



2023/24 Calendar

**For CMU's Undergraduate Programs
at Shaftesbury Campus**

Canadian Mennonite University

A member of Universities Canada

2023/24 Undergraduate Academic Calendar

For Shaftesbury Campus Programs

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Academic Schedule 2023/24

Schedule at Shaftesbury Campus

Fall Semester 2023

September 5	Opening convocation and academic orientation for ALL students
September 6	First day of fall semester classes
September 15	Last day of class change and registration period for classes beginning in September
October 9	Thanksgiving Day (university closed)
November 6–10	Reading days (no classes)
November 14	Last day for voluntary withdrawal from fall semester classes without academic penalty
December 5	Last day of regularly scheduled fall-semester classes
December 6 (Wednesday)	Classes held according to a Monday schedule
December 7-8	Reading days (no classes)
December 9-20	Examination days (including Saturdays December 9 and 16)
December 20	End of fall semester
December 23–January 1	University closed

Winter Semester 2024

January 2 (Tuesday)	University services open
January 8 (Monday)	First day of classes for winter semester
January 17	Last day of class change and registration period for classes beginning January
February 19	Louis Riel Day (university closed)
February 19–23	Reading days (no classes)
March 18	Last day for voluntarily withdrawal from all full-year and winter-semester classes without academic penalty
March 29	Good Friday (university closed)
April 5 (Friday)	Last day of regularly scheduled winter-semester classes
April 8 (Monday)	Classes held according to a Friday schedule
April 9–10	Reading days (no classes)
April 11–23	Examination days (including Saturdays April 13 and 20)
April 23	End of winter semester
April 27	Convocation

Spring/Summer Semester 2024

April 29	Spring/Summer semester begins
August 30	Spring/Summer semester ends

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The University

Canadian Mennonite University (CMU) is an innovative Christian university, located in Winnipeg, Manitoba. Chartered by the Province of Manitoba in 1998, CMU builds on a foundation of over fifty years of Mennonite higher education in the province, combining the resources of three colleges: Canadian Mennonite Bible College, Concord College, and Menno Simons College.

CMU is situated in a residential setting on about forty-four acres in the southwestern part of Winnipeg. It serves a growing student body of over 600 students of diverse backgrounds from across Canada and around the world.

CMU offers five baccalaureate programs: Bachelor of Arts, Bachelor of Business Administration, Bachelor of Music, Bachelor of Music Therapy, and Bachelor of Science. All baccalaureate programs are designed to give students solid grounding in their chosen areas of specialization, significant depth in biblical and theological studies, and contexts for working at integrating faith with all areas of learning.

Through its Graduate School of Theology and Ministry (at Shaftesbury Campus), CMU offers a Graduate Certificate in Christian Studies, the Master of Arts in Theological Studies, Christian Ministry, or Spiritual Care, as well as a Master of Divinity. CMU has two additional graduate programs: (1) a Master of Arts in Peace and Collaborative Development and (2) a Master of Business Administration, the latter of which is offered in collaboration with Eastern Mennonite University, Bluffton College, and Goshen College. For detailed information about these programs, see CMU's website and its Graduate Studies Academic Calendar.

CMU offers two areas of study—Conflict Resolution Studies (CRS) and International Development Studies (IDS) through its Menno Simons College (MSC) program, in affiliation with the University of Winnipeg. The two majors are fully integrated into the Bachelor of Arts curriculum at The University of Winnipeg. All courses offered through the MSC program are open to University of Winnipeg students and are subject to University of Winnipeg Senate approval and policies. Through the MSC program, CMU endeavors to build an intentional learning community for students interested in issues of peace, community development, and social justice.

In its pursuit of knowledge and in all its educational activities, CMU strives for open inquiry on the one hand, and for commitment to the Christian faith on the other. It is CMU's hope that its faculty, staff, and students will become people whose capacity to articulate the truth and whose passion for peace and justice will be instrumental in creating a better society.

In Fall of 2008, CMU became a member of Universities Canada. This association establishes principles for quality assurance of academic programs. CMU's membership in it provides greater access for its faculty to research funding, and for students it facilitates transfer of credit to other member institutions and admission to professional and graduate schools.

CMU's Mission Statement

Canadian Mennonite University is an innovative Christian University, rooted in the Anabaptist faith tradition, moved and transformed by the life and teachings of Jesus Christ. Through research, teaching, and service, CMU inspires and equips for lives of service, leadership, and reconciliation in church and society.

Section I: Undergraduate Studies at the Shaftesbury Campus

Admission and Registration

Application Procedure

1. Students can apply on-line, or they may print all application forms from the CMU website and submit the application by mail.

Students may also request applications for Leadership and/or Merit Awards.

2. All application materials should be submitted to the Admissions Office. In order to be considered for admission, students must include the following:

- Completed application form (online or paper copies accepted).
- Original official transcripts from high school and/or any post-secondary institution attended (this may be an interim or final transcript depending on whether the student has graduated).
- If the applicant is still completing grade 12, the applicant must include a list of current courses, since these courses serve as the basis of admission. Lists should come directly from the applicant's high school.
- An application fee as applicable.
- The housing deposit, if applicable.
- Reference forms (if applying for CMU housing) to be sent directly to the admissions department by the one completing the form.

3. Receipt of applications will be acknowledged in writing.

4. Applicants will be advised of their admission status by letter from the admissions office as follows:

Applicants from High School

- Applicants anticipating graduation from high school will be admitted conditionally on the basis of interim grades and current courses.
- After graduation from high school, applicants must submit a final official transcript. The admissions office will then determine final acceptance and send an official letter of admission.

Applicants transferring from a post-secondary institution

- Applicants completing coursework at another post-secondary institution will be admitted conditionally on the basis of interim grades and current courses. If the

applicant has not completed thirty credit hours or more at another post-secondary institution then an official High School transcript will be required. If a student applies to CMU while under suspension from another institution, that student will be considered for admission only after a careful assessment of the reasons for suspension from the former institution.

- After all coursework is completed, applicants must submit a final official transcript. The admissions office will then determine final acceptance and send an official letter of admission.
- Applicants must disclose and submit transcripts from all post-secondary institutions attended during the application process. Failure to provide a complete academic record is considered academic misconduct (see *Academic Integrity Policy*) and may result in admission being revoked and the student being deregistered from classes.

Admission Requirements

Student Admission Status

A student will be admitted to CMU under one of the following classifications:

- Regular Student
- Accelerated Student
- Mature Student
- Home-Schooled Student
- Extended Education

Admission as Regular Students

Canadian high school graduates must have Grade 12 English and meet the admission requirements for their home province as indicated below. The list below presents the admission requirements in summary form for each Canadian province.

For more detailed information, applicants should contact an admissions counsellor at CMU.

Applicants should note that several courses (e.g., introductory courses in biology, chemistry, mathematics, or physics) or programs (e.g., programs in Business and Organizational Administration) at CMU have specific Prerequisite in mathematics and/or science.

Manitoba applicants:

- Graduation from high school with 5 full credit 40-level courses (4 courses with a S, G, or U designation; and 1 course with an S, G, U or C designation).
- Admission average of 70% over 3 courses: English 40S (minimum grade of 60%), Math 40S, and a course the approved course list (see Appendix A)

Out-of-province applicants: See Appendix B for province specific admission requirements.

Community College students with a minimum of one year of a two-year diploma program and a minimum “C” average may apply for admission as Regular Students.

USA Applicants may be considered for admission to the University when:

- They present a full academic high school program including successful completion of Grades 10 to 12 in the appropriate subjects and Grade 12 or equivalent standing that also meets admission requirements of major universities or colleges within their home states.
- They have an acceptable score on the SAT I or ACT plus Writing.

For more information, applicants should contact an admissions counsellor at CMU.

Other International Applicants will be considered for admission if they meet one of the following criteria:

- The applicant is eligible for admission to a major university in the country of their citizenship.
- The applicant has successfully completed an internationally examined curriculum such as the General Certificate of Education (G.C.E.)* or International Baccalaureate (I.B.).
- The applicant has successfully completed the formal graduation requirements of a high school in Canada or the U.S.A.
- The applicant has successfully completed a year of full-time studies at a university or college in Canada or the U.S.A.

***Note regarding the General Certificate of Education:** The G.C.E. and Higher School Certificate are accepted as senior matriculation provided they include standing in at least two subjects at the advanced/principal level and three at the ordinary level, or three subjects at the advanced/principal level and one at the ordinary level, with an overall average of ‘C’. No subject with a grade below ‘D’ will be accepted. (Grades of ‘E’ at the ordinary level or 7, 8 and 9 on School Certificates are not acceptable.)

For more information on specific admission requirements by country please view the website.

International applicants whose primary language is not English must demonstrate proficiency in English by one of the following tests:

1. Test of English as a Foreign Language (TOEFL):
 - A minimum score of 550 (paper-based) with no less than 50 in each component
 - or a minimum score of 213 (computer-based) with no less than 17 in each component
 - or a minimum score of 80 (Internet-based) with no less than 19 in each component

- or a minimum score of 80 (Internet-based Special Home Edition) with no less than 19 in each component
2. International English Language Testing System (IELTS):
 - Academic Module in-person: Minimum band score of 6.5, with no less than 6.0 in each individual component.
 - Academic Module IELTS Indicator: Minimum band score of 6.5, with no less than 6.0 in each individual component.
 3. CanTest:
 - An average score of 4.5 in Listening and Reading and a score of 4.0 in Writing
 - A score of 3.5 in Writing may be considered, provided the student is registered in ACWR-1010 Writing for Academic Purposes in their first semester
 4. Cambridge English Assessment Scale:
 - A minimum score of 180 (C) on the C1 Advanced or a minimum score of 200 (C) on the C2 Proficiency Test.
 5. MELAB (Michigan English Language Assessment Battery):
 - Minimum score of 80%
 6. CAEL (Canadian Academic English Language Assessment):
 - Computer and Online: Minimum score of 60
 7. PTE (Pearson Test of English – Academic):
 - Minimum of score of 58
 8. Successful completion of the AEPUCE (Academic English Program for University and College Entrance) offered at the University of Manitoba or a comparable program at a recognized University.
 9. Successful completion of Academic Level 5 in the English Language Program (ELP) at The University of Winnipeg with a minimum C+ in English and a minimum C in all other components.
 10. ESP (English for Specific Purposes Program) at the University of Winnipeg with a Minimum C+ in Academic Writing 1 and 2.

English Language Requirement - Waiver Options

Students may request a waiver of the English Language Requirement. Students must provide supporting documentation to show they meet one of the conditions below:

1. Three years of full-time education in English at secondary (high school) or post-secondary (university or college) levels in Canada, or
2. Graduation from a Manitoba high school with at least one Senior 4 Core English credit with a minimum grade of 70% (Comprehensive Focus, Literary Focus or Transactional Focus), or
3. Graduation from a Canadian high school with at least one Grade 12 English with a minimum grade of 70%, or
4. Graduation from a Canadian curriculum high school outside of Canada with at least one Grade 12 English with a minimum grade of 70% (*students taking a New Brunswick curriculum are not included. You must present an IELTS test*) or
5. Achieved a minimum grade of four (B) on the International Baccalaureate Higher Level English course, or a minimum grade of three (B) on the Advanced Placement English examination (Language Composition; Literature and Composition), or
6. Have graduated from Grade 12 in an English Exempt Country. Canadian Mennonite University reserves the right to request

additional documentation which may include the submission of a standardized test of English, or fulfilment of an English Proficiency Test, or

7. Ten consecutive years of residency in Canada that may include years of study in Canada. The period of residency will be the time elapsed between the "Landed On" date on the Record of Landing Document and July 1 of the year of application.

Admission as Accelerated Students

High school students in Manitoba, who have earned at least 24 credits, one of which is a 40S, 40G or 41G course, within the space of three calendar years, may apply to take a partial first-year program while simultaneously completing subjects necessary to meet admission requirements as Regular Students. Applicants in this classification must submit official evidence of all high school work completed. No degree credit will be granted for courses completed at CMU until requirements for admission as a Regular Student have been met.

Admission as Mature Students

Canadian citizens or permanent residents of Canada, who do not possess the academic qualifications for admission as Regular Students may be considered for admission as Mature Students if they have attained at least twenty-one years of age by the end of the calendar year in which they will begin classes. Applicants must satisfy one of the following conditions:

- Completed grade 12, though lacking some of the subjects required for admission as a Regular Student. Minimum grade requirements are the same as for admission as Regular Student.
- Completed three approved 40S courses, or equivalent, within the last three years. Minimum grade requirements are the same as for admission as Regular Student.
- Completed the equivalent of one semester (9 credit hours) at another post-secondary institution (e.g., technical college, Bible school or college) with a minimum GPA of 2.0.
- Completed a certificate program equivalent to one semester of work (9 credit hours) in a continuing education department at a post-secondary institution.
- Satisfactorily completed the General Education Development Tests.
- A successful prior learning assessment conducted at CMU.

Students admitted as Mature Students may be given the standing of Conditional Continuance. Their academic performance will be evaluated at the end of their first semester according to CMU's policy on Academic Standing. Applicants whose first language is other than English must satisfy CMU's English proficiency requirement.

Admission as Home-Schooled Students

Home-schooled students who are 21 years of age or older may be considered for admission as Mature Students. Students who are under 21 years of age and have not, or will not,

receive a certificate of graduation through a public or an accredited private secondary school system, may apply for admission under one of the following two options:

- Students who have successfully completed a provincial secondary school study program must submit a final mark statement and a graduation certificate from the Department of Education of their home province to demonstrate that they meet CMU's regular admission requirements.
- Students who have been home-schooled on a private basis must submit a written declaration or transcript prepared by the primary educator outlining the secondary level courses completed the type of program, material used, and the length of the program. To be eligible for consideration, such students must have achieved a minimum of 65%. After the student has completed a minimum of eighteen credit hours of coursework at CMU, the student's academic performance will be evaluated in accordance with CMU's policy on academic standing.

Admission as Extended Education Students

Students may choose to take courses at the undergraduate level through the extended education department. To apply, applicants must complete the extended education online application form on the website and provide official transcripts or a letter of permission. There are *three* categories of extended education students:

Auditing: A person interested in taking a few courses for personal or professional interest but not for academic credit may apply. Admission is based on completion of high school/GED or relevant life experience. Auditing students will attend classes regularly. Participation in class discussion and completion of assignments is at the discretion of the instructor. A student will not receive a grade in the class. Auditing students are restricted to auditing only courses approved by the Registrar's Office (excludes IAMS, Ensembles, courses with labs, etc.).

For-Credit: A person 21 years of age or older interested in taking a few courses for credit but not wanting to pursue a degree program may apply. Admission is based on completion of high school/GED or relevant life experience. Registration is restricted to part-time study. Students are restricted to taking only courses approved by the Registrar's Office (excludes IAMS, Ensembles, etc.) and courses for which the student meets Prerequisite. A maximum of 15 credit hours can be taken as an Extended Education student. After 15 credit hours, the student may apply for admission as a regular student. Admission to CMU's degree programs will be based on attainment of a GPA of 2.0 or higher in courses completed at CMU.

Visiting Students: Students currently enrolled in a program of study at another university or college may take courses at CMU with permission from their home institution. To apply, applicants must provide a Letter of Permission from their home institution. Students are restricted to taking only courses listed on the letter of permission.

Overview of Academic Programs

Bachelor of Arts (Honours, Four-Year) 120 credit hours

Majors: Biblical and Theological Studies
Interdisciplinary Studies

Bachelor of Arts (Major, Four-Year) 120 credit hours

Majors: Arts and Sciences
Biblical and Theological Studies
Business and Organizational Administration
Christian Ministry
Communications and Media
Communications and English
English
Environmental Studies
History
Humanities
Interdisciplinary Studies
International Development Studies
Mathematics
Music
Peace and Conflict Transformation Studies
Philosophy
Political Studies
Psychology
Social Science

Bachelor of Arts (Major, Three-Year) 90 credit hours

Majors: Biblical and Theological Studies
Business and Organizational Administration
Communications and Media
English
Geography
History
International Development Studies
Mathematics
Music
Peace and Conflict Transformation Studies
Philosophy
Political Studies
Psychology
Social Science

Bachelor of Arts (General, Three-Year) 90 credit hours

Bachelor of Business Administration (Four-Year) 120 credit hours (also available as a cooperative program)

Majors: Business Management
Not-for-Profit Management
Accounting
Human Resources Management
Social Entrepreneurship

Bachelor of Music (Four-Year) 130 credit hours

Concentrations: Comprehensive
Music Education
Music Ministry
Musicology
Performance

Bachelor of Music Therapy (Four-Year) 133 credit hours (also available as a two-year after-degree program)

Bachelor of Science (Major, Four-Year) 120 credit hours

Majors: Biology
Mathematics

Bachelor of Science (Major, Three-Year) 90 credit hours

Major: Biology
General

Certificate in General Studies, (One-year) 24 credit hours

Pre-professional Studies

A year or more at CMU could prepare students to meet the entrance requirements of the following professional faculties or schools at various universities:

- Agribusiness
- Agriculture
- Agroecology
- Dental Hygiene
- Dentistry
- Diagnostic Medical Sonography, Ultrasound
- Education
- Family Social Sciences
- Food Science
- Health Sciences
- Health Studies
- Human Ecology
- Human Nutritional Science
- Kinesiology/Athletic Therapy
- Law
- Medical Lab Sciences
- Medicine
- Nursing
- Occupational Therapy
- Pharmacy
- Physical Education
- Physical Therapy
- Recreational Management and Community Development
- Respiratory Therapy
- Veterinary Sciences

Students who wish to become eligible to apply to a professional program may need to meet very specific requirements during their year(s) of study at CMU. Such students should meet with the Coordinator of Student Advising for assistance.

Common Curriculum Requirements

CMU's common curriculum ("the Commons") is designed to guide a student through their university studies, giving them meaningful touch points with the central activities and concerns of this particular university. CMU is committed not only to giving students a credential, but to inviting them into a formative experience in which they exercise their thinking within a community of real-world engagement. All undergraduate students entering the Bachelor of Arts, Bachelor of Business Administration, Bachelor of Science, Bachelor of Music, and Bachelor of Music Therapy (4-year) programs in fall 2023 and following, will be required to complete the common curriculum requirements as part of their degrees. Below are the common curriculum requirements for the undergraduate programs:

INTD-1000 Ways of Knowing I

This course invites students into the heart of CMU by involving them in an interdisciplinary course that gets faculty and students thinking theologically together about an issue of current concern. This is a required course for students starting at CMU fall 2023.

Theology

Courses at CMU ask how we think and live as Christian and other religious communities: how we read, how we think, how we live. Fulfill this requirement with courses from Biblical and Theological Studies.

