120a/b Collective Creation

3 credits in Theatre at the 200-level or above

**Technical Theatre Stream**

TH 154 Script Analysis

*One of the following*

- TH 100 Introduction to Theatre
- TH 160 Theatre History I
- TH 161 Theatre History II

*Two of the following Theatre Skill Disciplines*

- TH 130 Technical Theatre I
- TH 131 Technical Theatre II

*One of the following Applied Theatre Practices*

- TH 330/331/332/333 Technical Theatre Practice I/II/III/IV
- 6 credits in Theatre at the 200-level or above

**General Stream**

TH 154 Script Analysis

*One of the following*

- TH 100 Introduction to Theatre
- TH 160 Theatre History I
- TH 161 Theatre History II

*Two of the following Theatre Skill Discipline (4-6 cr)*

- TH 201 Acting I: Meisner and TH 202 Acting II: Meisner  
or
- TH 130 Technical Theatre I and TH 131 Technical Theatre II

*One of the following Applied Theatre Practices*

- TH 222 Rehearsal and Performance: Classical Play
- TH 223 Rehearsal and Performance: Contemporary Play
- TH 120a/b Collective Creation I/II
- TH 330/331/332/333 Technical Theatre Practice I/II/III/IV

3 credits in Theatre at the 200-level or above

## Financial Information

The following tuition and fee rates and financial policies are valid between May 1, 2018 and April 30, 2019. The fees as stated are correct at the time of publication. Ambrose reserves the right to change tuition and fees without notice.

### General Information and Policies

#### Tuition Deposit

A \$250 non-refundable deposit is required prior to registration. This deposit will be applied towards tuition fees for the current academic year. The deposit must be paid in the first semester in which a student registered, either in the Spring, Summer, Fall or Winter semester.

#### Due Date

All tuition and fees (including residence and meal plan fees) are charged by semester.

*Due dates are:*

Fall Semester: August 31, 2018

Winter/Spring Semesters: first day of classes

If you are unable to meet the semester deadline, you must contact the Finance Office to set up a deferred payment plan. Failure to do so will jeopardize your registration status in all of the classes you have selected.

#### Statement of Account

Student account statements are available online via the student registration system. A detailed breakdown of charges and payments can be seen by clicking on the "billing" menu item once you have logged in to the system at [my.ambrose.edu](http://my.ambrose.edu).

#### Outstanding Student Account Balances

All outstanding student account balances from prior semesters must be settled in full before you are allowed to register for any additional classes.

If you have an outstanding account balance you will not be issued any documents including degree parchments, grade reports, transcripts, income tax forms, etc. Students that have applied to graduate will also be removed from the graduation list and must reapply once the balance is cleared.

#### Methods of Payment

*1 In Person – personal cheques, bank drafts, and Interac*

- Make cheques payable to Ambrose University
- Write Student ID number on memo line
- Questions? Email: [studentaccounts@ambrose.edu](mailto:studentaccounts@ambrose.edu)

*2 Mail – personal cheques or bank drafts*

- Write Student ID number on memo line
- Questions? Email: [studentaccounts@ambrose.edu](mailto:studentaccounts@ambrose.edu)

*3 Online – through your online banking website*

- Available through major banks in Canada and some credit unions
- Use your 6-digit student ID number as account number
- Account balances are available online through: <https://students.ambrose.edu>. Click on the "Billing" menu item once logged-in
- Questions? Email: [studentaccounts@ambrose.edu](mailto:studentaccounts@ambrose.edu)

*4 Plastiq – credit cards through a third-party service*

- Navigate to <https://www.plastiq.com/pay>. Register for an account and follow the steps
- Plastiq charges a nominal fee per transaction

#### Late Charges and Deferred Payments

##### Late Fee

An outstanding balance on the student account is considered late at the end of the first month of each semester. Late accounts will be charged a one-time late fee of \$125.

##### Interest Charge

All outstanding accounts will be charged monthly interest at a rate of 10% per annum.

##### Deferred Payment Options

You may arrange for a deferred payment plan through Rotessa. Under this plan you must pay 1/3 of your tuition and fees and apply for the deferred payment portion through Rotessa by the tuition and fee due date. The remaining 2/3 of tuition and fees will be split into two equal payments that will be paid via direct debit from your bank account.

You will be charged a \$75 fee (per plan) for deferred payment plans handled by Rotessa. Any non-sufficient funds (NSF) payments will be charged an additional \$25 per NSF transaction. To apply please visit: <https://ambrose.edu/payment> and fill out the appropriate form:

### Fall or Winter

For subsequent semesters after the initial application, please email: [studentaccounts@ambrose.edu](mailto:studentaccounts@ambrose.edu).

You may also contact the finance office by email at [studentaccounts@ambrose.edu](mailto:studentaccounts@ambrose.edu) to apply for deferred payment, or for further information.

### Student Accounts

#### Account Statements

Statements are available online from the student registration system at <https://students.ambrose.edu>. Once logged in, click on the "Billing" menu item. It is your responsibility to ensure your account is up-to-date.

### Tuition and Fees

#### Undergraduate Tuition (per credit hour)

Tuition (Domestic)	\$380
Tuition (International)	\$570
Audit Fee	\$194

#### Education (After-degree) Tuition (per credit hour)

Tuition	\$390
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#### Mandatory Student Fees (per credit hour)

Student Services Fee	\$22.00
Registration Fee	\$5.00
Student Association Fee	\$3.25

*\*\*Note: Tuition and fees are subject to change without notice.*

#### Application Fees

Domestic Students	\$70
International Students	\$100
Late Application Fee	\$130

(After Aug 1 for Fall and Dec 1 for Winter admission)

#### Music Fees

Music Lessons	\$380
Accompanist Fee (1 credit)	\$120
Accompanist Fee (3 credits)	\$250

#### Choir Fees

University Singers	\$40
Instrumental Ensemble	\$40

#### Registrar/Registration Fees

Late Registration Fee	\$50
Graduation Application Fee ( <i>final year only</i> )	\$125
Late Graduation Application Fee	\$225
Replacement Degree	\$75
Letter of Permission	\$20
Syllabus Request	\$1 per syllabus
Official Transcripts	\$8 + GST

Per institutional addresses. Additional costs will apply for express postage. Please contact the Registrar's Office for more details ([registrar@ambrose.edu](mailto:registrar@ambrose.edu)).

*NOTE: Official transcripts are only issued when any outstanding student account balances are paid in full.*

#### Athletic Team Fees (annual)

Basketball	\$400
Futsal	\$400
Hockey	\$500
Volleyball	\$400

#### Campus Services

**Lockers** (*available on a first-come, first-served basis*)

½ size	\$60 per academic year
¾ size	\$75 per academic year
<b>Parking</b> ( <i>residence</i> )	\$420 per academic year
<b>Parking</b> ( <i>commuter</i> )	\$472.50 per academic year

<b>Specific Fees</b>	
Internship Seminar	\$350
Bachelor Education – Memberships Fee (per year)	\$30
Bachelor Education – Practicum Fee (per year)	\$100
OnSite/Administration Fee	\$500
Married Couple Fee	\$750
Undergrad School of Ministry Program Fee <i>(per semester)</i>	\$50
Behavioural Science Community Fee <i>(per academic year)</i>	\$25
BSc Program Fee <i>(per semester)</i>	\$10
Business Program Fee <i>(per semester)</i>	\$15
Christian Studies Program Fee <i>(per semester)</i>	\$75
English Program Fee <i>(per semester)</i>	\$15
History Program Fee <i>(per semester)</i>	\$15
Music Program Fee <i>(per semester)</i>	\$25
C&MA Licensing Fee	\$60
SPSS Fee (statistical analysis software)	\$130
Personality Assessment Fees	\$85
Practicum Assessment and Testing Fee	\$350
Undergraduate Health and Dental Plan <i>(info: <a href="https://wespeakstudent.com">https://wespeakstudent.com</a>)</i>	\$205

<b>Room Options and Rates <i>(per semester)</i></b>	
A – Double	\$1800
B – Triple	\$1600
C – Single (students over 21, any floor)	\$2400
D – Sr. Pod Single (students over 21, Sr. Pod only: 3rd Floor of Res Ed)	\$2100
<i>Residence room options above are based upon availability.</i>	

When you apply to residence you must pay a \$400 deposit to reserve your spot. This room reservation deposit becomes a damage deposit once you have moved into residence.

To receive your room reservation deposit back if you are not planning on living in residence, you must notify the Residence Director prior to:

- June 15 for Fall semester admission
- Dec 1 Winter semester admission
- Refunds are subject to inspection

Students fully withdrawing from Ambrose University, or who are asked to leave residence due to misconduct, will be held to the same financial arrangements as stated in the Refund section. Residence students, by way of the Residence Contract, agree to a four month lease (each semester).

<b>Meal Plans <i>(per semester)</i></b>	
Option A	\$2000 per semester
Option B	\$1525 per semester
<i>(Includes \$100 toward flex dollars)</i>	

All meal plans include \$100 towards flex dollars that can be spent at the Snackbar, Dominos and Waves.

*PLEASE NOTE: Monies carry over from Fall Semester to Winter Semester.  
Unused amounts at the end of April (over \$10 & up to \$250) may be deposited into a future year meal plan. All meal plans are GST exempt.)*

## Refunds

If you reduce or change your course load after the Registration Revision period, you are still responsible to pay for the courses you dropped. However, if you withdraw from Ambrose University completely, the following schedule for refunds applies:

Tuition Refund	Residence Refund	For total withdrawal from Ambrose before:
100%	80%	The end of registration revision period
80%	80%	The end of the 1st week after registration revision period
70%	70%	The end of the 2nd week after registration revision period
60%	60%	The end of the 3rd week after registration revision period
50%	50%	The end of the 4th week after registration revision period

*No refunds are available after last stated date above. Other semester fees are not refundable. Scholarships and other financial awards will be withdrawn.*

In extenuating circumstances (serious illness or other unusual circumstances beyond your control), refunds beyond those outlined (exceptions to financial policies stated in the Academic Calendar) may be considered by the Finance Office on a case by case basis.

*Please note that the withdrawal date will be the date on which the withdrawal form is signed by the Registrar.*

## Income Taxes

### T2202a

T2202as are issued based on eligible fees for each calendar year. These forms will be sent to my.amrose.edu email addresses. It is your responsibility to ensure that you have access to your school email address.

To request missing T2202a forms from a previous calendar year visit: <https://ambrose.edu/income-tax> for instructions to request another copy.

## Special Discounts

### Audit Volume Discount

Students who are registered in 15 or more credit hours in one semester can audit a class during the same semester and have the audit tuition fee waived.

### Alumni Discount

Alumni receive a 50% tuition discount on audited courses (subject to availability, some restrictions apply). All other related fees apply.

### Seniors' Discount

Senior Citizens (age 65+) receive a 50% tuition discount on audited courses (subject to availability, some restrictions apply). All other related fees apply.

### Spousal Discount

When both husband and wife attend Ambrose University as full-time students, one spouse will receive a discount equal to the tuition cost of one full course (3 credit hours) during the same semester. All other related fees apply. Students must be married prior to the beginning of the semester. Students must provide a copy of their marriage certificate.

The Spousal Discount Application form is available at: <https://ambrose.edu/financial-tools-and-resources>. The due date for applications is the end of the registration revision period. Late application forms will not be processed.

# Student Development

Student Development cultivates a hospitable learning environment that promotes wisdom development through faith-formation and holistic well-being. To that end we offer a number of co-curricular programs, activities and services. See the Student Handbook for more information.

## Spiritual Development

We intentionally seek to help students develop their Christian faith through

- Chapel Worship Services
- One-on-one time with the Campus Chaplain and Associate Chaplain
- Spiritual Emphasis Days and Faith, Life & Learning Days
- Prayer Retreats
- Discipleship Small Groups
- Residence Worship Nights

## Residence

The Ambrose Residence program is an integral part of the Ambrose experience. We offer a living environment that seeks to facilitate physical, emotional, relational and spiritual growth. The connections formed among students in residence significantly contribute to a sense of belonging at Ambrose and offers the opportunity to build life-long friendships. Our live-in Residence Directors and Residence Assistants provide support as you make the transition from home to independent living. Building Community is our highest priority.

Our two Ambrose Residence buildings have the capacity to house 242 students in single, double and triple occupancy rooms, and it's all steps away from our academic building. Rooms are equipped with a bed, desk, chair and closet space for each student. Each room is connected to another by a bathroom which is shared between four to five students. Each floor contains a spacious lounge space equipped with couches, two refrigerators, a kitchen sink, cabinets and a microwave.

The residences were built with safety and security in mind and have programmable proximity card access systems, security cameras in the public areas and glassed stairwells with 24-hour lighting. The residence basement offers recreational space, laundry facilities, student storage, a media room and a kitchen that can be accessed for special occasions.

## Commuter Life

The Commuter Life program is committed to establishing an atmosphere of community, belonging and mutual learning among commuter students. Much of this community building happens in the Commuter Collegium, a campus living room set aside for study, prayer, relaxation, reflection and connection with other Ambrose students. The Collegium is staffed by Commuter Life leaders who always have the coffee ready, help build connections between commuters, and contribute to learning by providing opportunities to interact with faculty, grow spiritually, connect to community, and develop academically. Undergraduate commuter students may purchase a collegium membership for \$25.00/semester.

## Career Services

The Career Development Mission is '*To inspire, challenge and support Ambrose students' personal and professional development, that they may be equipped to navigate the education to employment transition with clarity, competence and confidence*'. This mission is accomplished through services that include individual student appointments, presentations & events, as well as our online job board ([jobboard.ambrose.edu](http://jobboard.ambrose.edu)). The Director of Career Development is passionate about facilitating the vocational discernment process, using various career assessments, and exploring together how God has uniquely gifted and called each person into work and service. All students (prospective, current & alumni) are invited to drop-by the office (Student Development Rm A2009) or email for an appointment [julrich@ambrose.edu](mailto:julrich@ambrose.edu).

## Athletics and Campus Recreation

Ambrose University varsity teams compete under the name Ambrose Lions. The team colors are black, gold and white. The Ambrose Lions compete in the Alberta Colleges Athletic Conference (ACAC) in Volleyball, Basketball, Outdoor Soccer, and Futsal. We also have a club hockey team that competes in the Calgary Adult Hockey League. Team members are committed to excellence in character, sport and academics, and they strive to be examples in the league and in the community.

The Fitness Centre and squash courts are available to all students and intramural programming takes place throughout the year. You are encouraged to cheer on the Lions in their home gym, affectionately known as *The Lions' Den*, which has capacity for 400 spectators.

### **International Students**

It is our desire to make our international students' transition to Calgary a positive experience.

### **International Student Employment**

International students are now eligible to apply for work permits if they meet specific degree requirements. Contact the International Student Coordinator for details.

### **Health Insurance for International Students**

Alberta has a publicly administered health care system that guarantees Albertans receive universal access to medically necessary hospital and medical services. Alberta Health Care Insurance is free to all students with a study permit. Talk to the International Student Coordinator for more details.

### **Financial Aid**

We understand that finances are a vital aspect of university life and are committed to helping you achieve your educational goals through a Financial Aid program. Our Financial Aid Coordinator assists with scholarship applications, emergency relief, student employment and budget outlines.

### **Accessibility and Support Services**

Ambrose University celebrates diversity and welcomes the contributions, experiences and full participation of students experiencing disabilities as valued members of our community.

Academic accommodation is provided to Ambrose students with disabilities in accordance with the Alberta Human Rights Act and the Canadian Charter of Rights and Freedoms. Provision of academic accommodation does not lower the academic standards of the university nor remove the need for evaluation and the need to meet essential learning outcomes.

The Accessibility and Support Services Office at Ambrose serves the university and students experiencing disabilities and requesting academic accommodation in creating an accessible learning environment that encourages full participation in academic courses.

Reasonable accommodations are tailored to the individual student, are flexible, and are determined by considering the barriers within the unique environment of a post-secondary institution.

It can take time to organize academic accommodations and funding for disability-related services. Students with a disability who wish to have an academic accommodation are encouraged to contact the Accessibility and Supports Services Office as early as possible to ensure appropriate planning for any needs that may include accommodations. Staff can then meet with students to determine areas to facilitate success, and if accommodations are required, ensure those accommodations are put in place by working with faculty.

### **Ambrose Writing Centre**

The Ambrose Writing Centre provides academic support in the four foundational literacy skills—listening, speaking, reading, and writing. It also assists students with critical thinking and the research process. Throughout the academic year, students can meet with a writing tutor for personalized support, or they can attend a variety of workshops offered by the writing centre. These services are free to students enrolled at Ambrose University.

The Writing Centre serves all students in all disciplines and at all levels, from history to biology and from theatre to theology. To learn more, please visit <https://ambrose.edu/writingcentre>.

## Ambrose Tutoring Services

Ambrose Tutoring Services provides support in specific disciplinary knowledge, especially in high-demand areas such as chemistry, philosophy, math and statistics, and religious studies. These tutors also coach students in general study skills, including listening and note-taking. During the academic year, Ambrose Tutoring Services offers drop-in tutoring for courses with high demand; for other courses, students can book a one-to-one appointment with a tutor in their discipline. These services are free to students enrolled at Ambrose University. To learn more, please visit <https://ambrose.edu/tutoring>.

## First Year Experience

Student Development has a First Year Experience (FYE) Coordinator who acts as a point person for first year students and runs programs that facilitate student success. The FYE Coordinator is also available to offer personal support where needed and works with Student Development staff to offer a holistic approach to student care.

## Ambrose 101

This program is a semester-long weekly seminar for first year students that creates a smooth transition into university life. The First Year Experience Coordinator oversees this program with the help of upper-class student leaders.

## Early Alert System

The first 4 to 6 weeks of university is a critical time where you may face both successes and challenges. The Early Alert System (EAS) is designed for faculty, staff and students to communicate concerns about any student. These concerns may be academic, social, emotional, etc., and referrals are handled in a confidential, sensitive and respectful manner. EAS referrals are not meant to be punitive in manner and there is no annotation made on the student transcript. Early alerts are received by the office of the First Year Experience Coordinator and appropriate supports and resources are made available to students.

## Academic Intervention

If you obtain a CGPA lower than 2.0 after your first semester of study, you are invited to participate in the Academic Intervention program. The program enables you to identify academic challenges, and work together with the First Year Experience Coordinator to create a plan to improve academic success, in order to avoid Academic Probation. Academic Intervention is not recorded on your transcript. The goal of Academic Intervention is to create a custom plan for your future success.

## Counselling

Confidential personal, pastoral and vocational counselling is available to you through the Student Development department. There is a nominal fee for personal counselling. For more information or to book an appointment, please visit our counselling page: [ambrose.edu/counselling](https://ambrose.edu/counselling).

## Student Government

Ambrose Student Council members are elected and appointed to serve the holistic needs of the student body as part of the Student Development division and, in collaboration with Ambrose University, to represent your interests to the Ambrose administration.

## Harassment

Ambrose University provides an environment that supports the fair treatment of all members of the campus community. All members of the community are entitled to a learning and working environment that is pleasant, professional, spiritually uplifting and free from all forms of harassment, including sexual harassment. You will find our Sexual Violence policy and procedures on our website: [ambrose.edu/sexual-violence-response-and-awareness](https://ambrose.edu/sexual-violence-response-and-awareness).

## Community Standards (Responsibility of Membership)

Ambrose University is a distinctly Christian academic community grounded in the evangelical tradition with a clear mission:

*We prepare men and women for wise, joyful and redemptive engagement in the church, society and the created order.*

Ambrose is committed to nurturing an environment that is conducive to holistic development and spiritual maturity in the context of rigorous academic programs grounded in a Christian worldview. Students that apply and accept the invitation to join the distinctly Christian academic community at Ambrose will benefit from engaging in a learning environment that is flooded with educationally meaningful opportunities.

As a student, you have a responsibility to contribute in a meaningful and significant way to the Ambrose community. Self-sacrifice and service to the greater good is at the heart of the Christian worldview and it is foundational for the Community Standards which represents an essential aspect of the spiritual maturation process.

When you join our community you commit yourself to the standards outlined in the Student Handbook's Responsibilities of Membership for Students. Failure to abide by these standards will result in an accountability process as outlined in the Student Handbook.

## Student Information and Confidentiality

Information about Ambrose students that has come to the attention of Student Development professionals is confidential; however, limits to confidentiality include three exceptions: 1) if you or another person is at risk of serious harm, 2) if your information is subpoenaed in a court of law, 3) if disclosure to others persons is reasonably necessary to care for, support and provide interventions for a student.

## PIPA (Personal Information Protection Act) Policy

Ambrose University is committed to safeguarding the personal information entrusted to us. We manage your personal information in accordance with Alberta's Personal Information Protection Act and other applicable laws.

## Academic Information and Policies

As a student, you are responsible to familiarize yourself with all academic policies. Acceptance into Ambrose constitutes your agreement to comply with all academic policies. You are responsible for all financial and academic policies and penalties as listed in this Academic Calendar. The Academic Calendar (including official errata and addenda) is the official authority on all course and program requirements.

If you have questions about these policies, want apply for an exception to a policy or need to ask for judgment on a situation not covered by these policies, talk to someone in the Office of the Registrar.

### Communication Policies

#### Check Your Email

Your Ambrose email account is the University's primary and official mode of communication with you. Information delivered to your Ambrose email is considered official notification. Ambrose University is not responsible for your failure to receive important information delivered to your Ambrose email.

#### Let Us Know if You Change Personal Information

You must notify the Registrar immediately of any changes to personal information including changes in address, name or citizenship. If you wish to change either your surname or given name you must provide proof of an official name change in the form of legal documentation. Ambrose University is not responsible for incorrect mailing, missed deadlines or failure to receive information when these incidents are due to your failure to report a change of personal information.

### Definitions

#### The Academic Year

The Academic Year consists of two primary semesters, Fall and Winter, with a minimum of 13 weeks in class each semester, plus an examination period. Spring semester, consisting of several weeks of modular and weekend courses, follows the Winter semester each year. See the Academic Schedule for details.

#### Credit Hours

Each credit hour represents one fifty-minute period for each week in a semester. Thus, a three credit course meets each week for two seventy-five minute periods, or one period of one hundred and fifty minutes.

#### Course Load

A full student load is 15 credit hours (typically, five three-credit courses) per semester. If you wish to complete your degree program in the minimum time required, you must take a full load each semester. The Registrar may grant approval of loads in excess of 16.5 credit hours a semester to students who have demonstrated superior academic ability. Student athletes are strongly encouraged to take 12 credit hours per semester.

#### Full-time/Part-time Classification

Students enrolled in 9 or more credit hours per semester are considered full-time. Students enrolled in less than 9 credit hours per semester are considered part-time.

#### Open Studies Students

Open Studies Student status is granted to eligible students wishing to take courses without enrolling in a particular academic program. This is a temporary designation only and students in this category are limited to registration in five courses. To continue in studies past the fifth course, you must apply and be accepted into an academic program through another admission category. No assurance is given that courses taken as an Open Studies Student will apply to an academic program.

#### Visiting Students

If you are enrolled in a program at another post-secondary institution, by presenting a Letter of Permission from your home institution you may take the course(s) specified in the Letter of Permission. You are not required to complete an application but may need to submit official transcripts to meet course prerequisites.

#### Class Attendance

You are expected to attend all classes in which you are registered. An instructor may determine and include in the syllabus an attendance policy appropriate to the particular course.

## Recording Lectures

Electronically recording lectures or any other classroom or academic activity is not allowed, unless permission is granted by the instructor prior to the event. Each instructor's decision is final.

## Program Information

### Program Time Limits

The following time limits apply to the completion of degree and diploma programs at Ambrose:

- 4-year degree must be completed within 8 years
- 3-year degree must be completed within 6 years
- 2-year diploma must be completed within 4 years

### Change of Program

To transfer from one Ambrose University degree program to another, you must submit a Change of Program Application, attain a cumulative GPA of 2.0 or higher, meet any applicable program admission requirements and receive the approval of the Registrar. Some degree program changes also require approval from the faculty. You should be aware of differences in core courses and program requirements before you transfer from one program to another and we advise you to consult the Finance Office concerning your student loans before submitting your Change of Program Application.

When you switch programs, any completed courses that satisfy your new program's requirements will be applied to the new program. Be aware that transferring to a new program may extend the time needed to complete your degree, especially if you haven't completed the new program's core or prerequisite courses. If you have completed relevant course work at other institutions, it will be re-evaluated for transfer credit in light of the new program requirements.

### Minors

Minors provide an opportunity to study a second discipline as a complement to your major or concentration. Minors are especially useful for students considering careers in education, communications, business, the social sciences, the natural sciences, history, general studies, Christian ministry or for students enrolling in graduate programs.

Minors do not feature on your degree parchment, but they are recorded on your transcript. To earn a minor in any discipline, you must earn a minimum cumulative GPA of 2.0 in all minor courses.

To gain admission to a minor in any discipline, fill out the Application for Minor form. A minor cannot be earned by students in a diploma or certificate program. Multiple minors are allowed provided that the requirements of each minor are fulfilled.

### Earning a Second Degree

To earn a second degree you must submit a Second Degree Application to the Office of the Registrar. A second degree will be granted under the following conditions:

- you have met the admission requirements of the second degree program;
- your second degree is in a different area of study than your first degree;
- you meet all of the stated degree requirements for the second degree;
- at least 30 credit hours of work at Ambrose University towards your second degree has not been applied to the first degree, with at least 21 of the 30 credit hours completed at the senior level.

Ambrose University does not admit its graduates to the same degree a second time.

### Earning a Double Major

You can earn a double major by fulfilling all the major requirements of both programs as listed in the Academic Calendar. You may count courses to fill program requirements in both majors, but the required number of credits in both majors must still be completed. Please note that while you may earn two majors, only one degree will be granted. It is also important to note that Ambrose University cannot guarantee that course sequencing and timetabling will accommodate all the requirements of a double major within four academic years. In addition, be aware that meeting the requirements of both major programs could require completion of more than 120 credits.

### **Earning a Double Concentration**

You may earn a double concentration by fulfilling all the concentration requirements of both programs as listed in the current Academic Calendar. While you may earn two concentrations, please note that only one degree will be granted. It is also important to note that Ambrose University cannot guarantee that course sequencing and timetabling will accommodate all the requirements of a double concentration within three academic years. In addition, be aware that meeting the requirements of both concentrations could require completion of more than 90 credits. General Studies is not available as part of a double concentration.

### **Upgrading a Concentration to a Major**

You may upgrade an Ambrose-granted three-year concentration degree to a four-year major by fulfilling the remaining requirements of the four-year major. When you complete the four-year major the three-year concentration degree will be rescinded.

### **Registration**

Registration is the process of selecting and enrolling in classes for upcoming semesters. You must make a \$250 non-refundable deposit before registration. This deposit will be applied toward tuition fees for the current academic year. The deposit must be paid in the first semester in which you are registered, either in the Fall or Winter semester. You become registered in a class only after the non-refundable deposit is received and your registration is submitted through the Student Portal. Only students who are registered will be permitted to attend class and receive a grade for the course. All registration for courses must be submitted through the Student Portal. If the class is full, you will be notified through the Student Portal that you are on the waitlist for that class. If a spot becomes available in the class, you will be notified through the Student Portal and you will have the option of accepting the registration at that time.

### **Course Selection**

You are responsible for ensuring that the courses you take are appropriate for your program, that they do not have any scheduling conflicts, that they have the necessary prerequisites and that they meet all degree requirements. Information about course prerequisites may be found in the Course Descriptions.

Not all courses are offered every year, so select your courses carefully. Check the course description to see how often a course is offered.

You will be assigned a faculty academic advisor who will assist you in understanding academic requirements and course selection. You are strongly encouraged to meet with your advisor early and often in your academic career. Additional assistance may be obtained from the Office of the Registrar.

A Degree Audit is available to you through the Student Portal, which outlines your requirements and is updated automatically as your progress in your program.

### **Directed Study**

A Directed Study is a privilege whereby you may attempt a course which is either not currently offered, or is offered but for which you cannot register due to unavoidable circumstances. An application for a Directed Study must be approved by the appropriate Academic Dean and the Registrar.

Directed Studies will be considered under the following conditions:

- your cumulative GPA is 2.0 or higher;
- the course is a required course in your degree program (elective courses are not normally eligible for Directed Study); and
- the course has been unavailable to you due to unavoidable circumstances.\*

\* By this it is meant that (a) the course has not been offered; (b) you have not had the necessary course prerequisites; or (c) you have or have had an unavoidable scheduling conflict between the required course and another course necessary for the degree program. Scheduling convenience and work or personal conflicts do not constitute adequate grounds for a Directed Study application.

To undertake a Directed Study, you must submit a completed application form to the Office of the Registrar by 4 pm on the Wednesday of the second week of classes in which the Directed Study will be attempted. The Directed Study course will not be officially registered until all necessary approvals, signatures and a course syllabus have been obtained.

### **Independent Study**

An Independent Study is an individual research project which investigates an area or topic not treated extensively in a regular course. It is to be designed in consultation with the instructor who supervises the Independent Study. This option is limited to third or fourth year degree students whose cumulative GPA in their major field is 3.0 or higher.

To undertake an Independent Study, you must submit a completed application form to the Office of the Registrar during the first week of the semester in which you will attempt the Independent Study. The course will not be officially registered until all necessary approvals, signatures and the course syllabus have been obtained.

Directed Studies and Independent Studies are only open to Ambrose students who are enrolled in a degree program.

### **Auditing a Class**

You may audit individual classes with the approval of the Registrar, in consultation with the course instructor. You must attend class but will not be required to complete assignments. No credit is granted for such courses. Your assignments and exams will not be graded, although reading may be required. If you do not attend an audited class regularly, an audit-fail (AUF) final grade will be assigned. Audit courses will be noted as such on your transcript. If you take 15 or more credit hours in any semester you may audit one class free of charge in that semester, subject to the approval noted above. To audit a class, submit a *Request to Audit* form to the Office of the Registrar.

### **Course Overloads**

The Registrar may grant approval of loads in excess of 16.5 credit hours per semester to students who have demonstrated superior ability. Your cumulative GPA will be a factor in determining permission to exceed this limit. To request approval for an overload, submit a Request for Course Overload form to the Office of the Registrar.

### **Registration Period**

Once you are admitted to an Ambrose program you may register for courses through the Student Portal after the official Course Offerings schedule is published for the semester. If you want to register for a course without being admitted to a program, submit a Registration Form for Individual Courses to the Office of the Registrar.

Once you are admitted to Ambrose, you'll be sent a username and password for the Student Portal, enabling you to log in and submit your registration through the portal. If you do not receive your login information, contact the Ambrose IT Helpdesk to arrange for a username and password. Prior to the Registration Revision deadline, we cannot accept revisions by phone or email.

Changes to the course schedule, including cancellation of classes, may be made without prior notice. If a change is made, your timetable will be amended accordingly and you will be notified by email.

### **Registration Revision Period**

During the Registration Revision Period you may add, drop or change a course from credit to audit through the Student Portal with no academic or financial penalty. You are responsible for any change of registration made necessary by final grades at the end of a semester. Please consult the Academic Schedule for specific dates for regular semester courses. For courses that do not follow the regular semester format, please contact the Office of the Registrar.

### **After Registration Revision Period**

You may withdraw from courses with financial penalty (no refund of tuition). If you withdraw from a course, a grade of 'W' will be recorded on your transcript. Withdrawal from a course must be requested by the final date to withdraw, which is noted in the Academic Schedule. No tuition refunds are granted for any course changes. You may not add courses to your current term schedule. You may not change from credit to audit.

## **Repeating Courses**

You may repeat a course only once, unless special permission is granted by the Registrar for a third attempt. When a course is repeated, it will be entered a second time, along with the new grade, on your transcript. This new grade will be used to calculate your cumulative GPA and the original attempt will appear with the final grade 'FR' (failed, repeated) or 'R' (passed, repeated), as appropriate. Should permission for a third attempt of the same course be granted the earned grade on the second and third attempts will show on the transcript and be used in the calculation of the grade point average (GPA).

## **Withdrawal from Courses**

If you intend to withdraw from a course after the Registration Revision Period, you must apply through the Office of the Registrar by submitting a *Withdrawal from Course* form.

A grade of 'W' will be recorded on your transcript for any withdrawal from courses, regardless of cause, that you make after the end of the Registration Revision Period and before the Withdrawal Deadline (also noted in the Academic Schedule). 'W' grades are not included in grade point average calculations.

If you are obliged to withdraw from a course after the withdrawal deadline because of health or other reasons beyond your control, you may apply to the Registrar for special consideration. For modular courses, the withdrawal deadline is before 1 pm on the first day of class.

## **Withdrawal from Ambrose**

To withdraw from Ambrose University, you should ensure you are not registered in classes and notify the Office of the Registrar. The Finance Office is able to make monetary adjustments to your account only if you are eligible for a refund and only after receiving notification. See Financial Information for further details.

## **Failure to Withdraw**

You are liable for tuition and fees for all courses in which you are registered. If you register and decide not to attend, but do not cancel your registration during the Registration Revision period, you will be charged tuition and compulsory fees according to the Ambrose University fee assessment schedule listed under Financial Information. If you intend to withdraw from a course, but fail to do so by the applicable date, you will receive the grade you earn in the class, in accordance with the course syllabus.