Sciences

CMU approaches the sciences as ways of paying attention—to solve mysteries about how the natural world works. Fulfill this requirement with courses from Biology, Chemistry, Computer Science (excepting COMP-2010 Computer Implications: Social and Ethical), Mathematics, and Physics. In addition, the following may be used to meet the science requirement:

- HIST-2000 History of Science
- PSYC-2040 Research Analysis in Psychology

Social Sciences

Courses explore scientifically the ways that we connect to others—how we think about, influence, and relate to one another. Fulfill this requirement with courses from Anthropology, Economics, Environmental Studies, Geography, Indigenous Studies, International Development Studies, Music Therapy, Peace and Conflict Transformation studies, Political Studies (excepting Peace Skills), Political Studies, Psychology (excepting PSYC-2040 Research Analysis in Psychology), and Sociology. In addition, the following may be used to meet the social science requirement:

- COMM-1000 Introduction to Communications and Media
- MUSC-2700 Research in Music Education
- MUSC-3830 Psychology of Music

Humanities

Courses focus on the texts, ancient to modern, that tell us who we are, and on the events that have formed the world in which we live. Fulfill this requirement with courses from English, History, Languages, Music, Philosophy, and Religions. The following may not be used to meet the humanities requirement:

- MUSC-2700 Research in Music Education
- MUSC-3830 Psychology of Music
- MUSC-14XY to 46XY Individual Applied Music Studies
- Music ensembles
- Music skills
- Theatre ensemble

Anabaptist

Whether or not you are Anabaptist, this movement that gave rise to the Mennonite churches that profoundly shapes CMU. Anabaptist courses ask who we are and why we do what we do. Courses that fulfill this requirement are:

- BTS-2560 Anabaptist Beginnings
- BTS-2760 *The Martyrs Mirror*
- ENGL/BTS-3765 Mennonite Literature and Theology
- Topics courses that will vary from year to year.

Indigenous

CMU dwells in Treaty One territory. Courses in the Indigenous requirement offer insight into Indigenous perspectives and decolonization through Indigenous Studies and other subject areas. Courses that fulfill this requirement are:

- HIST/INDS-2040 History of Indigenous Peoples of Canada
- INDS-1050 Indigenous Peoples of Canada
- MUSC-3240 Decolonizing our Learning through Music
- PCTS-1110 Introduction to Peace and Conflict Transformation Studies
- Topics courses that will vary from year to year.

Making

Whether you are composing a song, filming a video, or designing a business plan, Making courses involve participation in as well as reflection on creative arts and other design processes. Courses that fulfill this requirement are:

- BIOL-4380 Molecular and Cellular Laboratory Methods
- BTS-4400 The Art of Preaching
- COMM-1015 Media Skills: Introduction to Digital Production
- COMM-2118 Media Skills: Radio Team
- COMM-3050 Advanced Graphic Design
- ENGL-1510 Introduction to Theatre
- ENGL-2400 Creative Writing: Non-Fiction
- ENGL-2410 Creative Writing: Short Fiction
- ENGL-2420 Creative Writing: Poetry
- MUSC-1000 Music Theory I
- MUSC/BTS-2330 Leading Music and Worship
- MUSC-3050 Composing and Arranging Seminar
- MUSC-3150 Conducting Techniques II
- MUSC-X160 Opera Workshop
- MUSC-14XY to 46XY Individual Applied Music Studies

PCTS-3100 Models for Peace and Conflict Transformation
Topics courses that will vary from year to year.

Ways of Knowing II

These courses come later in the degree and take up the kinds of big questions that Ways of Knowing I begins to ask. Develop your thinking with other students from across majors. Courses that fulfill this requirement (and the former Integrative Studies requirement) are:

- BIOL-3600 Introduction to Mathematical Biology
 - COMM-3800 Christianity and the Mass Media
 - HIST-4200 Theory and Methods of History
 - IDS/ENVS/SOCI-3521 Study of Simple Living
 - IDS/PCTS/POLS/SOCI-4100 Senior Seminar in Social Change
 - MATH-3050 Dynamical Systems and Chaos
 - MATH-3060 Introductory Logic
 - PCTS-3700 Ethics of Peacebuilding
 - PHIL-2080 The Ethics of Love
 - PSYC/PCTS-4010 Senior Seminar Identity and Intersectionality
 - SOCI-3950 Sociology of Mental Health
- Topics courses that will vary from year to year.

Practica

CMU recognizes that valuable learning takes place outside of the classroom through experiences in various settings. Consequently, almost all CMU programs have practicum requirements.

Practica are supervised, structured educational opportunities that involve action, reflection, and response. Students may fulfil this requirement in and around Winnipeg, somewhere in Canada, or internationally.

Students may choose from the practica that are scheduled alongside other courses during the academic year and/or from the intensive practica that require the student to spend a specified number of weeks of concentrated time in a placement. As the academic programs section of this calendar indicates, some majors and concentrations require or recommend particular kinds of practica.

For information regarding practicum courses, see the COURSE DESCRIPTIONS section of this calendar. For information regarding recognition of previously completed service assignments, see the ACADEMIC POLICIES section of this calendar.

Academic Writing

Academic Writing at CMU

As CMU faculty, we are active writers and researchers. We teach academic writing in our classrooms as well, viewing students as writers, too. When you study at CMU, you will encounter diverse understandings of writing and you will be engaged in the practice of writing.

In so doing, you will understand and reflect more deeply in your courses, you will contribute your own voice and

arguments to CMU's intellectual community, and you will learn how to adapt your writing to reach new audiences in the academy, the workplace, and the world.

What is academic writing?

Writing is a *knowable practice* through which we engage in dialogue and relationship with *particular communities of readers*.

Writing in the academy entails moving between *writing private texts and writing public texts*.

- Private texts are written as part of our research or thought within a particular academic community.
- Public texts aim to accomplish things, to change or expand knowledge, to answer questions, or to open new questions, in a particular community.

Writing is a process, therefore, in which we encounter both *our own writerly voice, and voices other than our own*—encounters that can be agonistic, playful, argumentative, or generative. Writing is social, an activity we do with others who become co-authors, or critics, or engaged readers of our writing.

- Through the reflective work of writing, we develop and change our own thinking and practices.
- Through the social process of writing, we engage with and build on the work of others.
- Through the public work of writing, we contribute to the thinking and practice of others.

What can students expect to do in academic writing courses?

When CMU faculty teach academic writing, we engage students with core practices reflecting these understandings of writing:

- Students *learn characteristic ways of reading and writing* in particular academic disciplines and fields.
- Students *write as a way of learning and making knowledge* throughout the semester, and not only at its conclusion.
- Students *give and receive feedback on writing*, and use feedback to *revise* their work meaningfully.
- Students *learn to polish their work* so that it reads clearly and without error for a particular academic audience.
- Students *make their work public* to audiences inside (and where possible, outside) the classroom.
- Students *reflect on the process of learning to write* so that they are well-prepared to engage new audiences through writing.

Since the ability to write clearly is essential to learning, thinking, and communicating, all degree programs at CMU include an academic writing requirement.

Students will fulfil this requirement by

1. Completing the course ACWR-1010 *Writing for Academic Purposes* OR
2. Completing one course with the academic writing designation: "W" in the course ID.
3. Applying for an exemption on the basis of a grade of 90% in grade 12 English and an average of 90% over three grade 12 academic subjects.

Students will normally complete this requirement within their first thirty credit hours. Students who have completed a baccalaureate program at a college or university where English is the primary language of instruction will be exempted from the academic writing requirement.

Former and Transitional Core Curriculum Requirements

Students who started their degrees prior to fall 2023 will have the option to either complete the former core curriculum requirements or the transitional core requirements. This policy is in effect for all students in Bachelor of Arts, Bachelor of Business Administration, Bachelor of Science, Bachelor of Music, and Bachelor of Music Therapy (4-year). Students completing Bachelor of Music Therapy (2-year after-degree) will be required to complete the former core curriculum requirements.

Former Core Requirements (prior to fall 2023)

Former Core Curriculum Requirements for the BA, BBA, BSc:

Biblical and Theological Studies—18 credit hours as follows:

One of: BTS-1110, BTS-1120, or BST-1130

One of: BTS-2000, BTS-2420, BTS/HIST-2550, BTS-2720, BTS-2740, or BTS-2750

BTS Electives —12 credit hours

Integrative Studies*—6 credit hours, including a minimum of 3 credit hours at the 3000-level or above

Humanities—6 credit hours

Social Science—6 credit hours

Science—6 credit hours

Practicum—6 credit hours

Anabaptist studies requirement**

Academic writing requirement

Former Core Curriculum Requirements for the BMus and BMT (4-year and 2-year after-degree):

Biblical and Theological Studies—15 credit hours as follows:

One of: BTS-1110, BTS-1120, or BST-1130

One of: BTS-2000, BTS-2420, BTS/HIST-2550, BTS-2720, BTS-2740, or BTS-2750

BTS Electives —9 credit hours

Church Music—6 credit hours from MUSC/BTS-2300, 2310, MUSC-2320 or 2330

Integrative Studies*—3 credit hours at the 3000-level or above

Anabaptist studies requirement**

Academic writing requirement

*Ways of Knowing II courses taken fall 2023 and following will fulfill the Integrative Studies requirement in the former core curriculum.

** Anabaptist Studies courses taken fall 2023 and following will fulfill the Anabaptist Studies requirement in the former core curriculum.

Timeframe for Completion of the Former Core Requirements

CMU's Revision or Discontinuance of an Academic Program

policy states that a student has a maximum timeframe of 6 years from the year of initial registration to complete the requirements of a program that has been discontinued. After that, a student must complete the requirements of the new common curriculum or transitional core.

Transitional Core Requirements

The transitional core incorporates many of the elements of the new common curriculum while ensuring a pathway for program completion.

Transitional Core Curriculum Requirements for the BA, BBA, BSc:

Intro BTS—3 credit hours

Theology (BTS)—9 credit hours

Humanities—3 credit hours

Social Science—3 credit hours

Science—6 credit hours

Ways of Knowing II*—6 credit hours

Anabaptist**, Indigenous, Making—6 credit hours from two of the three categories

Practicum—6 credit hours

Academic writing requirement

Transitional Core Curriculum Requirements for the BMus and BMT (4-year):

Intro BTS – 3 credit hours

Theology (BTS) and Church Music—9 credit hours (minimum 3 credit hours of each)

Humanities—3 credit hours

Social Science—3 credit hours

Science—3 credit hours

Ways of Knowing II*—3 credit hours

Anabaptist**, Indigenous, Making—6 credit hours from two of the three categories

Academic writing requirement

*Courses previously taken to fulfill the old Integrative Studies requirement will automatically count as fulfilling the Ways of Knowing II requirement for purposes of the transitional core.

**Courses previously taken to fulfill the old Anabaptist Studies requirement will automatically count as fulfilling the Anabaptist Studies requirement for purposes of the transitional core.

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*Since course offerings in these subject fields are still quite limited at CMU, students choosing majors in these fields may find it necessary to complete some courses at the University of Manitoba, at The University of Winnipeg, or at some other university.

1. Arts and Science Major within the Bachelor of Arts

Program Chair: Tim Rogalsky, PhD

This interdisciplinary major in Arts and Sciences gives students a grounding in the Arts and in the Sciences, including Biology, Physics, Chemistry, and Mathematics. It enables a flexible combination of these with other disciplines in the liberal arts, giving students opportunity to study Science within a broader liberal arts inquiry.

1.1 Arts and Sciences Major, four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 66 credit hours including:
 - (i) An Arts Concentration of at least 30 credit hours, EITHER defined in the same way as any existing three-year major offered by CMU (excepting Mathematics) OR as defined by the student and approved by Curriculum Committee, including a minimum of 18 credit hours at the 2000-level and above, and including 6 credit hours at the 3000-level and above, AND
 - (ii) A Sciences Concentration, including EITHER a minimum of 36 credit hours as defined in one of

the three options below OR as defined by the student and approved by the Curriculum Committee, including a minimum of 12 credit hours at the 2000-level and above.

General electives:

As required to reach a total of 120 credit hours

Pre-defined Science Concentrations:

1. Applied Mathematics—a minimum of 36 credit hours as follows:
 - MATH-1000 Basic Statistical Analysis
 - MATH-1020 Introduction to Calculus
 - MATH-1030 Calculus II
 - MATH-2040 Ordinary Differential Equations
 - MATH-2005 Vector Geometry and Linear Algebra
 - MATH-3050 Dynamical Systems and Chaos
 - PHYS-1010 Physics I: Mechanics of Movement
 - PHYS-1020 Physics II: Oscillations and Waves
 - PHYS/MATH-2010 Electromagnetic Field Theory
 - COMP-1030 Introduction to Computer Science
 - An additional 6 credit hours in Mathematics, Physics, or Computer Science
2. Biochemistry—a minimum of 36 credit hours as follows:
 - BIOL-1310 Cells and Energy
 - BIOL-1320 Diversity of Life
 - BIOL-2100 Genetics of Eukaryotes and Bacteria
 - BIOL-2200 Microbiology
 - CHEM-1010 Structure and Modelling in Chemistry
 - CHEM-1020 Physical Chemistry
 - CHEM-2010 Organic Chemistry I: Structure and Function
 - CHEM-2020 Organic Chemistry II: Reactivity and Synthesis
 - CHEM-2110 Biochemistry I: Biomolecules and Metabolic Energy
 - CHEM-3110 Biochemistry II: Catabolism, Synthesis, and Metabolic Pathways
 - EITHER MATH-1020 Introduction to Calculus AND MATH-1030 Calculus II
 - OR PHYS-1010 Physics I: Mechanics of Movement AND PHYS-1020 Physics II: Oscillations and Waves
3. Biology—a minimum of 36 credit hours as follows:
 - BIOL-1010 The Evolutionary and Ecological Revolution
 - BIOL-1020 The Genetic Revolution
 - BIOL-1310 Cells and Energy
 - BIOL-1320 Diversity of Life
 - CHEM-1010 Structure and Modelling in Chemistry
 - CHEM-1020 Physical Chemistry
 - CHEM-2010 Organic Chemistry I: Structure and Function
 - CHEM-2110 Biochemistry I: Biomolecules and Metabolic Energy
 - Plus at least 12 credit hours of upper-level biology courses, including 9 credit hours at the 2000-level (but excluding BIOL-2010) and 3 credit hours at the 3000-level.

4. Ecology—a minimum of 36 credit hours as follows:
 - BIOL-1010 The Evolutionary and Ecological Revolution
 - BIOL-1020 The Genetic Revolution
 - BIOL-1310 Cells and Energy
 - BIOL-1320 Diversity of Life
 - BIOL-2510 Principles of Ecology
 - BIOL-3510 Conservation Biology
 - BIOL-4580 Quantitative Methods in Biology
 - CHEM-1010 Structure and Modelling in Chemistry
 - CHEM-1020 Physical Chemistry
 - MATH-1000 Basic Statistical AnalysisPlus at least 6 credit hours from the following:
 - MATH-1020 Introduction to Calculus
 - MATH-1030 Calculus II
 - BIOL-2100 Genetics of Eukaryotes and Bacteria
 - BIOL-2200 Microbiology
 - CHEM-2110 Biochemistry I: Biomolecules and Metabolic Energy
5. Mathematics—The requirements for this concentration are identical to those prescribed for a three-year major, except that this concentration requires an additional six credit hours in electives.

Note: The concentrations described above will be recognized as minors alongside other majors in any B.A., except that the concentration in Applied Mathematic may not stand alongside a major in Mathematics and the minors in Biology and Ecology may not stand alongside a major in Environmental Studies.

Degree Regulations:

1. A course may not be used to satisfy requirements of two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in six credit hours in each of the required 1000-level courses to declare a major in this field.
7. Students who choose to define their own concentration will work in consultation with a faculty advisor to prepare a proposal for presentation to the

Curriculum Committee. A proposal will consist of a list of courses and a rationale. Students should submit proposals to the Program Chair, who will submit if for consideration to the Curriculum Committee.

2. Biblical and Theological Studies, Majors or Minor within the Bachelor of Arts

Program Co-Chairs: Sunder John Boopalan, PhD and Chris Huebner, PhD

Biblical and Theological Studies invites students to disciplined, thoughtful reflection on the Bible, on the theological traditions and history of the church, and on the experiences and practices of Christian communities around the world. Students develop skills to apply biblical and theological wisdom to contemporary personal and social issues. Students also discover ways in which they might be transformed as they reflect on how Christian faith and practise can be of service to God and the world. CMU seeks to foster dialogue between this field of inquiry and other academic disciplines, between the Anabaptist/Mennonite tradition and the diversity of Christian traditions, and between Christian thought and the variety of worldviews. Biblical and Theological Studies will prepare students for their vocation to live as Christians and for various ministries within the Church or with church-related organizations.

2.1. Biblical and Theological Studies Major, B.A. Honours (Four-year)

Admission Requirements:

- Minimum GPA of 3.5 over 60 credit hours
- Minimum GPA of 3.5 in BTS courses
- Application in writing to the BTS Program Chair at the beginning of the third year, after completing 45 credit hours, including at least 12 credit hours in BTS

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum GPA of 3.5 in courses presented for the major
- A minimum GPA of 3.5 in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours

- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist —3 credit hours
- Indigenous —3 credit hours
- Making —3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 54 credit hours, maximum of 60 credit hours
- A minimum of 30 credit hours at the 3000-level and above, including 9 credit hours at the 4000-level
- One of the following:
 - BTS-1110 Biblical Literature and Themes
 - BTS-1120 Encountering the Bible
 - BTS-1130 Introducing Jesus: An Overview of the Christian Bible
- One of the following:
 - BTS-2000 Introduction to Christianity
 - BTS-2420 Introduction to Christian Spirituality
 - BTS/HIST-2550 History of Christianity
 - BTS-2720 Theologies of the Global South
 - BTS-2740 Christianity and Art
 - BTS-2750 Introduction to Christian Ethics
- Bible—12 credit hours, including 6 credit hours in each of Old and New Testament
- Theology—6 credit hours
- History of Christianity—6 credit hours
- Practical Theology—6 credit hours
- Biblical and Theological Studies electives—12 credit hours
- BTS-4000 Honours Thesis

Ancillary Requirement:

- Language related to field of study, ancient or modern—6 credit hours

Minor Requirement:

- A minor as defined under any other subject field in this calendar

General electives:

- As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media

skills), and a maximum of nine credit hours of practicum.