## **Transfer Credit**

### **New Students**

You may receive transfer credit for previous post-secondary studies at recognized institutions. The Office of the Registrar will evaluate your transfer credit once you are admitted to a particular degree program and only after your official transcripts have been sent directly to Ambrose from the institution where the credits were earned. If your transcript is in a language other than English, it is your responsibility to provide Ambrose University with an official English translation of the transcript.

To be considered for transfer, a course must be equivalent or near to the equivalent of a degree requirement, or fit within the maximum number of elective credits allowed in the particular degree program selected. Practicum, Internship and Mentoring courses are not eligible for transfer into an Ambrose program.

You may register for courses before we complete any necessary transfer credit evaluation. However, you may miss out on transfer credit by doing so. Credit can be granted only once for similar course work, so you could end up registering and being required to pay for a course that would have been unnecessary if we had known that you could be offered transfer credit instead. Therefore, we advise you to register after your transfer credit evaluation is complete.

### **Reasons Transfer Credit May be Denied**

- The courses are not appropriate for your chosen Ambrose program
- You have completed more junior-level courses than your chosen program permits
- You have been taken more transfer courses than the maximum allowed by the program
- The course does not meet the minimum grade requirement for transfer courses
- The institution where the course was taken does not meet accreditation standards for transfer credit
- The course is a Practicum, Internship and/or Mentoring course

*See Conditions of Transfer below for more detailed information.*

### **Current Students**

With a Letter of Permission, degree-seeking students may take courses at other properly accredited institutions for transfer into a degree program. Such permission is subject to approval by the Registrar. You can request a Letter of Permission through the Office of the Registrar. In order to meet approval for a Letter of Permission, you must have earned at least 15 credits at Ambrose, with a CGPA of 2.0 or higher. If you are currently under Academic Probation you are ineligible for Letters of Permission. Without special permission, you cannot take more courses as a visiting student in a regular semester than the number of credits you are taking at Ambrose University in a regular semester. You must observe our residency and graduation requirements if you plan to graduate from Ambrose University. Once you receive a final grade for a course taken at another institution, you must request that an official transcript be sent directly to the Office of the Registrar.

### **Conditions of Transfer**

Applicants wishing to transfer credits should take note of the following:

- You must have earned a grade of not less than C (according to the Ambrose grade scale) in all courses for which transfer credit is desired;
- You must complete a minimum of 45 credits at Ambrose University for all three-year degree programs and 60 credits for all four-year degrees;

- You will not be permitted to complete courses at another institution during your final semester of study;
- Transfer credit cannot be applied to the University Studies Diploma or Associate in Ministry diplomas;
- Transfer credit may not exceed half of the disciplinary courses in any Arts and Science degree program;
- All transfer credit evaluations are program specific. A change of degree program may therefore result in changes to transfer credits awarded;
- Grades from transfer credits are not noted on transcripts and are not considered when calculating your GPA or cumulative GPA;
- Credit is given for courses taken at accredited academic institutions provided such courses meet degree requirements, subject to certain limitations.

### **Alberta Council on Admissions and Transfer (ACAT)**

Ambrose is a partner institution of Alberta's articulated transfer system and fully supports ACAT's mandate to ensure transferability of courses and programs within the province to the benefit of students. Ambrose University has formal agreements for transfer with other institutions in Alberta which may be found on the ACAT website: [www.transferalberta.ca](http://www.transferalberta.ca).

### **International Baccalaureate (IB) and Advanced Placement (AP)**

Transfer credit may be given for International Baccalaureate (IB) or Advanced Placement (AP) courses taken in high school. Students who have earned IB or AP credits will be evaluated individually to determine what credit, if any, they may receive. For IB, only Higher Level courses with a grade of 4, 5, 6 or 7 will qualify for evaluation. AP grades of 3, 4 or 5 will qualify for evaluation. The application of transfer credit requires the submission of official IB or AP transcripts sent directly to the university.

### **College Level Examination Program (CLEP)**

Transfer credit may be given for CLEP examinations, administered by The College Board in the USA. Contact the Office of the Registrar for further information.

### **Capernwray Prior Learning Credit**

If you have completed Capernwray studies, a limited number of credits may be awarded as Prior Learning and Recognition (PLAR) credit, depending on the program you are applying to enter at Ambrose. Please contact the Office of the Registrar for further information.

### **Transcripts**

Student academic history records, known as transcripts, are maintained by the Office of the Registrar. All matters relating to courses, grades, academic standing and probation will appear and remain permanently on your transcript. Partial transcripts will not be issued.

You are responsible for ensuring the accuracy and completeness of your transcript. Queries regarding errors or omissions must be made as soon as possible.

### **Official Transcripts**

Official transcripts bear the signature of the Registrar and the University seal, and are printed on security paper. They are issued by the Office of the Registrar.

Official copies of your transcript will be provided upon written request from you, but only when all of your fees and outstanding amounts have been paid in full. Official transcripts may be issued to you personally or to an institution you designate in writing. Graduated students are eligible for two free copies of their official transcript, sent to the institution or to an individual of their choosing.

You may request copies of your Official Transcript using the Official Transcript Request Form. Return the completed form to the Office of the Registrar either in person, by regular mail, by fax or as a scanned attachment emailed to [registrar@ambrose.edu](mailto:registrar@ambrose.edu). Transcripts cannot be issued on the basis of a telephone or email request. You must fill out the form because your signature is required to authorize the request.

A fee is charged for each transcript provided and you must pay this fee at the time of the request. The current cost of transcripts is available in the Financial Information section. Optional courier delivery is available for an additional charge. Rates vary according to destination.

Official transcript requests are usually processed within 5 business days but may be up to 10 business days during peak academic seasons from the time of the request, provided the student's account has been paid in full and payment received. Incomplete forms may result in a delay in processing. Requests are processed in the order in which they are received.

### **Unofficial Transcripts**

Unofficial transcripts are similar in content to official transcripts; however, they are not printed on security paper and do not bear the Registrar's signature or the University seal. Current students may access and print unofficial transcript through their Student Portal.

Please note: As part of the admissions transfer credit process we may collect transcripts from other institutions and keep them on your student file, but legally we cannot release transcripts from another institution.

### **Withholding of Documents**

If there is any outstanding indebtedness to Ambrose University, degree parchments, official transcripts, and any other documents will not be released until such matters have been cleared with the Finance Office.

### **Time Extensions**

All course requirements and due dates will be defined in course syllabi. If you are unable to complete individual assignments by their due dates you may request a time extension from the course instructor. Time extensions granted by the instructor may not extend beyond the last day of the semester's exam period.

If you are unable to complete your course work prior to the end of the semester, due to circumstances beyond your control, you may apply for an extension using the Extension Request Form. Your application will be reviewed by the Registrar, together with the instructor.

Normally, Time Extension Applications will be considered only when all of the following conditions are met:

- the quality of prior course work has been satisfactory;
- circumstances beyond your control, such as an extended illness or death of a family member, make it impossible for you to complete the course work on time; and
- you submit an Extension Request Form to the Registrar on or before the deadline specified in the Academic Schedule.

If granted, time extensions do not excuse you from a final examination where one has been scheduled for the course.

A temporary grade of TX will be assigned until a final grade is submitted in accordance with the new deadline. A final grade of F will apply to:

- all course work submitted after the end of the semester unless a time extension has been granted; and
- all course work submitted after the revised due date provided by an approved extension to coursework.

## **Final Examinations**

### **Scheduling of Final Examinations**

The dates for Final Examinations are noted in the Academic Schedule. Students and instructors must be available for examinations up to the last day of the examination period. You are advised not to make travel plans outside of Calgary before the end of the Final Examination Period. The Examinations Timetable for Fall and Winter semesters will be published mid-September and mid-January. Final examinations must be taken at the time specified in the official Examinations Timetable.

### **Re-scheduling Examinations**

If you need to write a final examination at a time other than the scheduled final examination, and you meet the criteria below, you must file a Final Exam Request form with the Registrar's Office. This date is noted in the Academic Schedule.

Such a request will normally only be considered in one of the following circumstances:

- The scheduled final examination slot conflicts with another examination; or
- The scheduled final examination slot results in three consecutive examination periods.

*Travel plans will not be considered an appropriate reason to request a revised final examination.*

If you miss a final examination due to unforeseen circumstances, you must apply for a deferred final examination within 48 hours of the missed examination.

If you are prevented from writing a final examination by illness or other extreme circumstances, you must apply to the Registrar for an alternate examination timeslot. Individual examinations are scheduled by the Registrar. All requests for deferral of a final examination due to health reasons must be accompanied by a letter from a physician.

Late applications for a re-scheduled examination due to examination time slot conflicts will be accepted.

### **Final Examination Papers**

After grading, all final examination papers will be retained for a period of six months after the release of official grades. During this time, you may request to see your final examination for educational purposes. You will not, however, be permitted to remove or copy your examination papers. After six months, all final examination papers, as well as any unclaimed assignments, will be destroyed.

## Final Grades and Grade Point Averages

### Grade Reports

Upon completion of each semester, you may view grades for courses in which you were officially registered through your Student Portal. You are responsible to ensure the accuracy of this information.

### Grade Point Averages

Satisfactory progress toward completion of a degree program is judged on the basis of cumulative grade point average. The grade point average (GPA) is calculated on a semester basis by adding the quality points earned in each course and dividing by the number of credit hours in which you are enrolled. Pass/fail credit hours are not used in calculating GPA or cumulative GPA. Similarly, grades from transfer credits are not considered when calculating your GPA or cumulative GPA.

The cumulative GPA is the average calculated by adding the total quality points you have earned in all courses and dividing the total by the sum of all attempted credit hours in which you have been enrolled at Ambrose University.

### Letter Grade and Grade Point Average

The grading system used at Ambrose University is the Alberta Common Grading Scale, also known as the Alpha 4.00 Grading Scale. Grades have the following meanings:

Grade	Interpretation	Grade Points
A+	Excellent	4.00
A		4.00
A-		3.70
B+	Good	3.30
B		3.00
B-		2.70
C+	Satisfactory	2.30
C		2.00
C-		1.70
D+	Poor	1.30
D	Minimal Pass	1.00
F	Failure	0.00

AE	Aegrotat	No grade points
AU	Audit	No grade points
AUF	Audit-Fail	No grade points
FR	Failed-Repeat	No grade points
P	Pass	No grade points
R	Repeat	No grade points
TX	Time Extension	No grade points
W	Withdrawal	No grade points

Because of the nature of the Alpha 4.00 system, there can be no uniform university-wide conversion scale. The relationship between raw scores (e.g. percentages) and the resultant letter grade will depend on the nature of the course and the instructor's assessment of the level of each class, compared to similar classes taught previously.

### Aegrotat Grade

The Academic Affairs Committee may authorize a final grade of 'Aegrotat' when course requirements are not met due to prolonged illness or other circumstances beyond a student's control.

### Deans' List

The Deans' List recognizes superior academic achievement. Deans' List achievements at Ambrose will be recorded each semester on the student's official transcript. Students in the Bachelor of Education After-degree program are not eligible for Deans' List.

At the end of each academic semester, the Vice President, Academic Affairs of Ambrose publishes a list of students who have earned at least a 3.50 GPA during the preceding semester on a minimum of 12 graded credits at Ambrose University. This applies to students in degree programs only. Students with incomplete grades are not eligible for Deans' List.

### **Appeal of Final Grades**

You are responsible for ensuring the accuracy of information on your transcript. An appeal for change of final grade on any course must first be made to the course instructor within one week of receiving notification of the final grade.

In the event that the instructor chooses not to change the final grade, you can complete an application through the Office of the Registrar within 30 days of receiving notice of the final grade to have the grade appealed. If the registrar feels there is a case for further review, the registrar will contact the chair to review the application information. The chair can defer to the dean if they feel it is necessary or if there is a conflict. The chair will make a decision on the final grade. If you are not satisfied with the decision of the chair, for a fee, the application will be reviewed by the Academic Appeals Committee. The decision of the Academic Appeals committee is final. If the appeal is successful, the fee will be reimbursed.

### **Academic Misconduct**

Academic misconduct is taken seriously at Ambrose University as it undermines our academic standards and affects the integrity of each member of our learning community.

#### **Academic Dishonesty**

Academic dishonesty is defined as any attempt to obtain credit for academic work through fraudulent, deceptive or dishonest means.

#### **Cheating**

Cheating is a serious form of academic dishonesty.

Cheating includes, but is not limited to:

- sitting for an examination by surrogate or acting as a surrogate;
- tampering or attempting to tamper with examinations, grades or class records;
- communicating with another student during an examination in a dishonest way;
- bringing into an examination any textbook, note book, paper, information or electronic device not authorized by the instructor or examiner;

- consulting any person or materials outside the examination room without permission to do so;
- attempting to read other students' examination papers, or allowing another student to read an examination paper.

### **Plagiarism**

Plagiarism involves presenting someone else's ideas, words or work as one's own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to give credit to another person's ideas or words.

Plagiarism includes, but is not limited to:

- submitting work previously submitted in another course without the consent of the instructor;
- representing the words, ideas or work of another as one's own in any academic exercise;
- conducting any act that defrauds the academic process.

Nearly all forms of plagiarism can be avoided by giving credit to others whenever using:

- another person's idea, opinion or theory;
- any facts, statistics, graphs, drawings, i.e., any pieces of information that are not common knowledge;
- quotations of another person's actual spoken or written words;
- a paraphrase of another person's spoken or written words.

### **Penalties and Procedures for Academic Dishonesty**

If an instructor finds sufficient evidence of academic dishonesty on your part, you will be subject to penalty. Any form of academic dishonesty may result in a zero grade on the assignment, loss of credit in that course, suspension or other administrative action. Where there is reason to believe you are in violation of an academic standard outlined in the academic policies, the following process will be in effect:

Normally, the respective faculty member will deal with the matter, although the Academic Dean may be involved at the request of the faculty member. Faculty members have the authority and responsibility to assess penalties for academic dishonesty, which will normally be an 'F' on the work so compromised.

In any event, the matter will be reported to the Dean, and a written record will be kept of the violation in your permanent file. The Dean has the authority to impose any penalty considered appropriate for the infraction. The most severe penalty imposed will be a recommendation to the President that you be dismissed from the University.

If your case has been referred to the Dean by your instructor, you may appear before the Dean to present your case. Whenever you appear to present your case before an individual or committee, you may bring one other person who is able to support you. However, this person may not be professional legal counsel.

### **Credential Rescission**

If Ambrose determines that credential rescission is warranted due to fraudulent documentation, the Dean (or designate) of the appropriate Faculty may make the recommendation for rescission to the Vice-President, Academic Affairs. The original conferring of a degree, diploma or certificate may be permanently deleted from the student's academic record. A notation of "<Degree/Diploma/Certificate> Rescinded" and the date of rescission will appear permanently on the student transcript.

## **Academic Standing**

### **Academic Probation**

If you fail to meet a minimum 2.0 cumulative GPA in a semester, you will be placed on Academic Probation. The probation will apply to the next semester in which you are enrolled. While on Academic Probation you may not participate on intervarsity athletic teams, in student government or represent Ambrose University in extracurricular groups. Other restrictions, such as a limited course load, or completion of a learning contract may be imposed. Be aware that Academic Probation is noted permanently on your transcript.

### **Academic Suspension**

If, while on Academic Probation, you do not meet the relevant minimum performance level in the semester in which probation occurs, you may be suspended from further studies at Ambrose University. Be aware that Academic Suspension is noted permanently on your transcript. While under Academic Suspension you must remain out of Ambrose University for at least one year from the date of suspension. You may apply for readmission after one year of absence, provided you have enough course attempts remaining to satisfy the program requirements with an overall GPA of 2.0. See the Admission section for information on the readmission process. When you apply for readmission, in addition to meeting all readmission requirements, you must provide evidence of a changed approach to studies at Ambrose University.

### **Procedures for Appeal**

You have the right to appeal a decision made in response to academic dishonesty, academic probation or suspension from Ambrose University on the following grounds:

- there is evidence available that was not considered in the decision;
- there is evidence of prejudicial treatment in the decision; or
- the appropriate process, as outlined in the Academic Calendar, was not followed.

The decision of a faculty member or of an Academic Affairs Committee may be appealed to the Academic Appeals Committee of the General Faculties Council using the appropriate form. You must make this appeal in writing within seven days of having been informed of the decision, stating the basis on which the appeal is warranted. The decision of the Academic Appeals Committee is final.

## Graduation

On the recommendation of the faculty, degrees and diplomas are conferred by the President of Ambrose University at a spring Convocation of the faculty, alumni, graduands and their guests.

## Graduation Application

To receive a degree you must submit a Graduation Application form to the Office of the Registrar no later than the date noted in the Academic Schedule.

A Graduation Application fee of \$125 must accompany the application. Applications received after the deadline may be accepted for consideration or they may be held until the next convocation ceremony. Those that are accepted will be charged a late fee of \$100 in addition to the graduation fee.

The Graduation Application form alerts the Office of the Registrar to review your academic record and recommend that the President grant your degree. If you want to graduate you must, therefore, complete the Graduation Application form by the prescribed deadline and pay the Graduation Application fee, even if you do not plan to attend the convocation ceremony.

Former students cannot apply to graduate with a degree which is no longer offered. You must be admitted into and graduate from a current Ambrose University program.

If you plan to apply courses taken at another institution toward your degree, and you have not yet been granted transfer credit for those courses, you must list them on your Graduation Application form. To receive transfer credit, you must provide official transcripts showing suitable final grades (as defined in the Transfer Credit section of this Academic Calendar) to the Office of the Registrar no later than one month prior to convocation. You are responsible for having official transcripts from other institutions sent directly to the Office of the Registrar.

If you fail to submit your official transcripts before the prescribed deadline, you cannot expect to have your name added to the graduation list or to be recommended for your degree until the following convocation.

When completing degree requirements in spring session, summer session or fall session, you will not receive your degree prior to the following convocation. However, at your request, the Office of the Registrar can issue an official letter indicating that you have completed all of the academic degree requirements of your program.

## Graduation Requirements

You alone are responsible for meeting all applicable requirements for graduation. To be considered eligible for graduation, you must meet all of the following requirements:

- Your degree program requirements, as outlined in the Academic Calendar in effect at the date of registration in the program (or readmission to the program), must be completed satisfactorily. Academic credit may be earned at Ambrose University and may include transfer credit consistent with Ambrose University policy;
- A minimum of 45 credits for all three-year degree programs and 60 credits for all four-year degree programs must be completed at Ambrose University;
- Your minimum cumulative GPA must be 2.0, including a GPA of not less than 2.0 in all disciplinary requirements;
- Graduation from Ambrose University is based on the final overall CGPA, which is calculated by dividing the sum of all quality points achieved (and applied to a program credential) by the sum of all those credits.
- All music students must be working at a minimum of Grade Nine level in piano, or Grade Eight for any other instrument (based on RCM grades). In addition, all non-keyboard music students are required to pass a piano proficiency examination (Grade Four, RCM) or successfully complete two terms of applied piano studies;
- Your completed Graduation Application form must be submitted to the Office of the Registrar by the deadline listed in the Academic Schedule;
- Your graduation application fee must accompany the application;
- You must be approved for graduation by vote of the appropriate faculty.

### **Outstanding Accounts**

If you owe the University any fees, fines or other charges you will not be permitted to graduate, which means you cannot participate in ceremonies, will not be listed in the convocation program and will not receive official transcripts or a degree parchment.

The deadline to clear all outstanding accounts in order to be permitted to graduate is two full weeks prior to the convocation ceremony.

### **Academic Attire**

Gowns: Bachelors' gowns follow the black gown specified by the North American Intercollegiate Code.

Hoods: The colours relevant to specific disciplines are:

- Bachelor of Arts – white
- Bachelor of Business Administration – drab
- Bachelor of Education - blue
- Bachelor of Music – pink
- Bachelor of Science – gold
- Bachelor of Theology – scarlet

Headwear: Bachelors' headwear is the black mortarboard or trencher-type.

### **Graduating In Absentia**

If you plan to miss the graduation ceremony, you still need to complete the Graduation Application form by the prescribed deadline and pay the Graduation Application fee in order to graduate. Your degree parchments will be mailed to you.

### **Degree Parchment**

It is Ambrose University policy to use the full legal registered name of students on the degree parchment. Changes in name must be supported by legal documentation. Minors and approved concentrations will not be indicated on your degree parchment, but will be noted on your official transcript.

### **Replacement Degrees**

If your degree parchment gets damaged, lost, stolen or destroyed, or if you request a legal name change, Ambrose University will issue a replacement degree parchment for a fee of \$75. You are responsible to pay any additional costs for courier service, insurance or other delivery options. A replacement parchment will not be issued if you have an unpaid student account.

A Parchment Replacement Request form is available on our website. All replacement degree parchments will be marked "duplicate," with the date they were reprinted. Replacement degrees usually will not have original signatures.

### **Honours Designation**

Baccalaureate degree students will graduate with Honours if their cumulative GPA meets these minimum standards:

- |                   |             |
|-------------------|-------------|
| • Summa Cum Laude | 3.85 – 4.00 |
| • Magna Cum Laude | 3.65 – 3.84 |
| • Cum Laude       | 3.40 – 3.64 |

A limited number of undergraduate ministry degree graduates (up to 7% of the class) may be inducted into membership in Delta Epsilon Chi, the International Honour Society of the Association for Biblical Higher Education. One member of the Alumni Association of Ambrose may also be inducted into this society annually as an honorary member.

Up to 15% of the Arts & Science graduates may be inducted into membership in the Phi Delta Lambda Honour Society.

# Course Descriptions

## Alternative Course Formats

Most Ambrose University courses are offered in a semester-long class format, appropriate for the majority of full-time and part-time students. It is not possible, therefore, to complete an Ambrose University degree entirely or even substantially through alternative course formats. However, a limited number of classes are offered regularly in alternative formats. The following alternative course format opportunities are available:

### Modular/Weekend Courses

All class sessions are condensed into either a one-week period or spread over a number of weekends, with additional course work completed later. Module courses are offered in this format on campus during the winter, fall and spring semester breaks.

### Online Courses

Alliance History and Thought (HI 362/REL 362) is offered in an online format every winter semester. The course is restricted to a class maximum of 20 students. All registration and payment deadlines are identical to regular semester classes.

### Hybrid Courses

Hybrid courses exemplify a “blended” model, where part of a course is delivered in a face-to-face context, and part of it is delivered in an online (synchronous or asynchronous) manner.

### Evening Courses

Evening courses are designed for the convenience of students from the Calgary region. Several courses are offered each semester during the time frame of regular semester classes, in three hour blocks of time, one evening each week. Evening courses are usually scheduled Monday to Thursday between 6:30 and 9:30 pm. All registration and payment deadlines are identical to regular semester courses.

## General Course Information

The following pages contain brief descriptions of the courses taught at Ambrose University. Not all courses are offered every academic year. Core courses are taught yearly, others on a two-year cycle and some offered occasionally.

When specified, some courses cannot be taken unless certain prerequisites have been taken. These prerequisites are stated at the end of the course description. A passing grade will be required in order for a course to meet the requirements of a prerequisite. Students should consult the class schedule for the upcoming semester when selecting courses. Registration is completed through the Student Portal.

## Courses are numbered as follows:

### Junior-Level Courses

- 100-level courses are open to most students, have no registration restrictions, and normally should be taken during the student’s first year and before attempting higher numbered courses in the same area of study.

### Senior-Level Courses

- 200-level courses which generally require prerequisite(s)
- 300-level courses are not normally open to first year students and require prerequisite(s)
- 400-level courses generally are open only to upper-year students with relevant prerequisite(s)

## Course Credit

The credit value for each course is listed in parentheses beside the course name and number, e.g., (3). Where a lab or tutorial is required, a second number indicates the number of hours per week required in a lab setting beyond class hours. Thus, (3–3) means a course requires three hours per week in class and three hours per week in lab. Such a course would still have a credit value of 3.

## Course Frequency

The frequency of a course is indicated with a letter code listed after the credit value. Courses offered annually are indicated with an A, courses offered biennially (every other year) with a B, and occasional courses are indicated with an O.

*Ambrose University reserves the right to cancel or revise any of the courses listed or to withdraw for the semester any course for which there is insufficient demand.*

## Accounting

### **ACC 200 Introduction to Financial Accounting (3-1) A**

This course focuses on the accounting concepts and procedures involved in recording and reporting the organization and operation of business corporations. In addition to accounting principles, students also learn how to read and interpret financial statements.

*Prerequisite:* BUS 100

### **ACC 205 Introduction to Financial Accounting II (3-1) A**

This course builds on the concepts and skills learned in introductory accounting and prepares the student for the more conceptual approach required for Intermediate Accounting. Students learn to apply the accounting framework and further develop skills for recording transactions and events and analyzing financial statements. In addition, generally accepted accounting principles are introduced and applied. Topics include revenue recognition, long-term liabilities, partnership accounting, shareholders' equity, investments, notes to the financial statements, and the cash flow statement.

*Prerequisite:* ACC 200

### **ACC 210 Managerial Accounting (3) A**

Based on the concepts learned in ACC 200, this course explores the applications of accounting including information in the management context. Topics include: management planning and control, inventory and cost flow analysis, job order costing, standard costs and variance analysis, budgeting, break-even analysis, relevant costs and decision-making.

*Prerequisite:* ACC 200

### **ACC 301 Intermediate Financial Accounting I (3-1) B**

This course examines current conventional accounting standards with respect to asset and liability measurement and income determination with a particular emphasis on the asset side of the balance sheet. Specific topics include case, receivables, inventories, short and long-term investments, intangible assets and capital assets.

*Prerequisite:* ACC 200

### **ACC 302 Intermediate Financial Accounting II (3-1) B**

This course examines current accounting standards with a particular emphasis on the liability/equity side of the balance sheet and some specialized areas of financial statement presentation. Specific topics include short and long-term liabilities, statement of changes in financial position, pensions, leases, income taxes, earnings per share, and accounting changes and error corrections.

*Prerequisite:* ACC 200

### **ACC 310 Intermediate Managerial Accounting (3) B**

This course provides advanced coverage of managerial accounting concepts and the use of accounting information for management and decision making. Topics to be covered include accumulating and analyzing costs using various costing approaches and then, through case studies, exploring the application of cost data in areas such as strategy formulation, organizational performance evaluation, and pricing, revenue, and investment analysis.

*Prerequisite:* ACC 210

### **ACC 401 Advanced Financial Accounting (3) A**

This senior level accounting course analyzes the concepts and practices underlying financial reporting in complex areas such as business combinations and intercompany investments; joint ventures; translation of foreign currency transactions and financial statements; bankruptcy; partnerships; and nonprofit organizations.

*Prerequisite:* ACC 301 and ACC 302

### **ACC 403 Principles of Auditing (3) B**

Introduces students to the fundamental concepts and principles used by the Canadian auditing profession. It explores the role of the auditor, as well as the legal and ethical environment of auditing. In addition to examining the methods and procedures used in auditing and reporting with respect to financial statements, other topics to be covered include internal control and computerization, risk and materiality, and audit planning.

*Prerequisite:* ACC 301 and ACC 302

**ACC 425 Introduction to Taxation (3-1) B**

This course provides an introduction to personal and corporate Canadian income tax systems. The impact of taxes on business decisions will be examined. Students will be required to analyze personal and business tax problems and apply the concepts learned to resolve these situations.

*Prerequisite:* ACC 200

**ACC 495 Special Topics in Accounting (3) O**

Special studies in Accounting, as announced.

*Note: this course is normally taken by students who have completed at least 18 credits in BUS or ACC.*

**Art****ART 141 Drawing I (3-3) O**

This course covers the basic practice and theory of drawing in monochromatic media.

*Note: A lab fee applies to this course.*

*Class limit of 20 students*

**ART 143 Drawing II (3-3) O**

In this course, the fundamentals of Drawing I are built upon with the introduction of colour media.

*Note: A lab fee applies to this course.*

*Class limit of 20 students.*

*Prerequisite:* ART 141

**ART 200 Art History I (3) B**

This course provides a chronological and historical survey examining painting, sculpture, and architecture of Western cultures beginning with prehistory to the fifteenth century. This course will focus on significant developments in the visual arts and their connection to and reflection of the political, religious and social influences of the time. In addition, the course will consider how art can be interpreted through a Christian worldview.

**ART 201 Art History II (3) B**

This course provides a chronological and historical survey examining painting, sculpture, and architecture of Western cultures beginning with the Renaissance to the present day. This course will focus on significant developments in the visual arts and their connection to and reflection of the political, religious, and social influences of the time. In addition, the course will consider how art can be understood through a Christian worldview.

**Behavioural Science****BHS 240 Research Methods (3-3) A**

This course is an introduction to the concepts and processes of quantitative and qualitative research.

Research processes include problem definition, designing a study, selection and development of theory, literature review, data collection, interpretation and analysis of data, and writing the research report. Students will develop research skills through the practical application of material covered in class, in the text readings, and in weekly labs.

*Prerequisite: Math 30-1 or Math 30-2, PS 121 and SO 121*

**BHS 299 Special Topics in Behavioural Science (3) O**

Special studies in Behavioural Science, as announced.

*Prerequisite: Permission of the department*

**BHS 304 Behavioural Science Education Travel (3) O**

This course provides an introduction to international community development incorporating the disciplines of community psychology and the sociology of development. It involves pre-reading assignments as well as post-travel written assignments that allow students to apply both theoretical and practical understandings of international community development. The practical component of the course involves volunteering for two weeks at a Two-Thirds World site, where students learn about community development first-hand. One of the main aims of the course is to help empower students to contribute to positive social change in both local and international communities.

### **BHS 310 Quantitative Methods for Behavioural Science (3-3) A**

This course is designed to give students a basic understanding of descriptive and inferential statistics. Emphasis is placed on practical application and students will learn to analyze and interpret basic statistical research. They will also learn to use computer software (SPSS) to analyze data. Lecture and laboratory components. Class limit of 30 students.

*Prerequisite: BHS 240 or permission of the department*

### **BHS 320 Practicum 1 (3-1) A**

A supervised practical experience with a community or social agency closely related to the student's interest and/or future plans. Readings, written assignments and group meetings will help students reflect on and integrate knowledge with practical experience.

*Prerequisite: BHS 240. Restricted to students in BA: Behavioural Science (Concentration or Major) with a CGPA of not less than 2.0. Permission of the department required.*

### **BHS 330 Understanding Indigenous Knowledge in Post-Colonial Contexts (3) O**

An exploration of knowledge production in post-colonial and indigenous contexts and theology through lecture and field-based learning. Students will explore cultural, regional, and social influences on rival epistemologies and bodies of accepted knowledge.

*Prerequisite: REL 161 and PS 121 or SO 121*

*Note: This course is cross-listed as REL 330*

### **BHS 350 Shock Poverty (3) B**

Shock Poverty is defined as instantaneous in its occurrence and devastating in its impact. Shock Poverty can be viewed through two lenses: the global and the personal. What leads to each? How do they impact each other? Poverty is a major theme in Christian Scripture and it is on that base that poverty in the modern world will be examined. In class, through readings and reflection, we will consider the impact of poverty in our world, we will address the question of poverty elimination and consider the root causes of poverty.

*Prerequisite: Completion of 60 credits or permission of department*

*Note: This course is cross-listed as DVST 350.*

### **BHS 399 Special Topics in Behavioural Science (3) O**

Special studies in Behavioural Science, as announced.

*Prerequisite: Permission of the department*

### **BHS 400 Seminar in Behavioural Science (3) A**

An integrative capstone seminar based on the contributions of both sociology and psychology for understanding human behaviour. The course will integrate the method, academic content, and pragmatic application of those fields of knowledge to the social context of human behaviour and explore the ways this can lead to vocation and service in the world community. A variety of methodological, theoretical, and practical questions will be addressed.

*Prerequisite: Restricted to students in the BA: Behavioural Science (Concentration or Major) programs in their final 15 credits of study. Permission of the department required.*

### **BHS 404 Behavioural Science Educational Travel Study (3) O**

This course provides an introduction to international community development incorporating the disciplines of community psychology and the sociology of development. It involves pre-reading assignments as well as post-travel written assignments that allow students to apply both theoretical and practical understandings of international community development. The practical component of the course involves volunteering for two weeks at a Two-Thirds World site, where students learn about community development first-hand. One of the main aims of the course is to help empower students to contribute to positive social change in both local and international communities.

### **BHS 405 Special Topics in Behavioural Science (3) O**

Special studies in Behavioural Science, as announced.

*Prerequisite: Permission of the department*

### **BHS 410 Basic Multivariate Statistics (3-3) A**

Multivariate analysis as applied to behavioural science. Correlation, simple and multiple regression, discriminant function analysis, canonical correlation, factor analysis, theories and applications of behavioural measurement, reliability, and validity will be presented. Lecture and laboratory components.

*Prerequisite: BHS 240 and BHS 310*

**BHS 415 Advanced Qualitative Methods (3-1) B**

This seminar style course examines the basic techniques for collecting, interpreting, and presenting qualitative data, drawing on research methodologies in areas such as ethnography, grounded theory, case studies, interviews, and focus groups. Special emphasis is given to the epistemological and ontological undercurrents to qualitative research methodology, and "lived experience," or the process of humans constructing meaning through social interaction.

*Prerequisite: BHS 240 and 3 credits in Sociology at the 300-level*

**BHS 420 Practicum 2 (3-1) A**

A continuation of the supervised practical experience placement within a community or social agency related to the student's interest and/or future plans. Seminars will focus on the relationship between ethical issues and practical issues and models of ethical decision-making as related to the behavioural sciences.

*Prerequisite: BHS 240. Restricted to students in the BA: Behavioural Science (Concentration or Major) with a CGPA of not less than 2.0. Permission of the department required.*

**BHS 450 Intersections between Poverty and Government Policy (3) B**

This course will examine the intersection of social policy and government. Students will discover how governments work, the role of a lobbyist, how a law is formed, how a law is passed and what happens after the law is passed. The impact of a law, both positive and negative consequences, will be considered. The course will look at current Canadian social programs to determine if they empower people to move out of poverty. It will examine competing theories of anti-poverty and a range of approaches to research on poverty. Consideration will be given to welfare reform and alternative models such as Basic Income and Negative Income Tax. Students will visit the municipal council chambers to observe both council and standing policy committees. Finally, students will consider the structure of a National Poverty strategy.

*Prerequisite: Completion of 60 credits or permission of the department*

**Biochemistry****BCH 241 Biochemistry of Life Processes (3) O**

This course will cover the chemistry of biological compounds, including the structure and metabolism of carbohydrates, proteins and fats. This course is meant for students going no further in Biochemistry.

*Prerequisite: CHE 251 or CHE 253*

**BCH 297 Introduction to Biochemistry (3-3) A**

This course will encompass the structure and function of major biomolecules, such as carbohydrates, amino acids, proteins, lipids and nucleic acids, as well as energy transduction, enzyme mechanisms and regulation of metabolic pathways. The accompanying laboratory component will introduce some techniques commonly used in the study of biomolecules and enzymology.

*Prerequisite: BIO 131 and CHE 251*

**BCH 357 Chemical Pharmacology (3) B**

This course covers the physical and chemical properties of drugs, their biochemical and physiological effects, mechanisms of action, absorption, distribution, metabolism, elimination and adverse effects. With each classification of drugs covered, their mode of action, their clinical effects and side effects will be emphasized.

*Prerequisite: BCH 297*

**BCH 367 Laboratory Techniques in Biochemistry and Molecular Biology (3) B**

An introduction to the most common lab techniques used in biochemistry and molecular biology. The general purpose is to guide students through an array of crucial experiment protocols that will help them continue any lab work they choose to pursue in biochemistry and molecular biology.

*Prerequisite: BIO 131/133 and CHE 101/103*

**BCH 397 Advanced Biochemistry (3) B**

This course will discuss the current trends in biochemistry research and techniques through a seminar style using journal reviews and research papers. Students will be presenting several research papers as part of this course.

*Prerequisite: BCH 297*

## Biology

### **BIO 105 The Organization and Diversity of Life (3) A**

This course studies biological concepts and mechanisms using current examples from medicine and the environment.

*Note: Credit for this course cannot be applied to a Bachelor of Science Degree. Students cannot take both BIO 105 and BIO 131 or BIO 133 for credit.*

### **BIO 131 Introduction to the Cellular Basis of Life (3-3) A**

This course will cover the fundamental principles of cellular biology including organelle structure and function, metabolism, genetics, cell division, protein synthesis, and molecular biology of eukaryotic cells.

*Note: Students cannot take both BIO 105 and BIO 131 or BIO 133 for credit.*

*Prerequisite: Biology 30*

### **BIO 133 Introduction to Plant and Organismal Biology (3-3) A**

This course will comparatively survey the diversity of the major lineages of eukaryotic organisms – including vertebrate and invertebrate animals, plants, protists, and fungi. It will also discuss the ecological principles of organismal survival and interactions. Note: Students cannot take both BIO 105 and BIO 131 or BIO 133 for credit in one degree.

*Prerequisite: Biology 30*

### **BIO 211 Principles of Genetics (3-3) A**

This course examines the principles of heredity, Mendelian laws, as well as basic concepts of gene structure and function, gene regulation and genetic recombination. Principles from prokaryotes, eukaryotes and viruses will be explored. The accompanying laboratory component contains experiments and exercises to illustrate key genetic principles and genetics molecular techniques.

*Prerequisite: BIO 131*

### **BIO 213 Principles of Ecology (3-3) A**

The dynamics and maintenance of biological diversity are examined in terms of ecological processes, conservation of species, habitats, and evolutionary principles. Ecological principles and organism interactions at individual, population, community and ecosystem levels will be explored.

*Prerequisite: BIO 133*

### **BIO 231 Cellular and Molecular Biology (3-1) A**

This course examines the principles of cellular structure and function, molecular organization, regulation of cellular functions, as well as the interaction of cells with neighbouring cells and their environment.

*Prerequisite: BIO 131*

### **BIO 241 General Microbiology (3-3) B**

Microbiology explores the biology of microorganisms, namely viruses, bacteria, unicellular and microscopic multicellular eukaryotes. The course will review fundamental information about the biology of these organisms and will expand this knowledge base with microbial genetics, diversity and ecology. The field of applied microbiology will also be explored in topics regarding health, industry and the environment. The accompanying laboratory component will introduce a variety of laboratory techniques to identify microorganisms.

*Prerequisite: BIO 131 and BIO 133*

### **BIO 269 Nutrition (3) B**

This course covers the basics of nutrition, the processing of carbohydrates, fats, and proteins, vitamins and minerals, as well as discussing energy balance, fasting, and weight control.

*Prerequisite: BIO 133 or BIO 105*

### **BIO 301 Principles of Evolutionary Biology (3-3) B**

An introduction to the evolutionary processes that shape variation, within and between, populations and species. Topics include heredity, mutation, genetic drift, natural selection and adaptation, sexual selection, speciation, macroevolution, and implications for conservation and medicine. Instruction will consist of lectures and tutorials.

*Prerequisite: BIO 211 and BIO 213*

**BIO 310 Quantitative Methods for Biology (3-3) A**

This course is designed to give students a basic understanding of descriptive and inferential statistics. Emphasis is placed on practical application and students will learn to analyze and interpret basic statistical research. Topics include collection and presentation of data, descriptive statistics, introduction to probability theory, estimation, hypothesis testing, and linear regression. Students will also learn how to use computer software to analyze data.

*Prerequisite: Math 30-1*

**BIO 320 Bioethics (3) B**

This course examines the moral concerns related to a variety of health related sciences, research programs, and medical interventions. Issues to be examined include, but are not limited to, abortion, euthanasia, genetic engineering, stem cell research, reproductive technology, commodification of organs and body tissue, patient consent, and the distribution of scarce medical resources.

*Note: Bachelor of Science students may take this course for Science credit. Non-BSc students must take the course as PH 320.*

*Prerequisite: BIO 131 or BIO 133*

**BIO 327 Medical Genetics (3) B**

An exploration of the principles of genetics in human medical context. The topics include Mendelian and multifactorial inheritance, linkage and gene mapping, pedigree analysis, molecular basis of diseases and screening, cytogenetics and developmental genetics, genomic imprinting, population and cancer genetics, gene therapy, and ethical issues.

*Prerequisite: BIO 211*

**BIO 329 Molecular Genetics (3) A**

This course will study the structure of genes and the molecular mechanisms that regulate gene expression in prokaryotes and eukaryotes. Topics include gene and chromosome structures, DNA recombination and mechanisms of DNA replication and repair, transcription, post-transcriptional RNA processing, translation, and post-translational modifications. Students in this lecture-based course also learn the theory of basic molecular techniques, such as quantitative PCR and gene silencing.

*Prerequisite: BIO 211 and BIO 231*

**BIO 338 Developmental Biology (3-1.5) B**

An introduction to basic principles in vertebrate and invertebrate development. Students will study the intra- and intercellular processes that regulate cellular proliferation and differentiation. Topics include mechanisms controlling embryonic development, pattern formation, morphogenesis, and cellular differentiation in selected model organisms.

*Prerequisite: BIO 211, BIO 231 and BCH 297*

**BIO 339 Introduction to Biotechnology (3) O**

This course will introduce students to the field of biotechnology, including an overview of current techniques in the field, and their applications to cellular and environmental science.

*Prerequisite: BIO 211 and BCH 297*

**BIO 345 Research Methods in Biology (3-1) O**

An introduction to research in Biology with an emphasis on understanding the research process, including literature searches, experimental design, data collection, basic statistical knowledge, and its relationship to critical thinking.

*Prerequisite: BIO 131 and BIO 133*

**BIO 351 Conservation Biology (3) B**

This course will focus on applications of ecology to conservation and sustainability. Emphasis will be placed on human-environment interactions and their implications for biodiversity, natural resource management, and endangered ecosystems and species.

*Prerequisite: BIO 213 or BIO 133 and permission of the department*

**BIO 389 Field Course in Conservation Biology (3) O**

This 9-day course will introduce the students to several ecosystems within Costa Rica, including tropical rainforest, cloud forest, marine, and the transition zone in an active volcano zone. Students will work with researchers at Selva Verde Rain Forest Research Station, and with Park Rangers on service projects at Manuel Antonio National Park.

*Prerequisite: BIO 133*

**BIO 404 Biology Educational Travel Study (3) O**

This course is an educational travel study.

*Prerequisite: Permission of the department*

**BIO 425 Reading Course in Epidemiology (3) O**

Through case study work, textbook reading, and personal research, the student will learn about the spread and containment of disease, the role of epidemiology, and about the biology of several pathogens.

*Prerequisite: ZOO 263 (BIO 241 is recommended)*

**BIO 435 Current Topics in Biology (3) B**

In-depth analysis of current literature in biology.

Selected topics may include cellular and molecular biology, developmental biology, genetics, physiology, pharmacology, medicine, and ecology.

*Prerequisite: BIO 211, BIO 231 and BCH 297*

**BIO 445 Immunology (3-3) B**

This course will examine the body processes involved in the immune response.

*Prerequisite: BIO 241 and ZOO 263*

**BIO 455 Clinical Molecular Oncology (3) O**

This course will cover the manifestations of cancer types, the genetic factors that contribute to them, and the cellular response to those mutations. Cancer initiation and growth, as well as diagnostic techniques and treatments will be discussed on a biochemical, cellular, and genetic level.

*Prerequisite: BIO 211, BIO 231 and BCH 297*

**BIO 493 Independent Research Study in Biology I (3) A**

This course is a one-semester research project. Students will choose a research topic of choice, perform a literature review, perform scientific experiments, data analysis, and complete a research paper and presentation on the work.

*Prerequisite: 15 credits of relevant senior courses in Biology (BIO, BCH, ZOO)*

**BIO 495 Independent Research Study in**

**Biology I (3) A**

This course is the first course of a two-semester research project (fall and winter). Students will choose a research topic of choice, perform a literature search and literature summary before writing up a research proposal (identifying a new research question and describing an experimental protocol). Pilot experiments will be completed by the student. This will then be written up in the form of a proposal paper.

*Prerequisite: 15 credits of relevant senior courses in Biology (BIO, BCH, ZOO) and a minimum cumulative GPA of 3.0*

**BIO 497 Independent Research Study in**

**Biology II (3) A**

This course is the second course of a two-semester research project (fall and winter). Students will choose a research topic of choice, perform a literature search and literature summary before writing up a research proposal (identifying a new research question and describing an experimental protocol). Pilot experiments will be completed by the student. This will then be written up in the form of a proposal paper.

*Prerequisite: 15 credits of relevant senior courses in Biology (BIO, BCH, ZOO) and BIO 495 and a minimum cumulative GPA of 3.0*

**Botany**

**BOT 203 The Biology of Plants (3-3) O**

This course focuses on the plant-person interface, examining how plants have, are and will shape our lives and society. Through this lens students will explore plant biology (anatomy, morphology and physiology) and discover how plants fulfill their many roles in health, commercial products and the natural and urban environments.

*Prerequisite: BIO 133*

*Note: Credit in both BOT 204 and BOT 203 is not allowed.*

**BOT 204 Plants and People (3) B**

An introduction to plant sciences for non-science majors, with a focus on the relationship between plants and people. The course will examine the role of plants in current society and the influence of plants on the success, demise, and development of past societies. Topics to be covered will include introductory plant biology and the role of plants in food and agriculture, stimulation, medicine, hallucinogens, poisons, and decoration. This course will include a field trip component.

*Note: Credit in both BOT 204 and BOT 203 is not allowed. This course can fulfill a science requirement for non-science majors but cannot be used as science credit for science majors or minors. This course can only be used as an Open elective for science majors.*

**Business****BUS 100 Introduction to Business Administration (3) A**

This course provides an overview of business management and the business environment. It offers introduction to key functional areas in a business such as economic trends and business cycles, organization of business, human resources management, finance, and marketing. Emphasis is placed on how various functional areas are integrated to ensure a successful business operation.

**BUS 201 Business Communication (3) A**

This course focuses on communications in a business setting. Students will develop and strengthen their written and oral communication skills in preparation for their ongoing studies and careers. Students will also gain an understanding of the importance of communication skills in a business career. This is an experiential course where students will develop solid skills in writing, listening, problem-solving and presenting individually and within groups, both through digital and traditional media.

*Prerequisite: One of the following: BUS 100, BUS 305, DVST 305*

**BUS 210 Business Ethics and Corporate Governance (3) A**

This is a course in applied business ethics and corporate governance. As such, it takes concepts, theories, and moral philosophy and applies them to a broad range of issues encountered in the business context. Such issues may include: "whistle-blowing," advertising, employee treatment, insider trading and accounting practices, product liability, corporate social responsibility, and issues in international business. Strategies to develop ethical frameworks within businesses and good corporate governance practices are examined.

*Prerequisite: One of the following: BUS 100, BUS 305, DVST 305, PS 121*

**BUS 220 Finance (3-1) A**

This course examines the fundamental financial concepts including time value of money, cost of capital and capital structure, capital investment decisions, budgeting and financial planning, sources and forms of financing and business valuation.

*Prerequisite: One of the following: MA 110, MA 111, MA 149 and ACC 200*

**BUS 250 Organizational Behaviour (3) A**

This course introduces students to the theory of organizational behaviour (the study of people at work in organizations). It examines the behaviours of individuals working alone or in teams, and how organizations' characteristics, management practices and other factors influence this behaviour, and ultimately organizational effectiveness. It also examines the process of organizational change.

*Prerequisite: One of the following: BUS 100, BUS 305, DVST 305, PS 121*

**BUS 261 Global Business Practices (3) O**

This course provides a survey of business practices in various regions around the world, comparing and contrasting social and cultural differences that impact business interactions and cross-cultural communication.

*Prerequisite: Completion of 30 credits or permission of the department*

*Note: This course is cross-listed as DVST 261.*

**BUS 280 Marketing (3) A**

This course introduces the fundamental concepts and principles of marketing including topics such as analysis of customer behaviour, market segmentation and trend analysis. The 4 Ps (Product, Price, Promotion and Place) in the marketing mix will be introduced and various marketing strategies catering to different industries will also be examined by means of case studies.

*Prerequisite: One of the following: BUS 100, BUS 305, DVST 305*

**BUS 299 Special Topics in Business Administration (3) O**

Special studies in Business Administration, as announced.

*Prerequisite: BUS 100 and permission of the department*

**BUS 301 Intermediate Domestic Community Development (3) B**

This course provides a multi-disciplinary overview of domestic community development. It will address theories and strategies of domestic community development in a variety of domestic contexts, as well as the causes and consequences of poverty and lack of development in a Canadian context, such as low-income employment; lack of community engagement; inequitable access to financial services and resources; poor health and education; and hopelessness, among others. In particular, issues such as the failure to address poverty and its impact on local economies collective impact strategies, and engagement with non-traditional partners such as businesses and social enterprises will also be explored. Opportunities will also be provided to interact and collaborate with local community development organizations.

*Prerequisite: DVST 210*

*Note: This course is cross-listed as DVST 301.*

**BUS 302 Intermediate International Community Development (3) B**

This course provides a multi-disciplinary overview of international community development. It will address theories and strategies of community development using a variety of contexts in the developing world, as well as the causes and consequences of poverty such as: environmental degradation; insufficient food production; inequitable access to land and related resources; injustice; poor governance; civil war and other types of conflict.

*Prerequisite: DVST 210*

*Note: This course is cross-listed as DVST 302.*

**BUS 304 Business Travel Study (3) A**

This educational travel study offers practical, experience-based learning opportunities for students and business leaders to see first-hand how business impacts individuals and communities in various regions around the world. The focus of the course varies each year, ranging from economic development in Latin America to global business in Europe and Asia. Contact the Business program for more information about specific destinations and dates for this travel course each year.

*Prerequisite: Completion of 30 credits and permission of the department*

**BUS 305 Management of Non-Profit Organizations (3) B**

This course is designed to provide current and future nonprofit managers and leaders with an overview of a range of nonprofit management concerns and practices. Course projects and discussions expand students' management skills, analytical tools, and knowledge. Students take the perspectives of nonprofit managers, volunteers, board members, policy makers, donors, and clients. This course is built on the assumption that students learn more if they are actively engaged with the material. Exercises and discussions allow students to test knowledge, formulate ideas and strategies, respond to management dilemmas, and get immediate feedback from classmates and the instructor.

*Prerequisite: Completion of 30 credits and permission of the department*

*Note: This course is cross-listed as DVST 305.*

**BUS 307 Sustainable Development Goals in Context (3) O**

An exploration of the global Sustainable Development Goals and their historical development, their national application, and their integration into Albertan business, government, and civil society. The course will move from a broad theoretical understanding of a United Nations framework to an applied survey of how such goals and indicators can be applied to improve society through collaboration and innovation. Instruction will consist of lectures, experienced guest speakers and co-lecturers, reflective discussion, and case studies.

*Prerequisite: BUS 100, DVST 210 or permission of the department*

*Note: This course is cross-listed as DVST 307.*

**BUS 321 Personal Financial Management (3) B**

This course examines global capital markets and relates such markets to the practical application of building a personal financial plan all through the lens of being a Christ-follower. Wealth management is much more complex than simple stewardship rules. Money and our attitude towards finances are a litmus test of our spiritual character.

*Prerequisite: Completion of 30 credits*

**BUS 323 Responsible and Impact Investing (3) O**

This course develops an understanding of the rationale for, principles of, and financial instruments available for responsible and impact investment. Substantial parts of the course consider the regulatory enablers and barriers to impact investing and responsible investing, the challenges involved in their expansion, analysis of alternative instruments, and the measurement of social return on investment.

*Co-requisite: BUS 220*

*Note: This course is cross-listed as DVST 323.*

**BUS 330 Human Resource Management (3) B**

Human Resource Management (HRM) has become a strategic function for both private and public organizations. This course provides an introduction to the conceptual and practical aspects of HRM. It focuses on the personnel processes involved in the procurement, development and maintenance of human resources, including job classification and description, staffing, training and compensation. The course also includes an examination of current personnel issues and trends.

*Prerequisite: BUS 250 (may be taken in the same semester as a co-requisite)*

**BUS 331 Organization Development and Change (3) B**

For organizations desiring to operate effectively and remain competitive in a rapidly changing global marketplace, they must adapt to these dynamic and challenging conditions. In this course, students will explore the concepts of organization theory and design, including the major organization forms, the idea of culture as a structure, the impact of environment on structure and the leadership, and the management of dynamic process, all in the context of how organizations best work in today's complex world.

*Prerequisite: BUS 250*

**BUS 341 Leadership Theory and Practice (3) A**

This course is innovatively designed to be experiential and theory-based. The diverse delivery approach includes: online, readings, written assignments, journaling, lectures, retreats and leadership practice. The core areas of exploration include: leadership theory, functions of leadership, leadership practice, organizational approach to leadership, leadership assessment, and teamwork.

*Prerequisite: Completion of 30 credits*

**BUS 350 Business Law (3) B**

This course provides an examination of the Laws of Contracts, assignments, trusts and negotiable instruments. Business transactions and the formation of contracts will be discussed. This course also covers the Law of Torts, insurance and guarantees, principle and agent, negotiable instruments, partnerships, corporations and credit transactions.

*Prerequisite: BUS 100 or BUS 305*

**BUS 351 Corporate Social Responsibility and Shared Value Creation (3) B**

Businesses are facing increasing stakeholder pressure to respond to societal expectations that businesses should operate in a more environmentally friendly and socially responsible manner. This course examines corporate social responsibility (CSR) and shared value creation (SVC) from multiple perspectives. It focuses both on identifying the tensions between business and societal goals, addressing the major social responsibilities of business in the context of globalization, and on creating value through CSR and SVC strategies. Through the use of case studies and guest lecturers from CSR/SVC industry leaders, students will be exposed to issues across various industries and countries and will be expected to develop solutions for responsible management practices.

*Prerequisite:* One of the following: BUS 100, BUS 305, DVST 305

*Note:* This course is cross-listed as DVST 351.

**BUS 360 International Business (3) O**

This course examines how global economic, political and cultural factors affect the strategies of firms involved in international business and trade. Topics include: globalization and international business strategy, free trade and regional economic integration, foreign direct investment, currencies and exchange rates, social and cultural differences in national markets, international management and organizational structure.

*Prerequisite:* BUS 261

**BUS 362 International Microfinance (3) O**

This course will investigate the emerging field of microfinance – the provision of small loans and financial services to the poor – and its impact on addressing poverty in developing countries. Students will develop an understanding of a range of topics in the field, including the role of credit in microenterprises, lending models, sustainability and best practice for microfinance institutions (MFIs), cultural factors and regional issues. The course offers a unique mix of theory and practice as students will have the opportunity to work on projects relating to current issues and microfinance programs in various regions of the world.

*Prerequisite:* One of the following: BUS 100, BUS 305, DVST 305

*Note:* This course is cross-listed as DVST 362.

**BUS 370 Management Information Systems (3) B**

This course provides an introduction and understanding of the value and uses of information systems for business operation and management decision-making. It concentrates on providing an understanding of the tools and basic terminology needed to understand information systems and their role in the business environment. Topics include information systems concepts, a review of information technology concepts, the fundamentals of e-business, planning and development of information systems, and the implementation and management of these systems.

*Prerequisite:* BUS 100 or BUS 305

**BUS 371 Operations Management (3) B**

An introduction to the nature and problems of operations and production management. Topics include the allocation and scheduling of resources, inventory management, quality control, operations layout and design, project planning and control, and improvement/innovation of business processes. The intent is to provide a broad overview of the subject material and an understanding of how operations management affects business strategy and interacts with the other functional disciplines.

*Prerequisite:* One of the following: MA 110, MA 111, MA 149 and one of the following: BUS 100, BUS 305, DVST 305

**BUS 372 Data Analysis for Business (3-1) A**

An introduction to business analytics through the use of data analysis techniques and tools to make data-driven business decisions. Students will think critically about business problems and learn how to build basic predictive models using spreadsheet software. The focus will be on the practical use of analytical tools. Instruction will consist of lecture and tutorials.

*Prerequisite:* MA 110 and ACC 200

**BUS 376 Meaning and Purpose of Work in Christian Perspective (3) O**

This course will explore the intersection of Christian faith and the world of work. In particular, focus will be given to several key theological themes which highlight the integral role our work plays within the Christian life and God's activity in the world. In addition to understanding the meaning and purpose of work, attention will be given to how a theological understanding of our work can impact how one engages the workplace and makes career decisions.

*Prerequisite: BUS 100*

**BUS 380 Marketing Research (3) B**

This course exposes students to the research process as related to marketing and consumer behaviour. Topics include defining the marketing problem, research design, focus group selection, market segmentation and target marketing, sample selection, instrument preparation, data collection and reduction, analysis, presentation and follow-up.

*Prerequisite: BUS 280 and STA 210*

**BUS 381 Societal and Social Marketing (3) O**

This course explores both societal and social marketing. The purpose of societal marketing holds that an organization should make marketing decisions by taking into account the needs of the organization and its consumers, and in particular, the long-term interests of society. The purpose of social marketing is to influence social change such as improving health, protecting the environment, and contributing to community well-being.

*Prerequisite: BUS 280 or BUS 305/DVST 305*

*Note: This course is cross-listed as DVST 381.*

**BUS 382 Consumer Behaviour (3) B**

This course familiarizes students with the role of individual lifestyle and personality, and cultural and social influences, in consumer decision-making. These topics are examined with the goal of enabling marketers to better understand customers and meet their needs. The course also provides a uniquely Canadian perspective on how products, services, and consumption activities shape people's social experiences.

*Prerequisite: BUS 280*

**BUS 383 Marketing Communications (3) B**

An exploration of theories, concepts, and applications of integrated marketing communications which consist of advertising, sales promotion, public relations, personal selling, direct marketing, and digital (interactive) marketing. The course also addresses how marketing communications reach and serve customers, and how they help to shape consumer behaviour.

*Prerequisite: BUS 280*

**BUS 384 Brand Management (3) O**

Building and effectively maintaining brand equity is among the top priorities of high performing companies and is a fundamental element of competitive strategy. Provides students with insights into how effective brand strategies can be created and the implications for brand management professionals. The class blends marketing theory and practice to provide perspective on corporate marketing and the brand management function.

*Prerequisite: BUS 280*

**BUS 385 Special Topics in Marketing (3) O**

Special studies in Marketing, as announced.

*Prerequisite: BUS 280 and 3 credits in Marketing at the 300-level*

**BUS 390 New Ventures and Social Entrepreneurship (3) A**

This course is a study of the nature and background of entrepreneurship and the process involved from idea to opportunity to new business venture. Students are expected to study the environment in which entrepreneurship flourishes from both the perspective of the entrepreneur and of the economic system. The generation of ideas and opportunities is discussed. Students will transform an opportunity into a formal business plan. The course concludes with an examination of the process of implementation of the business plan and the management of the new business.

*Prerequisite: Completion of 30 credits*

*Note: This course is cross-listed as DVST 390.*

**BUS 392 Business Planning for Social Entrepreneurs (3) B**

This is a hands-on, new venture development course. Students learn entrepreneurial planning by developing an actual business plan for a new venture using Business PlanPro Premier software. Students learn and execute tasks such as developing an initial business model using the business model canvas design template; performing thorough customer and market analysis; producing finance and operation plans and projections; creating strategies for sustainability and triple bottom line results; and effectively presenting their business plans in written and oral presentation formats. Business plans will be entered into various business plan competitions and/or presented for financing to BDC, Futurepreneur Canada, or similar organizations.

*Prerequisite: BUS 390*

**BUS 399 Special Topics in Business Administration (3) O**

Special studies in Business Administration, as announced.

*Prerequisite: BUS 100 and permission of the department*

**BUS 404 Business Educational Travel Study (3) O**

This educational travel study offers practical, experience-based learning opportunities for students and business leaders to see first-hand how business impacts individuals and communities in various regions around the world. The focus of the course varies each year, ranging from economic development in Latin America to global business in Europe and Asia. Contact the Business program for more information about specific destinations and dates for this travel course each year.

*Prerequisite: Permission of the department*

**BUS 405 Special Topics in Business (3) O**

Special studies in Business, as announced.

**BUS 406 Special Topics in Business and Society (3) O**

Special studies in Business and Society, as announced.

**BUS 410 Advanced Strategy (3) A**

This course is a challenging advanced management course for the undergraduate business student. Students will be exposed to theories, concepts, tools and skills that are used in strategy formulation and implementation. Students will develop analytical thinking through defining core activities that a business focuses on, identifying clients/customers that a business serves, and creating value in what a business offers. Students will be challenged to integrate knowledge they have gained from other business core courses and apply their accumulated knowledge to business case studies. A holistic approach to identifying organizational problems and opportunities will be developed along with the ability to focus specifically on the functional and business levels in implementing the strategies.

*Prerequisite: Permission of department. Restricted to students in BA Business or Bachelor of Business Administration in their final year of study.*

**BUS 431 Learning and Performance Management (3) B**

This course builds upon BUS 330 and focuses on how organizations create and operate performance management systems, as well as meet their organizational learning and development needs. It presents an overview of current issues in the field, such as performance assessment for individuals and teams, needs analysis, rewards and motivation, training program design, talent management, and organizational learning.

*Prerequisite: BUS 250*

**BUS 432 Recruitment and Selection (3) B**

A key step in the human resource management (HRM) process within private, public and nonprofit sectors involves the recruitment and selection of human resources. The course provides the methods, processes, and skills to design and implement strategic recruitment and selection initiatives. Topics covered include: job analysis, legal considerations, identifying sources of applicants, screening, assessment, interviewing, and decision making.

*Prerequisite: BUS 330*

**BUS 433 Employee and Labour Relations (3) B**

An exploration of effective employee and labour relations in Canada. Specific emphasis will be given to exploring the practices of effective management: employee relations, the roles and impacts of unions in organizations, and managing conflict and diversity in organizations.

*Prerequisite:* BUS 250

**BUS 435 Special Topics in Human Resources (3) O**

Advanced studies in Human Resources, as announced.

*Note: this course is normally taken by students who have completed at least 18 credits in BUS or ACC.*

**BUS 441 Advanced Leadership (3) O**

Building upon the foundation of BUS 341, this course examines in greater detail leadership theories (transformational, authentic, and spiritual leadership), as well as advanced leadership topics (e.g., team leadership, culture and leadership, leadership ethics, and leadership and social justice). It also explores organizational opportunities and challenges that have leader-follower interaction as a cause (such as implicit leadership, toxic leadership, among others).

*Prerequisite:* BUS 341

**BUS 445 Special Topics in Leadership (3) O**

Advanced studies in leadership, as announced.

**BUS 449 Senior Leadership Research (3) O**

Students survey the applicable literature, conduct original research, and develop an individual research project involving investigation of a leadership issue approved by the instructor. Each student writes a report suitable for publication, presentation at the Ambrose research conference or to a potential employer, or submission with an application to a graduate school. The course will also involve the use of qualitative and quantitative research methods and data analysis that leaders and consultants use in organizations. Students will conduct limited amount of quantitative research and use spreadsheet tools rather than statistical software packages for analysis.

*Prerequisite:* BUS 341 and completion of 60 credits

**BUS 462 Business in the European Union (3) O**

This course explores the business environment in Europe and the impact of European integration in a regional and global context. Topics include: history and development of the European Union, political institutions, economic integration and the single European market, monetary union, and the Euro currency, trade and foreign policy, enlargement and expansion into Eastern Europe.

*Prerequisite:* Completion of 60 credits in any Business degree

**BUS 470 Project Management (3) B**

This course aims to provide a comprehensive, multi-industry overview of project management, familiarizing the student with the concepts and basic functions of project management. Topics addressed will include scope, risk, resource allocation, team management and leadership, time and scheduling, cost and budgeting, and evaluation and control. Leveraging the latest project management software, the course provides a balance of hands-on practice, contemporary real-world examples and cases, and the latest theory.

*Prerequisite:* 18 credits in BUS or ACC

**BUS 472 Business Analytics (3) B**

This course provides an introduction to business analytics – the use of data analysis techniques, information technology, statistical analysis, and optimization models – to help managers make data-driven business decisions. To evaluate selected cases in the fields of finance, marketing, and operations, this course will teach students to apply the three dimensions of business analytics: descriptive, predictive, and prescriptive analytics.

*Prerequisite:* STA 210, BUS 220, BUS 280, BUS 371

**BUS 475 Special Topics in Management (3) O**

Special studies in Management, as announced.

*Note: this course is normally taken by students who have completed at least 18 credits in BUS or ACC.*

**BUS 480 Strategic Marketing (3) B**

An integration of all the conceptual areas in the marketing discipline. The course will explore the analytical, planning, and communication skills required of successful marketing managers amidst demanding customers, fast-changing technologies, increasing global competition, and social changes in global markets. It will emphasize practical marketing planning, along with the development and implementation of marketing strategies.

*Prerequisite: 6 credits in Marketing at the 300-level*

**BUS 485 Special Topics in Marketing (3) B**

Special studies in Marketing, as announced.

*Prerequisite: BUS 280*

**BUS 490 Independent Study (3) O**

Consists of an individual research project that investigates a problem or topic area not treated extensively in a regular course.

*Prerequisite: Permission of the department and a minimum cumulative GPA of 3.0*

**BUS 492 a/b Entrepreneurship Incubator (1.5+1.5) B**

This is a two-semester entrepreneurship practicum for teams of students starting sustainable, triple bottom line-oriented companies based on business plans previously developed in BUS 392. The practicum is focused on skill development and mentoring in startup formation, resource acquisition, business and revenue model validation, project management, debt and equity financing, and written and oral presentation of startup activities.

*Prerequisite: BUS 392*

**BUS 495 Special Topics in Entrepreneurship and Innovation (3) O**

Special studies in Entrepreneurship and Innovation, as announced.