4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. Students may include up to twelve credit hours within the electives of the major from the following list:
 - HIST-2080 Mennonites in Europe
 - HIST-3100 Religion in Canadian History
 - LANG-2320 Elementary Biblical Hebrew II
 - RLGN-1700 Religious Traditions of the World I
 - RLGN-1710 Religious Traditions of the World II

2.2. Biblical and Theological Studies Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 48 credit hours, maximum of 54 credit hours
- A minimum of 24 credit hours at the 3000-level and above, including 6 credit hours at the 4000-level
- One of the following:
 - BTS-1110 Biblical Literature and Themes
 - BTS-1120 Encountering the Bible

BTS-1130 Introducing Jesus: An Overview of the Christian Bible

One of the following:

- BTS-2000 Introduction to Christianity
- BTS-2420 Introduction to Christian Spirituality
- BTS/HIST-2550 History of Christianity
- BTS-2720 Theologies of the Global South
- BTS-2740 Christianity and Art
- BTS-2750 Introduction to Christian Ethics

Bible—12 credit hours, including 6 credit hours in each of Old and New Testament

Theology—6 credit hours

History of Christianity—6 credit hours

Practical Theology—6 credit hours

Biblical and Theological Studies electives—12 credit hours

Minor Requirement:

A minor as defined under any other subject field in this calendar

General electives:

As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of applied music, music ensemble, and theatre ensemble, and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in one of BTS-1110, 1120, or 1130, and one of: BTS-2000, 2420, 2550, 2720 or 2750, to declare a major in this field.
6. Students may include up to twelve credit hours within the electives of the major from the following list:
 - HIST-2080 Mennonites in Europe
 - HIST-3100 Religion in Canadian History
 - LANG-2320 Elementary Biblical Hebrew II
 - RLGN-1700 Religious Traditions of the World I
 - RLGN-1710 Religious Traditions of the World II

2.3. Biblical and Theological Studies Major, Three-year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 18 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 30 credit hours, maximum of 39 credit Hours
- A minimum of 12 credit hours at the 3000-level and above
- One of the following:
 - BTS-1110 Biblical Literature and Themes
 - BTS-1120 Encountering the Bible
 - BTS-1130 Introducing Jesus: An Overview of the Christian Bible
- One of the following:
 - BTS-2000 Introduction to Christianity
 - BTS-2420 Introduction to Christian Spirituality
 - BTS/HIST-2550 History of Christianity
 - BTS-2720 Theologies of the Global South
 - BTS-2740 Christianity and Art
 - BTS-2750 Introduction to Christian Ethics
- Bible—6 credit hours, including a course in each of Old and New Testament
- History of Christianity, Practical Theology, and Theology—12 credit hours with a minimum of 3 credit hours in each sub-field
- Biblical and Theological Studies electives—6 credit hours

Minor Requirement:

A minor as defined under any other subject field in this calendar

General electives:

As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in one of BTS-1110, 1120, or 1130, and one of: BTS-2000, 2420, 2550, 2720 or 2750, to declare a major in this field.
6. Students may include up to six credit hours within the electives of the major from the following list:
 - HIST-2080 Mennonites in Europe
 - HIST-3100 Religion in Canadian History
 - LANG-2320 Elementary Biblical Hebrew II
 - RLGN-1700 Religious Traditions of the World I
 - RLGN-1710 Religious Traditions of the World II

2.4. Biblical and Theological Studies Minor, B.A. (Three- or Four-Year)

Requirements:

- A minimum of 18 credit hours
- A minimum of 12 credit hours in residence
- One of the following:
 - BTS-1110 Biblical Literature and Themes
 - BTS-1120 Encountering the Bible
 - BTS-1130 Introducing Jesus: An Overview of the Christian Bible
- One of the following:
 - BTS-2000 Introduction to Christianity
 - BTS-2420 Introduction to Christian Spirituality
 - BTS/HIST-2550 History of Christianity
 - BTS-2720 Theologies of the Global South
 - BTS-2740 Christianity and Art
 - BTS-2750 Introduction to Christian Ethics
- Twelve credit hours of electives in Biblical and Theological Studies

3. Programs in Biology

Program Chair: Tim Rogalsky, PhD

The four-year Bachelor of Science with a major in biology provides students with a breadth and depth of knowledge in biology that spans multiple scales, from molecules to ecosystems. The CMU biology major is distinctive in that it also includes substantial coursework in the physical sciences and mathematics. This integrative approach to science provides cross-disciplinary knowledge and skills that are necessary to understand and practice biology in the 21st century. In addition, students have the opportunity to take summer field courses and courses off-campus to complete their degree, which will broaden the scope of their program and also allow them to focus on subdisciplines of interest.

As with other CMU degrees, students will take a variety of core electives in biblical and theological studies, social sciences, and humanities, to help them to think broadly, critically, and creatively about the living world as it relates to complex social, economic, and theological issues. The biology major provides a foundation for many career paths in the life sciences and beyond, or further study in diverse postgraduate and professional programs.

3.1. Bachelor of Science

3.1.1. Biology Major, B.Sc. (Four-year)

Admission Requirements

Track 1- Direct from High School

Must meet CMU's regular admission requirements, plus a minimum grade of 70% in three of the following grade 12 subjects: biology, chemistry, pre-calculus mathematics, physics.

Track 2 – 30 credit hours of university with a minimum GPA of 2.5(C+), including a minimum GPA of 2.5(C+) in BIOL-1010 and 1020.

Graduation Requirements:

120 credit hours fulfilling the program requirements as specified below

A minimum grade point average of 2.0 ("C") in the courses presented for the major

A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program

9 credit hours of the Ways of Knowing II and Theology requirements

39 credit hours of the science requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I

Theology—6 credit hours

Humanities—3 credit hours

Social Science—3 credit hours

Science—6 credit hours

Practicum—6 credit hours

Anabaptist—3 credit hours

Indigenous—3 credit hours

Making—3 credit hours

Ways of Knowing II—6 credit hours

Academic writing requirement

Science Requirements:

Minimum of 72 credit hours

45 credit hours of Biology:

BIOL-1010 The Evolutionary and Ecological Revolution

BIOL-1020 The Genetic Revolution

BIOL-1310 Cells and Energy

BIOL-1320 Diversity of Life

BIOL-2100 Genetics of Eukaryotes and Bacteria

BIOL-2300 Cell Biology

BIOL-2510 Principles of Ecology

BIOL-4990 Senior Seminar in Evolution

3 credit hours of interdisciplinary biology

6 credit hours of Organismal Biology or Physiology

12 credit hours of biology at the 3000-level or higher

12 credit hours of Chemistry:

CHEM-1010 Structure/Modelling in Chemistry

CHEM-1020 Physical Chemistry

CHEM-2010 Organic Chemistry I

CHEM-2110 Biochemistry I: Biomolecules and Metabolic Energy

9 credit hours of Mathematics:

MATH-1000 Basic Statistical Analysis

MATH-1020 Introduction to Calculus

MATH-1030 Calculus II

6 credit hours of Physics:

PHYS-1010 Physics I: Mechanics of Movement

PHYS-1020 Physics II: Oscillations and Waves

General Electives:

As required to reach a total of 120 credit hours.

Degree Regulations:

1. A course may not be used to satisfy requirements of two areas of the common curriculum. A course may simultaneously fulfill a requirement for an area in the common curriculum and a science requirement.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music,

music ensemble, theatre ensemble, peace skills), and a maximum of nine credit hours of practicum.

4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in 18 credit hours of introductory Science courses to continue in the program.

3.1.2. General Major, B.Sc. (Three-year)

Admission Requirements

Track 1- Direct from High School

Must meet CMU’s regular admission requirements, plus a minimum grade of 70% in three of the following grade 12 subjects: biology, chemistry, pre-calculus mathematics, physics.

Track 2 – Advanced Entry

30 credit hours of university with a minimum GPA of 2.5(C+), including a minimum GPA of 2.5 (C+) in 12 credit hours of science courses, excluding BIOL-1350, 1360, and 1370.

Graduation Requirements:

90 credit hours fulfilling the program requirements as specified below

A minimum grade point average of 2.0 (“C”) in the courses presented for the major

A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 (“C”) in 90 credit hours

Residency Requirements:

30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program

9 credit hours of the Ways of Knowing II and Theology requirements

30 credit hours of the science requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I

Theology—6 credit hours

Humanities—3 credit hours

Social Science—3 credit hours

Science—6 credit hours

Practicum—6 credit hours

Anabaptist—3 credit hours

Indigenous—3 credit hours

Making—3 credit hours

Ways of Knowing II—6 credit hours

Academic writing requirement

Science Requirements:

Minimum of 42 credit hours

Minimum of 6 credit hours from three of four subject fields: Biology, Chemistry, Mathematics, and Physics, from the following:

BIOL-1010 The Evolutionary and Ecological Revolution

BIOL-1020 The Genetic Revolution

BIOL-1310 Cells and Energy

BIOL-1320 Diversity of Life

CHEM-1010 Structure and Modelling in Chemistry

CHEM-1020 Physical Chemistry

MATH-1000 Basic Statistical Analysis

MATH-1020 Introduction to Calculus

MATH-1030 Calculus II

Math-1040 Elements of Discrete Mathematics or

MATH-2000 Discrete Mathematics

PHYS-1010 Physics I: Mechanics of Movement

PHYS-1020 Physics II: Oscillations and Waves

Minimum 24 credit hours of Biology (excluding BIOL-

1350, 1360, 1361, 1370, 1371), Chemistry,

Mathematics, and Physics, including 18 credit hours

at the 2000-level or above, and 6 credit hours at the 3000-level or above.

General Electives:

As required to reach a total of 90 credit hours.

Degree Regulations:

1. A course may not be used to satisfy requirements of two areas of the common curriculum. A course may simultaneously fulfill a requirement for an area in the common curriculum and a science requirement.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in 18 credit hours of introductory Science courses to continue in the program.

3.2. Biology, Minor within the Bachelor of Arts

Requirements:

- A minimum of 18 credit hours
- A minimum of 12 credit hours in residence
- BIOL-1010 The Evolutionary and Ecological Revolution
- BIOL-1020 The Genetic Revolution
- BIOL-1310 Cells and Energy
- BIOL-1320 Diversity of Life
- Plus a minimum of 6 credit hours in Biology courses at the 2000-level or above.

4. Programs in Business and Organizational Administration

Program Director: Craig Martin, PhD

Through studies in Business and Organizational Administration, students prepare for future work and service in business, church, and not-for-profit organizations. At CMU students gain managerial and leadership skills and hone their entrepreneurial vision in a setting where a Christian worldview shapes how they understand the world and how they order their practices in the world.

Professors invite students to embrace a vision of hopeful transformation, reconciliation, and peace—a vision characterized by sustainability and wellbeing for shareholders, employees, customers, suppliers, environment, and community.

4.1 Bachelor of Business Administration

4.1.1. Bachelor of Business Administration

Admission Requirements

- CMU's regular admission requirements, except that High School credits must include a credit in pre-calculus math.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the requirements in Business and Organizational Administration

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours

Ways of Knowing II—6 credit hours
Academic writing requirement

Required Courses for Business and Organizational Administration—60 credit hours

BUSI-1000 Introduction to Business and Organizational Administration
ECON-1000 Introduction to Macro-economics
ECON-1010 Introduction to Micro-economics
MATH-1000 Basic Statistical Analysis
MATH-1020 Introduction to Calculus
BUSI-2000 Introductory Financial Accounting
BUSI-2010 Introductory Managerial Accounting
BUSI/PSYC-2020 Organizational Behaviour
BUSI-2030 Management and Organizational Theory
BUSI/POLS-2040 Business and Labour Law
BUSI-2050 Fundamentals of Marketing
BUSI/COMM-2080 Business and Organizational Communications
BUSI/COMP-3050 Management Information Systems
BUSI-3060 Operations Management
BUSI-3100 Financial Management
BUSI-3200 Human Resource Management
BUSI-4000 Christianity and the Marketplace
BUSI-4010 Strategic Management
BUSI-4020 Business and Organizational Policy
PHIL-2070 Business Ethics

Three credit hours from each of the following two groups:

Group 1
BTS-2230 Biblical Perspectives on Peace and Justice
BTS-2250 Creation, Ecology, and the Bible
BTS-2750 Introduction to Christian Ethics
BTS-2800 Theology of Peace and Justice
Group 2
BTS-3110 Prophets of Israel
BTS-3240 New Testament Economics
BTS-3450 Theologies of Power

Major Requirements:

A minimum of 24 credit hours, completing one of the following four majors:

1. Business Management

BUSI-3400 Entrepreneurship and Small Business Management
BUSI-3500 International Business
COMM-3030 Public Relations
BUSI/PSYC-3000 Organizational Leadership
Additional 12 credit hours of restricted electives*

2. Not-for-Profit Management

BUSI-3300 Not-for-Profit Management
COMM-3030 Public Relations
IDS/PCTS-2000 The Project Cycle
IDS/PCTS-4920 Program Planning in Development and Conflict Resolution
BUSI/PSYC-3000 Organizational Leadership

Additional 9 credit hours restricted electives*

3. Accounting

BUSI-3010 Intermediate Accounting: Assets
BUSI-3020 Intermediate Accounting: Liabilities and Equities
BUSI/MATH-3040 Quantitative Methods in Business and Organizational Administration
The following four courses (12 credit hours) to be completed as a visiting student at another university:
BUSI-3070 Taxation
BUSI-3080 Intermediate Management Accounting
BUSI-4070 Advanced Financial Accounting
BUSI-4090 Audit and Control
Additional 3 credit hours restricted electives*

4. Human Resource Management

COMM-3030 Public Relations
PCTS-2252 Conflict and Communication
PCTS-2431 Negotiation Theory and Practice
PCTS-3240 Workplace Conflict
BUSI/PSYC-3000 Organizational Leadership
Additional 9 credit hours of restricted electives*

5. Social Entrepreneurship

BUSI/POLS-2500 Social Entrepreneurship
BUSI-3300 Not-for-Profit Management
BUSI-3400 Entrepreneurship and Small Business Management
COMM-3030 Public Relations
ECON/IDS/POLS-2420 Economics of Social Change
Additional 9 credit hours of restricted electives*

Notes:

*The restricted electives are as follow:

BUSI/POLS-2500 Social Entrepreneurship
BUSI-3010 Intermediate Accounting: Assets
BUSI-3020 Intermediate Accounting: Liabilities and Equities
BUSI/MATH-3040 Quantitative Methods in Business and Organizational Administration
BUSI-3300 Not-for-Profit Management
BUSI-3400 Entrepreneurship and Small Business Management
BUSI-3500 International Business
BUSI/IDS-4030 International Microfinance
BUSI/IDS-4040 Economic Development and Microfinance Study Tour
BUSI/POLS-4050 Business in the European Union
BUSI-4060 Business in Europe Study Tour
COMM-2020 Oral Communication
COMM-3020 Group Communication and Creative Process
COMM-3030 Public Relations
ECON/IDS/POLS-2420 Economics of Social Change
ENVS/PCTS-2620 Ecological Peacebuilding

ENVS/IDS/GEOG-3010 Environment, Society, and Resilience
 IDS/PCTS-2000 The Project Cycle
 IDS-2110 Participatory Local Development
 IDS/PCTS-4920 Program Planning in Development and Conflict Resolution
 PCTS-2252 Conflict and Communication
 PCTS-2431 Negotiation Theory and Practice
 PCTS-3100 Models of Peace and Conflict Transformation
 PCTS-3120 Cultures of Violence, Cultures of Peace
 PCTS-3240 Workplace Conflict
 PCTS-4240 Workplace Conflict Resolution Systems Design
 BUSI/PSYC-3000 Organizational Leadership

Additional restricted electives available at the University of Manitoba, The University of Winnipeg, or another university:

BUSI-3070 Taxation
 BUSI-3080 Intermediate Management Accounting
 BUSI-4070 Advanced Financial Accounting
 BUSI-4080 Advanced Managerial Accounting
 BUSI-4090 Audit and Control

Degree Regulations:

A course may not be used to satisfy requirements for two areas of the common curriculum at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for a requirement in Business and Organizational Administration.

4.1.2. Bachelor of Business Administration, Co-operative

Admission Requirements

Track I—Direct from High School

Average of 85% over three highest Grade 12 academic courses

High School credits must include a credit in pre-calculus math

Successful application and interview, completed during semester before first co-operative semester

Track II—30 credit hours of university with a minimum GPA of 2.5, including four restricted electives in Business and Organizational Administration with a minimum grade of “B” in each. Student must have completed a course in pre-calculus math.

Successful application and interview, completed during semester before first co-op term

Graduation Requirements:

120 credit hours fulfilling the program requirements as specified below

A minimum grade point average of 3.0 over courses presented towards the requirements for Business and Organizational Administration

A passing grade in all courses presented for graduation and a minimum grade point average of 2.5 (C+) in 120 credit hours

Residency Requirements:

60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program

9 credit hours of the Ways of Knowing II and Theology requirements

30 credit hours of the requirements in Business and Organizational Administration

4 co-op terms

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I

Theology—6 credit hours

Humanities—3 credit hours

Social Science—3 credit hours

Science—6 credit hours

Practicum—6 credit hours

Anabaptist—3 credit hours

Indigenous—3 credit hours

Making—3 credit hours

Ways of Knowing II—6 credit hours

Academic writing requirement

Required Courses for Business and Organizational Administration—60 credit hours

BUSI-1000 Introduction to Business and Organizational Administration

ECON-1000 Introduction to Macro-economics

ECON-1010 Introduction to Micro-economics

MATH-1000 Basic Statistical Analysis

MATH-1020 Introduction to Calculus

BUSI-2000 Introductory Financial Accounting

BUSI-2010 Introductory Managerial Accounting

BUSI/PSYC-2020 Organizational Behaviour

BUSI-2030 Management and Organizational Theory

BUSI/POLS-2040 Business and Labour Law

BUSI-2050 Fundamentals of Marketing

BUSI/COMM-2080 Business and Organizational Communications

BUSI/COMP-3050 Management Information Systems

BUSI-3060 Operations Management

BUSI-3100 Financial Management

BUSI-3200 Human Resource Management

BUSI-4000 Christianity and the Marketplace

BUSI-4010 Strategic Management

BUSI-4020 Business and Organizational Policy

PHIL-2070 Business Ethics

Three credit hours from each of the following two groups:

Group 1

BTS-2230 Biblical Perspectives on Peace and Justice

BTS-2250 Creation, Ecology, and the Bible

BTS-2750 Introduction to Christian Ethics
 BTS-2800 Theology of Peace and Justice
 Group 2
 BTS-3110 Prophets of Israel
 BTS-3240 New Testament Economics
 BTS-3450 Theologies of Power

ECON/IDS/POLS-2420 Economics of Social
 Change
 Additional 9 credit hours of restricted electives*

Major Requirements:

A minimum of 24 credit hours, completing one of the following four majors:

1. Business Management

BUSI-3400 Entrepreneurship and Small Business
 Management
 BUSI-3500 International Business
 COMM-3030 Public Relations
 BUSI/PSYC-3000 Organizational Leadership
 Additional 12 credit hours of restricted electives*

2. Not-for-Profit Management

BUSI-3300 Not-for-Profit Management
 COMM-3030 Public Relations
 IDS/PCTS-2000 The Project Cycle
 IDS/PCTS-4920 Program Planning in
 Development and Conflict Resolution
 BUSI/PSYC-3000 Organizational Leadership
 Additional 9 credit hours restricted electives*

3. Accounting

BUSI-3010 Intermediate Accounting: Assets
 BUSI-3020 Intermediate Accounting: Liabilities
 and Equities
 BUSI/MATH-3040 Quantitative Methods in
 Business and Organizational Administration
 The following four courses (12 credit hours) to be
 completed as a visiting student at another
 university:
 BUSI-3070 Taxation
 BUSI-3080 Intermediate Management
 Accounting
 BUSI-4070 Advanced Financial Accounting
 BUSI-4090 Audit and Control
 Additional 3 credit hours restricted electives*

4. Human Resource Management

COMM-3030 Public Relations
 PCTS-2252 Conflict and Communication
 PCTS-2431 Negotiation Theory and Practice
 PCTS-3240 Workplace Conflict
 BUSI/PSYC-3000 Organizational Leadership
 Additional 9 credit hours of restricted electives*

5. Social Entrepreneurship

BUSI/POLS-2500 Social Entrepreneurship
 BUSI-3300 Not-for-Profit Management
 BUSI-3400 Entrepreneurship and Small Business
 Management
 COMM-3030 Public Relations

Co-operative Requirement—A total of six co-operative
 terms of four months each.

BUSI-1750 Business Co-op Term 1
 BUSI-2750 Business Co-op Term 2
 BUSI-3750 Business Co-op Term 3
 BUSI-3760 Business Co-op Term 4
 BUSI-4750 Business Co-op Term 5
 BUSI-4760 Business Co-op Term 6

Notes:

*The restricted electives are as follows:

BUSI/POLS-2500 Social Entrepreneurship
 BUSI-3010 Intermediate Accounting: Assets
 BUSI-3020 Intermediate Accounting: Liabilities and
 Equities
 BUSI/MATH-3040 Quantitative Methods in Business
 and Organizational Administration
 BUSI-3300 Not-for-Profit Management
 BUSI-3400 Entrepreneurship and Small Business
 Management
 BUSI-3500 International Business
 BUSI/IDS-4030 International Microfinance
 BUSI/IDS-4040 Economic Development and
 Microfinance Study Tour
 BUSI/POLS-4050 Business in the European Union
 BUSI-4060 Business in Europe Study Tour
 COMM-2020 Oral Communication
 COMM-3020 Group Communication and Creative
 Process
 COMM-3030 Public Relations
 ECON/IDS/POLS-2420 Economics of Social Change
 ENVS/PCTS-2620 Ecological Peacebuilding
 ENVS/IDS/GEOG-3010 Environment, Society, and
 Resilience
 IDS/PCTS-2000 The Project Cycle
 IDS-2110 Participatory Local Development
 IDS/PCTS-4920 Program Planning in Development
 and Conflict Resolution
 PCTS-2252 Conflict and Communication
 PCTS-2431 Negotiation Theory and Practice
 PCTS-3100 Models of Peace and Conflict
 Transformation
 PCTS-3120 Cultures of Violence, Cultures of Peace
 PCTS-3240 Workplace Conflict
 PCTS-4240 Workplace Conflict Resolution Systems
 Design
 BUSI/PSYC-3000 Organizational Leadership

Additional restricted electives available at the University
 of Manitoba, The University of Winnipeg, or another
 university:

BUSI-3070 Taxation
 BUSI-3080 Intermediate Management Accounting
 BUSI-4080 Advanced Managerial Accounting
 BUSI-4070 Advanced Financial Accounting
 BUSI-4090 Audit and Control

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for a requirement in Business and Organizational Administration.
2. To remain eligible to continue in this program, students must achieve a minimum grade point average of 3.0 over courses completed to meet the requirements in Business and Organizational Administration.

4.2. Business and Organizational Administration, Majors and Minor within the Bachelor of Arts

Program Director: Craig Martin, PhD

4.2.1. Business and Organizational Administration Major, Four-year B.A.

Admission Requirements

CMU's regular admission requirements, except that High School credits must include a credit in either pre-calculus math or applied math.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

A minimum of 48 credit hours

Required Business Courses—21 credit hours

- BUSI-1000 Introduction to Business and Organizational Administration
- BUSI-2000 Introductory Financial Accounting
- BUSI-2010 Introductory Managerial Accounting
- BUSI/PSYC-2020 Organizational Behaviour
- BUSI-2030 Management and Organizational Theory
- BUSI-2050 Fundamentals of Marketing
- BUSI-3100 Financial Management

Restricted Business Electives—12 credit hours from the following:

- BUSI/POLS-2500 Social Entrepreneurship
- BUSI/PSYC-3000 Organizational Leadership
- BUSI-3010 Intermediate Accounting: Assets
- BUSI-3020 Intermediate Accounting: Liabilities and Equities
- BUSI-3060 Operations Management
- BUSI/MATH-3040 Quantitative Methods in Business and Organizational Administration
- BUSI/COMP-3050 Management Information Systems
- BUSI-3200 Human Resource Management
- BUSI-3300 Not-for-Profit Management
- BUSI-3400 Entrepreneurship and Small Business Management
- BUSI-4000 Christianity and the Marketplace
- BUSI-4010 Strategic Management
- BUSI-4020 Business and Organizational Policy
- BUSI/IDS-4030 International Microfinance
- BUSI/IDS-4040 Economic Development and Microfinance Study Tour
- BUSI/POLS-4050 Business in the European Union
- BUSI-4060 Business in Europe Study Tour
- COMM-3030 Public Relations
- ECON/IDS/POLS-2420 Economics of Social Change
- IDS/PCTS-2000 The Project Cycle
- IDS/PCTS-4920 Program Planning in Development and Conflict Resolution
- PHIL-2070 Business Ethics

Policy, Law and Government—6 credit hours from the following

- BUSI/POLS-2040 Business and Labour Law
- BUSI-3500 International Business
- POLS-2200 Human Rights and Dignity
- POLS-2400 Comparative Politics of Development: Africa
- POLS/SOCI/PHIL-2600 Social and Political Philosophy

Electives—an additional 6 credit hours drawn from the lists above

Area Courses—3 credit hours from the following:

- BUSI/COMM-2080 Business Communications
- PCTS-2431 Negotiation Theory and Practice
- PCTS-3240 Workplace Conflict
- PCTS-2252 Conflict and Communications
- SOCI-2020 Communities and Organizations

Ancillary Courses

- ECON-1000 Introduction to Macro-economics
 - ECON-1010 Introduction to Micro-economics
 - MATH-1000 Basic Statistical Analysis
- Six credit hours from the following:
- BTS-2230 Biblical Perspectives on Peace and Justice
 - BTS-2250 Creation, Ecology, and the Bible
 - BTS-2750 Introduction to Christian Ethics
 - BTS-2800 Theology of Peace and Justice
 - BTS-3110 Prophets of Israel
 - BTS-3240 New Testament Economics
 - BTS-3450 Theologies of Power

General electives: As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in BUSI-1000 and one of ECON-1000, ECON-1010, MATH-1000, or MATH-1020 to declare a major in this field.

Additional notes regarding the major:

1. Students with weak skills in computer applications should include, as a general elective, COMP-1010 Computer Applications and Concepts.
2. Students who choose this major must complete a practicum relevant to Business and Organizational Administration.

4.2.2. Business and Organizational Administration Major, Three-year B.A.

Admission Requirements

CMU’s regular admission requirements, except that High School credits must include a credit in either pre-calculus math or applied math.

Graduation Requirements:

90 credit hours fulfilling the program requirements as specified below
 A minimum grade point average of 2.0 (“C”) in the courses presented for the major
 A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 (“C”) in 90 credit hours

Residency Requirements:

30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
 9 credit hours of the Ways of Knowing II and Theology requirements
 24 credit hours of the major requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I
 Theology—6 credit hours
 Humanities—3 credit hours
 Social Science—3 credit hours
 Science—6 credit hours
 Practicum—6 credit hours
 Anabaptist—3 credit hours
 Indigenous—3 credit hours
 Making—3 credit hours
 Ways of Knowing II—6 credit hours
 Academic writing requirement

Major Requirements:

A minimum of 36 credit hours
 Required Business Courses—18 credit hours
 BUSI-1000 Introduction to Business and Organizational Administration
 BUSI-2000 Introductory Financial Accounting
 BUSI-2010 Introductory Managerial Accounting
 BUSI-3100 Financial Management
 Six credit hours from the following:
 BUSI/PSYC-2020 Organizational Behaviour
 BUSI-2030 Management and Organizational Theory
 BUSI-2050 Fundamentals of Marketing

Restricted Business Electives—9 credit hours from the following:

- BUSI/POLS-2500 Social Entrepreneurship
- BUSI/PSYC-3000 Organizational Leadership
- BUSI-3010 Intermediate Accounting: Assets
- BUSI-3020 Intermediate Accounting: Liabilities and Equities

BUSI-3060 Operations Management
 BUSI/MATH-3040 Quantitative Methods in
 Business and Organizational Administration
 BUSI/COMP-3050 Management Information
 Systems
 BUSI-3200 Human Resource Management
 BUSI-3300 Not-for-Profit Management
 BUSI-3400 Entrepreneurship and Small Business
 Management
 BUSI-4000 Christianity and the Marketplace
 BUSI-4010 Strategic Management
 BUSI-4020 Business and Organizational Policy
 BUSI/IDS-4030 International Microfinance
 BUSI/IDS-4040 Economic Development and
 Microfinance Study Tour
 BUSI/POLS-4050 Business in the European Union
 BUSI-4060 Business in Europe Study Tour
 COMM-3030 Public Relations
 ECON/IDS/POLS-2420 Economics of Social
 Change
 IDS/PCTS-2000 The Project Cycle
 IDS/PCTS-4920 Program Planning in Development
 and Conflict Resolution
 PHIL-2070 Business Ethics

Policy, Law and Government—3 credit hours from the
 following:

BUSI/POLS-2040 Business and Labour Law
 BUSI-3500 International Business
 POLS-2200 Human Rights and Dignity
 POLS-2400 Comparative Politics of Development:
 Africa
 POLS/SOCI/PHIL-2600 Social and Political
 Philosophy

Business electives—an additional 3 credit hours
 drawn from the lists above

Area Courses—3 credit hours from the following:

BUSI/COMM-2080 Business Communications
 PCTS-2431 Negotiation Theory and Practice
 PCTS-3240 Workplace Conflict
 PCTS-2252 Conflict and Communications
 SOCI-2020 Communities and Organizations

Ancillary Courses

ECON-1000 Introduction to Macro-economics
 ECON-1010 Introduction to Micro-economics
 MATH-1000 Basic Statistical Analysis

Three credit hours from the following:

BTS-2230 Biblical Perspectives on Peace and
 Justice
 BTS-2250 Creation, Ecology, and the Bible
 BTS-2750 Introduction to Christian Ethics
 BTS-2800 Theology of Peace and Justice
 BTS-3110 Prophets of Israel
 BTS-3240 New Testament Economics
 BTS-3450 Theologies of Power

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in BUSI-1000 and one of ECON-1000, ECON-1010, MATH-1000, or MATH-1020 to declare a major in this field.

Additional notes regarding the major:

1. Students with weak skills in computer applications should include, as a general elective, COMP-1010 Computer Applications and Concepts.
2. Students who choose this major must complete a practicum relevant to Business and Organizational Administration.

4.2.3. Business and Organizational Administration Minor, Four- and Three-year B.A.

Requirements:

A minimum of 18 credit hours
 A minimum of 12 credit hours in residence
 BUSI-1000 Introduction to Business
 BUSI-2000 Introductory Financial Accounting

Six credit hours from the following:

BUSI-2010 Introductory Managerial Accounting
 BUSI/PSYC-2020 Organizational Behaviour
 BUSI-2030 Management and Organizational
 Theory

BUSI-2050 Fundamentals of Marketing
 BUSI/POLS-2500 Social Entrepreneurship

Three credit hours from the following:

BUSI/PSYC-3000 Organizational Leadership
 BUSI-3100 Financial Management
 BUSI-3200 Human Resource Management
 BUSI-3300 Not-for-Profit Management
 BUSI-3400 Entrepreneurship and Small Business
 Management

BUSI-3500 International Business

Three credit hours from the following:

COMM-1000 Introduction to Communications
 and Media
 ECON-1000 Introduction to Macro-economics
 ECON-1010 Introduction to Micro-economics
 ECON/IDS/POLS-2420 Economics of Social
 Change
 IDS/PCTS-2000 The Project Cycle
 IDS/PCTS-4920 Program Planning in Development
 and Conflict Resolution
 MATH-1000 Basic Statistical Analysis
 PCTS-2252 Conflict and Communication
 PCTS-2431 Negotiation Theory and Practice
 PCTS-3240 Workplace Conflict
 PSYC-2100 Social Cognition and Influence
 PSYC-2110 Social Relationships and Behaviour
 PSYC/SOCI-2700 Interpersonal Communication
 SOCI-2020 Communities and Organizations

5. Christian Ministry, Major within the Bachelor of Arts

**Program Co-Chairs: Sunder John Boopalan, PhD and
Chris Huebner, PhD**

5.1. Christian Ministry Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 48 credit hours, maximum of 54 credit hours
- A minimum of 24 credit hours at the 3000-level and above, including 6 credit hours at the 4000-level
- One of the following:
 - BTS-1110 Biblical Literature and Themes
 - BTS-1120 Encountering the Bible
 - BTS-1130 Introducing Jesus: An overview of the Christian Bible
- One of the following:
 - BTS-2000 Introduction to Christianity
 - BTS-2420 Exploring Christian Spirituality
 - BTS/HIST-2550 History of Christianity
 - BTS-2720 Theologies of the Global South
 - BTS-2740 Christianity and Art
 - BTS-2750 Introduction to Christian Ethics
- Bible—12 credit hours, including 6 credit hours in each of Old and New Testament

Theology—6 credit hours
History of Christianity—6 credit hours
Ministry Studies – 12 credit hours from the following:
 BTS-3340 Ministry Seminar
 9 credit hours of practical theology courses
Biblical and Theological Studies electives—6 credit hours
Completion of the Ministry Quest Retreat – 0 credit hours

Minor Requirement:

A minor as defined under any other subject field in this calendar

General electives:

As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in one of BTS-1110, 1120, or 1130, and one of: BTS-2000, 2420, 2550, 2720 or 2750, to declare a major in this field.
6. Students may include up to twelve credit hours within the electives of the major from the following list:
 HIST-2080 Mennonites in Europe
 HIST-3100 Religion in Canadian History
 LANG-2320 Elementary Biblical Hebrew II
 RLGN-1700 Religious Traditions of the World I
 RLGN-1710 Religious Traditions of the World II

Communications and Media, Majors and Minor within the Bachelor of Arts

Program Chair: David Balzer, MA

Through studies in Communications and Media at CMU, students enhance their human communication skills, expand their capacity to evaluate and produce stories, and engage in experiential learning with industry leaders. Students expand their creative potential, using faith-shaped thinking to examine the ways society tells stories and communicates values. At CMU, students gain the advantage of strategic industry partnerships as stepping stones into future employment through course-level projects and intensive practicum placements. Communications and Media programs at CMU prepare students for lives of work and service as creative communicators in non-profit organizations, media industries, church, and business.

6.1. Communications and Media Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 (“C”) in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 (“C”) in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 48 credit hours
- A minimum of 12 credit hours at the 3000 level or above
- COMM-1000 Introduction to Communications and Media
- COMM-1015 Media Skills: Introduction to Digital Production
- COMM -2020 Oral Communication
- COMM-2060 Journalism: Principles and Practice OR ENGL-2400 Creative Writing: Non-Fiction
- COMM-3010 Theories of Communication in Everyday Life
- 12 credit hours of courses with a 'COMM' prefix (excluding media skills)
- 9 credit hours of Area Courses (see additional notes regarding the major)
- 12 credit hours of electives drawn from 'COMM' courses, area courses, or media skills courses. A maximum of 6 credit hours of media skills credits can be included in the electives.

General Electives

As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills does not exceed twenty-one credit hours.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in six credit hours of Communications and Media, including COMM 1000 and either COMM-2020 or COMM-2060 in order to declare a major in this field.

Additional notes regarding the major:

1. Students who choose this major must complete a practicum relevant to communications and media.

2. Media skills courses have a particular emphasis on technical production and performative skills. Eligible courses include:
 - COMM-X015 Media Skills (3.0 credit hours)
 - COMM-X115 Media Skills (1.0 credit hour)
 - COMM-X116 Media Skills (2.0 credit hours)
 - COMM-2117 Media Skills: Live Audio and Videostreaming
 - COMM-2118 Media Skills: Radio Team
 - ENGL-X532 Theatre Workshop
 - MUSC-X160 Opera/Musical Theatre Workshop
 - MUSC/COMM-3010 Music Production
 3. Area courses are rooted in traditional disciplines as well as other interdisciplinary programs. They address issues that are directly relevant to studies in Communications and Media. Students may find their specific interests in Communications and Media reflected in courses not included among the area courses listed below. Students may apply to the Program Chair for the consideration of such courses as area courses for their programs. It is the student's responsibility to identify and fulfill any Prerequisite required for area courses.
 - BTS-2940 Film, Faith, and Popular Culture
 - BTS-4400 The Art of Preaching
 - BUSI/COMP-3050 Management Information Systems
 - BUSI/PSYC-2020 Organizational Behaviour
 - BUSI-2050 Fundamentals of Marketing
 - COMP-2010 Computer Implications: Social and Ethical
 - ENGL-1040 English Literature: Narrative Film
 - ENGL-1510 Introduction to Theatre
 - ENGL-2450 The Digital Word
 - ENGL-3000 History of the Book
 - ENGL-3430 Literary Non-Fiction
 - HIST-2510 History of Art and Culture I: Classical to Late Medieval
 - HIST-2520 History of Art and Culture II: Renaissance to the present
 - PCTS-2252 Conflict and Communication
 - PSYC/SOCI-2700 Interpersonal Communication
 - PSYC/SOCI-4030 Qualitative Inquiry in the Social Sciences
 - SOCI/PHIL-3100 Ethical Living in a Technological Society
 - SOCI-2030 Inter-cultural Theory and Practice
- Select topics courses that vary from year to year

6.2. Communications and Media Major, Three-year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 (“C”) in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 (“C”) in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 24 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 36 credit hours
- COMM-1000 Introduction to Communications and Media
- COMM-1015 Media Skills: Introduction to Digital Production
- COMM -2020 Oral Communication
- COMM-2060 Journalism: Principles and Practice OR ENGL-2400 Creative Writing: Non-Fiction
- COMM-3010 Theories of Communication in Everyday Life
- 12 credit hours of courses with a ‘COMM’ prefix (excluding media skills)
- 6 credit hours of Area Courses (see additional notes regarding the major)
- 3 credit hours of electives drawn from ‘COMM’ courses, area courses, or media skills courses.