*Note: this course is normally taken by students who have completed at least 18 credits in BUS or ACC.*

**BUS 499 Capstone Seminar in Business (3) A**

Run as an integrative capstone seminar, this course serves as an occasion for graduating students to integrate and consolidate the various dimensions of their business program. The course will explore the pragmatic application of their fields of knowledge, the ways this can lead to vocation and service in the world community, while also providing a forum to help students transition to the next season of their professional lives.

*Prerequisite: Restricted to students in BBA or BA Business Administration programs in their final year of study.  
Permission of the department is required.*

**Chemistry****CHE 101 General Chemistry I (3-3) A**

This course looks at atomic and molecular structure; it examines the elements and chemistry of the periodic table, bonding, kinetics, and the basis of chemical reactions.

*Prerequisite: Chemistry 30*

**CHE 103 General Chemistry II (3-3) A**

This course examines theory of acids and bases, equilibrium theory, principles of electrochemistry and laws of thermodynamics.

*Prerequisite: Chemistry 30*

**CHE 251 Organic Chemistry I (3-3) A**

This course studies organic compounds - structure and bonding, aromaticity, stereochemistry, thermodynamics and spectroscopy.

*Prerequisite: CHE 101 and CHE 103*

**CHE 252 Inorganic Chemistry I: Main Elements (3-3) B**

This course presents the chemistry of inorganic compounds of the main group elements – their structure and bonding, symmetry elements and groups, coordination compounds and complexes, as well as extension of concepts covered in general chemistry such as the concept of hard and soft acids.

*Prerequisite: CHE 103*

**CHE 253 Organic Chemistry II (3-3) B**

A continuation of Chemistry 251, this course looks at the reactions of common functional groups and looks at mechanisms with biological significance.

*Prerequisite: CHE 251*

**CHE 331 Food Chemistry (3) B**

Chemistry applied to food science: the chemical principles involved in food chemistry, food safety, food processing, and packaging. Instruction will consist of lectures, assignments, research projects, and in-class presentations.

*Prerequisite: CHE 251*

**CHE 333 Environmental Chemistry (3) B**

In this course students will use the fundamental principles of chemistry to gain an understanding of the source, reactivity and environmental fates of toxic chemicals. Environmental issues that will be discussed include climate change, energy and sustainability, and environmental health.

*Prerequisite: CHE 251*

**CHE 335 Introduction to Nanoscience and Nanotechnology (3) B**

An introduction to the fundamental concepts and applications of the developing field of nanoscience and technology. The underlying principles of nanoscale science, the unique properties of nano-sized particles, and the modern applications of nanoscience will be explored. Instruction will consist of lectures, supplementary readings, in-class activities, quizzes, group projects and presentations.

*Prerequisite: 12 credits in the sciences*

**CHE 405 Special Topics in Chemistry (3) O**

Special studies in Chemistry as announced.

*Prerequisite: CHE 101 or CHE 103*

**Christian Studies****CST 200 Thinking Christianly (3) A**

This course explores what it means to think Christianly by examining seminal texts in a variety of liberal arts disciplines and inviting students to think critically about them and the ways they intersect with the Christian faith. Particular (though not exclusive) attention will be paid to texts articulating ideas or beliefs seemingly at odds with historical Christian doctrine.

*Prerequisite: REL 105 and REL 161*

*Note: This course can count as REL senior credit for Arts and Science students only.*

**CST 300 Great Books of the Christian Tradition (3) A**

A survey of a number of great books in the Christian tradition, with readings primarily from theology, philosophy, and literature. Particular attention will be paid to innovative texts that have demonstrated great influence on Christian culture. Readings may include Augustine's Confessions, Luther's "On the Freedom of a Christian," Bunyan's Pilgrim's Progress, Kierkegaard's Fear and Trembling, Dostoevsky's The Brothers Karamazov, Chesterton's Orthodoxy, Bonhoeffer's The Cost of Discipleship.

*Note: This course can count as REL senior credit for Arts and Science students only.*

*Prerequisite: CST 200*

**Communications****COM 105 Introduction to Media Communications (3) O**

This course will examine many types of media and their uses in communicating a message. These media types should assist us as tools in effective communication, allowing us to meet our goals and purposes in business, teaching, self-expression, and church ministry. We will examine many different mediums and their use, including software, hardware, technology, aesthetics, theory and research in order to gain the knowledge, understanding and ability to use them to our advantage.

## Computer Science

### **CS 100 Introduction to Computers (3-1) B**

An introduction to computing concepts, computer hardware, operating systems, software and the Internet. Applications in areas such as word processing, presentations, spreadsheet and database use are included.

### **CS 115 Introduction to Computer Programming (3-1) B**

This course is an introduction to algorithm design and implementation using a structured programming language (C++). Discussion of, and practice with, elementary programming techniques with emphasis on good style.

*Note: Class limit of 15 students.*

## Dance

### **DA 203 Ballet Technique I (1.5) B**

Explores the vocabulary and movement range of classical ballet technique at the intermediate level. Attention will be given to body placement, balance, flexibility and strength. Emphasis will be placed on integrated movement, alignment, classical ballet vocabulary, and artistic expression. Attendance at one assigned ballet performance is mandatory.

*Prerequisite: DA 103 or TH 203*

### **DA 204 Ballet Technique II (1.5) B**

Part II of Ballet Technique deepens the vocabulary and movement range of classical ballet technique at the intermediate level with a focus on more complex adage and allegro work. Further attention will be given to body placement, balance, flexibility and strength. Emphasis will be placed on integrated movement, alignment, classical ballet vocabulary, and artistic expression. Attendance at one assigned ballet performance is mandatory.

*Prerequisite: DA 203*

### **DA 213 Modern Technique I (1.5) B**

An introduction to the technique and philosophy of modern dance based on Limón, Graham, Horton, Cunningham and various release techniques. Students will develop a vocabulary of modern dance movements, musicality and expression. Studio based learning will grow students' overall technical skill and understanding of modern dance. Attendance at one modern dance performance is mandatory.

*Prerequisite: DA 103 or TH 203*

### **DA 214 Modern Technique II (1.5) B**

Part II of Modern Technique further develops modern dance technique and philosophy based on Limón, Graham, Horton, Cunningham and various release techniques. Students will expand their vocabulary of modern dance movements, musicality, alignment and expression. Studio based learning will grow students' overall technical skill and understanding of modern dance. Attendance at one modern dance performance is mandatory.

*Prerequisite: DA 213*

### **DA 303 Selected Styles (3) A**

An exploration of specific dance styles outside the domain of ballet and modern technique courses. The work will be practical and include elements of theory as it pertains to the particular dance style. The course will include at least two distinct dance forms which will vary by given term, such as Hip Hop, Jazz, Musical Theatre, Acro, Aerial, Flamenco, or others. Attendance at two dance performances as assigned by the instructor.

*Prerequisite: DA 103 or TH 203*

### **DA 322 Introduction to Choreography (3) B**

An introduction to the principles and application of choreography that combines both theory and praxis. Students will explore basic compositional skills and understanding through improvisational and structural approaches to choreography. Students will create original work utilizing source material, existing individual movement vocabulary, compositional structures, theme, and the revision process. Students will develop their capacities for critique through observation and articulation of each other's work. Pieces will be presented at the annual dance showcase.

*Prerequisite: 6 credits in Dance*

**DA 423 Variations in Contemporary Choreography (3) B**

In this performance-based course, advanced-level dance students will have the opportunity to work as an ensemble rehearsing and preparing a series of choreographic works created and taught by professional choreographers. Choreography will be curated by the program director and shaped around an annual showcase theme. Rehearsals outside of class time may be required.

*Prerequisite: 9 credits in Dance or permission of the department*

**Development Studies****DVST 210 Introduction to Community Development (3) A**

This course offers an introduction to community development theory and practice with a focus on real world experience and theory applications (both domestic and international), and the corresponding impact on local communities. Definitions, principles and approaches to community development will be discussed, with an emphasis on holistic transformation of individuals and communities from a Christian perspective. This course will also review best practices and relevant issues in the field of community development including poverty, employment, homelessness, literacy, health, environment, gender, and business development.

**DVST 261 Global Business Practices (3) A**

This course provides a survey of business practices in various regions around the world, comparing and contrasting social and cultural differences that impact business interactions and cross-cultural communication.

*Prerequisite: Completion of 30 credits or permission of the department*

*Note: This course is cross-listed as BUS 261.*

**DVST 299 Special Topics in Development Studies (3) O**

Special studies in Development Studies, as announced.

*Prerequisite: Permission of the department*

**DVST 301 Intermediate Domestic Community Development (3) B**

This course provides a multi-disciplinary overview of domestic community development. It will address theories and strategies of domestic community development in a variety of domestic contexts, as well as the causes and consequences of poverty and lack of development in a Canadian context such as low-income employment; lack of community engagement; inequitable access to financial services and resources; poor health and education; and hopelessness, among others. In particular, issues such as not addressing poverty and its impact on local economies, collective impact strategies, as well as engaging with non-traditional partners such as businesses and social enterprises will also be explored. Opportunities will also be provided to interact and collaborate with local community development organizations.

*Prerequisite: DVST 210*

*Note: This course is cross-listed as BUS 301.*

**DVST 302 Intermediate International Community Development (3) B**

This course provides a multi-disciplinary overview of international community development. It will address theories and strategies of community development using a variety of contexts in the developing world, as well as the causes and consequences of poverty such as: environmental degradation; insufficient food production; inequitable access to land and related resources; injustice; poor governance; civil war and other types of conflict.

*Prerequisite: DVST 210*

*Note: This course is cross-listed as BUS 302*

**DVST 304 Development Studies Travel Study (3) A**

This educational travel study offers cross-cultural, experience-based learning opportunities for students and development workers to see first-hand how international development impacts individuals and communities in various regions around the world. The focus of the course varies each year, covering aspects of community and economic development in Latin America, Africa and Asia.

*Prerequisite: Completion of 30 credits*

**DVST 305 Management of Non-Profit Organizations (3) B**

This course is designed to provide current and future nonprofit managers and leaders with an overview of a range of nonprofit management concerns and practices. Course projects and discussions expand students' management skills, analytical tools, and knowledge. Students take the perspectives of nonprofit managers, volunteers, board members, policy makers, donors, and clients. This course is built on the assumption that students learn more if they are actively engaged with the material. Exercises and discussions allow students to test knowledge, formulate ideas and strategies, respond to management dilemmas, and get immediate feedback from classmates and the instructor.

*Prerequisite: Completion of 30 credits or permission of the department*

*Note: This course is cross-listed as BUS 305.*

**DVST 306 Basic Skills and Practice for Working with Individuals who are Vulnerable and Homeless (3) B**

This course will focus on basic skills and practice when working with individuals who are vulnerable and/or experiencing homelessness. It will explore the challenges faced by individuals who are vulnerable and homeless, such as lack of education and job skills, poor mental and physical health, and addictions. It will also address the importance of case management, its components, and effectiveness. The course is meant to prepare students interested in working with at-risk persons in this population to provide competent and client-centered help.

*Prerequisite: PS 121 or SO 121*

*Note: This course is cross-listed as PS 306.*

**DVST 307 Sustainable Development Goals in Context (3) O**

An exploration of the global Sustainable Development Goals and their historical development, their national application, and their integration into Albertan business, government, and civil society. The course will move from a broad theoretical understanding of a United Nations framework to an applied survey of how such goals and indicators can be applied to improve society through collaboration and innovation. Instruction will consist of lectures, experienced guest speakers and co-lecturers, reflective discussion, and case studies.

*Prerequisite: BUS 100, DVST 210 or permission of the department*

*Note: This course is cross-listed as BUS 307.*

**DVST 309 Community Development for Local Congregations (3) O**

An introduction to how local congregations can apply the theory and practice of community development to engage their local community and be catalysts for change. Definitions, principles and practices of community development will be discussed, with special emphases on poverty reduction and holistic community transformation from a Christian perspective. Special emphasis will be on poverty and the role of congregations in local poverty reduction.

*Prerequisite: BUS 100 or DVST 210 or permission of the department*

**DVST 323 Responsible and Impact Investing (3) O**

This course develops an understanding of the rationale, principles and financial instruments for responsible and impact investment. Substantial parts of the course consider the regulatory enablers and barriers to both impact investing and responsible investing, the challenges involved in expanding these areas, analysis of alternative instruments, and the measurement of social return on investment.

*Co-requisite: BUS 220*

*Note: This course is cross-listed as BUS 323.*

### **DVST 350 Shock Poverty (3) B**

Shock Poverty is defined as instantaneous in its occurrence and devastating in its impact. Shock Poverty can be viewed through two lenses: the global and the personal. What leads to each? How do they impact each other? Poverty is a major theme in Christian Scripture and it is on that base that poverty in the modern world will be examined. In class, through readings and reflection, we will consider the impact of poverty in our world, we will address the question of poverty elimination and consider the root causes of poverty.

*Prerequisite: Completion of 60 credits or permission of the department*

*Note: This course is cross-listed as BHS 350.*

### **DVST 351 Corporate Social Responsibility and Shared Value Creation (3) B**

Businesses are facing increasing stakeholder pressure to respond to societal expectations that businesses should operate in a more environmentally friendly and socially responsible manner. This course examines corporate social responsibility (CSR) and shared value creation (SVC) from multiple perspectives. It focuses both on identifying the tensions between business and societal goals, addressing the major social responsibilities of business in the context of globalization, and on creating value through CSR and SVC strategies. Through the use of case studies and guest lecturers from CSR/SVC industry leaders, students will be exposed to issues across various industries and countries and will be expected to develop solutions for responsible management practices.

*Prerequisite: One of the following: BUS 100, BUS 305, DVST 305*

*Note: This course is cross-listed as BUS 351.*

### **DVST 360 Sociology of Development (3) B**

This course provides a sociological analysis of development. Beginning with a critical review of competing theoretical perspectives and empirical evidence, the course examines the diverse trajectories of industrialization and economic development across nations of different political and economic systems. This course further explores key international events that have rearranged the world and shaped global stratification. Among these events are: the end of the cold war, globalization of trade and production,

shifting relations among capitalist powers, the debt crisis, aid, migration, gender and development, culture, political mobilization, and revolutionary movements. By critically engaging the core issues in the field of development, students will apply their theoretical understanding to empirical examples. The aim of the course is to enable students to develop the ability to critically analyze "doing development" in a global context.

*Prerequisite: Completion of 60 credits or permission of the department*

*Note: This course is cross-listed as SO 360.*

### **DVST 362 International Microfinance (3) O**

This course will investigate the emerging field of microfinance – the provision of small loans and financial services to the poor – and its impact on addressing poverty in developing countries. Students will develop an understanding of a range of topics in the field, including the role of credit in microenterprises, lending models, sustainability and best practice for microfinance institutions (MFIs), cultural factors and regional issues. The course offers a unique mix of theory and practice as students will have the opportunity to work on projects relating to current issues and microfinance programs in various regions of the world.

*Prerequisite: One of the following: BUS 100, BUS 305, DVST 305*

*Note: This course is cross-listed as BUS 362.*

### **DVST 381 Societal and Social Marketing (3) O**

The course provides an overview of public relations theories and practical methods of gaining publicity, as well as the nature of social marketing. On the public relations (PR) front it covers fundamentals of strategic communication, organizational image-making, techniques of effective outreach, and communicating with the internal stakeholders and external publics. On the social marketing front, the course also examines how traditional marketing and public relations approaches can be used to mobilize and/or change public opinion in order to affect a variety of social causes in areas such as health, education, politics, environment, etc.

*Prerequisite: One of the following: BUS 280, BUS 305, DVST 305*

*Note: This course is cross-listed as BUS 381.*

**DVST 390 New Ventures and Social Entrepreneurship (3) A**

This course is a study of the nature and background of entrepreneurship and the process involved from idea to opportunity to new business venture. Students are expected to study the environment in which entrepreneurship flourishes from both the perspective of the entrepreneur and of the economic system. The generation of ideas and opportunities is discussed. Students will transform an opportunity into a formal business plan. The course concludes with an examination of the process of implementation of the business plan and the management of the new business.

*Prerequisite: Completion of 30 credits*

*Note: This course is cross-listed as BUS 390.*

**DVST 399 Special Topics in Development Studies (3) O**

Special studies in Development Studies, as announced.

*Prerequisite: Permission of the department*

**DVST 402 Human Trafficking (3) B**

This course will critically examine and contextualize the prevalent global crime of human trafficking and consider effective modes of prevention and response. It will examine the history, roots, and development of various forms of human trafficking internationally and domestically using several frameworks. In addition, it considers a variety of responses such as addressing related social and development issues, legal responses and system reform.

*Prerequisite: 3 credits in Sociology or Development Studies at the 200-level*

*Note: This course is cross-listed as SO 402.*

**DVST 404 Development Studies Educational Travel Study (3) A**

This educational travel study offers cross-cultural, experience-based learning opportunities for students and development workers to see first-hand how international development impacts individuals and communities in various regions around the world. The focus of the course varies each year, covering aspects of community and economic development in Latin America, Africa and Asia.

*Prerequisite: Completion of 30 credits*

**DVST 405 Special Topics in Development Studies (3) O**

Special studies in Development Studies, as announced.

*Prerequisite: Permission of the department*

**Ecology**

**ECOL 255 Aquatic Biomonitoring (3) O**

An introduction to aquatic ecosystem ecology with practical, hands-on training in the techniques used for the biomonitoring of aquatic macro invertebrates. Instruction will consist of in-class completion of the Canadian Aquatic Bio-monitoring Network (CABIN) training modules at the level of Field Technician. This course includes a field practicum (approximately 16 hours) in aquatic biomonitoring techniques that culminates in the student becoming a Certified CABIN Field Technician.

*Prerequisite: BIO 131 and BIO 133*

**ECOL 317 Aquatic Communities and Ecosystems (3-3) B**

This course will examine the major components of aquatic communities, and explore how these interact to influence ecosystem function. Topics including production, nutrient flow, trophic interactions, and diversity will be discussed as they relate to conservation and management.

*Prerequisite: BIO 213 and BIO 310*

**ECOL 319 Terrestrial Communities and Ecosystems (3-3) B**

This course will explore patterns and processes that influence biotic interactions in terrestrial systems. Topics including succession, productivity, diversity, disturbance, and nutrient dynamics will be discussed as they relate to conservation and management.

*Prerequisite: BIO 213 and BIO 310*

**ECOL 335 Introduction to Environmental Science (3-3) B**

This course will provide students with an overview of Environmental Science, including environmental testing, resource use by humans, pollution, biotechnology, conservation methods, industry standards, and environmental guidelines within Canada.

**ECOL 337 Current Topics in Ecology (3) O**

This course is a seminar course which involves the study and presentation of several current research papers in the field of environmental science, as well as critique and application of the work.

*Prerequisite:* ECOL 335

**ECOL 383 Animal Behaviour (3-3) B**

This course explores the biological basis of animal behaviour using key principles from the fields of ethology and behavioural ecology. Placed within an evolutionary framework, the unifying principles of natural and sexual selection are used to investigate the driving forces that have shaped the remarkably diverse and often strange suite of behaviours in animals that enable them to survive harsh climates, find mates, care for young, migrate across diverse landscapes, and learn to survive in their environment.

*Prerequisite:* BIO 213

**ECOL 429 Molecular Ecology (3-3) B**

A survey of the principles and molecular genetics tools employed by biologists to investigate ecological and evolutionary processes. Topics include genome sequencing, population structure, phylogeography, genotype-phenotype mapping, species identification, genome modifications, and conservation genetics.

*Prerequisite:* BIO 211 and one of the following:

BIO 213, BIO 301

## Economics

**ECO 110 Microeconomics and Macroeconomics I (3) A**

An overview of the history and theory of micro and macroeconomics. The course will address the development of economic institutions from pre-capitalism to capitalism, an understanding of the evolution of ideas in economic theory, and an introduction to the principles of micro and macroeconomics. In particular, the course will introduce basic economic concepts, models, and foundations of economic policy.

**ECO 120 Microeconomics and Macroeconomics II (3-1) A**

The second in a sequence of two introductory courses in Economics, this course extends the introductory nature of micro and macroeconomics covered in ECO 110. Between the two courses, the student learns the key elements in both introductory micro and macroeconomics. Topics include: examination of how markets work and the process of competition; public policy toward markets; antitrust, regulation, deregulation, public enterprise vs. privatization, etc.; distribution of income, labor-management and management-ownership-finance relations; impact of macroeconomic and international issues and policies on business, labor, and consumers.

*Prerequisite:* ECO 110

**ECO 202 Intermediate Microeconomics (3) O**

The study of the theories and techniques of price theory and its practical applications. Building on the principles covered in ECO 110 and ECO 120, topics covered include price, production, and distribution theories, the theory of the firm, risk and uncertainty, game theory, and the analysis of public goods provision and its impact on efficiency.

*Prerequisite:* ECO 110 and ECO 120

**ECO 203 Intermediate Macroeconomics (3) O**

Building on the basic principles covered in ECO 110 and ECO 120, this course explores the national economy in terms of the determination of national output, the general price level, the rate of interest, and employment. The course also analyzes the effectiveness of fiscal and monetary policies in achieving their stated goals.

*Prerequisite:* ECO 110 and ECO 120

**ECO 299 Special Topics in Economics (3) O**

Special studies in Economics, as announced.

*Prerequisite:* Permission of the department

**ECO 310 Development Economics (3) O**

This course focuses on the economic aspects of the development process in low-income countries. Students will develop an understanding of development disparity in both economic and social terms, as well as methods of promoting growth and development. Issues such as population growth, urban migration, labour markets and income and asset inequality will be discussed. Economic development policy concerns, structural problems and the broader social and cultural context will also be considered.

*Prerequisite:* ECO 110 and ECO 120

**ECO 340 Money and Banking (3) O**

This course provides an institutional approach to finance and monetary economics. It analyzes the operation of the financial markets, the principles of money creation, interest rate determination, central banking, and the role of macroeconomic policy relating to the financial markets and the banking industry.

*Prerequisite:* ECO 203

**ECO 350 Economics of Taxation and Public Spending (3) O**

This course will examine the institutions behind, and economic rationale for, Canadian government policy relating to public expenditures and taxation. Topics include the history and present structure of government spending and taxation, the effects of personal taxation, the budgetary process, issues related to budget deficit, inter-jurisdictional issues, and public spending program design.

*Prerequisite:* ECO 110, ECO 120 and ECO 203

**ECO 399 Special Topics in Economics (3) O**

Special studies in Economics, as announced.

*Prerequisite:* Permission of the department

**ECO 405 Special Topics in Economics (3) O**

Special studies in Economics, as announced.

*Prerequisite:* Permission of the department

**Education**

*Please note: Only students enrolled in the Bachelor of Education program are eligible to take courses under the Education section of Course Descriptions.*

**Curriculum Design and Program Development****CDPD 500 Introduction to the Principles and Practices of Curriculum Design and Program Development (6) A**

Explore introductory ideas and practices for designing learning experiences for children (K-6). Students will work extensively from the Alberta Program of Studies to understand its structure the essence of each subject discipline. They will consider the variables that exist in Alberta classrooms while developing lesson plans and simple assessments that use feedback as a learning tool.

**CDPD 600 Understanding and Application of Principles and Practices of Curriculum Design and Program Development (6) A**

Building on the general principles of CDPD 500, students will use backwards design to build units of study across the various disciplines in the Alberta Program of Studies. Students will identify "big ideas" and "essential questions" in curriculum. They will make understanding and skill development visible through formative and summative assessments, create rubrics, design performance assessments, and practice reporting.

*Prerequisite:* CDPD 500

**CDPD 700 Synthesis of Principles and Practices in Curriculum Design and Program Development (6) A**

How do teachers create and nurture collaborative and authentic partnerships, both within and external to a school? Using this question as a frame, students will consolidate and integrate knowledge about curriculum design and program development drawn from CDPD 500 and 600, and apply learning theory from LTA 600 to design and present a comprehensive framework for learning that encompasses school, home and community partnerships over a whole year.

*Prerequisite:* CDPD 600

## Field Experience

### **FE 500 Introduction to Field Experience (3) A**

Intended for pre-service teachers to deepen and broaden their understanding of the lives of students, teachers and principals in Alberta public schools through school visits, dialogue and novice action research. The developmental focus of the seminar will be on the interconnectedness of schools and classrooms with learners, teachers, curriculum and society. Students will visit several school sites in the Calgary area as case studies for this course.

### **FE 600 An Understanding and Application of Field Experience (3) A**

Intended to deepen and broaden pre-service teachers' understanding of teaching practices in Alberta public schools. Through seminar dialogue, case study development, and novice action research rooted in their field experience, pre-service teachers will unpack instructional strategies that foster relationships with students and help identify and meet student needs in inclusive classroom environments.

*Prerequisite:* FE 500

### **FE 700 A Synthesis of Field Experience (6) A**

Intended to support pre-service teachers as they design learning tasks for field experience that meet diverse student needs in inclusive public school classrooms and to prepare pre-service teachers for increased pre-service teaching responsibility. Students will engage in comprehensive learning task design and engage in a professional inquiry to foster deep thinking for identity formation.

*Prerequisite:* FE 600

## Learning Theory and Application

### **LTA 500 Introduction to the Principles and Applications of Learning Theory (6) A**

An introduction to foundational theories of learning, drawn from cognitive and behavioural sciences, and their application to educational practices. In the first of three courses in the Learning Theory and Application stream, preservice teachers will learn how to design engaging learning experiences, creating conditions so that diverse learners can maximize their learning. The course participants will examine the relationships between learning and children's growth and development, human behaviour and assessment practices in elementary schools.

### **LTA 600 An Understanding and Application of Learning Theory (6) A**

Examination of foundational and current learning theories that inform teacher practice in Alberta Schools. Learning norms, exceptionalities, and executive function will be critically examined to foster understanding of strategies for differentiation and inclusive practices in elementary classrooms. Preservice teachers will critically review methodologies used to design and implement learning experiences in elementary school classrooms.

*Prerequisite:* LTA 500

### **LTA 700 A Synthesis of Learning Theory (6) A**

An examination, in particular and in greater detail, of the variety of learning requirements of children and youth with diverse needs and from diverse cultural backgrounds, including First Nations learners. Students will consider the literature and practices of educators working in inclusive, multi-cultural, and cross-cultural classrooms. High-stakes, norm-based assessment is addressed. Preservice teachers will practice communicating their understanding of the complexities of students and learning environments, including how they will apply their understanding to design of learning experiences that foster student success.

*Prerequisite:* LTA 600

## Society and Culture: Methodology and Practices

### **SCMP 500 Introduction to Curriculum Contexts: Learning and Learners (6) A**

An examination of the philosophical, social and theoretical foundations of educational practices from different historical periods. The course will consider the basic philosophies of education, the scholars that supported them and their historical and political context.

### **SCMP 600 An Application of Curriculum Contexts: Teachers and Teaching (3) A**

An examination of the ways in which society, culture and education intersect and influence teaching practice and methodology in today's classrooms. Students will build upon and integrate their understanding of teachers and teaching with an emerging personal philosophy and world view. Topics include the changing face of knowledge, schooling and credentials, and the emotional lives of children.

*Prerequisite: SCMP 500*

### **SCMP 700 Synthesis of Schools and Classrooms: Society and Culture (3) A**

An advanced examination of how past and current practices have informed trends in schooling. Course content will be explored through key questions: How will you navigate the future of education? How is technology changing the way we learn? What is your teaching narrative? Topics include Teacher Quality Standard competency in First Nation, Metis and Inuit education, 24-7 teaching, personal teaching philosophy, and future trends in education.

*Prerequisite: SCMP 600*

## Education Program Extended Learning

*Education Program Extended Learning. These courses are designed for practicing teachers who may be thinking about returning for a Master's degree while working. Also, for students in teacher preparation programs who want to augment what is currently covered in program courses. These courses balance theory and practice with major assignments geared towards the teachers' own classroom work. Courses are also eligible on TQS (Teacher Qualification Service) as Senior Undergraduate Courses worth .100. For more information, please contact enrolment@ambrose.edu or call 403-410-2900.*

### **CDPD 400 Strategizing for Numeracy in the Elementary Classroom (3) A**

For practicing educators, an examination of numeracy pedagogy connecting research to present day instructional practices. Students will build personal and common understandings of how children in schools engage with quantitative or spatial information to create meaning in the K-6 classroom. Instruction will build on a model of co-construction which will culminate with the development of a numeracy plan for use in their classrooms. Topics include visible numeracy practices that promote number conservation, problem-solving skills, mathematical relationships, geometrical thinking, and differentiation and assessment.

*Prerequisite: One of the following: Completion of a post-secondary degree, a practicing teacher, enrolled BEd student*

### **CDPD 401 Design Thinking in the Elementary Classroom (3) A**

An introduction to the theory and practical application of design thinking - interpretation, ideation, experimentation, research, and evolution of thinking - to creative instructional practice. Participants will consider the potential of design thinking strategies to foster student inquiry. Instruction will provide concrete, collaborative strategies for the application of design thinking stages resulting in the creation of classroom inquiries and tasks.

*Prerequisite: One of the following: Completion of a post-secondary degree, a practicing teacher, enrolled BEd student*

### **CDPD 402 Strategizing for Literacy in the Elementary Classroom (3) A**

For practicing educators, an examination of literacy pedagogy, connecting research to present day instruction for educators. Students will build personal and common understandings of how children in the K-6 classroom acquire, construct and communicate the meaning of texts. Instruction will build on a model of co-construction which will culminate in students' development of a literacy plan for use in their classrooms. Topics will include Balanced Literacy, Guided Reading, Guided Writing, Literacy Centres, and Differentiation and Assessment.

*Prerequisite: Those eligible must possess a post-secondary degree, be a practicing teacher, enrolled BEd current student*

**CDPD 403 Strategizing for Numeracy in the Middle School Classroom (3) B**

An examination of numeracy pedagogy for middle school educators that connects research to instruction. Topics include the progression of the math curriculum, numerical problem-solving, mathematical relationships, geometrical thinking, differentiation, and assessment. Instruction will employ co-construction that culminates in students' application of higher order thinking in numeracy in their classrooms.

*Prerequisite: Practicing teachers or pre-service teachers with permission*

**LTA 400 Leading and Supporting Inclusionary Practices in the Elementary School (3) A**

Designed to engage practicing teachers who wish to pursue leadership roles that support diversity and learning differences for students in the K-6 setting. Participants will learn how to construct school-wide strategies for ensuring that all students receive meaningful learning experiences. Instruction will build on a model of co-construction of knowledge that draws from a variety of sources resulting in students' creating a school-wide plan that addresses student success in their context. Topics will align to the Alberta Education Policy on Inclusion addressing, "regardless of race, religious belief, colour, gender, gender identity, gender expression, physical disability, mental disability, family status or sexual orientation, or any other factor(s), have access to meaningful and relevant learning experiences that include appropriate instructional supports."

*Prerequisite: One of the following: Completion of a post-secondary degree, a practicing teacher, enrolled BEd student*

**MU 416 Elementary Music Methods (3) O**

An introduction to pedagogical practices of teaching elementary music through the lens of Orff Schulwerk. Elements of Rhythm, Melody, Harmony, Form and Expression will be explored and experienced through a variety of media; singing, movement, active listening, and instrumentation (Body percussion, Non-Pitched Percussion and Pitched Percussion). Students will experience a sequential approach to curriculum delivery using processes ranging from imitation to literacy and literature to improvisation and performance.

*Prerequisite: RCM Advanced Rudiments or permission of the department*

**English Literature and Modern Languages**

**EN 100 Introduction to Creative Writing (3) A**

This course is an introductory workshop course in the writing of poetry and short prose fiction, emphasizing the centrality of reading and revision to successful literary composition. Students will engage in regular writing assignments and discuss the craft of creative writing. The class will also develop students' literary analytical skills through discussion of both students' own work and that of published authors. There may also be additional in-class writing exercises.

*Prerequisite: EN 115*

*Note: This course can fulfill a Fine Arts elective in all programs. This course is not a prerequisite for upper level EN course except EN 200.*

**EN 115 Introduction to Literature and Language (3) A**

This course introduces students to post-secondary studies in English by exploring developments in literature and language in and over time. Students will have opportunities to study particular themes and compare different genres.

**EN 200 Intermediate Creative Writing (3) A**

An intermediate workshop course in creative writing that develops the reading and revision acquired in EN 100. Students will engage in intensive writing assignments and discuss detailed aspects of the craft of creative writing. The class will also further students' literary analytical skills through discussion of both students' own work and that of published authors. Genres taught may include poetry, short fiction, and/or the novel. Contact the instructor for further information about each year's focus.

*Prerequisite: EN 100 or portfolio*

*Note: This course can fulfill a Fine Arts elective in all programs.*

**EN 220a Representative Literary Works: Medieval to Romanticism (3) A**

A foundational course in literary studies, this class provides an introduction to a wide range of literary works in English from the eighth century to the late eighteenth century. The course introduces students to the breadth of genres that comprise the English literary tradition. Significant attention will be given to critical reading skills and further development of writing skills.

*Prerequisite: EN 115 (Co-requisite for English major students)*

**EN 220b Representative Literary Works: Romanticism to the Present (3) A**

This course extends the examination, begun in EN 220a, of the English literary tradition as it spreads to North America and other English-speaking nations. EN 220b starts with the Romantic period, approximately the 1780s, and carries its analysis of literature to the present day. A continued emphasis will be placed on improving reading and writing skills.

*Prerequisite: EN 115 (Co-requisite for English major students)*

*Co-requisite: EN 115*

**EN 230 The Short Story (3) O**

An overview of short stories from various cultures, this course provides a focus on the short story, one of the most condensed and forceful literary genres. Emphasis will be placed on interpreting plot, character, tone, theme and imagery, yet equal attention will be given to writing about the reading experience.

*Prerequisite: EN 115*

**EN 235 Tragedy and Comedy (3) O**

The dramatic genres of comedy originated in Ancient Greece, yet continue to populate theatre stages and screens to our time. This course will survey the long history of these genres by studying seminal representatives of each and important theoretical accounts of the literary conventions that define them.

*Prerequisite: EN 115*

**EN 240 Children's Literature (3) B**

A survey of children's literature, this course aims to teach students how to read literature for children from a critical perspective. The course will examine a variety of genres, such as adaptations from traditional myths, legends, folklore, fantastic literature, verse, and nursery rhymes.

*Prerequisite: EN 115*

**EN 245 C.S. Lewis, J.R.R. Tolkien, and the Inklings (3) O**

A study of the major literary works, themes, and ideas of C.S. Lewis, J.R.R. Tolkien, and their friends, the group known as the Inklings. It examines themes such as the use of myth to explore problems of modernity, the relationship between Christian faith and art, as well as the debates over literary versus popular fiction.

*Prerequisite: EN 115*

**EN 270 Popular Fiction (3) O**

This course provides an introduction to the genres of popular fiction: fantasy, romance, detective, thriller, didactic, science fiction, and others. By attending to the differences between these genres, as well as to the distinctions that may be drawn between popular and literary fiction, students will both explore how popular authors treat such universal themes as love, justice, and mortality, and gain insight into what is meant when a text is called 'good.'

*Prerequisite: EN 115*

**EN 275 Spiritual Autobiographies (3) O**

An introduction through their own writings to the spiritual pilgrimages of several significant figures in the history of the church, this course also examines many of the key problems, such as the role of memory and the relation of fact to fiction, in the autobiographical genre. Representative works include Augustine's Confessions, Bunyan's Grace Abounding, as well as writings by anonymous saints of the Orthodox tradition and a variety of contemporary autobiographies.

*Prerequisite: EN 115*

**EN 290 The Twentieth-Century Novel (3) O**

An overview of twentieth-century prose, this course divides the century into two periods – pre- and post-World War II – to facilitate the study of novels by representative writers such as Virginia Woolf, J.D. Salinger, Ian Fleming, Kazuo Ishiguro, and Michael Ondatje.

*Prerequisite: EN 115*

**EN 295 Advanced Expository Prose (3) O**

Students in this course will develop their academic writing strengths. A variety of writing pedagogies will be used, but special emphasis will be given to peer and professor editing, and students will be given ample opportunity to revise their work. Exposition and argumentation are the chief forms of essay writing in this course. Note: Class limit of 25 students.

*Prerequisite: EN 115*

**EN 299 Special Topics in English Literature (3) O**

Special studies in literature, as announced.

*Prerequisite: Permission of the department*

**EN 300 Canadian Literature from 1925 (3) B**

This course focuses on English Canadian literature from 1925 to the present. The course introduces students to a wide variety of Canadian writers and to a spectrum of topics pertinent to Canadian writing, for example, our status as a post-colonial nation. The discussion will also contextualize Canadian writing in relation to major literary movements and trends outside and within Canada.

*Prerequisite: 6 credits in English*

**EN 310 The Bible in Literature (3) O**

Few books have had greater impact on the idioms, images, and structures of English literature than the Bible. This course will examine the ways in which the language, stories, themes, and characters of the Bible, influence and inhabit centuries of English literature.

*Prerequisite: 6 credits in English*

**EN 320 Restoration and Eighteenth-Century Literature (3) O**

This course gathers together the literature of the Restoration, the Augustan Age, and the Age of Sensibility. It begins with Bunyan and Behn and continues with Pope, Swift, and Dryden before ending with the late eighteenth-century prose writers, in particular, Boswell and Johnson. In addition to these canonical figures, we will also read works by several lesser-known writers of the period.

*Prerequisite: 6 credits in English*

**EN 321 Medieval World Literature (3) B**

This course considers the diverse literary forms of the Middle Ages, both in Britain and Europe. Works considered will range from the close of antiquity through to the dawn of the Renaissance. Authors may include Boethius, Dante, and Chaucer, along with texts like Beowulf, The Song of Roland, Roman de la Rose, and various Arthur narratives.

*Prerequisite: 6 credits in English*

**EN 330 Poetry: Reading and Analysis (3) O**

An introductory survey of the various kinds of poetry written in English, with examples from the fourteenth to the twentieth centuries, this course develops the basic principles of formal poetic analysis through the close readings of poems.

*Prerequisite: 6 credits in English*

**EN 335 Ancient World Literature and Myth (3) O**

This course introduces students to the classical backgrounds of English literature through readings in Greek and Roman mythology, drama, epic, and poetry and continues through to the Renaissance. Students will study selections and entire works from Homer, Ovid, Virgil, Dante, and other major classical authors.

*Prerequisite: 6 credits in English*

**EN 340 Milton (3) B**

John Milton (1608-74) exerted an influence on the seventeenth century and on subsequent literature that can only be appreciated by studying his major works in some depth. Milton is all the more notable because of his role as a radical Puritan with a courageous and dissenting voice that continues to challenge conventional creative and religious thought. This course examines Milton's major poetic works and his major prose.

*Prerequisite: 6 credits in English*

**EN 350 Shakespeare I (3) B**

This course studies thoroughly Shakespeare's drama: the tragedy, romance, comedy, historical play, and problem play. Shakespeare's works are placed in the context of the history and culture of the Elizabethan era.

*Note: This course can fulfill a Fine Arts elective in all programs.*

*Prerequisite: 6 credits in English*

**EN 360 The Nineteenth-Century Novel (3) B**

Many contemporary ideas about the individual, political economy, psychology, gender, faith, creativity, science, and art took shape during the Victorian period. The novel of the nineteenth century displays and distils the cultural and intellectual ferment that defined this remarkably prolific period in English literature. Representative novels by the major, minor, and, occasionally, quirky writers of the period will be covered.

*Prerequisite: 6 credits in English*

**EN 365 Modern World Literature (3) O**

This course examines the major literary works of the world from approximately 1800 to the present by studying these texts in English translation. The course places world masterpieces of literature in their historical and cultural contexts to trace the trends or influences exerted by these works.

*Prerequisite: 6 credits in English*

**EN 370 American Literature (3) B**

This course undertakes the study of nineteenth- and twentieth-century poetry, drama, short stories, and novels by representative American writers. The categories of culture, history, gender, and race will be examined with special attention to the ways in which they define and contest the concept of nation and a national literature.

*Prerequisite: 6 credits in English*

**EN 371 Professional Editing (3) O**

A course in the skills and standards of professional editing. Professional editors have a role in producing documents that serve a wide range of audiences and purposes, from instructions on how to play a game to novels that influence how we see the world. Students will learn the fundamentals of professional editing and the first steps needed to develop their own careers as freelance editors. The standards, skills, and tools of editing taught here will build on the principles of clear, consistent, grammatically correct writing learned in junior English courses.

*Prerequisite: 3 credits in English*

**EN 380 Romanticism (3) B**

Wordsworth's and Coleridge's Lyrical Ballads (1798) began the Romantic period in English literature, a period that witnessed changes to the perception of the role of the artist and art, the effects of which are still experienced today. The Romantic phenomenon continued for the next four decades; the works of the above two poets, those of Byron, P.B. Shelley, Keats, and several less well-known writers will be studied in the context of the diverse historical, social, intellectual, and artistic climate of the period.

*Prerequisite: 6 credits in English*

**EN 381 Sixteenth-Century Literature (3) B**

Renaissance learning takes root in England in the early sixteenth century – quite late compared to the rest of Europe. When it does, though, it quickly and irrevocably changes the English language and its literature, producing a crop of earnest, sophisticated, and delightful literary and dramatic writers like More, Wyatt, Spenser, Sidney, Kyd, and Marlowe. In addition to these and other authors, this course will consider the literary, religious, political, and cultural conditions of the era.

*Prerequisite: 6 credits in English*

**EN 390 Seminar in Modern Literary Theory (3) A**

This course introduces and examines the various theories of literary interpretation. We will begin the course by studying the history of modern literary theory and criticism. By examining major theoretical movements such as Deconstruction, Reader-Response, and Feminism the course aims to equip students with the tools of critical analysis.

*Prerequisite: 6 credits in English*

**EN 391 Seminar in Early Literary Theory (3) B**

This course will examine central statements about the nature and effect of language and literature from the classical era to the nineteenth century. Thinkers considered may include Plato, Aristotle, Augustine, Dante, Sidney, Schiller, Hegel and Nietzsche.

*Prerequisite: 6 credits in English*

**EN 399 Special Topics in English Literature (3) O**

Special studies in literature, as announced.

*Prerequisite: Permission of the department*

**EN 400 Modernism (3) B**

This course examines the British and American movement that takes place in literature between 1890 and 1930. Poetry, novels, and critical essays will be studied in the context of Modernism, a distinct and vital movement that changed the way we perceive literature and art.

*Prerequisite: 6 credits in English*

**EN 404 English Literature Educational Travel Study:  
Literary Landscapes (3) O**

This course provides students a literary travel experience in England, Wales, and Scotland for some fourteen to seventeen days, during the month of May. The travel experience builds on and draws from English courses in the Ambrose English program that emphasize the English literary tradition, for example EN 340 Milton, EN 350 Shakespeare I, EN 360 The Nineteenth-Century Novel, and EN 380 Romanticism. These courses are not prerequisites, but they are strongly recommended foundations for the travel study experience of EN 404. Although the itinerary varies from year to year, the course gives students firsthand experiences with the locations and landscapes that shape (and are shaped by) key literary texts from Great Britain.

*Prerequisite: 3 credits in English at the 200-level*

**EN 405 Special Topics in English Literature (3) O**

Special studies in literature, as announced.

*Prerequisite: Permission of the department*

**EN 410 Postcolonial Literature (3) O**

Postcolonial literature written in English (fiction, poetry, and drama) from Africa, Australia, Britain, Canada, India, New Zealand, and the United States is the focus of this course. Topics will include the forms and language use in texts; indigeneity and migration; intersections of gender and race; and resistance, nationalism, multiculturalism and history.

*Prerequisite: 6 credits in English*

**EN 420 Ecocriticism (3) O**

Ecocriticism approaches literature to study the relationship between humans and the non-human. Although this last category might be expressed as the physical environment or creation, defining eco-criticism as a means of examining our relationship to that which is not human foregrounds the need to analyze critically the term human to understand the values, assumptions, and actions that characterize our treatment of the world in which we live. Ecocriticism, then, is much more than a vogue that responds to a broadly felt and articulated set of environmental concerns that are associated particularly with the last five decades of human history. Rather, eco-criticism serves as a fitting means not merely to read differently, but also to think differently about ourselves and the ways that literature represents ourselves, the environment, and the non-human.

*Prerequisite: 6 credits in English*

**EN 451 Shakespeare II (3) B**

Shakespeare's plays have provoked more critical analysis than the works of any other writer in English. This seminar course takes a detailed look at a selection of plays, their stage and print history, and the fascinating questions of interpretation that surround these. While EN 350 is not a prerequisite, this course will build on the knowledge and reading skills it teaches.

*Prerequisite: 6 credits in English*

**EN 455 Russian Masters (3) O**

In this course, students read some of the most significant Russian writers of the nineteenth and twentieth centuries. Works will be read in English translation, but where appropriate the professor will highlight translation infelicities, inadequacies, and excellencies. Works studied include Leo Tolstoy, The Kreutzer Sonata; Fyodor Dostoevsky, Crime and Punishment; Mikhail Bulgakov, The Master and Margarita; Anton Chekhov, key short stories; and Aleksandr Pushkin, Eugene Onegin.

*Prerequisite: 6 credits in English*

**EN 470 Seventeenth-Century Literature (3) B**

In terms of variety and quality, seventeenth-century literature is one of the richest periods in English literature. This course gives special attention to the period's key figures such as Ben Jonson, John Donne, George Herbert, Mary Wroth, Aemelia Lanyer, and Anna Trapnel. The poetry of John Donne and George Herbert will provide the opportunity for students to study the blossoming of religious poetry that is both sincerely devout and artistically excellent.

*Prerequisite: 6 credits in English*

**EN 480 Literature by Women (3) B**

Although the theories of feminism are now well rehearsed, in literary studies a good many women authors are simply not yet read by students because sourcing primary texts is often a difficult task. The most recent decades of scholarly activity, however, are now coming to fruition in that numerous overlooked and heretofore inaccessible or unavailable texts by women are now more readily obtainable. This course endeavors to survey both major and minor female authors from the late Middle Ages through to the end of the twentieth century.

*Prerequisite: 6 credits in English*

**EN 485 Capstone Seminar (3) A**

Run as a seminar, this course serves as an occasion for graduating students to integrate and consolidate their literary training by undertaking a research topic under the supervision of their instructor. The seminar will also provide a forum to help students make appropriate transitions to the next season of their professional lives.

*Prerequisite: Restricted to students in the English major program and to be taken in the last year of study.*

**EN 490 Independent Study (3) O**

Independent Study consists of an individual research project that investigates a problem area or topic not treated extensively in a regular course.

*Prerequisite: Permission of the department and a minimum cumulative GPA of 3.0*

**FRE 101 Introductory French: Beginners' Level I (3-2) A**

Designed for students with no previous knowledge of French, this course introduces basic grammar, conversation, reading, and writing in French. This course includes a two-hour lab weekly.

**FRE 103 Introductory French: Beginners' Level II (3-2) A**

A continuation of FRE 101, or for those learners who possess some knowledge of the French language. It is designed to further basic grammar, conversation, reading, and writing skills in French. This course includes a two-hour lab weekly. Placement tests available.

*Prerequisite: FRE 101 or French 20*

**FRE 201 First-Year University French I (3-2) A**

A continuation of Beginners' French with a focus on building upon the basics of the French language. This will include further development of grammar, reading, comprehension, and composition skills, as well as an introduction to French literature. The course includes a two-hour lab weekly. Placement tests available.

*Prerequisite: French 30, or FRE 103, or equivalent*

**Field Education**

The intent of the Field Education courses (FE) is to produce reflective practitioners who are able to integrate the art of theological reflection with professional ministry practice. While there is active ministry engagement in a practicum site, the purpose is to learn to reflect on experience, making theological and biblical connections in class and then going back into the practicum site to improve ministry practice.

*Please note: FE courses may not be taken for audit. FE credits can only fulfill degree requirements in Faculty of Theology undergraduate programs.*

**FE 200 Practicum and Reflection I (1.5) A**

Practice in theological reflection: The use of classroom knowledge and skills to assess ministry and other life experiences. Students will assess calling and vocation, and consider the relation of spiritual life and the professional practice of ministry.

**FE 201 Practicum and Reflection II (1.5) A**

*This course is a continuation of FE 200. Prerequisite: FE 200*

**FE 300a/b, FE 320a/b, FE 340a/b, FE 360a/b,****Internship (5 months) (6) A**

Care must be taken to register for the correct internship for one's degree program. (FE 300a/b Church Ministries, FE 320a/b Children and Family Ministry, FE 340a/b Youth Ministries, FE 360a/b Intercultural Studies). Students must have completed 75 credits to be eligible for Internship. Prerequisites for Internship are listed below. For more detailed information about Internship please see The Internship Program.

**FE 300a/b Church Ministries Internship**

FE 200 Practicum and Reflection I

FE 201 Practicum and Reflection II

PST 301 Homiletics

PST 302 Practical Theology

**FE 320a/b Children and Family Ministry Internship**

FE 200 Practicum and Reflection I

FE 201 Practicum and Reflection II

PST 321 Teaching Children for Faith Formation

PST 319 Volunteer Ministry

FE 340a/b Youth Ministries Internship

FE 200 Practicum and Reflection I

FE 201 Practicum and Reflection II

PST 302 Practical Theology

PST 341 Strategies of Youth Ministry

**FE 360a/b onSite/Intercultural Studies Internship**

FE 200 Practicum and Reflection I

FE 201 Practicum and Reflection II

ICS 202 Cultural Anthropology

ICS 205 Intercultural Competence

Student must apply and be accepted for onSite. Successful completion of this internship includes successful completion of ICS 100 onSite Language I and ICS 301 onSite History and Culture.

**FE 390 Ministry Coaching (6) A**

This course, which is an alternative to Internship, is designed for those who already have extensive ministry experience as determined by the Director of Field Education. The intent of this course is for a student to seek and build an intentional relationship with a ministry mentor for the purposes of personal and theological reflection on the practice of ministry and mutual accountability. The student will engage in evaluation with the mentor. For more detailed information about Internship please see The Internship Program.

*Prerequisite: Approval of the Director of Field Education*

**FE 400 Transition to Vocational Ministry (3) A**

Clarification and integration of a personal philosophy of ministry upon completion of internship, including consideration of calling, giftedness, personal health, social trends and current practices in the contemporary church.

*Prerequisite: Completion of the Internship appropriate to a student's program*

**Fine Arts****FA 120 Fine Arts (3) O**

This course is an introduction to three areas of the visual arts: art history of the nineteenth century to the present, art fundamentals, and art criticism. These aspects will be explored through a combination of lectures by the instructor, student presentations, simple hands-on studio activities and exposure to art and art ventures through visits to a variety of galleries and museums.

*Note: Class limit of 20 students*

**FA 240 Aesthetics (3) B**

This course introduces students to the philosophical issues related to art and the apprehension of beauty. A variety of metaphysical and epistemological concerns will be addressed: What is art? What is beauty? Is art artificial or can it be natural? What is the nature and the role of the artist? Do works of art have meaning and if so, how are these meanings derived? Objectivism, formalism, subjectivism, and expressivism will be explored.

## Geography

### GEOG 120 Physical Geography (3) A

An introduction to the science of spatial pattern, variation, process, and interrelationship of Earth's major surface systems along with their influence on human habitat and human interdependence with the planet, including elements of atmosphere, waters, landforms, soils, and biotic communities.

## Geology

### GEO 109 Introduction to Geology (3) O

This course looks at the composition and structure of the Earth – surface and internal processes, rocks and minerals. This course includes out-of-class tutorials and field trips including a trip to the Royal Tyrrell Museum.

## History

### HI 141 World History to 1500 (3) A

An introductory survey of the diverse civilizations of the world from the ancient era through the western Middle Ages and Renaissance. This course examines the rise of civilization, the development of empires, and points of contact between civilizations in Mesopotamia, India, China, the Mediterranean, Africa, and the Americas.

### HI 142 World History since 1500 (3) A

An introductory survey of the diverse civilizations of the world from the western "Age of Discovery" to the present. This course examines the growing consciousness in the western world of the nature of non-western civilizations, the modern growth of European domination over the globe, and the recent trend toward globalization.

### HI 200 Canada since Confederation (3) B

A survey of the history of Canada since Confederation, considering social, cultural, environmental, economic, political, and constitutional developments between the 1860s and the 2000s, encompassing settler communities, Canada's indigenous peoples, and new Canadians.

### HI 204 History Educational Travel Study (3) O

This course combines educational travel, study, and reflection to examine one or more historical periods or themes. Destinations vary from year to year.

*Prerequisite: Permission of the department*

### HI 205 The United States since the Civil War (3) O

A survey of the history of the United States, highlighting its development as a liberal, urban industrial nation and its growth to world dominance.

*Prerequisite: 3 credits in History*

### HI 215 Introduction to Canadian Politics (3) O

An introduction to the Canadian political system from the perspectives of political science and history. Topics will include the executive, legislative, and judicial branches of the federal government, the constitution, federal-provincial relations, the electoral process, and the role of ordinary citizens in the political process.

*Note: This course is cross-listed as POLI 215*

### HI 220 Medieval Europe (3) B

A survey of European medieval history from the fall of the Western Roman Empire until the end of the Hundred Years War (1453).

*Prerequisite: 3 credits in History*

### HI 225 Modern Revolutions (3) B

An examination of political revolutions—primarily in the Western world—from the eighteenth to the twentieth century. Topics include the American and French Revolutions, the struggle for representative constitutional government in the nineteenth century, the development of modern political ideologies, the emergence of political terrorism, and the rise of twentieth-century totalitarian movements.

*Prerequisite: 3 credits in History*

**HI 230 Ancient Empires: Greece and the Near East (3) B**

A survey of major societies in the ancient Near East and eastern Mediterranean that were broadly contemporary with ancient Israel. These include the Mycenaeans, Egyptians, Syro-Palestinians, Babylonians, Assyrians, Persians, and Greeks, from the Late Bronze Age to the Hellenistic monarchies after Alexander the Great. Topics include political and imperial systems, religious developments, the role of long-distance communications, and interactions between ancient societies and the physical environment.

*Prerequisite: 3 credits in History*

**HI 232 History of the Roman World (3) B**

A survey of the major developments in the history of Rome and its territorial possessions from the city's first settlements in the 8th century BC to the "fall of the Roman Empire" in late antiquity. Emphasis will be placed on the imperial period.

*Prerequisite: 3 credits in History*

**HI 246 History of Genocide and Mass Violence (3) B**

A study of genocide in the modern world, examining debates around the question of colonial genocides against indigenous peoples, the development of the modern concept of genocide, and various cases of mass violence in the twentieth century. Attention will also be given to the history of genocide prevention and post-genocide justice and reconciliation.

*Prerequisite: 3 credits in History*

**HI 250 Military History (3) O**

A survey of military history, including operations, strategies, and the relationship between war and society from the ancient world to the 19th century.

*Prerequisite: 3 credits in History*

**HI 263 History of Christianity (3) A**

An introduction to the global history of Christianity, with emphasis on the social and cultural context in which Christian beliefs, practices, and institutions developed.

**HI 272 History at the Movies (3) B**

An introduction to the depiction of history in popular film. Themes and films will vary from year to year.

*Prerequisite: 3 credits in History*

**HI 280 History in Practice (3) A**

An introduction to the nature, methods, and practice of history. Topics will include the nature of history as a discipline; historical sources and their analysis; library, archival, and Internet research; historical interpretation; and historical writing.

*Prerequisite: 3 credits in History*

**HI 299 Special Topics in History (3) O**

Special studies in History, as announced.

*Prerequisite: Permission of the department*

**HI 304 History Educational Travel Study (3) O**

This course combines educational travel, study, and reflection to examine one or more historical periods or themes. Destinations vary from year to year.

*Prerequisite: Permission of the department*

**HI 313 Topics in Christian History: Christianity in Canada (3) B**

A seminar course exploring the history of Christianity in Canada from early missions to indigenous peoples to the present. Particular attention will be given to lived religious experience and historical-cultural factors relating to Canadian thought, politics, nationalism, Indian Residential Schools, and social action.

*Prerequisite: 3 credits in History*

*Note: This course is cross-leveled at the graduate level as CH 710*

**HI 314 Western Canada (3) O**

A study of Canada's four western provinces from the late nineteenth century to the present. Themes will include the cultural, ethnic, and economic characteristics that have resulted in a variety of regionalisms and popular dissent movements. Particular attention is paid to treaty relations and the ongoing contributions of indigenous peoples.

*Prerequisite: 3 credits in History*

**HI 321 Vikings, Anglo-Saxons, and the Medieval North (3) B**

A study of the history and archaeology of Northern Europe, the British Isles, and the North Atlantic during the early Middle Ages, from the end of Roman Britain to the Christianization of Scandinavia. Topics will include ethnic identities and cross-cultural influences, warfare and political structures, and the role of the North in the political and economic development of medieval Europe.

*Prerequisite: 3 credits in History*

**HI 323 Topics in Christian History: The Protestant Reformation (3) B**

An investigation of the transition from medieval to modern Christianity through the events of the Protestant Reformation. Attention will be given to the contexts of the Renaissance, the German and Swiss Reformation movements, and the diverse expressions of sixteenth-century Christianity throughout Europe.

*Prerequisite: 3 credits in History*

**HI 333 Topics in Christian History: Early Christianity (3) B**

An examination of the major developments in the history of Christianity from its origins to the 7th century AD. Emphasis will be placed on doctrinal and theological developments and the social and political context of the Christian churches.

*Prerequisite: 3 credits in History*

**HI 345 History of the World Wars (3) B**

An analysis of the causes, course, and outcomes of the First and Second World Wars, including international relations before 1914, during the interwar period, and into the Cold War.

*Prerequisite: 3 credits in History*

**HI 362 Alliance History and Thought (3) A****HI 362-OL Alliance History and Thought (3) A**

A survey of the origins of The Christian and Missionary Alliance in its social, cultural, and theological contexts. The course also examines and evaluates various continuities and changes in C&MA thought and practice.

*Prerequisite: REL 161 or HI 263. Prerequisite will be waived for students who are in a denominational credentialing process.*

*Note: This course is cross-listed as REL 362 and is cross-leveled at the graduate level as CH 610/TH 640.*

*Note: For the online version of the course there is a class limit of 20 students and preference is given to those living outside of Calgary.*

**HI 363 Topics in Christian History: Evangelicalism (3) O**

A seminar course on the ways in which Evangelicals have shaped and have been shaped by the social, political, economic, and religious culture of Britain, Canada, and the United States. Attention will be given to subjects such as revival, social reform, missions, gender, secularization and the relationship between evangelicalism and capitalism.

*Prerequisite: 3 credits in History*

**HI 370 Public History (3) A**

A seminar course studying the ways in which history is put to "public" use. Attention will focus on ways representations of the past are marshalled to create and reproduce "usable" meanings and how these meanings have come into conflict. Students will also be involved in a public history project applying their skills and knowledge in a community-based research initiative.

*Prerequisite: 3 credits in History*

**HI 380 Applied Research in History (3) A**

An advanced, project-based research course. Topics and projects will vary from year to year. Normally, students and faculty will work collaboratively on research projects designed to serve the needs of local museums, historical sites, and historical societies.

*Prerequisite: HI 280*

**HI 399 Special Topics in History (3) O**

Special studies in History, as announced.

*Prerequisite: Permission of the department*

**HI 404 History Educational Travel Study (3) O**

This course combines educational travel, study, and reflection to examine one or more historical periods or themes.

Destinations vary from year to year.

*Prerequisite: Permission of the department*

**HI 405 Special Topics in History (3) O**

Special studies in History, as announced.

*Prerequisite: Permission of the department*

**HI 412 Canada During the World Wars (3) B**

A study of social, cultural, and political developments in an era of rapid urbanization, industrialization, international turmoil and economic depression.

*Prerequisite: 3 credits in History at the 300-level*

**HI 422 Nazi Germany (3) B**

A seminar course examining the rise and rule of the Nazi Party as well as aspects of the Second World War, the Holocaust, the German Church Struggle, and the German Resistance.

*Prerequisite: 3 credits in History at the 300-level*

**HI 432 The Fall of Rome and the Collapse of Complex Societies (3) B**

A seminar course examining historical and anthropological scholarship on how and why some societies collapse. The course focuses on the collapse of political and economic complexity in the Western Roman Empire – the so-called “Fall of Rome” (4th-6th centuries A.D.) – but also compares other collapses across history, from the cities of the Maya to the shores of Rapa Nui/Easter Island.

*Prerequisite: 3 credits in History at the 300-level*

**HI 478 Historiography (3) A**

A capstone seminar examining past and current debates in the historical profession about what history is, and what it can and should do. Students will be given the opportunity to examine some of the current approaches to historical research and explore the relationship between historical thinking and Christian faith.

*Prerequisite: 3 credits in History at the 300-level*

**HI 480 History Practicum (3) O**

A practicum to be arranged with a local museum, historical society, or archive.

*Prerequisite: Permission of the department*

**HI 495 Independent Research in History (3) O**

An advanced research course consisting of the production of a single, substantial research paper. After the completion of a research proposal, the final paper will be based substantially on primary sources and include a detailed historiographical discussion.

*Prerequisite: Permission of the department and a minimum cumulative GPA of 3.0.*

**Intercultural Studies**

**ICS 100 onSite Language I (3) A**

Language study for students in the onSite program.

*Prerequisite: Permission of the Dean*

**ICS 201 onSite Language II (3) A**

Extended language study for students in the onSite program.

*Prerequisite: Permission of the Dean*

**ICS 202 Cultural Anthropology (3) A**

Introduction to cultural anthropology including the concepts of culture, language, status and role, marriage and the family, kinship, legal systems, social groups. Students learn about participant-observation methods using cultural locations in and around Calgary.

**ICS 204 Intercultural Studies Travel Study (3) O**

Travel study provides experiential learning about issues in intercultural studies. Preparatory reading and post-travel written assignments are required. The location will depend on the expertise of the instructor.

*Prerequisite: Completion of 60 credits and permission of the Dean*

**ICS 205 Intercultural Competence (3) A**

Foundational principles and necessary skills for effective communication between people based on an understanding of culture and worldview. Attention will be given to the impact of culture on the shaping of worldview, communication, thinking, values and verbal and non-verbal behaviour and the important role of social, cultural and historical contexts in human interactions.

**ICS 299 Special Topics in Intercultural Studies (3) O**

Special studies in Intercultural Studies, as announced.

*Prerequisite: Permission of the Dean*

**ICS 301 onSite History and Culture (3) A**

Study of regional history and culture for students in the onSite program.

*Prerequisite: Permission of the Dean*

**ICS 302 Ethnographic Research (3) B**

Introduction to ethnographic research methods for cross-cultural contexts including selection of research topics, literature search, data collection methods (participant observation; unstructured, semi-structured and structured interviewing), managing, coding and qualitative analysis of data, presentation of results, and the writing of an ethnographic report. Ethical questions of ethnographic research will be considered.

*Prerequisite: ICS 202 and ICS 205*

**ICS 303 Global Forms of Violence Against Women (3) B**

A study of theoretical explanations of violence against women in the Majority World and Western societies, including Female Genital Mutilation (FGM), infanticide, female foeticide, honour-killings, early child-marriage, prostitution, and Gender Based Violence (GBV). Particular attention will be given to the ways in which Christianity has been used to legitimate and counteract violence against women.

*Prerequisite: REL 105 or REL 161*

**ICS 304 Intercultural Studies Travel Study (3) O**

Travel study provides experiential learning about issues in intercultural studies. Preparatory reading and post-travel written assignments are required. The location will depend on the expertise of the instructor.

*Prerequisite: Completion of 60 credits or permission of the Dean*

**ICS 305 Intercultural Studies Practicum (6) A**

This 7-12 month practicum provides the student with immersion into another culture for the purpose of integrating classroom input with experience in a cross-cultural setting using a number of formal, informal and non-formal learning activities. The student is involved in an opportunity that complements his/her degree. The student will experience life with a local family for at least a few weeks of their time in the nation, and will engage in intentional culture and language learning. The primary focus is on the student and on the international worker-mentor as a teacher-leader

*Prerequisite: FE 200, FE 201, ICS 202, ICS 205*

**ICS 404 Intercultural Studies Travel Study (3) O**

Travel study provides experiential learning about issues in intercultural studies. Preparatory reading and post-travel written assignments are required. The location will depend on the expertise of the instructor.

*Prerequisite: Completion of 60 credits and permission of the Dean*

**ICS 399 Special Topics in Intercultural Studies (3) O**

Special studies in Intercultural Studies, as announced.

*Prerequisite: Permission of the Dean*

**ICS 405 Special Topics in Intercultural Studies (3) O**

Special studies in Intercultural Studies, as announced.

*Prerequisite: Permission of the Dean*

**ICS 490 Independent Study (3) O**

Independent Study consists of an individual research project which investigates a problem area or topic not treated extensively in a regular course.

*Prerequisite: Permission of the Dean with a minimum cumulative GPA of 3.0*

**ICS 499 Intercultural Ministry Capstone (3) A**

An integrative capstone seminar that serves as an occasion for graduating student to integrate and consolidate the various dimensions of their Intercultural Ministries program. In the seminar, students will explore the pragmatic application of their fields of knowledge, the ways this can lead to vocation and service in the world community, as well as their transition to further ministry. Restricted to students in the BTh (ICM) program in their final year of study.

*Prerequisites: FE 360a/b (onSite)*

**Interdisciplinary Studies****IND 201 Leadership Development (3) A**

An experiential student leadership course which starts in the spring and includes two subsequent semesters. The course includes an online and outdoor adventure education component. Readings, assignments, journaling, seminars, and practical experiences will help students reflect on and integrate theory with practical experience to enhance leadership development.

*Prerequisite: Restricted to students who hold an approved Ambrose student leadership or club position and permission of the instructor required.*

**IND 287 Science and Faith (3) B**

This course explores the complex relationship between science and Christian faith, with a particular focus on evolutionary biology. Topics include: models of science-faith interactions; science and religion as ways of knowing; and Christian interpretations of evolution. The bulk of the course will be spent on discussing the four main contemporary Christian perspectives: Young Earth Creationism, Old Earth

Creationism, Intelligent Design, and Theistic Evolution.