General Electives

- As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same

time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.

2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills do not exceed eighteen credit hours.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in six credit hours of Communications and Media, including COMM-1000 and either COMM-2020 or COMM-2060 in order to declare a major in this field.

Additional notes regarding the major:

1. Students who choose this major must complete a practicum relevant to communications and media.
2. Media skills courses have a particular emphasis on technical production and performative skills. Eligible courses include:
 - COMM-X015 Media Skills (3.0 credit hours)
 - COMM-X115 Media Skills (1.0 credit hour)
 - COMM-X116 Media Skills (2.0 credit hours)
 - COMM-2117 Media Skills: Live Audio and Videostreaming
 - COMM-2118 Media Skills: Radio Team
 - ENGL-X532 Theatre Workshop
 - MUSC-X160 Opera/Musical Theatre Workshop
 - MUSC/COMM-3010 Music Production
3. Area courses are rooted in traditional disciplines as well as other interdisciplinary programs. They address issues that are directly relevant to studies in Communications and Media. Students may find their specific interests in Communications and Media reflected in courses not included among the area courses listed below. Students may apply to the Program Chair for the consideration of such courses as area courses for their programs. It is the student’s responsibility to identify and fulfill any Prerequisite required for area courses.
 - BTS-2940 Film, Faith, and Popular Culture
 - BTS-4400 The Art of Preaching
 - BUSI/COMP-3050 Management Information Systems
 - BUSI/PSYC-2020 Organizational Behaviour
 - BUSI-2050 Fundamentals of Marketing
 - COMP-2010 Computer Implications: Social and Ethical

ENGL-1040 English Literature: Narrative Film
 ENGL-1510 Introduction to Theatre
 ENGL-2450 The Digital Word
 ENGL-3000 History of the Book
 ENGL-3430 Literary Non-Fiction
 HIST-2510 History of Art and Culture I: Classical to
 Late Medieval
 HIST-2520 History of Art and Culture II: Renaissance
 to the present
 PCTS-2252 Conflict and Communication
 PSYC/SOCI-2700 Interpersonal Communication
 PSYC/SOCI-4030 Qualitative Inquiry in the Social
 Sciences
 SOCI/PHIL-3100 Ethical Living in a Technological
 Society
 SOCI-2030 Inter-cultural Theory and Practice
 Select topics courses that vary from year to year

6.3. Communications and Media Minor, Four-and Three-year B.A.

Requirements:

A minimum of 18 credit hours
 A minimum of 12 credit hours in residence
 COMM-1000 Introduction to Communications and Media
 15 credit hours with a 'COMM' prefix including a
 maximum of 3 credit hours in Media Skills.

7. Communications and English, Major within the Bachelor of Arts

Program Chairs: David Balzer, MA; Paul Dyck, PhD

7.1. Communications and English Major, four-year B.A.

Graduation Requirements:

120 credit hours fulfilling the program requirements
 as specified below
 A minimum grade point average of 2.0 ("C") in the
 courses presented for the major
 A passing grade in all courses presented for
 graduation and a minimum grade point average
 of 2.0 ("C") in 120 credit hours

Residency Requirements:

60 credit hours within the degree, including 12 credit
 hours of the last 30 credit hours in the degree
 program
 9 credit hours of the Ways of Knowing II and Theology
 requirements
 30 credit hours of the major requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I
 Theology—6 credit hours
 Humanities—3 credit hours
 Social Science—3 credit hours
 Science—6 credit hours
 Practicum—6 credit hours
 Anabaptist—3 credit hours
 Indigenous—3 credit hours
 Making—3 credit hours
 Ways of Knowing II—6 credit hours
 Academic writing requirement

Major Requirements:

A minimum of 60 credit hours
 COMM-1000 Introduction to Communications and
 Media
 COMM-1015 Media Skills: Introduction to Digital
 Production
 COMM-3010 Theories of Communication in Everyday
 Life
 Communications and Media Courses—minimum 15
 credit hours at the 2000-level and above. A
 maximum of 6 credit hours can be drawn from the
 Communications and Media Area Courses (see
 additional notes regarding the major)
 Minimum 6, maximum 9 credit hours from the
 following:
 ENGL-1010 English Literature: Prose Fiction
 ENGL-1020 English Literature: Poetry and Drama

ENGL-1030 Classical Literature: Homeric Gods and Heroes

ENGL-1040 English Literature: Narrative Film

ENGL-1050 English Literature Topics

Minimum 3 credit hours from the following:

ENGL-2400 Creative Writing: Non-Fiction

ENGL-2410 Creative Writing: Short Fiction

ENGL-2420 Creative Writing: Poetry

English Courses—15 credit hours, minimum 12 credit hours at the 2000-level and above.

Electives – 12 credit hours Communications and Media Studies or English

PCTS-2252 Conflict and Communication

PSYC/SOCI-2700 Interpersonal Communication

PSYC/SOCI-4030 Qualitative Inquiry in the Social Sciences

SOCI/PHIL-3100 Ethical Living in a Technological Society

SOCI-2030 Inter-cultural Theory and Practice

Select topics courses that vary from year to year

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills does not exceed twenty-one credit hours.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in COMM-1000 and "C" in 3 credit hours of 1000-level English.

Additional notes regarding the major:

1. Students who choose this major must complete a practicum relevant to communications and media or English.
2. Area courses from other subject fields may have Prerequisite. It is the student's responsibility to identify and fulfill those Prerequisite.
3. Communications and Media area courses:
 - BTS-2940 Film, Faith, and Popular Culture
 - BTS-4400 The Art of Preaching
 - BUSI/COMP-3050 Management Information Systems
 - BUSI/PSYC-2020 Organizational Behaviour
 - BUSI-2050 Fundamentals of Marketing
 - COMP-2010 Computer Implications: Social and Ethical
 - HIST-2510 History of Art and Culture I: Classical to Late Medieval
 - HIST-2520 History of Art and Culture II: Renaissance to the Present

8. Economics, Minor within the Bachelor of Arts

Program Director: Craig Martin, PhD

Economics is the inquiry into how societies organize themselves to provide for the material needs and wants of their members. Throughout most of human history, societies provided for the material needs of their members by hunting and gathering. The modern market economy is a relatively new development. Studies in Economics at CMU focus on assessing the strengths and weaknesses of the modern market economy to provide for the material needs and wants of the world, and also inquire how Christians should participate in that economy. Studies in economics prepare students for careers in business, financial services, government, and international organizations.

Requirements:

- A minimum of 18 credit hours
- A minimum of 6 credit hours in residence
- A minimum of 6 credit hours at the 2000-level or above
- ECON-1000 Introduction to Macro-economics
- ECON-1010 Introduction to Micro-economics
- Three credit hours of either intermediate macro-economics or intermediate micro-economics
- Economics electives—9 credit hours

9. English, Majors and Minor within the Bachelor of Arts

Program Chair: Sue Sorensen, PhD

Through studies in English students learn how to read and write about the most demanding and rewarding texts, texts that uncover the complexity of human life. Students learn to interpret texts, to communicate their interpretations effectively, and, in creative writing courses, to develop their own literary art. Studies in English prepare students for careers demanding excellent communication and critical thinking skills, including journalism, media, business, law, publishing, church ministry, and teaching. The study and creation of imaginative literature makes a unique contribution to the examined Christian life by, for example, teaching sensitivity to metaphor and narrative, two elemental means by which we know of God and ourselves.

9.1. English Major, Four-Year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 48 credit hours
- A minimum of 39 credit hours at the 2000-level and above

- Six credit hours from the following, including minimum three-credit hours of 1010, 1020, or 1050:
- ENGL-1010 English Literature: Prose Fiction
 - ENGL-1020 English Literature: Poetry and Drama
 - ENGL-1030 Classical Literature: Homeric Gods and Heroes
 - ENGL-1040 English Literature: Narrative Film
 - ENGL-1050 English Literature Topics
- One of the following:
- ENGL-2060 Romantic and Victorian Literature
 - ENGL-2070 Modernist Literature
- Six credit hours in literature from before the nineteenth century drawn from the following, including at least one of ENGL-2030, 2040, and 2050:
- ENGL-2030 Medieval Literature
 - ENGL-2040 Renaissance Literature
 - ENGL-2050 Restoration and Eighteenth-Century Literature
 - ENGL-3000 The History of the Book
 - ENGL-3010 Shakespeare
 - ENGL-3020 Studies in Sixteenth-Century Literature
 - ENGL-3030 Studies in Seventeenth-Century Literature
 - ENGL-3090 Studies in Medieval Literature
 - ENGL-3110 Milton
 - PHIL/BTS/ENGL-3120 Dante: *The Divine Comedy*
 - ENGL-4200 Revenge
- And, depending on the topic, ENGL-2950, 3950, or 4950 Topics in English
- English electives to reach a total of 48 credit hours for the major

General electives:

As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.

5. A student must earn a minimum grade of "C" in two of ENGL-1010, 1020, 1030, 1040, and 1050 to declare a major in this field.

9.2. English Major, Three-Year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 18 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 30 credit hours:
- A minimum of 21 credit hours at the 2000-level and above
- Six credit hours from the following, including minimum three-credit hours of 1010, 1020, or 1050:
 - ENGL-1010 English Literature: Prose Fiction
 - ENGL-1020 English Literature: Poetry and Drama
 - ENGL-1030 Classical Literature: Homeric Gods and Heroes
 - ENGL-1040 English Literature: Narrative Film
 - ENGL-1050 English Literature Topics
- One of the following:
 - ENGL-2060 Romantic and Victorian Literature
 - ENGL-2070 Modernist Literature
- Six credit hours in literature from before the nineteenth century drawn from the following, including at least one of ENGL-2030, 2040, and 2050:
 - ENGL-2030 Medieval Literature
 - ENGL-2040 Renaissance Literature

ENGL-2050 Restoration and Eighteenth-Century Literature
 ENGL-3000 The History of the Book
 ENGL-3010 Shakespeare
 ENGL-3020 Studies in Sixteenth-Century Literature
 ENGL-3030 Studies in Seventeenth-Century Literature
 ENGL-3090 Studies in Medieval Literature
 ENGL-3110 Milton
 PHIL/BTS/ENGL-3120 Dante: *The Divine Comedy*
 ENGL-4200 Revenge
 And, depending on the topic, ENGL-2950, 3950, or 4950 Topics in English
 English electives to reach a total of 30 credit hours for the major

General electives:

As required to reach a total of 90 credit hours.

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in two of ENGL-1010, 1020, 1030, 1040, and 1050 to declare a major in this field.

9.3. English Minor, Four- or Three-Year B.A.

Requirements:

- A minimum of 18 credit hours
- A minimum of 12 credit hours in residence
- Six credit hours from the following, including minimum three-credit hours of 1010, 1020, or 1050:
 - ENGL-1010 English Literature: Prose Fiction
 - ENGL-1020 English Literature: Poetry and Drama
 - ENGL-1030 Classical Literature: Homeric Gods and Heroes
 - ENGL-1040 English Literature: Narrative Film
 - ENGL-1050 English Literature Topics
- One of the following:
 - ENGL-2030 Medieval Literature
 - ENGL-2040 Renaissance Literature
 - ENGL-2050 Restoration and Eighteenth-Century Literature
- One of the following:
 - ENGL-2060 Romantic and Victorian Literature
 - ENGL-2070 Modernist Literature
- English electives—6 credit hours at the 2000-level and above

10. Environmental Studies Major within the Bachelor of Arts

Program Chair: Tim Rogalsky, PhD

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 69 credit hours
- A minimum of 18 credit hours at the 3000 level or higher
- ENVS/GEOG-1030 Introduction to Environmental Studies
- ENVS/PCTS-2620 Ecological Peacebuilding
- ENVS/IDS/GEOG-3010 Environment, Society, and Resilience
- Natural Sciences Foundation—18 credit hours
 - BIOL-1010 The Ecological and Evolutionary Revolution
 - BIOL-2510 Principles of Ecology
 - BIOL-3510 Conservation Biology
- 9 credit hours from the following:
 - BIOL-1020 The Genetic Revolution
 - BIOL-1310 Cells and Energy
 - BIOL-1320 Diversity of Life
 - BIOL/GEOG/IDS-2010 Introduction to Global Health
 - BIOL-2100 Genetics of Eukaryotes and Bacteria
 - BIOL-2200 Microbiology

- CHEM-1010 Structure and Modelling in Chemistry
- CHEM-1020 Physical Chemistry
- CHEM-2010 Organic Chemistry
- CHEM-2110 Biochemistry I: Biomolecules and Metabolic Energy
- MATH-1020 Introduction to Calculus
- MATH-1030 Calculus II
- Social Sciences Foundation—12 credit hours
- GEOG-1000 Introduction to Physical Geography
- 9 credit hours from the following:
 - GEOG 1010 Human Geography
 - ECON/IDS-2010 Economics of Development
 - ECON/IDS/POLS-2420 Ecological Economics
 - IDS-1110 Introduction to International Development Studies
 - IDS-2110 Participatory Local Development
 - IDS/GEOG-2131 Rural Development
 - IDS/GEOG-3020 Just and Sustainable Food Systems
 - IDS/ENVS/SOCI-3521 Study of Simple Living
 - IDS/PCTS/POLS/SOC-4100 Senior Seminar in Social Change
 - PCTS-1110 Introduction to Peace and Conflict Transformation Studies
 - PCTS/IDS-2443 Conflict and Development Issues in Indigenous Communities
 - POLS-1000 Democracy & Dissent
 - POLS-1010 Global Politics
 - POLS-2120 Peace and Conflict in World Politics
 - POLS/COMM/SOCI-3000 Politics, Society, and Mass Media
 - PSYC-2110 Social Relationships and Behaviour
 - SOCI-1110 Introduction to Sociology
 - PCTS/IDS/POLS-2040 Global Issues
- Humanities Foundation—At least 9 credit hours from the following:
 - BTS-2250 Creation, Ecology, and the Bible
 - BTS-3220 Apocalypse: Then and Now
 - BTS-3740 Social Issues in Christian Perspective
 - ENGL-3070 World Literature in English
 - HIST/INDS-2040 History of Indigenous Peoples of Canada
 - PHIL-2070 Business Ethics
 - PHIL-2080 The Ethics of Love
 - PHIL/BTS/ENGL-3120 Dante: The Divine Comedy
 - POLS/SOCI/PHIL-2600 Social and Political Philosophy
- Research Literacy—6 credit hours
 - MATH-1000 Basic Statistical Analysis
 - 3 credit hours from the following:
 - BIOL-4380 Molecular/Cell Laboratory Methods
 - BIOL-4580 Quantitative Research Methods in Ecology
 - PHIL-1010 The Task of Philosophy II: The Question of Knowledge
 - PSYC-2030 Research Design in Psychology
 - PSYC/SOCI-2050 Introduction to Qualitative Research in the Social Sciences

PSYC/SOCI-4030 Qualitative Inquiry in the Social Sciences

Concentration—An additional 15 credit hours drawn from courses listed in one of the three foundation areas (Natural Sciences, Social Sciences, or Humanities)

General electives:

As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in ENV5/GEOG-1030 to declare a major in this field.

Note regarding the major:

From year to year, CMU offers new topics courses in various subject fields. The pertinent Registration Guide will indicate which of those topics courses can serve within the Environmental Studies major. Students may also submit appeals to the Curriculum Committee to have other courses not listed above included among the particular selections for their individual majors.

11. Geography, Major and Minor within the Bachelor of Arts

Program Advisor: Ray Vander Zaag, PhD

The study of Geography concerns physical and human processes and interactions on the earth's surface. Physical Geography asks where and why natural phenomena (such as weather, climate, soils, landforms, vegetation types) occur as they do. Human Geography asks why human and cultural elements (such as language, population, religion, agriculture, industry and conflict) are located as they are. Investigation of the interplay between physical factors and human factors is central to the discipline. Studies in Geography equip students to appreciate and care for creation and prepare students for careers in education, conservation, planning, and resource industries.

11.1. Geography Major, Three-year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 12 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 30 credit hours
- A minimum of 9 credit hours at the 3000-level or higher
- GEOG-1000 Introduction to Physical Geography
- GEOG-1010 Introduction to Human Geography
- Additional physical geography—6 credit hours

Additional cultural or human geography—6 credit hours
 Geography electives—12 credit hours including 6 credit hours at the 2000 level or above.

General electives:

As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires minimum forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. The 18 credit hours of the Biblical and Theological Studies requirement constitute a minor if no courses used to meet that requirement are counted toward the major or a second minor. Student has the option of declaring a second minor.
6. A student must earn a minimum grade of "C" in GEOG-1000, -1010, or ENV5/GEOG-1030 to declare a major in this field.

11.2. Geography Minor, Four- and Three-year B.A.

Requirements:

- A minimum of 18 credit hours
- A minimum of 6 credit hours in residence
- A minimum of 6 credit hours of 1000-level courses
- A minimum of 9 credit hours at the 2000-level or above
- A minimum of 3 credit hours from two of the following sub-fields:
 - Physical Geography
 - Systematic Human Geography
 - Regional Geography

12. History, Majors and Minor within the Bachelor of Arts

Program Chair: Brian Froese, PhD

The study of History enables students to understand various movements and influences that throughout time have shaped and formed the world in which they live. It explores the influence of culture, religion, politics, economics, and other forces from the emergence of written texts to the present time. It includes inquiry into the formation of western civilization as well as the formation and intersections of global civilizations. At CMU, significant attention is also given to the history of Christianity, but the courses that most specifically address this area appear under Biblical and Theological Studies. Studies in History prepare students for careers in government, journalism, archival work, and education.

12.1. History Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 48 credit hours
- A minimum of 18 credit hours at the 3000-level or higher
- HIST-1000 History of the West in Global Context I
- HIST-1010 History of the West in Global Context II

HIST-4200 Theory and Methods of History
 HIST-4210 Senior Research Seminar in History
 Canadian history—6 credit hours
 Mennonite/Anabaptist History—3 credit hours
 North American Indigenous history—3 credit hours
 Religious History—3 credit hours
 History outside Canada, United States, or Western Europe—3 credit hours
 History Before 1400—3 credit hours
 Electives—15 credit hours

Ancillary requirement:

Language studies—6 credit hours

General electives:

As required to reach a total of 120 credit hours.

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in HIST-1000 and HIST-1010 to declare a major in this field.