These perspectives will be placed in their historic and contemporary contexts, and will be compared and contrasted for their theological understandings of Creation, Fall, Flood, image, and human origins.

*Prerequisite: 3 credits in REL*

*Note: This course cannot apply as a senior REL course in any program.*

**IND 288 Art and Faith I (3) A**

This course explores the historical relationship between the Christian Church and visual and performing arts until 1899. Historical and biographical sources will be used alongside musical, dramatic, and visual art to examine this relationship. Topics may include early Christian symbols, early liturgical use of music and theatre, the secularization of musical and dramatic presentation, the impact of the Reformation on art creation, and the shift from the patronage system to the "Artist as individual." Students will be asked to consider how artistic trends are incorporated into worship arts, the value of arts creation outside of a worship environment, and the examination of student faith traditions relating to art.

*Prerequisite: REL 105 or REL 161*

*Note: This course can apply as a Fine Arts elective in any program but cannot apply as a senior REL course.*

**IND 289 Art and Faith II (3) A**

This course explores the historical and contemporary relationship between the Christian Church and visual and performing arts from 1827 to the present. Historical and biographical sources will be used alongside musical, dramatic, and visual art to examine this relationship. Topics include Romanticism and the dissolution of patronage, World War I and the response of modernist artists, Post-modernism, boundaries in art creation and consumption, and artists in the contemporary Church. Students will be asked to consider how artistic trends are incorporated into worship arts, the value of arts creation outside of a worship environment, and the examination of student faith traditions relating to art. Finally, students will be asked to engage in some form of artistic praxis with their home or local church community in an agreed upon artistic collaboration.

*Prerequisite: REL 105 or REL 161*

*Note: This course can apply as a Fine Arts elective in any program but cannot apply as a senior REL course.*

## Kinesiology

### **KIN 117 Athletics Leadership and Service (1.5) B**

An exploration of the fundamentals of peer and team leadership and how they apply to the realm of athletics and campus recreation. Students will have practical opportunities to lead through service to teams and the athletic department as well as helping to plan and run events within the athletics calendar. Students will improve their personal leadership skills and be a voice into the athletic department.

*Notes: This course does not fulfill a Science elective in any program. This course can only apply as Open Elective in any program.*

### **KIN 121 Physical Activity Skills – Basketball Fundamentals (1.5) A**

An introductory basketball course that focuses on the fundamental skills and tactics used in game situations. The course will also involve principles of biomechanics, motor learning, rules, teaching progressions, detection and correction of errors and safety considerations in teaching and/or coaching basketball. This course will run over half of a semester and be worth 1.5 credits.

*Notes: This course does not fulfill a Science elective in any program. This course can only apply as Open Elective in any program.*

### **KIN 122 Physical Activity Skills – Volleyball Fundamentals (1.5) A**

An introductory volleyball course that focuses on the fundamental skills and tactics used in game situations. The course will also involve principles of biomechanics, motor learning, rules, teaching progressions, detection and correction of errors and safety considerations in teaching and/or coaching volleyball. This course will run over half of a semester and be worth 1.5 credits.

*Notes: This course does not fulfill a Science elective in any program. This course can only apply as Open Elective in any program.*

### **KIN 123 Physical Activity Skills – Futsal Fundamentals (1.5) B**

An introductory Futsal course that focuses on the fundamental skills and tactics used in game situations. The course will also involve principals of biomechanics, motor learning, rules, teaching progressions, detection and correction of errors and safety considerations in teaching and/or coaching Futsal. This course will run over half of a semester and be worth 1.5 credits.

*Notes: This course does not fulfill a Science elective in any program. This course can only apply as Open Elective in any program.*

### **KIN 124 Physical Activity Skills – Group Fitness (1.5) B**

An introduction to fitness activities that are taught in a group setting including (but not limited to): indoor cycling, step, kick boxing, aqua fitness, mixed aerobics, muscular conditioning, interval training and stretch classes. This course will be 24 hours in length and worth 1.5 credits.

*Notes: This course does not fulfill a Science elective in any program. This course can only apply as Open Elective in any program.*

### **KIN 127 Physical Activity Skills – Outdoor Pursuits (1.5) O**

A field experience course in backcountry hiking and camping. This course involves a 3- to 4-day back country hike to Lake of the Falls in Kananaskis, camping along the way. Students will learn survival techniques, trip-planning, and food and camp preparation.

*Prerequisite: Permission of the instructor*

*Notes: This course does not fulfill a Science elective in any program. This course can only apply as Open Elective in any program.*

### **KIN 201 Introduction to Kinesiology (3) A**

This course will introduce students to the mechanics and physiology of movement, as well as the short and long term benefits of exercise. It will also discuss the role of exercise in health, disease, and physical therapy.

*Prerequisite: BIO 133*

**KIN 241 Introduction to Coaching (3) B**

This course will provide the student with a foundation on which to establish their coaching skills. The course will touch on foundational topics and skills in coaching including but not exclusive to: recruitment and team selection, practice-planning and drill selection, technical skill instruction and skill error detection/correction, biomechanics, nutrition, skill acquisition, and safety management. This course will also provide some practical experience of coaching sessions and qualify students for NCCP Level #1 accreditation.

*Notes: This course does not fulfill a Science elective in any program. This course can only apply as Open Elective in any program.*

**KIN 243 Coaching and Leadership (3) B**

Coaching and Leadership is the study of influence in the sporting environment and integrates leadership lessons with athletic and coaching practices. Students will discover answers to questions such as: Who am I as a leader and coach? Why do I coach and what is my coaching philosophy? How will I effect change in my athletes? What is the purpose or vision for my athletes and team? With a term project of creating a seasonal plan for their sport and team of choice, students will be challenged to incorporate coaching and leadership strategies into an executable plan. Instruction will consist of lectures, group work, and in-sport observation.

*Notes: This course does not fulfill a Science elective in any program. This course can only apply as Open Elective in any program.*

*Prerequisite: KIN 241*

**KIN 255 Growth and Development (3) B**

This course will teach the physiological and anatomical in the human body through development and childhood, as well as discussing the changes seen with aging. It will teach the effects of aging on body physiology and psychology, and discuss possible physical therapies to counter these effects.

*Prerequisite: BIO 131 and BIO 133*

**KIN 323 Integrative Physiology (3) B**

This advanced physiology course will enhance previous knowledge on body systems by discussing how different body systems interact with each other – including cardio-pulmonary and cardio-renal interactions, as well the integrated body effects of stress, exercise, growth, and disease.

*Prerequisite: ZOO 263*

**KIN 334 Sports Psychology (3) B**

Sport psychology is the scientific study of people involved in sport and exercise activities. In this course, students will learn about how factors such as personality, motivational and emotional states can affect sport performance and exercise. Topics covered will include: sport and exercise environments, group processes, performance improvement, enhancing health and well-being, and facilitating psychological growth and development. Students will also learn how to effectively apply the latest knowledge and theories into various real life situations. Sport psychology is a foundational course for students who plan on pursuing a career in coaching, sport and exercise psychology, as well as kinesiology.

*Prerequisite: PS 121*

*Notes: This course cannot fulfill a Science elective for students in a Behavioural Science program. This course is cross-listed as PS 334.*

**KIN 335 Sports Injuries and Rehabilitation (3-1) O**

This course will be a combination of lectures, directed study, and practical work. It can be completed over one term or two. Lectures will include topics such as the physiology of sports injuries, injury prevention and rehabilitation, and training methods. Directed study will enhance these topics and include the most up-to-date research in these areas. Hands-on practical work and tutorials will include training methods and injury rehabilitation (e.g. taping methods and rehabilitative exercises, etc.)

*Prerequisite: KIN 201*

**KIN 351 Coaching Psychology (3) B**

This course will cover various psychological principles associated with sports. Discussions will consider the psychological variables that can hinder or enhance athletic performance. Class content will illustrate numerous psychological techniques that can be used to this end. At the conclusion of the class, the student should possess a better understanding of why athletes succeed or fail based upon theoretical principles. This introductory course is ideal for students who wish to work with athletes in some capacity, pursue a career in physical education teaching and/or coaching, or plan on working in the health and fitness industry.

*Prerequisite: KIN 241 or PS 121*

**KIN 367 Exercise Physiology (3-3) B**

This course will cover the physiological changes seen with exercise and fitness, with special focus on the muscular, nervous, cardiovascular, and respiratory systems. It will also focus on the effects of physical conditioning and training.

*Prerequisite: ZOO 263*

**KIN 385 Biomechanics (3-3) B**

This course will cover the biomechanical properties of tissues and organs and will discuss the effects of these properties on function. Methods for the analysis of deformational mechanics will be introduced as they apply to biological tissues including bone, muscle, and connective tissues. Analysis of movement will also be discussed at a biomechanical level.

*Prerequisite: ZOO 261 and ZOO 263*

*(PHY 111 is recommended)*

**Languages - Ancient****GR 100 New Testament Greek I (3) B**

The first half of an introduction to the grammar, syntax, and vocabulary of the Greek New Testament that is completed in GR 201.

**GR 201 New Testament Greek II (3) B**

A continuation of GR 100 that introduces grammar, syntax, and vocabulary not covered in GR 100. Principles of translation are introduced as New Testament passages from the gospels, Pauline epistles and 1 John are translated.

*Prerequisite: GR 100*

**GR 300 New Testament Greek III (3) B**

A reading course involving extensive reading in the Greek New Testament and further study of grammar, syntax, and vocabulary.

*Prerequisite: GR 201*

**HEB 200 Biblical Hebrew I (3) B**

An introduction to the grammar, syntax and vocabulary of biblical Hebrew taught inductively from the Book of Esther.

**HEB 201 Biblical Hebrew II (3) B**

A continuation of HEB 100. Basic principles of exegesis are introduced.

*Prerequisite: HEB 200*

**HEB 300 Biblical Hebrew III (3) B**

A reading course involving extensive reading in Biblical Hebrew and further study of grammar, syntax, and vocabulary.

*Prerequisite: HEB 201*

## Mathematics

### **MA 110 Introduction to Mathematics for Business (3-1) A**

Basic concepts in mathematics with applications in business. Topics include linear systems, quadratics, sequences, exponential and logarithmic functions. Applications include compound interest, annuities, and linear programming.

*Prerequisite: Math 30-1 or Math 30-2*

*Note: This course is not intended for students majoring in Biology.*

### **MA 111 Linear Algebra (3-1) B**

This course teaches linear equations, matrices, and vectors with elements and applications to coordinate geometry.

*Prerequisite: Math 30-1*

### **MA 149 Introductory Calculus (3-2) B**

This course teaches functions and graphing, integrals and derivatives as well as exponential, trigonometric and logarithmic functions.

*Prerequisite: Math 30-1*

### **MA 151 Calculus I (3-1) B**

This course teaches functions and graphing, integrals and derivatives as well as exponential, trigonometric and logarithmic functions. Must have high school calculus to take this class.

*Prerequisite: Math 30-1 and 31*

### **MA 153 Calculus II (3-1) O**

This course teaches methods of integration, differential equations and their applications.

*Prerequisite: MA 149 or MA 151*

## Medical Science

### **MED 231 Medical Terminology (3) B**

This course will introduce students to the general terms, prefixes, and suffixes used in medical terminology – a valuable tool for the medical fields.

*Prerequisite: BIO 133*

### **MED 275 Health and Wellness (3) B**

This course will cover the aspects of health and wellness and the importance of a healthy lifestyle. The course content includes physical fitness, stress management, nutrition, and a positive self-image. It will also address health problems related to aging, obesity, substance abuse, stress, STD's, and socio-economic status.

*Prerequisite: One of the following: BIO 133, BIO 105, KIN 201*

### **MED 469 Current Topics in Health and Medicine (3) O**

This seminar course will discuss current topics, applications, and controversies in the medical field. It will include journal paper reviews and student presentations.

*Prerequisite: ZOO 261 and ZOO 263*

## Music

### **MU 100 An Introduction to Music (3) O**

An introductory survey of the history, genres, and composers of Western art music from the medieval era to the present. This course includes the study of musical vocabulary, musical elements, and the development of musical style in its cultural contexts. Students will encounter key musical works through regular exercises in focused listening. The development of film music, jazz, and pop will also briefly be considered. Prior musical training is not required.

### **MU 125a Aural Skills I (1.5–1.5) B**

A practical approach to the development of aural skills including melody, rhythm, harmony and sight-singing. Students are required to register for both MU 125a in Fall semester and MU 125b in Winter semester for a total of three credits.

*Prerequisite: RCM Advanced Rudiments or equivalent*

**MU 125b Aural Skills I (1.5–1.5) B**

A continuation of MU 125a, providing a practical approach to the development of aural skills including melody, rhythm, harmony and sight-singing.

*Prerequisite: MU 125a*

**MU 126 Musical Structures I (3) B**

An introduction to the elements of Western art music and their notation with application to the design of musical lines and texture. The course will focus primarily on diatonic harmonic function and will include an introduction to species counterpoint.

*Prerequisite: RCM Advanced Rudiments or equivalent*

**MU 140/141/240/241/340/341 Applied Music (1.5) A**

Private lessons in voice or instrument; one-half hour per week for one semester.

*Prerequisite: Permission of the department*

*Note: Student must earn 3 credits at the 100-level before progressing to senior level courses.*

**MU 157/158/257/258/357/358/457/458 Instrumental Ensemble (1.5) A**

Instrument ensemble that involves various instrumental combinations that reflect student demand and availability.

*Note: Ensembles must be taken in numerical order. In addition to the requirements of the first two terms of instrumental ensemble, students will be required to participate concurrently in a large vocal ensemble for two terms. No additional credit will be given or additional fees assessed.*

**MU 180/280/281/282/380/381/480/481 Applied Music (3) A**

Private lessons in voice or instrument; one hour per week for one semester. Note: Student must earn 3 credits at the 100-level before progressing to senior level courses.

*Prerequisite: Permission of the department. Normally only offered to students in Bachelor of Arts: Music or Bachelor of Music programs.*

**MU 190-1/191-1/290-1/291-1/390-1/391-1/490-1/491 -1 University Singers (1.5) A**

A choral experience that is open to all students. Participants are encouraged to complete the entire year for three credits. An audition is required.

*Note: Student must earn 3 credits at the 100-level before progressing to senior level courses.*

**MU 201 Musics of the Western World (3) B**

An experiential and historical approach to a diversity of Western musical styles. The course will normally consist of a series of segments dealing with Opera, Jazz, and Musical Theatre.

*Note: This course does not satisfy a senior Music elective for music program students.*

**MU 202 Crossroads: The Blues in Popular Music (3) B**

An introduction to the development, influence and expressions of the blues in American popular music and society.

*Prerequisite: The completion of 30 credits of undergraduate study*

*Note: This course does not satisfy a senior Music History elective for music program students.*

**MU 203 History of Music I (3) B**

A general survey of the genres, performance practices, composers, performers and cultural context of Western art music from early Christian music to the beginning of the Baroque period.

*Prerequisite: A strong musical background is recommended for non-music majors. Permission of the department.*

**MU 204TS Music Educational Travel Study (3) O**

This course combines educational travel, study and reflection to examine one or more themes in the area of music. Destinations vary.

*Prerequisite: Permission of the department*

**MU 207 History of Music II (3) B**

A general survey of the genres, performance practices, composers, performers and cultural context of Western art music from the Baroque period to the Classical period.

*Prerequisite: MU 203 or permission of the department*

**MU 211 History of Music III (3) B**

A general survey of the genres, performance practices, composers, performers and cultural context of Western art music from the Romantic period to the present.

*Prerequisite: MU 207 or permission of the department*

**MU 212 Basic Conducting (3) A**

A study and application of the fundamental skill of conducting.

*Prerequisite: RCM Advanced Rudiments or equivalent, MU 125a and MU 125b.*

**MU 215 Piano Pedagogy I (3) B**

A study of teaching the piano and its literature from the beginning student to the intermediate level. This course will provide an emphasis on piano teaching principles, the psychology of teaching, and problems in the teaching of private lessons.

*Prerequisite: Permission of the department*

**MU 225a Aural Skills II (1.5 - 1.5) B**

A continuation of MU 125b, providing a practical approach to the development of aural skills including melody, rhythm, harmony and sight-singing.

*Prerequisite: MU 125b*

**MU 225b Aural Skills II (1.5 - 1.5) B**

A continuation of MU 225a, providing a practical approach to the development of aural skills including melody, rhythm, harmony and sight-singing.

*Prerequisite: MU 225a*

**MU 226 Musical Structures II (3) B**

An expansion of the concepts and materials of diatonic harmony as begun and presented in MU 126 with special emphasis modulation, diatonic seventh chords, melody writing structural analysis, and an introduction to chromatic harmony and form.

*Prerequisite: MU 126 or equivalent*

**MU 270 Jazz Improvisation (3) B**

An introduction to basic jazz improvisational techniques and understandings. Application to the student's chosen jazz instrument will be required.

*Prerequisite: MU 126 and permission of the department*

**MU 272 Jazz History (3) B**

This course will introduce the student to the significant historical and stylistic elements of the development of jazz, including notable personalities and their unique contributions to jazz.

*Prerequisite: RCM Advanced Rudiments or equivalent*

**MU 299 Special Topics in Music (3) O**

Special themes in Music, as announced.

*Prerequisite: Permission of the department*

**MU 304TS Music Educational Travel Study (3) O**

This course combines educational travel, study and reflection to examine one or more themes in the area of music. Destinations vary.

*Prerequisite: Permission of the department*

**MU 307 World Music (3) O**

An inquiry into the various issues and practices of world music. This will include exposure to a variety of musical cultures from around the world, inquiry into the relationship between culture and musical expression, understanding the use and function of music in society, exposure to the variety of instruments and musical styles, and identification of musical elements such as melody, rhythm, harmony, timbre, texture, and form. Some performance application may be included in the course.

*Prerequisite: MU 207*

*Note: This course will fulfill 3 credits in History of Music for Music program students.*

**MU 308 Popular Music from 1945 to the Present (3) B**

An inquiry into the various popular music styles of North America and Europe. This course will focus on popular musical practices, the connection to cultural movements, the use of various elements of music making, and significant performers in each style.

*Prerequisite: MU 207*

*Note: This course will fulfill 3 credits in History of Music for Music program students.*

**MU 312 Advanced Conducting (3) O**

A continuation of MU 212, dealing with the development of more complex conducting techniques. Topics include a study of rehearsal techniques, score preparation, repertory choice, and practical laboratory experience.

*Prerequisite: MU 212 and permission of the department*

**MU 315 Piano Pedagogy II (3) O**

A continuation of MU 215, topics will include the examination of more advanced repertoire for teaching purposes. There will be lecture demonstrations relating to various problems in the teaching of private lessons. Developing an understanding of musical style will be a significant part of the course.

*Prerequisite: MU 215*

**MU 325 Vocal Pedagogy (3) B**

An introduction to voice science, technology and pedagogical techniques used in the modern voice studio. This course is designed for voice students and vocal music educators.

*Prerequisite: 12 credits of Applied Music - Voice*

**MU 326 Composition I: Writing for Small Ensembles (3) B**

An applied theory course that focuses on composition and arranging for small choral and instrumental ensembles. Finale music notation program will be used.

*Prerequisite: MU 226*

**MU 344 Music Practicum I (3) O**

Observation and guided participation in the practical application of music in music-making settings including schools and churches.

*Prerequisite: Permission of the music department and completion of 60 credits of a Bachelor of Arts: Music or Bachelor of Music program.*

**MU 346 Music Practicum II (3) O**

Observation and guided participation in the practical application of music in a music-making setting, including schools and churches.

*Prerequisite: MU 344*

**MU 352 History of Music and Worship (3) B**

A study of the role of music in the historical development of Christian worship: practice, philosophy, function, and purpose.

*Prerequisite: The completion of 30 credits of undergraduate study*

**MU 355 History of Keyboard Music (3) B**

A focused look into piano music beginning with the late Sixteenth- and Seventeenth-Century English Virginalists and their contemporaries, and continuing through the Baroque, Classical, Romantic, Impressionistic, and Twentieth-Century Periods. Special attention will be given to keyboard music of the Nineteenth century.

*Prerequisite: Music student with minimum of 30 credits or non-music student with permission of the department.*

**MU 399 Special Topics in Music (3) O**

Special themes in Music, as announced.

*Prerequisite: Permission of the department*

**MU 401 Psychology of Music (3) B**

This course reviews important recent advancement in the interdisciplinary subject of psychology of music. It examines our current understanding on the role of human mental and brain functions in musical activities. Topics to be explored include the origins of music, the nature of sound and music, music perception, cognition and emotion, music acquisition and performance, the creative process of composing music, and the relationship of musical engagement and development of other intellectual abilities.

*Prerequisite: 3 credits in Psychology at the 300-level*

*Note: This course is cross-listed as PS 401.*

**MU 404 History of Music Seminar (3) B**

A seminar class which requires in-depth research into an area of music history.

**MU 404TS Music Educational Travel Study (3) O**

This course combines educational travel, study and reflection to examine one or more themes in the area of music. Destinations vary.

**MU 405 Special Topics in Music (3) O**

Special themes in Music, as announced.

*Prerequisite: Permission of the department*

**MU 416 Elementary Music Methods (3) O**

An introduction to pedagogical practices of teaching elementary music through the lens of Orff Schulwerk. Elements of Rhythm, Melody, Harmony, Form and Expression will be explored and experienced through a variety of media; singing, movement, active listening, and instrumentation (Body percussion, Non-Pitched Percussion and Pitched Percussion). Students will experience a sequential approach to curriculum delivery using processes ranging from imitation to literacy and literature to improvisation and performance.

*Prerequisite: RCM Advanced Rudiments or permission of the department*

**MU 426 Advanced Theory and Form (3) B**

A study of Chromatic harmony, augmented sixth chords, and chords of the ninth, eleventh, and thirteenth. The course will examine and analyze the forms of Impressionism and the late 19th century as well as forms and influences from the 20th century and beyond. Finale music notation program will be used.

*Prerequisite: MU 326*

**MU 427 Composition II: Arranging and Composition (3) B**

An advanced applied theory course which allows students to expand their music theory and composition skills, with significant emphasis on arranging of pre-existing materials, original composition, and orchestration for a variety of ensembles. Both choral/vocal and instrumental genres will be explored. Finale music notation program will be used.

*Prerequisite: MU 426*

**MU 475 Recital (3) O**

Instruction and guided research that culminates in a full recital.

*Prerequisite: Permission of the department. Normally open to students who are in their final year of study.*

**MU 485 Faith, Music and Society (3) A**

Inquiry into the use of music in faith and society including the value that is given to music as art, function, aesthetic value, and practice. Focus will be placed on a final project related to the student's interest and musical development.

*Prerequisite: Completion of 75 credits in a Bachelor of Music or Bachelor of Arts: Music program.*

**MU 490.1 Independent Study (3) O**

An individual research project which investigates a problem area or topic not treated extensively in a regular course.

*Prerequisite: Completion of 75 credits in a Bachelor of Music or Bachelor of Arts: Music program, permission of the department and a minimum cumulative GPA of 3.0.*

## Philosophy

### **PH 125 Introduction to Philosophy (3) A**

An introduction to philosophy through discussion of topics such as the criteria and limits of human knowledge, the mind/body problem, free will and determinism, the existence and nature of God, and ethics.

### **PH 201 Logic (3) B**

A course which helps students to think clearly and critically, and to present, defend, and evaluate arguments. Topics covered include inductive and deductive arguments, elementary formal logic, good and bad reasoning, everyday fallacies in common language, and problem solving techniques.

### **PH 202 Ethics (3) O**

This course will introduce students to both classical and contemporary perspectives on moral philosophy. In addition to normative ethics the course will examine issues in value theory and applied ethics. Students will encounter the broad range of ethical controversies including, but not limited to, biomedical and health care ethics, foreign aid, killing and letting die, and other problems of social justice.

*Prerequisite: PH 125*

### **PH 203 Philosophy of Religion (3) B**

This course is a philosophical examination of issues concerning the existence of God, the immortality of the soul, the occurrence of miracles, the particularity of revelation, the validity of religious experience, and the place of religion in morality. Attention will also be given to issues concerning the relationship between faith and reason and to the relationship between religion and science.

*Prerequisite: PH 125*

### **PH 210 Business Ethics (3) O**

This course applies ethical problem solving strategies to a variety of issues encountered in the business world including "whistle-blowing," honesty and advertising, affirmative action and hiring policy, employee privacy and drug testing, insider trading, product liability, corporate social responsibility, and issues in international business.

*Prerequisite: PH 125*

### **PH 211 Philosophy of Sport (3) O**

This course will introduce students to moral and aesthetic issues generated within the contexts of sport, leisure and health. The course will consider a broad sweep of questions, including for example, "What is the value of competition?" "What do sport and leisure contribute to personal and social well-being?" "Is there such a thing as a good foul, i.e., justified rule-breaking, justified cheating?" and "How should we think about beauty, self-improvement, and self-perfection?"

*Prerequisite: PH 125*

### **PH 230 Philosophy of Law (3) B**

This course exposes students to fundamental jurisprudential questions such as, "What is law?", "What is the relationship of morality to law and legal reasoning?", "What is the justification for punishment?" And the course examines the philosophical foundations of criminal law, tort law, contract law, property law, and constitutional law.

*Prerequisite: PH 125*

### **PH 240 Aesthetics (3) B**

This course introduces students to the philosophical issues related to art and the apprehension of beauty. A variety of metaphysical and epistemological concerns will be addressed: What is art? What is beauty? Is art artificial or can it be natural? What is the nature and the role of the artist? Do works of art have meaning and if so, how are these meanings derived? Objectivism, formalism, subjectivism, and expressivism will be explored.

*Prerequisite: PH 125*

### **PH 299 Special Topics in Philosophy (3) O**

Special studies in Philosophy, as announced.

*Prerequisite: Permission of the department*

### **PH 300 Philosophy of Science (3) O**

This course has three main objectives: to understand the nature of scientific reasoning and how that model has shaped and influenced our intellectual culture; to examine the ways in which science and Christian thought relate; and to evaluate the challenge of modern scientific theories and discoveries, including evolutionary biology, modern cosmology, and biotechnologies.

*Prerequisite: PH 125*

**PH 312 Justice (3) O**

This course seeks to illuminate the simple question, "What is justice?" by analyzing a breadth of moral and jurisprudential philosophy. A general survey of the traditional distinctions between corrective, distributive, and retributive justice will be undertaken. Particular attention will be paid to analyzing moral and legal justifications in cases where it seems the demands of justice are in conflict. Aristotle, Augustine, Aquinas, Kant, Rawls and Finnis (among others) will provide the theoretical foundations of the course.

*Prerequisite: PH 202*

**PH 320 Bioethics (3) B**

This course examines the moral concerns related to a variety of health related services, research programs, and medical interventions. Issues to be examined include, but are not limited to, abortion, euthanasia, genetic engineering, stem cell research, reproductive technology, commodification of organs and bodily tissue, patient consent, and the distribution of scarce medical resources.

*Prerequisite: Non-BSc students must have PH 125 and can only take PH 320 for Philosophy credit. BSc students must have either BIO 131 or BIO 133 and may take BIO 320 for Science credit.*

*Note: Bachelor of Science students may take this course for Science credit. Non-BSc students must take the course as PH 320*

**PH 340 Ancient Philosophy (3) O**

An examination of Ancient Western Philosophy. The course surveys Greco-Roman philosophy from the Presocratics to early Roman Stoicism and Neo-Platonism in the early Common Era. A broad range of philosophical themes will be considered including nature, change, permanence, death, justice, law, knowledge, virtue, happiness, and love.

*Prerequisite: PH 125*

**PH 350 Political Philosophy (3) O**

Students are exposed to the major historical figures and ideas relating to political legitimacy and social authority. The course examines, amongst other things, social contract theory, liberalism, libertarianism, socialism, communitarianism, and multiculturalism.

*Prerequisite: PH 125*

**PH 399 Special Topics in Philosophy (3) O**

Special studies in Philosophy, as announced.

*Prerequisite: Permission of the department*

**PH 405 Special Topics in Philosophy (3) O**

Special studies in Philosophy, as announced.

*Prerequisite: Permission of the department*

**PH 490 Independent Study (3) O**

Independent Study consists of an individual research project which investigates a problem area or topic not treated extensively in a regular course.

*Prerequisite: Permission of the department and a minimum cumulative GPA of 3.0*

**Physics****PHY 111 Mechanics (3-2) A**

This course teaches concepts in motion and kinematics, forces and acceleration, energy, momentum, and torque. There is a lab component for this course.

*Prerequisite: Math 30-1 (Physics 30 is recommended)*

**PHY 123 Introductory Electromagnetism and Thermal Physics (3-3) B**

This course covers the areas of electric forces and circuits, Ohm's law, magnetic forces and thermal physics including gas law, energy transfer and thermodynamics.

*Prerequisite: PHY 111*

**Political Science****POLI 101 Introduction to Politics (3) O**

An introduction to major political concepts, political systems, and to the study of politics.

**POLI 215 Introduction to Canadian Politics (3) O**

An introduction to the Canadian political system from the perspectives of political science and history. Topics will include the executive, legislative, and judicial branches of the federal government, the constitution, federal-provincial relations, the electoral process, and the role of ordinary citizens in the political process.

*Note: This course is cross-listed as HI 215.*

## Professional Studies

### PST 101 Pastoral Communications (3) A

An introduction to written and oral communications for pastoral work (e.g. writing business letters, grant proposals, church bulletins, reports, social media, introductions).

### PST 161 Introduction to Mission (3) A

An exploration of key issues the church faces in its mission to the contemporary world. The basis for Christian witness is developed as a foundation for the exploration of God's call to make disciples among all nations in our global society.

### PST 201 Pastoral Counselling (3) A

An introductory study of basic counselling skills and their application to personal problem solving in the local church context.

*Prerequisite: PS 121*

### PST 204 Teaching and Learning for Discipleship (3) B

This course is designed to introduce the learner to some fundamental principles of teaching and learning with special emphasis on the application of those principles to the role of pastor/teacher within the local church context. Learners will be introduced to a variety of learning and teaching perspectives/models and then guided in the consideration of how these may be integrated into the various ministries of the local church.

### PST 206 Christian Spirituality for Mission (3) B

An exploration of key spiritual issues people face in cross-cultural contexts (e.g. principles and practices of calling, contextualization, risk-taking, spiritual warfare, singleness, marriage, and family, and team dynamics).

*Prerequisite: PST 161 and REL 111*

### PST 220 Leadership and Leadership Development (3) B

Basic principles for church leadership including leadership styles, board relations, conflict management, budgeting, and strategies for effective teams.

### PST 261 Missional Encounters (3) O

Principles for communicating the Christian gospel cross-culturally. Particular religion and geographical area will depend on the instructor

*Prerequisite: PST 161*

### PST 299 Special Topics in Professional Studies (3) O

Special studies in Professional Studies, as announced.

*Prerequisite: Permission of the department*

### PST 301 Homiletics (3-3) A

Principles of constructing and delivering expository sermons. Students will preach in class for evaluation by instructor and peers.

*Prerequisite: REL 315 and PST 101*

### PST 302 Practical Theology (3) A

An examination of pastoral practices such as baptism, child dedication, funerals, communion, weddings, prayers for the sick and public prayers. Students will consider these practices in light of their own theological convictions to develop a philosophy of ministry.

*Prerequisite: REL 260 and REL 261*

### PST 304 Advanced Homiletics (3) O

Principles of constructing and delivering sermons in styles other than expository.

*Prerequisite: PST 301*

### PST 307 Evangelism and Discipleship in the Church (3) B

Biblical and historical models for making disciples in changing cultural contexts. Principles of personal spiritual formation are applied using strength-based mentoring.

*Prerequisite: PST 302*

**PST 317 The Church and Contemporary Spiritualities****(3) O**

This is a course designed to acquaint the learner with a number of influential alternative spiritualities within Canadian culture and to challenge the student to consider carefully the role of the Church particularly in the light of these approaches to spirituality. Beginning with a brief history of Christian spirituality, the course will then consider some major features of contemporary spirituality with special attention given to the nature and function of ritual, myth/narrative (sacred texts), symbolism and sacred space. Finally, the course will move the student towards an understanding of some of the ways in which the Church can or needs to respond to the spiritual quests within contemporary society.

*Prerequisite: One of the following: REL 260, REL 261, PST 302*

**PST 319 Volunteer Ministry (3) B**

A theological rationale for ministry by nonprofessionals in the context of contemporary volunteer practices. Students are equipped to identify, recruit, train, motivate, and support volunteers for effectiveness in church and non-profit organizations.

**PST 321 Teaching Children for Faith Formation (3) B**

Students will develop skills in teaching children. This course includes attention to goals, methods, classroom management, audio-visual media and use of curriculum for the church's ministry to children and families. Strategies for training and empowering volunteer teams to teach children will also be addressed.

*Note: This course is cross-leveled at the graduate level as ED 621.*

**PST 322 Leadership Essentials for Children and Family Ministry (3) B**

Practical leadership strategies for leading and implementing ministries to children and families in a church context.

*Prerequisite: PST 302, PST 319 and PST 321*

*Note: This course is cross-leveled at the graduate level as ED 622.*

**PST 323 Family Ministry Essentials (3) B**

An exploration of the family ministry movement and strategies for church initiatives to strengthen marriage, nurture children's faith and keep teenagers in the church.

*Note: This course is cross-leveled at the graduate level as ED 623.*

**PST 341 Strategies of Youth Ministry (3) A**

A comprehensive study of the principles and practices of youth ministry within the context of the history of such work. Students focus on the skills for developing and implementing effective and sustainable ministry.

*Prerequisite: PST 302*

*Note: This course is cross-leveled at the graduate level as ED 641.*

**PST 342 Contemporary Youth Issues (3) B**

Foundational skills to understand and assess the constantly changing issues of youth culture. Using various resources, students will gain an understanding of issues facing youth in order to build skills to reflect critically and create effective ministry methods and practices.

*Prerequisite: PST 302*

*Note: This course is cross-leveled at the graduate level as ED 643.*

**PST 350a Conference Planning and Management I (1.5) A**

Principles and practices of conference planning including team-leadership and facilities planning. An opportunity to plan and direct an actual conference is provided. Students are required to register for both PST 350a in Fall semester and PST 350b in Winter semester, for a total of 3 credits.

*Prerequisite: Permission of the instructor*

**PST 350b Conference Planning and Management II (1.5) A**

Principles and practices of conference planning including team-leadership and facilities planning. An opportunity to plan and direct an actual conference is provided. Students are required to register for both PST 350a in Fall semester and PST 350b in Winter semester, for a total of 3 credits.

*Prerequisite: PST 350a and permission of the instructor*

**PST 366 Establishing Communities of Faith in a Multicultural World (3) O**

Establishing Communities of Faith in Multi-cultural World is designed to introduce the learner to the exciting ministry of initiating vibrant communities of faith (the church) in context. Participants will discover culturally relevant ways of applying trans-cultural biblical principles associated with evangelism and the growth of dynamic communities of faith. A theological framework for establishing these communities in their local context is accompanied by relevant methodological and strategic research that informs the way in which these communities are developed in our multi-cultural world.

*Prerequisite: PST 161*

**PST 382 Worship Leadership Strategies (3) A**

Foundational principles and practical skills for designing and implementing worship services. An opportunity to plan and direct chapel services is provided.

*Prerequisite: Permission of the instructor*

**PST 399 Special Topics in Professional Studies (3) O**

Special studies in Professional Studies, as announced.

*Prerequisite: Permission of the department*

**PST 405 Special Topic in Professional Studies (3) O**

Special studies in Professional Studies, as announced.

*Prerequisite: Permission of the department*

**PST 490 Independent Study (3) O**

Individual research project to investigate a problem or topic not treated extensively in a regular course.

*Prerequisite: Permission of the Dean and a minimum cumulative GPA of 3.0*

**Psychology**

**PS 121 Introduction to Psychology (3) A**

An introductory course exploring the nature and process of the human mind and behaviour. A survey of psychological research, physiological processes, basic principles of learning, memory, thinking, language, and intelligence, life-span development issues, personality, psychological disorders and related therapy, and social psychology.

**PS 215 Sensation and Perception (3) A**

The psychological and physiological bases of sensory and perceptual processes, including vision, audition, taste, smell, touch and basic psychophysics.

*Prerequisite: PS 121*

**PS 220 Child Development (3) B**

An exploration of the nature and process of normal child development as it progresses from conception to late childhood. Child development is examined as it occurs within four important areas: physical, cognitive, social-emotional, and social.

*Prerequisite: PS 121*

**PS 230 Adolescent Development (3) B**

This course focuses on normal human development as it occurs during adolescence. It looks at development by way of the physical, cognitive, and socio-emotional contexts, as well as giving special attention to prevalence, prevention, and treatment of several issues of concern most common during adolescence.

*Prerequisite: PS 121*

**PS 240 Adulthood and Aging (3) B**

An examination of normal human development as it occurs in adulthood and old-age. Students explore geriatrics as it relates to psychology by examining the physical, cognitive, and socio-emotional contexts associated with adulthood, old-age, and death.

*Prerequisite: PS 121*

**PS 250 Social Psychology (3) A**

This course seeks to understand the nature and causes of individual behaviour in social situations, for the purpose of finding ways to improve the quality of life in society. Students will explore issues such as social perception and cognition, attitude formation, prejudice and discrimination, interpersonal attraction, altruism, aggression, group behaviour, and environmental and organizational psychology.

*Prerequisite:* PS 121

**PS 270 Introduction to Neuroscience (3) B**

An introduction to the study of neuroscience and neuropsychology. Attention is given to the foundational issues of studying neurochemistry and experimental techniques related to the structure and function of the nervous system and brain.

*Prerequisite:* PS 121

**PS 285 Abnormal Psychology (3) B**

This course provides an introduction to psychopathology and abnormal behaviour. Using a bio-psycho-social etiological framework, attention is given to the classification, assessment, and methods of therapy related to the major areas of psychopathology. A focus is also to understand the importance of prevention and education in the field of mental health.

*Prerequisite:* PS 121

**PS 299 Special Topics in Psychology (3) O**

Selected topics from a variety of areas in Psychology. May be repeated for credit if the topic is different.

*Prerequisite:* PS 121

**PS 300 Personality (3) A**

An examination of personality structure, dynamics and development, emphasizing major theoretical perspectives and methods of research. Attention will be given to the comparative analysis of the major theoretical models.

*Prerequisite:* 3 credits in Psychology at the 200-level

**PS 305 Psychology of Family (3) B**

This course will focus on family interaction, family dynamics, and family functioning. Using family-systems theory and a multigenerational, developmental framework, this course will explore the challenges faced by contemporary families. Several conceptual lenses will be used to assess and understand family functioning and to guide us through each successive stage of the family life cycle.

*Prerequisite:* 3 credits in Psychology at the 200-level

**PS 306 Basic Skills and Practice for Working with Individuals who are Vulnerable and Homeless (3) B**

This course will focus on basic skills and practice when working with individuals who are vulnerable and/or experiencing homelessness. It will explore the challenges faced by individuals who are vulnerable and homeless, such as lack of education and job skills, poor mental and physical health, and addictions. It will also address the importance of case management, its components, and effectiveness. The course is meant to prepare students interested in working with at-risk persons in this population to provide competent and client-centered help.

*Prerequisite:* PS 121 or SO 121

*Note:* This course is cross-listed as DVST 306.

**PS 307 Psychological Impacts of Poverty (3) B**

An exploration of the impacts of poverty on human psychological development. This course will examine the effects of poverty on the maturation of the brain; cognitive, social and emotional abilities; and health outcomes. Also considered will be the influence of living in poverty on the understanding of self and other and on how this influence contributes to risk and resilience. Instruction will consist of lectures, class activities and development of a targeted intervention strategy.

*Prerequisite:* PS 121

*Note:* This course is cross-leveled at the graduate level as SC 507.

**PS 310 Motivation and Emotion (3) B**

This course will consider why people do the things they do and explore where the motivational sense of "want to" originates. Content will focus on major concepts, models, theories and research in the areas of motivation and emotion. The application of the principles of motivation to applied settings, such as in schools, in the workplace, on the athletic field, in counselling, and in one's own personal life will also be explored.

*Prerequisite: 3 credits of Psychology at the 200-level*

**PS 320 Developmental Psychopathology (3) B**

An introduction to abnormal child development with a focus on three areas: behavioural disorders, emotional disorders, and developmental and learning disorders. Attention will be given to both risk and preventative factors as they pertain to individual, child, family, peer, and cultural interactions.

*Prerequisite: PS 220, PS 230, or PS 285*

**PS 321 History of Madness (3) B**

An exploration of the parallel and interconnected histories of the institutional and personal experiences of "madness" from the "time of insanity" to present-day mental illness. Using both primary and secondary sources, students will explore the social, medical, political, economic, cultural and religious factors that have influenced interpretations of what it means to be "mad."

*Prerequisite: 3 credits in Psychology at the senior level*

**PS 330 Brain and Behaviour (3) A**

An introduction to the neural basis of learning, memory, language, thought, motivation, emotion and behaviour.

*Prerequisite: 3 credits in Psychology at the 200-level*

**PS 331 Ergonomics (3) B**

This course will provide an overview of the research on human behaviour, capabilities and limitations, focusing on findings that speak to the best ways to design products, equipment and systems for maximum safe, effective, satisfying use by humans. A range of contexts will be considered, including design of everyday products and systems to large scale system applications.

*Prerequisite: PS 250 or permission of the department*

**PS 332 Psychology of Creativity (3) B**

Human creativity generates ideas and products that are novel and valued by the society. Creativity requires both expert knowledge in various subject domains and uninhibited problem-solving power from creative individuals to creative groups and organizations. This course offers students an opportunity to learn about current scientific research and theories on creativity and its process from a bio-psychosocial perspective; recognize and assess creative ability; identify factors and tools to help promote creative thinking and understand the importance of creating and providing supportive environments to nourish creative behaviours in various social settings.

*Prerequisite: PS 121*

**PS 333 Play Therapy I (3) B**

This course provides an overview of the different theories relating to play therapy, introductory knowledge of Gestalt theory, as well as an introduction to different types and mediums of play. Participants will have opportunity engage in experiential activities. Group learning emphasizes the integration of theory and practice, along with group consultation.

*Prerequisite: 3 credits in Psychology at the senior level*

*Note: This course has a class maximum of 25 students.*

**PS 334 Sports Psychology (3) B**

Sport psychology is the scientific study of people involved in sport and exercise activities. In this course, students will learn about how factors such as personality, motivational and emotional states can affect sport performance and exercise. Topics covered will include: sport and exercise environments, group processes, performance improvement, enhancing health and well-being, and facilitating psychological growth and development. Students will also learn how to effectively apply the latest knowledge and theories into various real life situations. Sport psychology is a foundational course for students who plan on pursuing a career in coaching, sport and exercise psychology, as well as kinesiology.

*Prerequisite: PS 121*

*Note: This course is cross-listed as KIN 334*

**PS 335 Personnel Psychology (3) B**

This course will provide an overview of the methods and procedures used to select, place, and evaluate personnel. Topics considered include design of selection systems, training, job performance analysis, work motivation, work stress, legal issues involving protected classes and discrimination; measurement, interpretation and ethical use of job performance scores.

*Prerequisite: PS 250 or permission of the department*

**PS 336 Health Psychology (3) B**

A survey of health psychology, this course will take a bio-psychosocial approach to understand health and wellness, exploring the history of the discipline, research/ clinical methods used to measure wellness, underpinnings of health behaviour change and treatments and the evaluation of their effectiveness. Health issues considered will include stress, pain management, injuries, substance abuse, eating disorders, chronic and terminal illness, and the future of health research.

*Prerequisite: PS 121*

**PS 341 Psychology of Religion: Development over the Lifespan (3) B**

The psychology of religion is an interdisciplinary field that examines religious experience from a psychological perspective. This course focuses on spiritual and moral development through the lifespan, from early childhood through the late adult years. Related issues will also be included, such as perspectives on mortality and the impact of religion on health and coping.

*Prerequisite: PS 220 or PS 230*

**PS 342 Culture and Psychology (3) B**

This course will examine the influence of the cultural environment on the development of psychological characteristics by exploring the fields of sensation and perception, human development, emotion, motivation, social perception and interaction, and mental disorders from a cross-cultural perspective. The strengths and limitations of the basic methodologies for cross-cultural research will be considered as well.

*Prerequisite: 3 credits in Psychology at the 200-level*

**PS 343 Psychology of Religion: Spiritual Experience (3) B**

The Psychology of Religion is an interdisciplinary field that examines religious experience from a psychological perspective. This course surveys research and theory pertaining to a wide range of spiritual experience including conversion, mysticism, morality, extremism, doubt, apostasy and atheism. The biology of religious experience and the views of psychological theorists on the place of religion in personality are also considered.

*Prerequisite: 3 credits in Psychology at the 200-level*

**PS 345 Interpersonal Communication (3) B**

An introduction to social psychological theory and research on interpersonal relationships. A range of topics will be covered including attraction, communication, friendship and intimacy, conflict and violence, love, and sexuality. Group projects will be an integral part of the course.

*Prerequisite: 3 credits in Psychology at the 200-level*

**PS 346 Language, Culture & Communication (3) B**

An introduction to cultural psychology in relation to interpersonal communication, including language theory and how it is used in everyday life (e.g. discursive psychology). This introduction provides groundwork for discussing how bridging cultures is possible and the importance of developing awareness about one's own culture, including the way that one's own culture manifests in talk.

*Prerequisite: 3 credits in Psychology at the 200-level*

**PS 350 Cognitive Psychology (3) B**

Cognitive psychology is a branch of psychology that investigates human mental functions such as perception, memory, general knowledge, language, problem solving, and decision making. The course will focus on material related to the course text. Classes will be comprised of relevant material presented in lecture format and class discussion.

*Prerequisite: 3 credits in Psychology at the 200-level*

**PS 351 Introduction to Cognitive Neuroscience (3) B**

An examination of the neural bases of higher human cognitive or mental function. Topics will include the strengths and weaknesses of current techniques for investigating mind-brain relationships and analyzing syndromes due to neurological deficits and diseases. Such techniques may include neurophysiological recording in animals, human EEG and MEG recording, structural and functional non-invasive brain imaging, and brain stimulation methods.

*Prerequisite: PS 121 and PS 270*

**PS 354 Culture & Human Development (3) B**

An exploration of how basic psychological phenomena such as emotion, values, morality, perception, cognition, and consciousness) can result from culture. Attention will be directed to the way that children are shaped to perform such phenomena in culturally constituted ways.

*Prerequisite: PS 121*

**PS 399 Special Topics in Psychology (3) O**

Selected topics from a variety of areas in Psychology. May be repeated for credit if the topic is different.

*Prerequisite: PS 121*

**PS 400 Narrative Psychology (3) B**

Employing a seminar format, this course examines the various ways in which psychologists use narrative in research and applied work. Particular attention will be paid to autobiographical memory, self-narrative and identity development, narrative interpretations of psychoanalysis and psychotherapy, and the cultural and social constructionist traditions. Recent advances in narrative research methodologies will be examined.

*Prerequisite: BHS 240 and 3 credits in Psychology at the 300-level*

**PS 401 Psychology of Music (3) B**

This course reviews important recent advancement in the interdisciplinary subject of psychology of music. It examines our current understanding on the role of human mental and brain functions in musical activities. Topics to be explored include the origins of music, the nature of sound and music, music perception, cognition and emotion, music acquisition and performance, the creative process of composing music, and the relationship of musical engagement and development of other intellectual abilities.

*Prerequisite: 3 credits in Psychology at the 300-level*

*Note: This course is cross-listed as MU 401.*

**PS 402 Psychology of Immigration (3) O**

An exploration of immigration and the tensions it raises in pluralistic societies. Students will gain insight into immigration and adjustment by discussing how culture is a meaningful part of life that cannot be reduced to trivial tokens. This course will also introduce students to the practicalities of overcoming barriers to adjustment.

*Prerequisite: 3 credits in Psychology at the senior level*

**PS 403 Human Sexuality (3) B**

Exploration of the nature of human sexuality and related research. Gender, attraction, love, relationships, behavioural patterns and disorders will be explored from biopsychosocial and theological standpoints. The class will emphasize considerations of diversity, development of critical thinking, responsible decision-making, and sexual health. Lectures will include discussion and activities that are connected to the readings from the course text and assigned readings.

*Prerequisite: 6 credits in Psychology*

**PS 405 Special Topics in Psychology (3) O**

Selected topics from a variety of areas in Psychology. May be repeated for credit if the topic is different.

*Prerequisite: PS 121*

**PS 411 Advanced Qualitative Methods (3-1) B**

This seminar style course examines the basic techniques for collecting, interpreting, and presenting qualitative data, drawing on research methodologies in areas such as ethnography, grounded theory, case studies, interviews, and focus groups. Special emphasis is given to the epistemological and ontological undercurrents to qualitative research methodology, and "lived experience," or the process of humans constructing meaning through social interaction.

*Prerequisite: BHS 240 and 3 credits in Sociology or Psychology at the 300-level*

**PS 415 Tests and Measurement (3-1) B**

The purpose of the course is to provide the knowledge and skills needed to understand, select, score, and interpret individual and group administered psychological and educational tests.

*Prerequisite: BHS 240 and BHS 310*

**PS 419 Visual Perception and Optical Illusions (3) O**

This course examines how the human visual system processes sensory information to produce a subjective visual reality of the world. Topics include anatomy of the visual system, visual processing of brightness, colour, form, motion and depth. Implications of visual illusion studies on the perceptual process will be discussed. Use of psychophysical techniques to generate visual sensitivity functions will also be introduced.

*Prerequisite: 3 credits in Psychology at the 300-level*

**PS 420 Introduction to Counselling Psychology (3) B**

An introductory course to counselling psychology covering historical and professional foundations, counselling process and theory, skills and specialties in the practice of counselling.

*Prerequisite: 3 credits in Psychology at the 300-level*

**PS 430 Social Development: Child, Family, School, Community (3-3) B**

This course explores the integration of the contexts in which children and families develop and the interactions that take place within and between these contexts. In particular, the socialization influences of the family, the school, the peer group, mass media, the church, and the community will be explored. The focus will be on understanding these sources of socialization and what we can do to empower healthy development in children and families.

*Prerequisite: 3 credits in Psychology at the 300-level*

**PS 433 Play Therapy II (3) B**

This course will build on knowledge gained in Play Therapy I. It will focus more in depth on theory, as well as advanced techniques and interventions with children, with a special focus on expressive art work and sand tray work. Participants will have the opportunity to practice advanced skills and to engage in experiential activities. Group learning emphasizes the integration of theory and practice along with group consultation.

*Prerequisite: PS 333*

*Note: This course has a class maximum of 25 students.*

**PS 434 Play Therapy III (3) B**

This course will focus on brain research and child development as well as different reasons why children are referred for Play Therapy. Reasons for referral to be discussed include: disruptive behaviour problems, bereaved children and children of divorce, children in foster placement, sexually abused children, children with sexual behaviour problems, Attention Deficit and Hyperactivity Disorder (ADD/ADHD), Autism, and anxiety. Students will also learn about vicarious trauma and self-care and explore ethical decision-making in play therapy. Last, students will gain advanced knowledge of different types and mediums of play (puppetry, storytelling, sand tray, art in play therapy, and drama).

*Prerequisite: PS 433*

*Note: This course has a class maximum of 25 students.*

**PS 435 Play Therapy IV (3) B**

This course will focus on the application of Play Therapy. Content areas covered will include: school-based play therapy, portable play based interventions, therapeutic attachment, assessment, trauma, working with adults, employee and family assistance programs (EFAP), group play therapy, and theraplay and filial therapy.

*Prerequisite: PS 434*

*Note: This course has a class maximum of 25 students.*

**PS 440 Introduction to Clinical Psychology (3-1) B**

This course offers an exploration of the major topics in clinical psychology, including assessment and intervention approaches. It addresses theoretical, professional issues and emerging trends within the field of clinical psychology.

*Prerequisite: BHS 240 and one of the following:*

*PS 285, PS 320*

**PS 441 Clinical Pharmacology (3) B**

This course will provide an overview of the effects of drugs specifically employed to affect the nervous system, as seen in the treatment of mental disorders, behavioural disorders, and other conditions such as Parkinson's, Huntington's and Alzheimer's diseases. Neuro-pharmacologic agents will be discussed as they relate to the biochemistry and physiology of neurotransmitters.

*Prerequisite: PS 330*

**PS 450 Forensic Psychology (3) B**

This course will provide a broad overview of the relationship between psychology and various aspects of the legal system. A variety of topics will be discussed and critically evaluated, including offender profiling, eyewitness testimony, police issues, jury decision-making, treatment of offenders, psychopathy, risk assessment, criminal responsibility, and fitness to stand trial.

*Prerequisite: PS 285*

**PS 474 Capstone: History of Psychology (3) A**

This is a capstone course required of all Psychology majors. It surveys the history of psychological thought from antiquity to the present. Perspectives and theoretical frameworks in psychology are addressed. Current debates in the field are discussed.

*Prerequisite: at least 18 credits in Psychology, of which 6 credits must be at the 300-level or higher.*

**PS 490a Independent Study (1.5) O**

Independent Study consists of an individual research project which investigates a problem area or topic not treated extensively in a regular course. Weekly seminar with instructor.

*Prerequisite: 3 credits in Psychology at the 300-level. Restricted to students in the Bachelor of Arts: Behavioural Science major with a minimum cumulative GPA of 3.0.*

**PS 490b Independent Study (1.5) O**

Independent Study consists of an individual research project which investigates a problem area or topic not treated extensively in a regular course. Weekly seminar with instructor.

*Prerequisite: 3 credits in Psychology at the 300-level and a minimum cumulative GPA of 3.0. Restricted to students in the Bachelor of Arts: Behavioural Science major.*

**PS 495a Research in Psychology (1.5) O**

Research project under the direction of a faculty member. Weekly seminar with instructor.

*Prerequisite: A minimum cumulative GPA of 3.0. Restricted to students in the final year of the BA: Behavioural Science (Major).*

**PS 495b Research in Psychology (1.5) O**

Research project under the direction of a faculty member. Weekly seminar with instructor.

*Prerequisite: A minimum cumulative GPA of 3.0. Restricted to students in the final year of the BA: Behavioural Science (Major).*

## Religious Studies

### **REL 105 Introduction to the Bible (3) A**

An overview of the literary genres, contents, and major themes of Biblical literature, focusing on an understanding of the Bible in its original contexts.

### **REL 111 Introduction to Christian Spirituality (3) A**

This course is a study of the spiritual life in the Christian tradition. The nature and critical implications of Christian conversion and disciplines necessary to spiritual growth are examined. The format of the class will include lecture, discussion, small group activity and individual work.

### **REL 130 Introduction to World Religions (3) B**

A survey of the ideas and practices of the major world religions, including Judaism, Islam, Hinduism, and Buddhism.

### **REL 131 Introduction to Christian-Islamic Engagement (3) A**

This course is a student of the beliefs and practices of Islam and their relationship with those of Christianity for the purpose of fostering genuine Christian-Islamic dialogue. The course begins with a study of Jesus and Muhammad according to early Christian and Muslim literary sources. It then examines connections between the historical development of both religions which involves a study of the Five Pillars of Islam against the backdrop of Christian antiquity. The course concludes with a survey of contemporary examples of Christian-Islamic engagement.

### **REL 161 The Christian Faith (3) A**

A survey of the major Christian doctrines expressed in the Apostles' Creed, including Theology proper, Christology, Pneumatology, Ecclesiology and Eschatology.

*Notes: Students can only earn credit for two of the following: REL 161, REL 260, REL 261. This course cannot apply to the BA Christian Studies program or any School of Ministry programs.*

### **REL 205 Traditions and Turning Points (3) A**

A survey of various traditions within Christianity (Jewish Christianity, Eastern Orthodoxy, Roman Catholicism and Protestantism) which have historically shaped global Christianity. This course also seeks to examine critical turning points within each of these traditions, providing the student with a context for dialoguing with the current Christian world and understanding the dynamic relationship between culture and Gospel.

### **REL 210 Life and Letters of Paul (3) O**

A study of the literary and theological legacy of the apostle Paul. This course will examine his biography, the sociology of the Pauline churches in the context of the first century, and significant aspects of his thought.

*Prerequisite: REL 105*

### **REL 212 Wisdom Literature of the Old Testament (3) O**

An exegetical study of the books of Job, Psalms, Proverbs, Song of Songs, and Ecclesiastes. These books will be examined for their content, theological messages, poetic styles, and settings within the wisdom literature genre in the Ancient Near East as well as their impact on and relevance to contemporary issues.

### **REL 220 Pentateuch (3) O**

A study of the first five books of the Bible (Genesis, Exodus, Leviticus, Numbers and Deuteronomy), focusing on the historical and cultural contexts of these documents as well as on their literary structure, theology and contemporary relevance.

*Prerequisite: REL 105*

### **REL 230 Genesis (3) O**

An exegetical study of Genesis with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite: REL 105*

### **REL 231 Isaiah (3) O**

An exegetical study of Isaiah with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite: REL 105*

**REL 240 The Synoptic Gospels (3) O**

A study of the Synoptic Gospels of Matthew, Mark and Luke, with particular attention given to the theological contribution of each Gospel. Students will also be introduced to contemporary methodologies for studying these Gospels.

*Prerequisite: REL 105*

**REL 250 Paul's Pastoral Epistles (3) O**

An exegetical study of 1 and 2 Timothy and Titus with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite: REL 105*

**REL 260 Theology I: God and Word (3) A**

This course consists of an overview of the historic teaching of the Christian church regarding proper theological method, the doctrines of revelation, theology proper, creation, sin, anthropology, and the person of Jesus Christ.

*Notes: Students can only earn credit for two of the following: REL 161, REL 260, REL 261. This course cannot apply as a senior REL in Arts and Science programs.*

**REL 261 Theology II: Spirit and Church (3) A**

This course consists of an overview of the historic teaching of the Christian church regarding the work of Jesus Christ, the atonement, the person and work of the Holy Spirit, soteriology, the Church, the sacraments, and the consummation of history.

*Notes: Students can only earn credit for two of the following: REL 161, REL 260, REL 261. This course cannot apply as a senior REL in Arts and Science programs.*

**REL 270 Walking, Wrestling & Waltzing with God:****Spiritual Writing (3) O**

An exploration of spiritual writing in the form of journaling, devotional writing, poetry, and creative nonfiction essays as a creative, contemplative, and cerebral discipline with which to nourish relationships with God, others and self. Through in-class exercises, students will learn how to practice the discipline of spiritual writing and incorporate this into their own lives.

*Prerequisite: REL 111 or REL 161*

**REL 281 Muslim Faith and Practice (3) A**

A survey of basic Muslim practice and belief paying special attention to the place of Muhammad in Muslim history and tradition, the Quran and the hadith (traditions).

**REL 282 Jesus from Muslim Perspectives (3) O**

In this course, students will explore orthodox and historical Muslim beliefs about Jesus based on two major sources, the Qur'an and the *hadith*, and will compare passages in both sources with the Christian Bible. In addition, students will learn about contemporary Muslim beliefs concerning Jesus not necessarily based in historical orthodox teaching. Teaching tools will include video, readings, forum discussions and assignments to reach course objectives.

**REL 299 Special Topics in Christian Studies (3) O**

Special studies in Christian Studies, as announced.

*Prerequisite: Permission of the department*

**REL 301 Apologetics (3) O**

This course is a survey and examination of the history of and rationale for Christian apologetics. This includes an introduction to and exploration of the key questions and arguments that have arisen in both the tradition and in the contemporary context. The course also focuses on the relation between faith and reason, revelation and knowledge, belief and unbelief, and church and culture – all with the intent of more deeply learning what it means to be a faithful and thoughtful Christian witness.

*Prerequisite: One of the following: REL 161, REL 260, REL 261*

**REL 303 God and Evil (3) O**

An examination of the ways in which evil is interpreted in major religious traditions with a special focus on the Judaeo/Christian tradition.

*Prerequisite: One of the following: REL 161, REL 260, REL 261*

*Note: This course can fulfill a senior theology elective or ministry students.*

**REL 305 Christianity and Culture (3) B**

An interdisciplinary exploration of the interpenetration of Christianity and the cultures in which it finds expression.

*Prerequisite:* One of the following: REL 161, REL 260, REL 261

*Note:* This course can fulfill a senior theology elective for ministry students.

**REL 315 Hermeneutics (3) A**

In this course students are exposed to the steps and tools for interpreting the Bible. Students will also be introduced to contemporary methods of studying the Bible.

*Prerequisite:* REL 105

**REL 325 Topics in the Old Testament (3) O**

Special exegetical studies in the Old Testament, as announced.

*Prerequisite:* REL 105

**REL 330 Understanding Indigenous Knowledge in Post-Colonial Contexts (3) O**

An exploration of knowledge production in post-colonial and indigenous contexts and theology through lecture and field-based learning. Students will explore cultural, regional, and social influences on rival epistemologies and bodies of accepted knowledge.

*Prerequisite:* REL 161 and PS 121 or SO 121

*Note:* This course is cross-listed as BHS 330.

**REL 331 Job (3) O**

An exegetical study of the Psalms with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite:* REL 105

**REL 332 Psalms (3) O**

An exegetical study of the Psalms with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite:* REL 105

**REL 333 Proverbs (3) O**

An exegetical study of the Psalms with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite:* REL 105

**REL 334 Prophetic Books of the Old Testament (3) B**

A study of the prophetic literature of the Old Testament concentrating on the historical setting, literary form, content and message of Isaiah, Jeremiah, Ezekiel, Hosea, Joel, Amos, Obadiah, Jonah, Micah, Nahum, Habakkuk, Zephaniah, Haggai, and Malachi. This course examines the meaning of those books in their ancient context as foundational for understanding their message and theological significance for the Church and society today.

*Prerequisite:* REL 105

**REL 335 The Rise and Fall of the Israelite Monarchy (3) O**

This course examines the rise and fall of the monarchy in ancient Israel through a survey of the historical books of the Old Testament.

*Prerequisite:* REL 105

**REL 349 Gospel of Matthew (3) O**

This course is an exegetical study of Matthew with attention given to historical and social context, literary form, critical issues, and theological themes.

*Prerequisite:* REL 105

**REL 350 The Book of Revelation (3) O**

An exegetical study of the Book of Revelation with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite:* REL 105

**REL 351 Letters from Prison (3) O**

An exegetical study of Philippians, Philemon, Colossians, and Ephesians with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite:* REL 105

**REL 352 The Gospel and Letters of John (3) O**

An exegetical study of the Gospel of John, and 1, 2, and 3 John with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite: REL 105*

**REL 353 Gospel of Mark (3) O**

Originally, the Gospel of Mark was not read but rather heard by early Christians in the form of a dramatic re-telling. This influences how contemporary students of Mark should interpret his text. Additionally, Mark's audience would have had a keen understanding of the Old Testament which would enable them to appreciate Old Testament terms and themes which Mark applies to Jesus. Employing the methods of aurality (Mark written for the listener) and intertextuality (Mark's use of the Old Testament), this course is an exegetical study of Mark's Gospel. From this analysis, the course will touch on contemporary issues such as suffering, servant leadership, and the end times.

*Prerequisite: REL 105*

**REL 354 Romans (3) O**

An exegetical study of the Epistle to the Romans with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite: REL 105*

**REL 355 Topics in the New Testament (3) O**

Special exegetical studies in the New Testament, as announced.

*Prerequisite: REL 105*

**REL 356 Corinthian Correspondence (3) O**

An exegetical study of 1 and 2 Corinthians with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite: REL 105*

**REL 357 The Book of Hebrews (3) O**

An exegetical study of the Epistle to the Hebrews with attention given to historical and social context, literary form, critical issues, and theological significance.

*Prerequisite: REL 105*

**REL 358 History and Polity of the Church of the Nazarene (3) B**

This course traces the formative influences that led to the American Holiness movement and the Church of the Nazarene. The polity of the Church, as well as her major figures and events, are explored. Attention will be given to themes of holiness theology in the context of the growth of the Church of the Nazarene.

*Note: This course is cross-leveled at the graduate level as TH 641.*

**REL 360 Spaces of the Heart (3) A**

An advanced study dealing with selected disciplines and rhythms of the spiritual life. The content of the course includes the discussion of the nature of spirituality and the practice of various contemplative spiritual disciplines and rhythms such as meditation, fasting, solitude, silence, journal keeping, autobiographical writing, discernment, waiting and suffering.

**REL 361 Streams of Christian Spirituality (3) O**

A survey of the various paradigms in which the spiritual life has been understood and experienced in the Christian church from apostolic times to the present. Special emphasis is given to certain movements within Eastern Orthodoxy, Roman Catholicism and Protestantism that have focused on the nurture of the spiritual life.

**REL 362 Alliance History and Thought (3) A**

A survey of the origins of The Christian and Missionary Alliance in its social, cultural, and theological contexts. The course also examines and evaluates various continuities and changes in C&MA thought and practice.

*Prerequisite: REL 161 or HI 263. Prerequisite will be waived for students who are in a denominational credentialing process.*

*Note: This course is cross-listed as HI 362 and is cross-leveled at the graduate level as CH 610/TH 640.*

*Note: For the online version of the course there is a class limit of 20 students and preference is given to those living outside of Calgary.*

**REL 363 Contemporary Theology (3) B**

A study of those late-nineteenth and twentieth century theological movements and thinkers who have significantly shaped contemporary theological trends and discussions.

*Prerequisite: One of the following: REL 161, REL 260, REL 261*

*Note: This course can fulfill a senior theology elective for ministry students.*

**REL 364 Prayer Paths to God: The History and Practice of Christian Prayer (3) O**

An advanced course which studies the historical theology and practice of Christian prayer as it pertains to understanding the role of prayer within the spiritual life. The course is taught from an ecumenical perspective and includes a prayer practicum in the lectio divina (praying with scripture).