Additional notes regarding the major:

1. Students may include six credit hours from the following:
 BTS-4595 Topics in the History of Christianity
 ECON-2400 History of Economic Thought: Macroeconomics
 ECON-2410 History of Economic Thought: Microeconomics
 MUSC-2220 Music History I
 MUSC-2230 Music History II
 PHIL-1000 The Task of Philosophy I: The Question of Reality
 PHIL-1010 The Task of Philosophy II: The Question of Knowledge

12.2. History Major, Three-year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 (“C”) in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 (“C”) in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 18 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 30 credit hours
- A minimum of 9 credit hours at the 3000-level or higher
- HIST-1000 History of the West in Global Context I
- HIST-1010 History of the West in Global Context II
- Canadian history—3 credit hours
- 9 credit hours from a minimum of three areas:
 Mennonite/Anabaptist History
 North American Indigenous History
 Religious History
 History outside Canada, United States, or Western Europe
 History Before 1400
- Electives—18 credit hours

General electives:

- As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.

2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in HIST-1000 and HIST-1010 to declare a major in this field.

Additional notes regarding the major:

1. Students may include three credit hours from the following:
 - BTS-4595 Topics in the History of Christianity
 - ECON-2400 History of Economic Thought: Macroeconomics
 - ECON-2410 History of Economic Thought: Microeconomics
 - MUSC-2220 Music History I
 - MUSC-2230 Music History II
 - PHIL-1000 The Task of Philosophy I: The Question of Reality
 - PHIL-1010 The Task of Philosophy II: The Question of Knowledge

12.3. History Minor, Four- or Three-Year B.A.

Requirements:

- A minimum of 18 credit hours
- A minimum of 12 credit hours in residence
- HIST-1000 History of the West in Global Context I
- HIST-1010 History of the West in Global Context II
- Twelve credit hours at the 2000-level or higher

Note: Courses for the minor must be History courses, that is, their course numbers must begin with the prefix HIST.

13. Humanities, Major within the Bachelor of Arts

Program Chair: Paul Dyck, PhD

This interdisciplinary major in Humanities gives students grounding in the core humanities disciplines of History, Philosophy, and English Literature. It will provide for a flexible combination of these and other humanities disciplines, enabling students to pursue humanities interests across disciplinary lines.

13.1. Humanities Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 66 credit hours
- A minimum of 24 credit hours at the 3000-level or higher
- One of the following:
 - BTS-1110 Biblical Literature and Themes
 - BTS-1120 Encountering the Bible
 - BTS-1130 Introducing Jesus: An Overview of the Christian Bible
- One of the following:
 - BTS-2000 Introduction to Christianity
 - BTS-2420 Exploring Christian Spirituality
 - BTS/HIST-2550 History of Christianity

BTS-2720 Theologies of the Global South
 BTS-2740 Christianity and Art
 BTS-2750 Introduction to Christian Ethics
 Six credit hours from the following, including minimum three-credit hours of 1010, 1020, or 1050:
 ENGL-1010 English Literature: Prose Fiction
 ENGL-1020 English Literature: Poetry and Drama
 ENGL-1030 Classical Literature: Homeric Gods and Heroes
 ENGL-1040 English Literature: Narrative Film
 ENGL-1050 English Literature Topics
 HIST-1000 History of the West in Global Context I
 HIST-1010 History of the West in Global Context II
 PHIL-1000 The Task of Philosophy I: The Question of Reality
 PHIL-1010 The Task of Philosophy II: The Question of Knowledge
 HIST-2510 History of Art and Culture I: Classical to Late Medieval
 HIST-2520 History of Art and Culture II: Renaissance to the Present
 An additional 36 credit hours of humanities, including at least 12 credit hours in Biblical and Theological Studies

Additional notes regarding the major:

1. For the purposes of this major, the Humanities electives can be drawn from all courses CMU offers in Biblical and Theological Studies, English, History, Languages, Philosophy, Religion Fine Arts, and Music, but excepting courses in applied music studies, music ensembles, music skills, or theatre ensembles.

General electives:

As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, music skills, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student may choose a minor drawn from a subject field outside of the humanities.
6. A student must earn a minimum grade of "C" in each of the required courses in introductory Biblical and Theological Studies, English, History, and Philosophy to declare a major in this field.

14. Interdisciplinary Studies, Majors within the Bachelor of Arts

Program Chair: Paul Dyck, PhD

The Interdisciplinary Studies majors allow students to develop and propose their own programs of studies, oriented around particular themes of their individual choosing. These majors invite students to combine CMU's curricular offerings in creative ways. There are three variations, all four-year, including the possibility of an Honours degree (culminating in a thesis) and a Combined major, which focuses on two main areas of study.

14.1. Interdisciplinary Studies, Student-Defined Major, Four- Year, Honours

Admission Requirements

- Minimum GPA of 3.5 over 45 credit hours
- Minimum GPA of 3.5 in courses submitted for the major
- Application in writing to the Curriculum Committee by the beginning of the third year, providing a theme and a proposed list of courses for inclusion in the major with a statement demonstrating the coherence and relevance of the theme selected

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 3.5 ("B+") in the courses presented for the major
- A minimum grade point average of 3.5 ("B+") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the courses presented for the major

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 60 credit hours
- A minimum of 48 credit hours at the 2000-level and above, including 30 credit hours at the 3000-level and above, of which at least 9 credit hours are at the 4000-level
- A theme proposed by the student around which the courses selected for the major cohere
- An Honours Thesis

General electives:

- As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above, including forty-eight hours at the 3000-level and above.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, media skills, music ensemble, theatre ensemble, peace skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. This program may include a maximum of fifty-four credit hours in Biblical and Theological Studies.

14.2. Interdisciplinary Studies, Student-Defined Major, Four- Year

Admission Requirements

- Minimum GPA of 2.0 over 30 credit hours
- Application in writing to the Curriculum Committee by the beginning of the third year, providing a theme and a proposed list of courses for inclusion in the major with a statement demonstrating the coherence and relevance of the theme selected

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the courses presented for the major

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 54 credit hours
- A minimum of 42 credit hours at the 2000-level and above, including 24 credit hours at the 3000-level and above, of which at least 6 credit hours are at the 4000-level
- A theme proposed by the student around which the courses selected for the major cohere

General electives:

- As required to reach a total of 120 credit hours.

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, media skills, music ensemble, theatre ensemble, peace skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. This program may include a maximum of fifty-four credit hours in Biblical and Theological Studies.

14.3. Interdisciplinary Studies, Combined Major, Four-Year

Admission Requirements

- Minimum GPA of 2.0 over 30 credit hours
- Application in writing to the Curriculum Committee by the beginning of the third year, providing a theme and a proposed list of courses for inclusion in the major with a statement demonstrating the coherence and relevance of the theme selected

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the courses presented for the major

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 60 credit hours, including a minimum of 24 credit hours from each of two subject fields
- A minimum of 48 credit hours at the 2000-level and above, including 24 credit hours at the 3000-level and above, of which at least 6 credit hours are at the 4000-level
- Required introductory courses from each of two subject fields

General electives:

- As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same

time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.

2. This program requires a minimum of seventy-two hours at the 2000-level or above.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, media skills, music ensemble, theatre ensemble, peace skills) and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. This program may include a maximum of fifty-four credit hours in Biblical and Theological Studies.

15. International Development Studies (IDS), Majors and Minor within the Bachelor of Arts

Program Chair: Ray Vander Zaag, PhD

In this interdisciplinary field of inquiry, students will explore the causes and consequences of processes that promote some individuals, communities, and nations, and exclude others. Moreover, students will examine the foundational values and world-views of competing visions of development, including those of faith-based approaches. Student will be prepared for citizenship in an increasingly interdependent global community, and they will be encouraged to envision faithful approaches to transformational development that brings justice and peace.

The three-year IDS major has been designed for students with a general interest in international development and global justice. The four-year major has been designed for students planning long-term work with development agencies or further study and research. Students may build upon its requirements with courses that either focus on theoretical knowledge or on practical knowledge and skills.

15.1. International Development Studies Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours

Indigenous—3 credit hours
 Making—3 credit hours
 Ways of Knowing II—6 credit hours
 Academic writing requirement

Major Requirements:

A minimum of 54 credit hours
 IDS-1110 Introduction to International Development Studies
 9 credit hours from the following, including at least one of the first three:
 ANTH-1610 Cultural Anthropology
 ENVS/GEOG-1030 Introduction to Environmental Studies
 SOCI-1110 Introduction to Sociology
 ECON-1000 Introduction to Micro-economics
 ECON-1010 Introduction to Macro-economics
 GEOG-1010 Intro to Human Geography
 HIST-1010 History of the West in Global Context II
 PCTS-1110 Introduction to Peace and Conflict Transformation Studies
 POLS- 1010 Global Politics

The following 24 credit hours:

IDS/PCTS-2000 The Project Cycle
 ECON/IDS-2010 Economics of Development
 IDS-2110 Participatory Local Development
 IDS -2171 Crisis, Humanitarian Aid, and Disaster Recovery
 IDS-3111 Analysis of Development Aid Policies
 PSYC/SOCI-4030 Qualitative Inquiry in the Social Sciences
 IDS/PCTS/POLS/SOCI-4100 Senior Seminar in Social Change
 IDS-4130 Mennonite Community and Development OR IDS-4140 Religion and Development

Optional Courses—9 credit hours from the following:

BUSI/IDS-4030 International Microfinance
 BUSI/IDS-4040 Economic Development and Microfinance Study Tour
 ENVS/IDS/GEOG-3010 Environment, Society, and Resilience
 IDS/GEOG-2131 Rural Development
 IDS-2950 Topics in IDS
 IDS/GEOG-3020 Just and Sustainable Food Systems
 IDS/ENVS/SOCI-3521 Study of Simple Living
 IDS-3950 Topics in IDS
 IDS-4130 Mennonite Community and Development OR IDS-4140 Religion and Development
 PCTS/IDS-2443 Conflict and Development Issues in Indigenous Communities
 PCTS/IDS/POLS-2040 Global Issues

Area Courses—9 credit hours from the following:

BUSI/PSYC-2020 Organizational Behaviour

BUSI-2030 Management and Organizational Theory
 BUSI/POLS-2500 Social Entrepreneurship
 BUSI/PSYC-3000 Organizational Leadership
 BUSI-3300 Not-For-Profit Management
 BUSI-3500 International Business
 COMM-3020 Group Communication and Creative Process
 ENVS/PCTS-2620 Ecological Peacebuilding
 HIST/INDS-2040 History of Indigenous Peoples of Canada
 PCTS-3120 Cultures of Violence, Cultures of Peace
 PCTS-3600 Art of Peacebuilding
 PCTS-3700 Ethics of Peacebuilding
 PCTS/PHIL-3800 Whose Violence? Which Peace?
 POLS-2120 Peace and Conflict in World Politics
 POLS-2200 Human Rights and Dignity
 POLS/SOCI/PHIL-2600 Social and Political Philosophy
 POLS/COMM/SOCI-3000 Politics, Society, and Mass Media
 SOCI-2020 Communities and Organizations
 SOCI-2030 Inter-cultural Theory and Practice
 SOCI-2060 Sociology of Gender

Ancillary requirements:

Modern language—6 credit hours
 One of the following (which may also be counted within the Common curriculum above):
 BTS-2230 Biblical Perspectives on Peace & Justice
 BTS-2720 Theologies of the Global South
 BTS-2780 Political Theology
 BTS-2800 Theology of Peace and Justice
 BTS-3450 Theology of Power
 BTS-3710 Theology of Mission

General electives:

As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills does not exceed twenty-one credit hours.

4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in IDS-1110 to declare a major in this field.

Notes regarding the major:

1. The practicum must relate to the IDS major. Completion of PRAC-3810 International Development Studies Intensive Practicum, fulfills this requirement. Other options for the fulfillment of this requirement are also available. For more details see the Director of Practica. Students must complete at least three credit hours of the practicum before registering for IDS/PCTS/POLS/SOCI-4100 Senior Seminar in Social Change.
2. IDS majors are encouraged to select courses from the following list in fulfilling the Biblical and Theological Studies requirements of the common curriculum:
 - BTS-2230 Biblical Perspectives on Peace and Justice
 - BTS-2720 Theologies of the Global South
 - BTS-2780 Political Theology
 - BTS-2800 Theology of Peace and Justice
 - BTS-3230 Biblical Interpretation across Cultures
 - BTS-3240 New Testament Economics
 - BTS-3450 Theologies of Power
 - BTS-3710 Theology of Mission

15.2. International Development Studies Major, Three-year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 (“C”) in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 (“C”) in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 24 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours

- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 36 credit hours
- IDS-1110 Introduction to International Development Studies
- Three of the following, including at least one of the first three:
 - ANTH-1610 Cultural Anthropology
 - ENVS/GEOG-1030 Intro to Environmental Studies
 - SOCI-1110 Introduction to Sociology
 - ECON-1000 Introduction to Micro-economics
 - ECON-1010 Introduction to Macro-economics
 - GEOG-1010 Intro to Human Geography
 - HIST-1010 History of the West in Global Context II
 - PCTS-1110 Introduction to Peace and Conflict Transformation Studies
 - POLS- 1010 Global Politics
- The following 9 credit hours:
 - IDS/PCTS-2000 The Project Cycle
 - IDS-2110 Participatory Local Development
 - IDS-3111 An Analysis of Development Aid Policy

Optional Courses—6 credit hours from the following:

- BUSI/IDS-4030 International Microfinance
- BUSI/IDS-4040 Economic Development and Microfinance Study Tour
- ECON/IDS-2010 Economics of Development
- ENVS/IDS/GEOG-3010 Environment, Society, and Resilience
- IDS/GEOG-2131 Rural Development
- IDS-2171 Crisis, Humanitarian Aid, and Disaster Recovery
- IDS-2950 Topics in IDS
- IDS/GEOG-3020 Just and Sustainable Food Systems
- IDS/ENVS/SOCI-3521 Study of Simple Living
- IDS-3950 Topics in IDS
- IDS/PCTS/POLS/SOCI-4100 Senior Seminar in Social Change
- IDS-4130 Mennonite Community and Development
- IDS-4140 Religion and Development
- PCTS/IDS-2443 Conflict and Development Issues in Indigenous Communities
- PCTS/IDS/POLS-2040 Global Issues

Area Courses—9 credit hours from the following:

- BUSI/PSYC-2020 Organizational Behaviour
- BUSI-2030 Management and Organizational Theory
- BUSI/POLS-2500 Social Entrepreneurship
- BUSI/PSYC-3000 Organizational Leadership
- BUSI-3300 Not-For-Profit Management
- BUSI-3500 International Business

COMM-3020 Group Communication and Creative Process
 HIST/INDS-2040 History of Indigenous Peoples of Canada
 ENVS/PCTS-2620 Ecological Peacebuilding
 PCTS-3120 Cultures of Violence, Cultures of Peace
 PCTS-3600 Art of Peacebuilding
 PCTS-3700 Ethics of Peacebuilding
 PCTS/PHIL-3800 Whose Violence? Which Peace?
 POLS-2120 Peace and Conflict in World Politics
 POLS-2200 Human Rights and Dignity
 POLS/SOCI/PHIL-2600 Social and Political Philosophy
 POLS/COMM/SOCI-3000 Politics, Society, and Mass Media
 PSYC/SOCI-4030 Qualitative Inquiry in the Social Sciences
 SOCI-2020 Communities and Organizations
 SOCI-2030 Inter-cultural Theory and Practice
 SOCI-2060 Sociology of Gender

General electives:

As required to reach a total of 90 credit hours.

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills do not exceed eighteen credit hours.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in IDS-1110 to declare a major in this field.

Notes regarding the major:

1. The practicum must relate to the major in IDS. Completion of PRAC-3810 International Development Studies Intensive Practicum, fulfills this requirement. Other options for the fulfillment of this requirement are also available. For more details see the Director of Practica.

2. IDS majors are encouraged to select courses from the following list in fulfilling the Biblical and Theological Studies requirements of the common curriculum:
 - BTS-2230 Biblical Perspectives on Peace and Justice
 - BTS-2720 Theologies of the Global South
 - BTS-2780 Political Theology
 - BTS-2800 Theology of Peace and Justice
 - BTS-3230 Biblical Interpretation across Cultures
 - BTS-3240 New Testament Economics
 - BTS-3450 Theologies of Power
 - BTS-3710 Theology of Mission

15.3. International Development Studies Minor, Four- and Three-year B.A.

Requirements:

- A minimum of 18 credit hours
- A minimum of 12 credit hours in residence
- IDS-1110 Introduction to International Development Studies
- IDS-2110 Participatory Local Development
- IDS-3111 An Analysis of Development Aid Policy
- 9 credit hours with and 'IDS' prefix

16. Programs in Mathematics

Program Chair: Tim Rogalsky, PhD

Mathematics is the language of our technological world. It lies at the heart of scientific research, engineering, and computer science. A math degree can prepare students for a career in science, industry, business, or teaching. But the study of mathematics will also assist students in developing skills beneficial for inquiry in any other disciplinary field, e.g., theology, philosophy, music, or psychology. Students learn to be precise and organized, to solve problems creatively, and to reason analytically. At CMU, a Christian worldview provides perspective on mathematical studies. We consider limitations and ethical applications of mathematics, how math can inspire awe of the Creator, and how it has informed self-understanding and theology.

16.1. Mathematics, Majors within the Bachelor of Science

16.1.1. Mathematics Major, B.Sc. (Four-year)

Admission Requirements

Track 1- Direct from High School

Must meet CMU's regular admission requirements, plus a minimum grade of 70% in grade 12 pre-calculus mathematics and two of the following grade 12 subjects: biology, chemistry, physics.

Track 2 – 30 credit hours of university with a minimum GPA of 2.5(C+), including a minimum GPA of 2.5(C+) in MATH-1020 and 1030.

Graduation Requirements:

120 credit hours fulfilling the program requirements as specified below

A minimum grade point average of 2.0 ("C") in the courses presented for the major

A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program

9 credit hours of the Ways of Knowing II and Theology requirements

24 credit hours of the major requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I

Theology—6 credit hours

Humanities—3 credit hours

Social Science—3 credit hours

Science—6 credit hours

Practicum—6 credit hours

Anabaptist—3 credit hours

Indigenous—3 credit hours

Making—3 credit hours

Ways of Knowing II—6 credit hours

Academic writing requirement

Science Requirement

Minimum of 69 credit hours

51 credit hours of Mathematics, including a minimum of 18 credit hours at the 3000-level and above:

MATH-1000 Basic Statistical Analysis

MATH-1020 Introduction to Calculus

MATH-1030 Calculus II

Math-1040 Elements of Discrete Mathematics or

MATH-2000 Discrete Mathematics

MATH-2005 Vector Geometry and Linear Algebra

Additional calculus—6 credit hours

Additional algebra—3 credit hours

Mathematics electives—27 credit hours

9 credit hours of Science:

COMP-1030 Introduction to Computer Science I

PHYS-1010 Physics I: Mechanics of Movement

PHYS-1020 Physics II: Oscillations and Waves

Science electives (Physics, Biology, and/or Chemistry)

– 9 credit hours

General electives:

As required to reach a total of 120 credit hours.

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum. A course may simultaneously fulfill a requirement for an area in the common curriculum and for a science requirement.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in six credit hours of MATH-1020, MATH-1030, MATH-1040, or MATH-2000 to continue in the program.
6. For students planning to pursue graduate studies in mathematics, the following electives must be included in the degree: 6 credit hours each of algebra and real analysis; and 3 credit hours each of ordinary differential

equations, numerical analysis, complex analysis, and topology.

16.1.2. Mathematics Major, B.Sc. (Three-year)

Admission Requirements

Track 1- Direct from High School

Must meet CMU's regular admission requirements, plus a minimum grade of 70% in grade 12 pre-calculus mathematics and two of the following grade 12 subjects: biology, chemistry, physics.

Track 2 – 30 credit hours of university with a minimum GPA of 2.5(C+), including a minimum GPA of 2.5(C+) in MATH-1020 and 1030.

Graduation Requirements:

90 credit hours fulfilling the program requirements as specified below

A minimum grade point average of 2.0 ("C") in the courses presented for the major

A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program

9 credit hours of the Ways of Knowing II and Theology requirements

18 credit hours of the major requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I

Theology—6 credit hours

Humanities—3 credit hours

Social Science—3 credit hours

Science—6 credit hours

Practicum—6 credit hours

Anabaptist—3 credit hours

Indigenous—3 credit hours

Making—3 credit hours

Ways of Knowing II—6 credit hours

Academic writing requirement

Science Requirements:

Minimum of 42 credit hours

Minimum of 6 credit hours from each of two subject fields: Biology, Chemistry, and Physics, in the following list:

BIOL-1010 The Evolutionary and Ecological Revolution

BIOL-1020 The Genetic Revolution

BIOL-1310 Cells and Energy

BIOL-1320 Diversity of Life

CHEM-1010 Structure and Modelling in Chemistry

CHEM-1020 Physical Chemistry

PHYS-1010 Physics I: Mechanics of Movement

PHYS-1020 Physics II: Oscillations and Waves
Minimum 30 credit hours of Mathematics, including 6 credit at the 3000-level or higher

MATH-1000 Basic Statistical Analysis

MATH-1020 Introduction to Calculus

MATH-1030 Calculus II

Math-1040 Elements of Discrete Mathematics or

MATH-2000 Discrete Mathematics

MATH-2005 Vector Geometry and Linear Algebra

Mathematics electives—15 credit hours

General electives:

As required to reach a total of 90 credit hours.

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum. A course may simultaneously fulfill a requirement for an area in the common curriculum and for a science requirement.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in six credit hours of MATH-1020, MATH-1030, MATH-1040, or MATH-2000 to continue in the program.

16.2. Mathematics, Majors and Minor within the Bachelor of Arts

16.2.1. Mathematics Major, Four-year B.A.

Graduation Requirements:

120 credit hours fulfilling the program requirements as specified below

A minimum grade point average of 2.0 ("C") in the courses presented for the major

A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program

9 credit hours of the Ways of Knowing II and Theology requirements

24 credit hours of the major requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I
Theology—6 credit hours
Humanities—3 credit hours
Social Science—3 credit hours
Science—6 credit hours
Practicum—6 credit hours
Anabaptist—3 credit hours
Indigenous—3 credit hours
Making—3 credit hours
Ways of Knowing II—6 credit hours
Academic writing requirement

Major Requirements:

Minimum of 48 credit hours
Minimum of 18 credit hours at the 3000-level or above
MATH-1020 Introduction to Calculus
MATH-1030 Calculus II
Math-1040 Elements of Discrete Mathematics or
MATH-2000 Discrete Mathematics
MATH-2005 Vector Geometry and Linear Algebra
Additional calculus—6 credit hours
Additional algebra—3 credit hours
Mathematics electives—27 credit hours

Ancillary Requirements:

COMP-1030 Introduction to Computer Science I
MATH-1000 Basic Statistical Analysis
PHYS-1010 Physics I: Mechanics of Movement

General electives:

As required to reach a total of 120 credit hours.

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.

5. A student must earn a minimum grade of "C" in six credit hours of MATH-1020, MATH-1030, MATH-1040, or MATH-2000 to declare a major in this field.

Mathematics Major, Three-year B.A.

Graduation Requirements:

90 credit hours fulfilling the program requirements as specified below
A minimum grade point average of 2.0 ("C") in the courses presented for the major
A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
9 credit hours of the Ways of Knowing II and Theology requirements
18 credit hours of the major requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I
Theology—6 credit hours
Humanities—3 credit hours
Social Science—3 credit hours
Science—6 credit hours
Practicum—6 credit hours
Anabaptist—3 credit hours
Indigenous—3 credit hours
Making—3 credit hours
Ways of Knowing II—6 credit hours
Academic writing requirement

Major Requirements:

A minimum of 30 credit hours
A minimum of 6 credit hours at the 3000-level or above
MATH-1020 Introduction to Calculus
MATH-1030 Calculus II
Math-1040 Elements of Discrete Mathematics or
MATH-2000 Discrete Mathematics
MATH-2005 Vector Geometry and Linear Algebra
Mathematics electives—18 credit hours

General electives:

As required to reach a total of 90 credit hours.

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit

hours of 1000-level courses can count toward this program.

3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in six credit hours of introductory Mathematics to declare a major in this field.

16.3. Mathematics Minor, Four- or Three-Year B.A.

Requirements:

- A minimum of 18 credit hours
- A minimum of 12 credit hours in residence
- A minimum of 6 credit hours at the 2000-level or above
- MATH-2005 Vector Geometry and Linear Algebra
- MATH-1020 Introduction to Calculus
- Mathematics electives—12 credit hours

17. Programs in Music

Music studies consist of the discipline and art of music-making along with exploration of how music serves human needs for constructive imagination, beauty, worship, and reconciliation. In addition to individual applied music studies and academic music courses, music studies at CMU include participation in a wide variety of ensembles both vocal and instrumental.

Notes:

1. All new students planning to register in Individual Applied Music Studies, whether as a minor or a major, must complete an auditioning process. Auditions occur during the spring preceding entry to studies at CMU as well as during the registration period and will require students to perform a minimum of two pieces or movements in contrasting style.
2. Students must meet the program requirements as stipulated for the year in which they gain admission to the concentration.

17.1. Bachelor of Music

Program Chair: Michelle Yaciuk, MMus

Bachelor of Music degrees prepare students for careers and further studies in music education, performance, musicology, music administration, and music ministry. Students must choose one of the following concentrations within the Bachelor of Music:

- Music Education (Early/Middle Years, Senior Years Choral, or Senior Years Instrumental)
- Music Ministry
- Musicology
- Performance (Majors in Voice, Piano, Collaborative Piano, and other instruments)
- Comprehensive

17.1.1. Bachelor of Music, Concentration in Music Education

Admission Requirements for the Concentration:

- Application at the end of the second year in the B.Mus. degree program
- A minimum grade of “C” in MUSC-2010 and MUSC-2110
- Interview with a member of the Music faculty

Graduation Requirements:

- 130 credit hours fulfilling the program requirements as specified below
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 (“C”) in 130 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program

9 credit hours of the Ways of Knowing II and Theology requirements
30 credit hours of the music requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I
Theology—3 credit hours
Church Music—3 credit hours
Humanities—3 credit hours
Social Science—3 credit hours
Science—3 credit hours
Humanities or Social Science from outside Music or Music Therapy—3 credit hours
Practicum—3 credit hours
Anabaptist—3 credit hours
Indigenous—3 credit hours
Making—3 credit hours
Ways of Knowing II—3 credit hours
Academic writing requirement

Music Requirements:

Theory—12 credit hours
MUSC-1000 Music Theory I
MUSC-1010 Music Theory II
MUSC-2000 Music Theory III
MUSC-2010 Music Theory IV
Music Skills—6 credit hours
MUSC-1100 Music Skills I
MUSC-1110 Music Skills II
MUSC-2100 Music Skills III
MUSC-2110 Music Skills IV
History—12 credit hours:
MUSC-1220 The Art of Music
MUSC-2220 Music History I
MUSC-2230 Music History II
3 credit hours at the 2000-level and above
Individual Applied Music Studies—12 credit hours
Ensemble—8 credit hours
Concentration—one of the three following streams:

Early/Middle Years Stream—18 credit hours as follows

MUSC-2150 Conducting Techniques I
MUSC-3100 Early Musical Development
MUSC-3150 Conducting Techniques II
MUSC-2840 Percussion Techniques A
MUSC-2850 Percussion Techniques B
MUSC-4070 Choral Repertoire & Interpretation
OR MUSC-4170 Band & Orchestral Techniques
One of:
MUSC-2260 Worlds of Music
MUSC/COMM-3010 Music Production
MUSC-3050 Composing and Arranging Seminar
MUSC-3140 Vocal and Choral Techniques
MUSC-3170 Jazz Ensemble Techniques
MUTH-2800 Introduction to Music Therapy

Senior Years: Choral Stream—30 credit hours as follows

MUSC-2150 Conducting Techniques I
MUSC-2260 Worlds of Music
MUSC-3140 Vocal and Choral Techniques
MUSC-3150 Conducting Techniques II
MUSC-3170 Jazz Ensemble Techniques
MUSC-4070 Choral Repertoire and Interpretation
Four of:
MUSC-2145 Lyric Diction
MUSC-2250 History of Jazz
MUSC/BTS-2330 Leading Music and Worship
MUSC-2840 Percussion Techniques A
MUSC-2850 Percussion Techniques B
MUSC/COMM-3010 Music Production **OR**
MUSC-3050 Composing and Arranging Seminar
MUSC-3830 Psychology of Music
MUSC-4800 Research in Music Education and Therapy
MUTH-2800 Introduction to Music Therapy

Senior Years: Instrumental Stream—30 credit hours as follows

MUSC-2150 Conducting I
MUSC-2260 Worlds of Music
MUSC-2840 Percussion Techniques A
MUSC-2850 Percussion Techniques B
MUSC/COMM-3010 Music Production **OR** MUSC-3050 Composing and Arranging Seminar
MUSC-3150 Conducting Techniques II
MUSC-3170 Jazz Ensemble Techniques
MUSC-4170 Band and Orchestral Techniques
MUSC-3860 Brass Techniques
MUSC-3890 Woodwind Techniques
One of:
MUSC-2250 History of Jazz
MUSC-3830 Psychology of Music
MUSC-4800 Research in Music Education and Therapy

Teachable electives:

As required to reach a total of 130 credit hours

Degree Regulations

1. Students in this program must choose teachable electives to fulfill the liberal arts Prerequisite of whichever “after-degree” Bachelor of Education program they choose to pursue. Students should consult the program documents of the “after-degree” program, in consultation with an academic advisor at CMU, to make certain they fulfill any applicable requirements, including those for a second teachable subject area. Music Education requirements for the early/middle years stream are lower in comparison to those of the senior years streams, reflecting the usual differences in the Prerequisite for “after-degree” programs. Typically, prospective teachers of early/middle years will need to prepare more broadly

in arts and sciences than prospective teachers for senior years.

2. This program requires at least two years of auditioned choir, i.e., CMU Singers, CMU Chamber Choir, Women's Chorus or Men's Chorus.
3. The course distribution for this program must include at least six credit hours of course work in a minimum of four and a maximum of five subject fields.
4. Students must complete the twelve credit hours of Individual Applied Music Studies on one instrument in the pattern of three credit hours per year over four years. Any exceptions must be approved by the Program Chair.
5. The courses MUSC-2250 and MUSC-2260 can serve either to fulfill a requirement for music history or a requirement within the teaching stream. They cannot serve to fulfill both.

17.1.2. Bachelor of Music, Concentration in Music Ministry

Admission Requirements for the Concentration:

- Application at the end of the second year in the B.Mus. degree program
- A minimum grade of "C" in MUSC-2010 and MUSC-2110
- Interview with a member of the Music faculty

Graduation Requirements:

- 130 credit hours fulfilling the program requirements as specified below
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 130 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—3 credit hours
- Church Music—3 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—3 credit hours
- Humanities or Social Science from outside Music or Music Therapy—3 credit hours
- Practicum—3 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—3 credit hours
- Academic writing requirement

Music Requirements:

- A minimum of 71 credit hours
- Theory—12 credit hours
 - MUSC-1000 Music Theory I
 - MUSC-1010 Music Theory II
 - MUSC-2000 Music Theory III
 - MUSC-2010 Music Theory IV
- Music Skills—6 credit hours
 - MUSC-1100 Music Skills I
 - MUSC-1110 Music Skills II
 - MUSC-2100 Music Skills III
 - MUSC-2110 Music Skills IV
- History—15 credit hours:
 - MUSC-1220 The Art of Music
 - MUSC-2220 Music History I
 - MUSC-2230 Music History II
 - 3 credit hours at the 2000-level and above
 - 3 credit hours at the 3000-level and above
 - MUSC-2150 Conducting Techniques I
- Individual Applied Music Studies—12 credit hours
- Ensemble—8 credit hours
- Music electives—15 credit hours
- Music ministry concentration requirements—26 credit hours*
 - BTS-2370 The Art of Worship
 - BTS-4420 Christian Worship
 - MUSC/BTS-2300 Music Ministry & Resources
 - MUSC-3100 Early Musical Development
 - MUSC-3398 Church Music Event/Project
 - Practicum – 6 credit hours, relating to the major
 - Plus two of:
 - MUSC/BTS-2310 Hymnology: The History of Congregational Song
 - MUSC-2320 Liturgy & Artistic Expression
 - MUSC/BTS-2330 Leading Music and Worship
 - MUSC/BTS-3310 Church Renewal & Music in the Twentieth Century

General Electives

- As required to reach a total of 130 credit hours

Degree Regulations

1. This program requires at least two years of auditioned choir, i.e., CMU Singers, CMU Chamber Choir, Women's Chorus, or Men's Chorus.
2. The course distribution for this program must include at least six credit hours of course work in a minimum of four and a maximum of five subject fields.
3. Students must complete the twelve credit hours of Individual Applied Music Studies on one instrument in the pattern of three credit hours per year over four years. Any exceptions must be approved by the Program Chair.

17.1.3. Bachelor of Music, Concentration in Musicology

Admission Requirements for the Concentration:

- Application at the end of the second year in the B.Mus. degree program
- A minimum grade of "B+" in MUSC-2220, 2230, and one of MUSC-3210, 3200, 4200, 4210 or 4220.
- Interview with a member of the Music faculty

Graduation Requirements:

- 130 credit hours fulfilling the program requirements as specified below
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 130 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the music requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—3 credit hours
- Church Music—3 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—3 credit hours
- Humanities or Social Science from outside Music or Music Therapy—3 credit hours
- Practicum—3 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—3 credit hours
- Academic writing requirement

Music and Concentration Requirements:

- A minimum of 91 credit hours
- Theory—12 credit hours
 - MUSC-1000 Music Theory I
 - MUSC-1010 Music Theory II
 - MUSC-2000 Music Theory III
 - MUSC-2010 Music Theory IV
- Music Skills—6 credit hours
 - MUSC-1100 Music Skills I
 - MUSC-1110 Music Skills II
 - MUSC-2100 Music Skills III
 - MUSC-2110 Music Skills IV
- History—21 credit hours:
 - MUSC-1220 The Art of Music
 - MUSC-2220 Music History I
 - MUSC-2230 Music History II
 - 3 credit hours at the 2000-level and above
 - 9 credit hours at the 3000-level and above

Philosophy – 6 credit hours:

- PHIL-1000 The Task of Philosophy I: The Question of Reality
- PHIL-1010 The Task of Philosophy II: The Question of Knowledge
- MUSC-2150 Conducting Techniques I
- MUSC-3900 Readings in Musicology
- MUSC-4000 Senior Thesis
- Individual Applied Music Studies—12 credit hours
- Ensemble—8 credit hours
- Music electives—11 credit hours
- Non-music electives—6 credit hours

General Electives:

- As required to reach a total of 130 credit hours

Degree Regulations:

1. This program requires at least two years of auditioned choir, i.e., CMU Singers, CMU Chamber Choir, Women's Chorus or Men's Chorus.
2. Students must choose the "non-music electives" in consultation with the Program Chair.
3. The course distribution for this program must include at least six credit hours of course work in a minimum of four and a maximum of five subject fields.

17.1.4. Bachelor of Music, Concentration in Performance (majors in voice, piano, collaborative piano, and other instruments)

Admission Requirements for the Concentration:

- Application at the end of the second year in the B.Mus. degree program
- A minimum grade of "C" in MUSC-2010 and MUSC-2110
- Interview with a member of the Music faculty
- Normally a grade "A" in the relevant jury (which also serves as the audition) at the end of the second year of music studies

Graduation Requirements:

- 130 credit hours fulfilling the program requirements as specified below
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 130 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the music requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—3 credit hours

Church Music—3 credit hours
 Humanities—3 credit hours
 Social Science—3 credit hours
 Science—3 credit hours
 Humanities or Social Science from outside Music or Music Therapy—3 credit hours
 Practicum—3 credit hours
 Anabaptist—3 credit hours
 Indigenous—3 credit hours
 Making—3 credit hours
 Ways of Knowing II—3 credit hours
 Academic writing requirement

Music Requirements:

A minimum of 88 credit hours
 Theory—12 credit hours
 MUSC-1000 Music Theory I
 MUSC-1010 Music Theory II
 MUSC-2000 Music Theory III
 MUSC-2010 Music Theory IV
 Music Skills—6 credit hours
 MUSC-1100 Music Skills I
 MUSC-1110 Music Skills II
 MUSC-2100 Music Skills III
 MUSC-2110 Music Skills IV
 History—18 credit hours:
 MUSC-1220 The Art of Music
 MUSC-2220 Music History I
 MUSC-2230 Music History II
 3 credit hours at the 2000-level and above
 6 credit hours at the 3000-level and above
 MUSC-2150 Conducting Techniques I
 MUSC-3399 Recital I
 MUSC-4399 Recital II
 Ensemble—8 credit hours
 Individual Applied Music Studies—18-20 credit hours
 Requirements for a major as follows:
 Major in voice—16 credit hours
 MUSC-2145 Lyric Diction
 MUSC-2160 and 3160 Opera/Musical Theatre Workshop
 MUSC-3060 Vocal Pedagogy, Repertoire and Interpretation
 Language requirement—6 credit hours of German, French, or Italian
 Major in piano—7 credit hours
 MUSC-2132 and 3132 Collaborative Piano
 MUSC-3055 Piano Pedagogy, Repertoire and Interpretation
 Major in collaborative piano—13 credit hours
 MUSC-2145 Lyric Diction
 MUSC-2132 and 3132 Collaborative Piano
 MUSC-3055 Piano Pedagogy, Repertoire and Interpretation
 MUSC-3060 Vocal Pedagogy, Repertoire and Interpretation
 Major in another instrument—3 credit hours
 MUSC-3080 Directed Study in Pedagogy and Repertoire

Music electives—as required to reach a total of 88 credit hours in music courses

General Electives:

As required to reach a total of 130 credit hours

Degree Regulations:

1. Voice majors in the Performance Concentration must complete three years of CMU Chamber Choir or CMU Singers. All other majors must complete two years of CMU Chamber Choir, CMU Singers, Men's Chorus or Women's Chorus.
2. Voice students may count Opera/Musical Theatre Workshop (MUSC-2160/2) within their ensemble credits. Similarly, piano students may count Collaborative Piano (MUSC-2132 and 3132/2) as ensemble credit.
3. All piano performance programs include the study and performance of both solo and collaborative repertoire. The relative weighting of these depends on whether the student chooses the piano or the collaborative major.
4. Students must complete the eighteen to twenty credit hours of Individual Applied Music Studies on one instrument in the pattern of five credit hours per year over four years. Some exceptions will be allowed for students who complete only three credit hours of applied music in their first year.
5. The course distribution must include at least six credit hours of course work in a minimum of four and a maximum of five subject fields.