*Note: This course is cross-leveled at the graduate level as CS 662.*

**REL 365 Into the Wasteland: Exploring the Desert/Wilderness Experience in Christian Spirituality (3) O**

An examination of the "desert/wilderness" experience in various traditions of Christian spirituality. An integrated biblical/historical/theological/formational approach to the subject is used to assist the student in understanding the nature and purpose of the "desert/wilderness" experience in the spiritual life of the church and the individual. A special feature of the course is a one-day guided silent retreat.

*Notes: Class Limit of 20 students (including both the undergraduate and Seminary level). This course is cross-leveled at the graduate level as CS 661.*

**REL 366 Spiritual Companions (3) O**

An advanced course that gives consideration to the practice of spiritual direction in various Christian traditions from ancient to modern times and the influence of outstanding spiritual mentors of the twentieth century. Attention is also given to the nature, objectives and dynamics of spiritual direction as experienced in a practical context.

*Note: This course is cross-leveled at the graduate level as CS 663.*

**REL 367 Theologies from the Margins (3) B**

A study of the theological expressions of those groups historically sidelined by theological dialogue and development. Particular attention will be paid to Liberation, Feminist, Black and Minjung theologies, as well as the debate regarding Process and Openness theologies.

*Prerequisite: One of the following: REL 161, REL 260, REL 261*

*Notes: This course can fulfill a senior theology elective for ministry students. This course is cross-leveled at the graduate level as TH 667.*

**REL 368 Exploring the 'Dream Experience' in Christian Spirituality (3) O**

This course will survey the significance and understanding of the 'dream experience' in both eastern and western Christian traditions. Special emphasis is placed on the role of the dream in the spiritual journeys of prominent Christians, the dream and death experience as well as developing a Christian approach to dream interpretation integrated with an understanding of one's own spiritual journey.

*Notes: Class Limit of 20 students. This course is cross-leveled at the graduate level as CS 660.*

**REL 369 Trajectories in Sixteenth-Century Reformation Thought (3) B**

An advanced course which does an in-depth, comparative analysis of magisterial Protestant, Catholic and Radical Reformation within the context of early modern European society. A broad spectrum of subjects will be covered including soteriological and ecclesiological themes, church/state relations, political/socioeconomic theory, structures of family life and the relationship between the Reformation and the Renaissance.

*Prerequisite: One of the following: REL 161, REL 260, REL 261*

*Notes: This course can fulfill a senior theology elective for ministry students. This course is cross-leveled at the graduate level as TH 669.*

**REL 370 Theology and Practice of Worship (3) A**

A study of the key biblical, theological, historical and philosophical dimensions of Christian corporate worship in which students will be given opportunity to consider these aspects through the lens of various Christian traditions. Attention also is given to the planning and leading of worship gatherings and to the role that music in particular plays in the experience of community worship.

*Prerequisite: REL 161 or REL 261*

**REL 372 Christian Ethics (3) B**

A study of influential ethical models current in contemporary moral philosophy. An evaluation of these models provides material for the construction of a Christian ethic based on the Scriptures and the moral teaching of the church.

*Prerequisite: One of the following: REL 161, REL 260, REL 261*

*Note: This course can fulfill a senior theology elective for ministry students.*

**REL 373 Wesleyan Theology (3) B**

Through an exploration of the historical and social background of the eighteenth century and, more particularly, the lives, writings, and legacies of John and Charles Wesley, this course will investigate the implications of the Wesleyan theological heritage in respect to the nature of God and humanity, salvation and sanctification, spiritual growth, church life, worship, and social witness.

*Prerequisite: One of the following: REL 161, REL 260, REL 261*

*Note: This course can fulfill a senior theology elective for ministry students.*

**REL 374 Theology of Holiness (3) B**

This course will consist of a study of the doctrine of Christian holiness, stressing its biblical basis and surveying the breadth of its historical interpretations. Particular attention will be given to the late nineteenth-century Holiness Movement, its context, participants, theological offspring and classic texts. The formative, experiential, and ethical aspects of this doctrine will be emphasized.

*Prerequisite: One of the following: REL 161, REL 260, REL 261*

*Notes: This course can fulfill a senior theology elective for ministry students. This course is cross-leveled at the graduate level as TH 674.*

**REL 375 Theology of Mission (3) B**

This course is the exploration of the theological issues pertaining to the mission of God. It will begin by exploring the mission of God in Christ continued by the Holy Spirit through the Church. After examining the Scriptural basis for mission, it will turn to consider the historical development of a theology of mission and, finally, the continuing significance of mission for today.

*Prerequisite: One of the following: REL 161, REL 260, REL 261*

**REL 376 Meaning and Purpose of Work in Christian Perspective (3) O**

This course will explore the intersection of Christian faith and the world of work. In particular, focus will be given to several key theological themes which highlight the integral role our work plays within the Christian life and God's activity in the world. In addition to understanding the meaning and purpose of work, attention will be given to how a theological understanding of our work can impact how one engages the workplace and makes career decisions.

*Prerequisite: One of the following: REL 161, REL 260, REL 261*

**REL 399 Special Topics in Christian Studies (3) O**

Special studies in Christian Studies, as announced.

*Prerequisite: Permission of the department*

**REL 401 Biblical Theology (3) O**

A study of both the major theological themes in the Bible, and the methodological issues related to using the Bible as a theological resource. Attention will be given to both unifying themes and to issues of dissonance between themes in the Bible. This course will operate as a discussion-based seminar.

*Prerequisite: REL 315*

**REL 404 Christian Studies Educational Travel Study (3) O**

A student may earn three elective credit hours towards their degree requirements, either by (a) participating in a month-long summer residential study experience at Tantur Ecumenical Institute in Jerusalem on the way to Bethlehem; or (b) going on "The Christian Odyssey," a month-long, itinerant, educational travel experience which visits early Christian sites in Turkey, Greece, Cyprus, Malta and/or Tunisia. These opportunities for credit study travel occur yearly on an alternating basis, given sufficient enrolment.

*Prerequisite: Permission of the instructor*

**REL 405 Special Topics in Christian Studies (3) O**

Special studies in Christian Studies, as announced.

*Prerequisite: Permission of the department*

**REL 460 Theology Seminar (3) O**

A seminar course introducing advanced students to significant texts in the Christian theological tradition. The texts to be studied will vary from time to time according to the interests and expertise of the instructor.

*Prerequisite: One of the following: REL 161, REL 260, REL 261*

*Note: This course can fulfill a senior theology elective for ministry students.*

**REL 485 Capstone Seminar (3) A**

This seminar course provides opportunities for students to reflect upon how their studies, specifically, their chosen stream, has not only shaped them as individuals but also prepared them to be agents of redemptive engagement in the world in which they live.

*Prerequisite: Restricted to students in the BA: Christian Studies (Major) program in their final year of study and Permission of the department is required.*

**REL 490 Independent Study (3) O**

Independent Study consists of an individual research project which investigates a problem area or topic not treated extensively in a regular course.

*Prerequisite: Permission of the department and a minimum cumulative GPA of 3.0*

**Science****SC 100 Topics in Science (3) O**

This course will cover current topics in Biology, Bioethics, Chemistry, Physics, and Biotechnology in a discussion format. It is meant for non-science majors and will be geared to topics of interest.

**SC 120 Introduction to Astronomy (3) O**

A survey of modern astronomy and current views on the universe, solar system and other fundamental cosmic phenomena.

**SC 201 Introduction to Forensic Science (3-2) O**

An introduction to the fundamental concepts of forensic science. This course will introduce students to techniques used to analyze physical evidence collected from crime scenes. Topics include crime scene techniques; trace evidence, as well as techniques such as DNA profiling, fingerprinting, and forensic toxicology. Chromatography, DNA typing, and the forensic analysis of hair, paints, and fibres will also be covered. It will also describe general forensic procedures used with arson, drugs, and firearms. Instruction will consist of lectures, group projects, and in-class activities.

**SC 215 Controversies in Science (3) O**

In this course, students will explore the science behind innovative and contemporary topics, as well as apply critical reasoning skills through the examination of controversial issues in science. Instruction will consist of lectures, student research, discussions, debates and in-class presentations.

*Notes: This course cannot count as a senior science for BSc students but can count as a Science class for non-Science students. This course can count as an Arts & Science elective for BSC students and can count as a Natural Sciences minor course.*

**SC 229 Scientific Writing and Review (3) A**

This course will teach students the essential elements of scientific writing and literature analysis. Components of a scientific document will be examined. Different scientific propagation formats and documentation styles will be discussed, as well as the critical analysis of scientific publications.

*Prerequisite: 3 credits in the sciences*

### **SC 233 Lab Techniques in Science (3) B**

An introductory undergraduate survey course consisting of the most commonly-found lab techniques found in biological and physical sciences. The general purpose is to guide students through an array of central, experimentally crucial protocols that will help them continue any work they choose to pursue in the sciences.

*Prerequisite: one of BIO 131/133 and one of CHE 101/103*

### **SC 405 Special Topics in Science**

Special topics in Science as announced.

*Prerequisite: Permission of the department*

## **Sociology**

### **SO 121 Principles of Sociology (3) A**

This course examines the foundations of sociology, social inequality, social institutions, and social change. It introduces students to the major concepts, theories and procedures of sociological inquiry.

### **SO 200 Sociology of Families (3) B**

A study of the function and structure of the family and its place in society. The emphasis is on the family as a social institution and its cultural foundations.

*Prerequisite: SO 121*

### **SO 203 Introduction to Criminology (3) B**

This course provides an introduction to the discipline of criminology: crime, criminal behaviour, and the criminal justice system. By engaging with criminological theories, we will examine the social processes leading to criminal behaviour, the changing definitions of deviance and criminality, the formulation of law, various ways of counting and measuring crime behaviour, and social responses to crime, including the operation of the criminal justice system.

*Prerequisite: SO 121*

### **SO 205 Sociology of Sport (3) B**

This course examines sport in modern societies, with special emphasis on sport in Canada. Emphasis will be given to how sport is socially constructed and the diverse meanings that different groups associate with sport. Attention will also be given to the relationship between sport and social problems and inequality.

*Prerequisite: SO 121*

### **SO 206 Sociology of Gender (3) O**

A look at how gender is socially constructed within society. By studying gender constructions, the course will identify how masculinity and femininity are defined in our culture, and the expected behaviours that are associated with these terms. We will examine how biological differences between the sexes have become linked to expected ways of being in society, and the impact this has on the lived experiences of men and women. We will also look at the issues around gender identity and how these issues have been constructed and presented in our society.

*Prerequisite: SO 121*

### **SO 207 Sociology of Health (3) O**

An introduction to the theoretical and empirical approaches commonly used by sociologists to study health and illness. The content reflects two broad themes pursued by medical sociologists: social inequalities in health and illness, and the social processes that shape the experience of health and illness.

*Prerequisite: SO 121*

### **SO 220 Social Problems (3) A**

This course examines a range of conditions in Canada and abroad which are generally perceived as social problems, including the consequences of these social problems for society and the social reaction to these problems.

*Prerequisite: SO 121*

### **SO 240 Sociology of Education (3) B**

An examination of structures and processes of education and teaching, and the relationship of education to other social institutions. The course also examines issues in education from the sociological perspective.

*Prerequisite: SO 121*

**SO 299 Special Topics in Sociology (3) O**

Selected themes in Sociology, as announced.  
May be repeated for credit if the topic is different.

*Prerequisite: 3 credits in Sociology*

**SO 300 Ethnic Relations (3) B**

This course examines the forms and dynamics of relations among ethnic groups around the world. Attention will be given to the nature of ethnic groups, the role of ethnicity, and current debates involving ethnic relations.

*Prerequisite: 3 credits in Sociology at the 200-level or ICS 202*

**SO 301 Sociology of Youth (3) O**

This course is an examination of youth culture in Canadian society. Drawing on various theoretical and historical perspectives, topics in this course include the shifting relationship between Canadian teenagers and social institutions such as the family, religion, education, state, and market. In addition, this course addresses the social construction and prolongation of adolescence, 21st century youth marginalization, emerging adulthood, positive youth development, and possible models of social justice for youth.

*Prerequisite: SO 121*

**SO 303 The Sociology of Youth Crime and Deviance (3) B**

An investigation of youth deviance and crime in Canada. The course will explore the history, correlates, and theories of youth crime. We will also consider various legislations around and responses to youth crime, including an observation of the youth court process and discussion of restorative justice.

*Prerequisite: SO 203*

**SO 310 Classical Social Theory (3) A**

This course is a survey of classical theories and theorists of the late 18th Century to the early 20th Century. It will involve examining the role of classical theorists and social theory in the social sciences in their application to social research, contemporary issues, and topics of concern.

*Prerequisite: 3 credits in Sociology at the 200-level*

**SO 311 Contemporary Social Theory (3) B**

Building on Classical Social Theory, this course examines the contributions of contemporary social theorists to social theory since about 1940. Among other theories, this course emphasizes development in functionalist, conflict, social interactionist, social exchange, and post-modernism thought.

*Prerequisite: SO 310*

**SO 320 Sociology of Religion (3) B**

This course is an introduction to the theories and concepts utilized by sociologists to interpret religious behaviour and the organization of religion. The intent is not to judge truth claims made concerning religion, but to investigate how religion contributes to social life.

*Prerequisite: 3 credits in Sociology at the 200-level*

**SO 325 Sociology of Deviance (3) B**

This course examines how society regulates behaviour, how individual groups are labeled as deviant, and the consequences of such a social behaviour. Topics to be explored include crime, risky delinquent behaviour, appearance issues, sexual deviance, mental illness, and substance abuse.

*Prerequisite: 3 credits in Sociology at the 200-level*

**SO 340 Religion and Culture in Canada (3) B**

This course explores the relationship between religion and culture in Canada from a sociological perspective. This examination will include a look at the past, present, and potential future relationship between religion and culture in Canada.

*Prerequisite: 3 credits in Sociology at the 200-level*

*Note: This course is cross-leveled at the graduate level as CS 620.*

**SO 360 Sociology of Development (3) B**

This course provides a sociological analysis of development. Beginning with a critical review of competing theoretical perspectives and empirical evidence, the course examines the diverse trajectories of industrialization and economic development across nations of different political and economic systems. The course further explores key international events that have rearranged the world and shaped global stratification. Among these events are: the end of the cold war, globalization of trade and production, shifting relations among capitalist powers, the debt crisis, aid, migration, gender and development, culture, political mobilization, and revolutionary movements. By critically engaging the core issues in the field of development, students will apply their theoretical understanding to empirical examples. The aim of the course is to enable students to develop the ability to critically analyze "doing development" in a global context.

*Prerequisite: 3 credits in Sociology at the 200-level*

*Note: This course is cross-listed as DVST 360*

**SO 399 Special Topics in Sociology (3) O**

Selected themes in Sociology, as announced. May be repeated for credit if the topic is different.

*Prerequisite: 3 credits in Sociology at the 200-level*

**SO 400 Socio-cultural Change (3) O**

An examination of theories accounting for social and cultural change. Attention will be given to views of modernity, post modernity, and globalization.

*Prerequisite: 3 credits in Sociology at the 300-level*

**SO 401 Sociology of Law (3) O**

This course engages students in a sociological examination of law, including theoretical understandings of law as a field of knowledge as well as critical examinations of law as a mechanism of social regulation and control. With this in mind, course topics include: the social reality of the law, law and social control, law and social change, violence and the law, and the role gender, race, and social status play in shaping legal decisions. To prepare students to examine the law from a sociological perspective, this course will also provide foundational training in reading case law, understanding legal terminology, and a basic comprehension of the Canadian criminal justice system.

*Prerequisite: 3 credits in Sociology at the 300-level*

**SO 402 Human Trafficking (3) B**

Human trafficking gained considerable attention in the early 21st century when it was cast alongside terrorism, arms dealing, and the drug trade as one of the most prevalent crimes in the world and the second most profitable form of organized criminal activity. Yet understandings of human trafficking remain highly contested and explanations are frequently polarized by debates concerning morality, justice, citizenship, and sexuality. Using a sociological lens, this course is designed to help students critically examine and contextualize conflicting understandings of human trafficking and to consider effective modes of prevention and response.

*Prerequisite: 3 credits in Sociology or Development Studies at the 200-level*

*Note: This course is cross-listed as DVST 402*

**SO 403 Global Criminology (3) B**

This course examines global criminal activities by considering crimes such as human trafficking, drug trafficking, arms dealing, international terrorism, piracy, and resource conflicts. The course will also analyze justice mechanisms and the organizations of global governance that seek to control or respond to such global crimes, such as the International Criminal Courts and the Council of Europe's Group of Experts on Action against Trafficking in Human Beings (GRETA).

*Prerequisite: 3 credits in Sociology at the 300-level*

**SO 405 Special Topics in Sociology (3) O**

Selected themes in Sociology, as announced.  
May be repeated for credit if the topic is different.

*Prerequisite: 3 credits in Sociology at the 300-level*

**SO 410 Religious Diversity in North America (3) O**

This course examines the growing prevalence of religious diversity in North America, including similarities and differences between the Canadian and American approaches and responses to religious diversity. Emphasis is given to how non-Christian groups adapt and negotiate their religious beliefs and practices, how Christian groups respond to religious diversity, and how the larger society responds to religious diversity in North America.

*Prerequisite: 3 credits in Sociology at the 300-level*

**SO 490a Independent Study (1.5) O**

Independent Study consists of an individual research project which investigates a problem area or topic not treated extensively in a regular course. Weekly seminar with instructor.

*Prerequisite: 3 credits in Sociology at the 300-level. Restricted to students in the BA: Behavioural Science (Major) program with a minimum cumulative GPA of 3.0.*

**SO 490b Independent Study (1.5) O**

Independent Study consists of an individual research project which investigates a problem area or topic not treated extensively in a regular course. Weekly seminar with instructor.

*Prerequisite: 3 credits in Sociology at the 300-level. Restricted to students in the BA: Behavioural Science (Major) program, permission of the department and a minimum cumulative GPA of 3.0.*

**SO 495a Research Study in Sociology (1.5) O**

Research project under the direction of a faculty member.  
Weekly seminar with instructor.

*Prerequisite: A minimum cumulative GPA of 3.0. Restricted to students in the final year of the BA: Behavioural Science (Major) and 3 credits in Sociology at the 300-level.*

**SO 495b Research Study in Sociology (1.5) O**

Research project under the direction of a faculty member.  
Weekly seminar with instructor.

*Prerequisite: SO 495a and a minimum cumulative GPA of 3.0*

**Statistics****STA 210 Introduction to Business Statistics (3-3) A**

This course is designed to give students a basic understanding of descriptive and inferential statistics. Emphasis is placed on practical application and students will learn to analyze and interpret basic statistical research. Topics include collection and presentation of data, descriptive statistics, introduction to probability theory, estimation, hypothesis testing, and linear regression. Students will also learn to use computer software to analyze data. This course has a lab component.

*Prerequisite: Math 30-1 or Math 30-2*

**Theatre****TH 100 Introduction to the Theatre (3) B**

This course provides an introduction to the nature and potential of theatre. It examines theatre as a living art form with the objective of enhancing students' enjoyment of the theatre experience. The course allows the student to identify dramatic elements found in plays and provides a fundamental understanding of the techniques of the theatrical arts. It is designed to introduce students to the work of creating theatre, to the cultural importance of theatre, including historical importance, and to the relevance of theatre in society. Through field trips students will view live theatre during the course.

**TH 120a Collective Creation I (3) A**

Collective Creation is a year-long course in which participants explore a variety of theatrical roles through primarily non-text based forms of stimulating theatre creation. This first-semester course focuses on generating material and learning to critique and respond to work.

**TH 120b Collective Creation II (3) A**

Collective Creation is a year-long course in which participants explore a variety of theatrical roles through primarily non-text based forms of stimulating theatre creation. This second-semester course furthers the exploration with a focus on material selection, refinement, and performance.

*Prerequisite: TH 120a*

**TH 130 Technical Theatre I (2-2) A**

A hands-on journey through the world of technical theatre exploring basic technical theatre terminology, chain of command, and introductory design concepts through class lecture, field trips and assignments. All students are expected to participate as technicians for program productions.

**TH 131 Technical Theatre II (2-2) A**

A hands on journey through the world of technical theatre featuring an in-depth exploration of theatrical design and construction through class lecture, field trips, guest instructors and lab assignments. All student are expected to participate as technicians for program procedures.

**TH 154 Script Analysis (3) A**

Through readings, written critiques, lecture and discussion, students become proficient in identifying the basic elements of both Narrative (in various manifestations) and Dramatic Structure.

**TH 160 Theatre History I (3) A**

A general survey of the evolution of western theatre from the Ancient Greeks to the Renaissance. This course examines cultural, political, and technological forces that have shaped the development of theatre throughout history. Students will investigate the writings of key dramatic theorists and study seminal plays from each historical period.

**TH 161 Theatre History II (3) A**

A general survey of the evolution of western theatre from the Renaissance to the present, including contemporary Canadian Drama. This course examines cultural, political, and technological forces that have shaped the development of theatre throughout history. Students will investigate the writings of key dramatic theorists and study seminal plays from each historical period.

**TH 201 Acting I: Meisner (3-3) A**

The first semester of a year-long course includes an exploration of introductory work in Stanislavsky-based methods of acting, focusing on Sanford Meisner's repetition exercises, improvisational technique, and basic scene work.

*Prerequisite: Must be enrolled in Acting diploma program or audition*

**TH 202 Acting II: Meisner (3-3) A**

The second of a year-long course includes additional introductory work in the Stanislavsky-based methods of acting, focusing on Sanford Meisner's emotional preparation exercises, character analysis, and advanced scene work.

*Prerequisite: TH 201*

**TH 203 Movement I (3-1.5) A**

A preparation of the body for use as a dramatic instrument. Students will discover their full range of body movement through identification and freeing of personal physical inhibitions. The course includes an introduction to a variety of basic dance styles through movement labs.

**TH 204 Movement II (3-1.5) A**

Continued preparation of the body for use as a dramatic instrument. Students will build their full range of body movement through identification and freeing of personal physical inhibitions. The course broadens student experience through an introduction to numerous additional basic dance styles in movement labs.

*Prerequisite: TH 201 or co-requisite with TH 202*

**TH 207 Voice and Speech I (2-1) A**

This course provides an exploration and discovery of the voice and its connection to breath, vibration, resonance, articulation, sensitivity and power. Emphasis will be placed on freeing the natural voice as it pertains to theatrical performance. Students will also be introduced to vocal anatomy and health, as well as phonetics relating to voice, speech and text work.

*Prerequisite: Must be enrolled in Acting diploma program*

**TH 208 Voice and Speech II (2-1) A**

This course provides continued exploration and discovery of the voice and its connection to breath, vibration, resonance, articulation, sensitivity and power. Emphasis will be placed on accelerated work with phonetics and articulation sensitivity. Students will further their understanding of vocal anatomy and health, as well as phonetics relating to voice, speech and text work on advanced/heightened text.

*Prerequisite: TH 207*

**TH 209 Vocal Production I (1-5) A**

The study of singing technique specific to actors. Through relaxation and preparation of the physical body to produce sound, each student in the course is introduced to the art of song preparation for solo sung theatrical performance.

*Prerequisite: Must be enrolled in Acting diploma program*

**TH 210 Vocal Production II (1-5) A**

Further study of singing technique specific to actors. Through relaxation and preparation of the physical body to produce sound, each student in the course further develops to the art of song preparation culminating in individual showcase performances.

*Prerequisite: Must be enrolled in Acting diploma program*

**TH 211 Performing Shakespeare (3) A**

Students will learn tools and techniques they can use to fully understand and embody Shakespearean text, including text analysis, personalization, the art of rhetoric, audience connection and explorative rehearsal techniques. Class work will focus on monologues and scene work. Actors are expected to explore the full-range of emotion within the life of Shakespeare's characters.

*Prerequisite: TH 201 or Co-requisite: TH 202*

**TH 217 The Professional Voice (3) B**

This course provides a praxis-based vocal-training curriculum for those who use or will use their speaking voice in their professional lives. The training explores the voice and its connection to breath, vibration, resonance, articulation, and phonation. Students will be introduced to vocal anatomy and health, as well as phonetics relating to voice, speech and the delivery and analysis of text. Emphasis will be placed on freeing the natural voice for speaking in the professional world with vocal efficiency, effectiveness and connectedness.

**TH 220a Collective Creation III (3) A**

Collective Creation is a year-long course in which participants explore a variety of theatrical roles, from acting to writing and directing, to all aspects of production through the lens of primarily non-textual forms of stimulating theatre creation. The first semester (TH220a) focuses on generating dramatic material and learning to critique and respond to work. The second semester (TH220b) furthers the exploration with a focus on material selection, refinement, and performance. All participants share equal responsibility for the creation and performance process.

*Prerequisite: TH 120b*

**TH 220b Collective Creation IV (3) A**

Collective Creation is a year-long course in which participants explore a variety of theatrical roles, from acting to writing and directing, to all aspects of production through the lens of primarily non-textual forms of stimulating theatre creation. The first semester (TH220a) focuses on generating dramatic material and learning to critique and respond to work. The second semester (TH220b) furthers the exploration with a focus on material selection, refinement, and performance. All participants share equal responsibility for the creation and performance process.

*Prerequisite: TH 220a*

**TH 222 Rehearsal and Performance: Classical Play (3) A**

This course provides practice in the dramatic process through the rehearsal and performance of a full-length play. The process of acting, analyzing dramatic form and the task of ensemble building in the context of live performance of a classical play will be explored. Students will develop rehearsal and performance skills and professional habits.

*Prerequisite: Audition and cast by Director/Course Instructor*

**TH 223 Rehearsal and Performance: Contemporary****Play (3) A**

This course provides practice in the dramatic process through the rehearsal and performance of a full-length play. The process of acting, analyzing dramatic form and the task of ensemble building in the context of live performance of a contemporary play will be explored. Students will develop rehearsal and performance skills and professional habits.

*Prerequisite: Audition and cast by Director/Course Instructor*

**TH 301 Acting III: Method (3-3) A**

This course is the first semester of a year-long exploration of introductory work in the Stanislavsky-based acting technique, focusing on Lee Strasberg's Sense Memory exercises, improvisational technique, and basic scene work.

*Prerequisite: TH 202*

**TH 302 Acting IV: Method (3) A**

This course is the second semester of a year-long exploration of introductory work in the Stanislavsky-based acting technique, focusing on Lee Strasberg's animal exercises, emotional recall, and advanced scene work.

*Prerequisite: TH 302*

**TH 303 Movement III (3-1.5) A**

This course provides advanced preparation of the body for use as a dramatic instrument. Students will utilize their full range of body movement and work to eliminate remaining physical inhibitions. The course adds a focus on movement in performance through rehearsal, showcase, and synthesis labs.

*Prerequisite: TH 204*

**TH 304 Movement IV (3-1.5) A**

This course provides advanced preparation of the body for use as a dramatic instrument. Students will utilize their full range of body movement and work to eliminate remaining physical inhibitions. The course continues the focus on movement in performance through rehearsal, showcase, and synthesis labs, while broadening student experience in additional dance styles.

*Prerequisite: TH 303*

**TH 307 Voice and Speech III (2-1) A**

This course provides advanced exploration of the voice and its uses in theatrical performance. Emphasis will be placed on freeing the natural voice to achieve emotional truth in acting. Students will continue to develop skills in phonetics and heightened/classical text.

*Prerequisite: TH 208*

**TH 308 Voice and Speech IV (2-1) A**

This course provides advanced exploration of the voice and its uses in theatrical performance. Emphasis will be placed on freeing the natural voice to achieve emotional truth in acting. Students will continue to develop skills in phonetics and heightened/classical text.

*Prerequisite: TH 307*

**TH 309 Vocal Production III (1-5) A**

This course is the study of advanced singing technique specific to actors. Through vocal and physical warm-ups, each student in the course will participate in ear training, song preparation for performance, and ensemble singing.

*Prerequisite: TH 210*

**TH 310 Vocal Production IV (1-5) A**

This course continues the study of advanced singing technique specific to actors. Each student in the course will participate in ensemble singing, song preparation for a group showcase performance, and applied auditioning techniques for musical theatre.

*Prerequisite: TH 309*

**TH 314 Stage Combat I (2-1) A**

This course will cover the first half of the Basic Level of unarmed and armed combat from the syllabus of the Fight Directors of Canada, featuring a wide variety of useful stage combat techniques and the ability to properly and safely enact violence on stage.

*Prerequisite: TH 204 or permission of the department*

**TH 315 Stage Combat II (2-1) A**

This course will cover the second half of the Basic Level of unarmed and armed combat from the syllabus of the Fight Directors of Canada, featuring a wide variety of useful stage combat techniques and the ability to properly and safely enact violence on stage.

*Prerequisite: TH 314*

**TH 330/331/430/431 Technical Theatre Practice****I/II/III/IV (1) A**

Students serve a specific technical role in a program production as designated by the production manager, stage manager, or technical director.

*Prerequisite:* One of the following: TH 130, TH 131

**TH 363 Canadian Drama (3) B**

This course is an exploration of the origins and continued practice of Canadian theatre. Part theory, part history, and part analysis, students will explore the major plays and theatrical innovations in the development of Canada's theatrical voice. When available, attendance at a professional production of a Canadian play will assist students with their experiential and analytical understanding of Canadian drama.

*Prerequisite:* TH 154 or EN 115

**TH 385 Medieval and Renaissance Drama (3) O**

Despite the Church's ancient hostility to the theatre, England produced a rich dramatic literature during the Middle Ages and Renaissance. This course examines the dramatic traditions that existed between 1300 and 1642, including religious and nonreligious works by such writers as the Wakefield Master, Marlowe, Jonson, Middleton, and Webster.

*Prerequisite:* TH 154

**Zoology****ZOO 261 Human Physiology I (3-3) A**

The basic structure and function of body systems – including cellular physiology, as well as nerve, muscle, sensory, reproductive and endocrine systems.

*Prerequisite:* BIO 133 or consent of instructor and department chair

**ZOO 263 Human Physiology II (3-3) A**

The basic structure and function of body systems – including blood and immunity, as well as the cardiovascular, respiratory, digestive, and urinary systems. This is a continuation of ZOO 261.

*Prerequisite:* ZOO 261

**ZOO 265 Human Anatomy (3-3) B**

This course covers the structure and function of the human body systems, with special emphasis on the muscular-skeletal, circulatory and nervous systems.

*Prerequisite:* BIO 133

**ZOO 267 Human Physiology for Non-majors (3) B**

This course will cover the essentials of human physiology for non-science majors – including major body systems and diseases.

*Prerequisite:* BIO 105

**ZOO 275 Invertebrate Zoology (3-3) B**

This course deals with the organization and morphology of the invertebrate phyla.

*Prerequisite:* BIO 133

**ZOO 277 Biology of Vertebrates (3-3) B**

This course examines the comparative anatomy, function, and development of the vertebrate groups.

*Prerequisite:* BIO 133

**ZOO 323 Integrative Physiology (3) B**

This advanced physiology course will enhance previous knowledge on body systems by discussing how different body systems interact with each other – including cardio-pulmonary and cardio-renal interactions, as well as the integrated body effects of stress, exercise, growth, and disease.

*Prerequisite:* ZOO 263

**ZOO 361 Pathophysiology (3) B**

This course covers the diseases and dysfunction of each body system, at the cellular, organ, and system level.

*Prerequisite:* ZOO 263

**ZOO 379 Introduction to Marine Biology (3-3) B**

This course is a zoology field course to Bamfield Marine Station. It will introduce students to the organisms found in the open ocean as well as the coastal and inter-tidal zones, how these organisms adapt to the environment, and the factors that control their productivity, distribution, and abundance. It will be multi-disciplinary, including aspects of animal biology, physiology, and ecology. It will incorporate lectures and class discussions but emphasize field work with organisms found in the coastal waters off British Columbia. Independent research papers will provide further opportunity to explore specific aspects of the Pacific Northwest oceanography.

*Prerequisite: BIO 133 or permission of the department*

**ZOO 381 Marine Biology II (3-3) B**

This course will continue from ZOO 379 and cover advanced topics in Marine Biology. It will be conducted at Bamfield Marine Sciences Centre and include a research component.

*Prerequisite: ZOO 379*

**ZOO 391 Ecosystems and Biodiversity of Southern Florida (3) O**

This course will be a field course. Students will study the aquatic and land ecosystems of southern Florida (coral reefs, sandy shores, riparian springs, estuaries, rain forest). It will include a trip to the dolphin research station in the Florida Keys and involvement in research projects within the Everglades National Park.

*Prerequisite: BIO 133*

**ZOO 405 Special Topics in Zoology (3) O**

Special studies in Zoology, as announced.

*Prerequisite: Permission of the department*



## Faculty List

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**Smith, Gordon T.**  
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### Vice President, Academic Affairs

**Nordstrom, Pam**  
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### Dean of Arts and Science

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**Badley, Jo-Ann**  
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**Martens, Sherry**  
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MALM

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**Peat, Dave**

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