17.1.5. Bachelor of Music, Comprehensive Concentration

This program is suitable for students with considerable musical experience, and particularly for those planning for careers or further studies in music administration, music production, composition, performance in folk/jazz/pop styles.

Admission Requirements for the Concentration:

Application at the end of the second year in the B.Mus. degree program
 A minimum grade of "C" in MUSC-2010 and MUSC-2110
 Interview with a member of the Music faculty

Graduation Requirements:

130 credit hours fulfilling the program requirements as specified below
 A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 130 credit hours

Residency Requirements:

60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program

9 credit hours of the Ways of Knowing II and Theology requirements
30 credit hours of the major requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I
Theology—3 credit hours
Church Music—3 credit hours
Humanities—3 credit hours
Social Science—3 credit hours
Science—3 credit hours
Humanities or Social Science from outside Music or Music Therapy—3 credit hours
Practicum—3 credit hours
Anabaptist—3 credit hours
Indigenous—3 credit hours
Making—3 credit hours
Ways of Knowing II—3 credit hours
Academic writing requirement

Music Requirements:

A minimum of 86 credit hours
Theory—12 credit hours
MUSC-1000 Music Theory I
MUSC-1010 Music Theory II
MUSC-2000 Music Theory III
MUSC-2010 Music Theory IV
Music Skills—6 credit hours
MUSC-1100 Music Skills I
MUSC-1110 Music Skills II
MUSC-2100 Music Skills III
MUSC-2110 Music Skills IV
History—18 credit hours:
MUSC-1220 The Art of Music
MUSC-2220 Music History I
MUSC-2230 Music History II
3 credit hours at the 2000-level and above
6 credit hours at the 3000-level and above
MUSC-2150 Conducting Techniques I
Church Music—6 credit hours
Individual Applied Music Studies—12 credit hours
Ensemble—8 credit hours
Music electives—21 credit hours

General Electives:

As required to reach a total of 130 credit hours

Degree Regulations:

1. Students may include a maximum of 32 credit hours of ensemble and applied music credits in this program.
2. This program requires at least two years of auditioned choir (Women's Chorus or Men's Chorus fulfill the requirement).
3. Students must complete the twelve credit hours of Individual Applied Music Studies on one instrument in the pattern of three credit hours per year over four years. Any exceptions must be approved by the Program Chair.

4. The course distribution must include at least six credit hours of course work in a minimum of four and a maximum of five subject fields.

17.2. Bachelor of Music Therapy

Program Chair: Michelle Yaciuk, MMus

Music therapists use music in a skilful, systematic ways to promote positive changes in the mental, physical, emotional, or spiritual functioning of individuals and groups. Employment opportunities for music therapists exist in mental health facilities, nursing homes, hospitals, schools, group homes and many other settings. As well, many music therapists develop their own private practices. Music therapists are expected to be accomplished and versatile musicians with a solid grounding in the study of normal and abnormal human development in addition to their music therapy skills. Above and beyond the skills and techniques of music therapy, students at CMU gain an understanding of spirituality, ethics and counselling, invaluable to a career in any care profession.

17.2.1. Bachelor of Music Therapy, four-year

Admission Requirements:

Application at the end of the second year in the B.Mus. degree program
A minimum grade of "B" in MUSC-2010 and MUSC-2110, a minimum grade of "C+" in PSYC-1010 and 1020, and a minimum grade of "B+" in MUTH-2800
A successful interview and audition
Testing of competencies, including skills in keyboard, guitar, and voice. The results of this testing may indicate course requirements additional to those listed below

Graduation Requirements:

133 credit hours fulfilling the program requirements as specified below
A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 133 credit hours

Residency Requirements:

60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
9 credit hours of the Ways of Knowing II and Theology requirements
30 credit hours of the music therapy requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I
Theology—3 credit hours
Church Music—3 credit hours

Humanities—3 credit hours
 Social Science—3 credit hours
 Science—3 credit hours
 Humanities or Social Science from outside Music or
 Music Therapy—3 credit hours
 Practicum—3 credit hours
 Anabaptist—3 credit hours
 Indigenous—3 credit hours
 Making—3 credit hours
 Ways of Knowing II—3 credit hours
 Academic writing requirement

Music Requirements:

A minimum of 49 credit hours
 Theory—12 credit hours
 MUSC-1000 Music Theory I
 MUSC-1010 Music Theory II
 MUSC-2000 Music Theory III
 MUSC-2010 Music Theory IV
 Music Skills—6 credit hours
 MUSC-1100 Music Skills I
 MUSC-1110 Music Skills II
 MUSC-2100 Music Skills III
 MUSC-2110 Music Skills IV
 History—9 credit hours:
 MUSC-1220 The Art of Music
 MUSC-2220 Music History I
 MUSC-2230 Music History II
 MUSC-2150 Conducting Techniques I
 MUSC-2840 Percussion Techniques A
 MUSC-2860 Class Guitar
 Ensemble—4 credit hours
 Individual Applied Music Studies—12 credit hours

Research Requirement:

3 credit hours from:
 MUSC-4800 Research in Music Education and
 Therapy
 PSYC-2030 Research Design in Psychology
 PSYC/SOCI-2050 Introduction to Qualitative
 Research in the Social Sciences
 PSYC/SOCI-4030 Qualitative Inquiry in the Social
 Sciences

Music Therapy Requirements:

A minimum of 33 credit hours
 MUTH-2800 Introduction to Music Therapy
 MUTH-3801 Medical Music Therapy
 MUTH-3802 Music Psychotherapy
 MUTH-3803 Developmental Music Therapy
 MUTH-3804 Humanistic Music Therapy
 MUTH-3805 Clinical Musicianship I
 MUTH-3806 Clinical Musicianship II
 MUTH-3871 Observational and Clinical Skills
 MUTH-3881 Practicum I: Foundations of Clinical
 Practice
 MUTH-4805 Clinical Musicianship III
 MUTH-4806 Clinical Musicianship IV
 MUTH-4870 Practicum II: Exploring the Clinical
 Process

MUTH-4880 Practicum III: Senior Practicum
 MUTH-5800 Music Therapy Internship

Ancillary Requirements:

A minimum of 21 credit hours
 PSYC-1010 Introduction to Psychology I: Foundations
 PSYC-1020 Introduction to Psychology II: Individuals
 and Interactions
 PSYC-2400 Counselling Theories
 PSYC-3400 Abnormal Psychology
 BIOL-1360 Anatomy of the Human Body OR BIOL-
 1361 Human Anatomy and Physiology I
 3 credit hours from Developmental Psychology area
 3 credit hours from Developmental or Health
 Psychology areas

Additional Music and/or Psychology Elective

Music electives—6 credit hours
 Music or Psychology elective—3 credit hours

Degree regulations:

1. Students must meet the program requirements as stipulated for the year in which they gain admission to the program.
2. A grade of a C+ is the minimum course requirement for music therapy methods and practicum courses. Continuance in the program is prohibited until the minimum grade is achieved.
3. Students must include at least one credit hour of a choral ensemble (MUSC-X700, X701, X702) and one credit hour of a small ensemble.
4. Students may include a maximum of fifteen credit hours of individual applied music credits in this program.
5. Students must complete all other degree requirements before starting the internship.
6. The CMU Music faculty is responsible for upholding the standards of practice of the Music Therapy profession in order to ensure client safety. Music therapists work with people in a wide range of settings, with many different abilities and challenges. Within the therapist-client relationship, it is assumed that the therapist is in a state of physical and emotional health in order to address clients' needs in clinically suitable and appropriate ways. Continuance in the Music Therapy program will be contingent on adequate level of academic, clinical, and personal competencies as assessed by CMU Music Faculty each semester.

17.2.2. Bachelor of Music Therapy, two-year after-degree

Admission Requirements:

A completed Bachelor of Music degree or its equivalent with a minimum GPA of 2.5
 The equivalent of PSYC-1010 Introduction to Psychology I: Foundations AND PSYC-1020 Introduction to Psychology II: Individuals and Interactions

A successful interview and audition
Testing of competencies, including skills in keyboard, guitar, percussion, and voice. The results of this testing may indicate course requirements additional to those listed below

Graduation Requirements:

60 credit hours fulfilling the program requirements as specified below
A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 60 credit hours

Residency Requirements:

30 credit hours of the last 42 in the degree program
12 credit hours of Music Therapy, not including the practica or the internship

Music Therapy Requirements:

A minimum of 33 credit hours
MUTH-2800 Introduction to Music Therapy
MUTH-3801 Medical Music Therapy
MUTH-3802 Music Psychotherapy
MUTH-3803 Developmental Music Therapy
MUTH-3804 Humanistic Music Therapy
MUTH-3805 Clinical Musicianship I
MUTH-3806 Clinical Musicianship II
MUTH-3871 Observational and Clinical Skills
MUTH-3881 Practicum I: Foundations of Clinical Practice
MUTH-4805 Clinical Musicianship III
MUTH-4806 Clinical Musicianship IV
MUTH-4870 Practicum II: Exploring the Clinical Process
MUTH-4880 Practicum III: Senior Practicum
MUTH-5800 Music Therapy Internship

Ancillary Requirements:

A Minimum of 27 credit hours
Ensemble/Individual Applied Music Studies—3 credit hours
Advised Electives: Indigenous, Theology, or other—6 credit hours
Research Requirement—3 credit hours from:
MUSC-4800 Research in Music Education and Therapy
PSYC-2030 Research Design in Psychology
PSYC/SOCI-2050 Introduction to Qualitative Research in the Social Sciences
PSYC/SOCI-4030 Qualitative Inquiry in the Social Sciences
PSYC-2400 Counselling Theories
PSYC-3400 Abnormal Psychology
BIOL-1360 Anatomy of the Human Body OR BIOL-1361 Human Anatomy and Physiology I
3 credit hours from Developmental Psychology area
3 credit hours from Developmental or Health Psychology areas

Degree regulations:

1. Students must complete all other degree requirements before starting the internship.
2. A grade of a C+ is the minimum course requirement for music therapy methods and practicum courses. Continuance in the program is prohibited until the minimum grade is achieved.
3. Students must include three credit hours of individual applied music credits or ensemble on CMU campus as per audition results.
4. The advised electives are required or recommended upon admission by music therapy faculty to help each student develop their competencies. Examples of advised elective may include but is not limited to: Indigenous, Theology, IAMS, Music History, Psychology, Church Music, or Ways of Knowing II. These credits must be taken in residence.
5. The CMU Music faculty is responsible for upholding the standards of practice of the Music Therapy profession in order to ensure client safety. Music therapists work with people in a wide range of settings, with many different abilities and challenges. Within the therapist-client relationship, it is assumed that the therapist is in a state of physical and emotional health in order to address clients' needs in clinically suitable and appropriate ways. Continuance in the Music Therapy program will be contingent on adequate level of academic, clinical, and personal competencies as assessed by CMU Music Faculty each semester.

17.3. Music, Majors and Minor within the Bachelor of Arts

Program Chair: Michelle Yaciuk, MMus

17.3.1. Music Major, Four-year B.A.

Graduation Requirements:

120 credit hours fulfilling the program requirements as specified below
A minimum grade point average of 2.0 ("C") in the courses presented for the major
A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
9 credit hours of the Ways of Knowing II and Theology requirements
30 credit hours of the major requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I
Theology—6 credit hours
Humanities—3 credit hours

Social Science—3 credit hours
 Science—6 credit hours
 Practicum—6 credit hours
 Anabaptist—3 credit hours
 Indigenous—3 credit hours
 Making—3 credit hours
 Ways of Knowing II—6 credit hours
 Academic writing requirement

Major Requirements:

A minimum of 48 credit hours
 Theory—12 credit hours
 MUSC-1000 Music Theory I
 MUSC-1010 Music Theory II
 MUSC-2000 Music Theory III
 MUSC-2010 Music Theory IV
 Music Skills—6 credit hours
 MUSC-1100 Music Skills I
 MUSC-1110 Music Skills II
 MUSC-2100 Music Skills III
 MUSC-2110 Music Skills IV
 History—15 credit hours:
 MUSC-1220 The Art of Music
 MUSC-2220 Music History I
 MUSC-2230 Music History II
 Plus two of:
 MUSC-2250 History of Jazz OR MUSC-2260
 Worlds of Music
 MUSC-3200 Studies in Nineteenth-Century
 Music
 MUSC-3210 Studies in Eighteenth-Century
 Music
 MUSC-4200 Studies in Medieval and
 Renaissance Music
 MUSC-4210 Studies in Baroque Music
 MUSC-4220 Music Since 1945
 Individual Applied Music Studies—8 credit hours
 Ensemble—4 credit hours
 Music electives—3 credit hours at the 2000-level or
 above

General electives:

As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media

- skills) within the general electives, and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
 5. A student must earn a minimum grade of “C” in each of MUSC-1000, MUSC-1010 or MUSC-1220 to declare a major in this field.

17.3.2. Music Major, Three-year B.A.

Graduation Requirements:

90 credit hours fulfilling the program requirements as specified below
 A minimum grade point average of 2.0 (“C”) in the courses presented for the major
 A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 (“C”) in 90 credit hours

Residency Requirements:

30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
 9 credit hours of the Ways of Knowing II and Theology requirements
 18 credit hours of the major requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I
 Theology—6 credit hours
 Humanities—3 credit hours
 Social Science—3 credit hours
 Science—6 credit hours
 Practicum—6 credit hours
 Anabaptist—3 credit hours
 Indigenous—3 credit hours
 Making—3 credit hours
 Ways of Knowing II—6 credit hours
 Academic writing requirement

Major Requirements:

A minimum of 30 credit hours
 Theory—6 cr. Hrs.
 MUSC-1000 Music Theory I
 MUSC-1010 Music Theory II
 Music Skills—3 cr. Hrs.
 MUSC-1100 Music Skills I
 MUSC-1110 Music Skills II
 History—9 cr. Hrs.
 MUSC-1220 The Art of Music
 MUSC-2220 Music History I
 MUSC-2230 Music History II
 Individual Applied Music Studies—6 credit hours
 Ensemble—3 credit hours
 Music Electives—3 credit hours at the 2000-level or above.

General electives:

As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires minimum forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills) within the general electives, and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in each of MUSC-1000, MUSC-1010, or MUSC-1220 to declare a major in this field.

17.3.3. Music Minor, Four- and Three-year B.A.

Requirements:

- A minimum of 18 credit hours
- A minimum of 12 credit hours in residence
- MUSC-1000 Music Theory I or MUSC/COMM-3010 Music Production
- MUSC-1220 The Art of Music
- 3 credit hours of ensembles or applied music studies.
- Music electives— 9 credit hours, including a minimum of 6 credit hours at the 2000-level or above.
- Music electives cannot be fulfilled using ensemble or applied music credits.

Notes:

1. Students completing the minor in music are not required to complete the corequisites for the music theory courses, namely, MUSC-1100 and 1110 Music Skills I & II.

18. Peace and Conflict Transformation Studies, Majors and Minor within the Bachelor of Arts

Program Chair: Ray Vander Zaag, PhD

In this interdisciplinary field, students will gain an understanding of the nature and dynamics of human conflict and will consider alternative ways of dealing with conflict that develop healthy relationships and prevent violence. Conflicts, from interpersonal to international, are analyzed from an interdisciplinary perspective together with topics such as violence, power, justice, peace, communication, culture, conflict transformation, and dispute resolution. Studies in Peace and Conflict Transformation will prepare students to understand and interact constructively in response to personal, local, and global conflict situations.

18.1. Peace and Conflict Transformation Studies Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 48 credit hours
- 36 credit hours required at the 2000-level and above

- PCTS-1110 Introduction to Peace and Conflict Transformation
 PCTS-3100 Models for Peace and Conflict Transformation
 PCTS-3120 Cultures of Violence, Cultures of Peace
 IDS/PCTS/POLS/SOCI-4100 Senior Seminar in Social Change
 Peace Skills courses—3 credit hours
 Two of the following:
 ANTH-1610 Cultural Anthropology
 PSYC-1010 Intro to Psychology I – Foundations
 PSYC-1020 Intro to Psychology II – Individuals and Interaction
 SOCI-1110 Introduction to Sociology
 POLS-1010 Global Politics
 POLS-1000 Democracy and Dissent
 INDS- 1050 Indigenous Peoples of Canada
 IDS-1110 Introduction to International Development Studies
 ENVS/GEOG-1030 Introduction to Environmental Studies
 One of the following:
 PSYC-2030 Research Design in Psychology
 PSYC/SOCI-2050 Introduction to Qualitative Research in the Social Sciences
 PSYC/SOCI-4030 Qualitative Inquiry in the Social Sciences
 12 credit hours of courses with a PCTS prefix (excluding Peace Skills courses)
 6 credit hours of Area Courses (see additional notes regarding the major)
 6 credit hours of electives drawn from PCTS-prefix courses, Introduction courses, Area Courses, or Peace Skills courses. A maximum of 3 credit hours of Peace Skills credits can be included in the electives.

General electives:

As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and

practical skills does not exceed twenty-one credit hours.

4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in PCTS-1110 to declare a major in this field.

Additional notes regarding the major:

1. The list of Peace Skills workshops identifies examples of workshops that may be available to students. Students should consult with the Program Chair for assistance in choosing workshops.
2. The practicum must relate to the major in PCTS. Completion of PRAC-3710 Peace and Conflict Transformation Studies Intensive Practicum, fulfills this requirement. Other options for the fulfillment of this requirement are also available. For more details, see the Director of Practica.
3. Peace and Conflict Transformation area courses:
 ANTH-1610 Cultural Anthropology
 BTS-2230 Biblical Perspectives on Peace and Justice
 BTS-2720 Theologies of the Global South
 BTS-2750 Introduction to Christian Ethics
 BTS-2780 Political Theology
 BTS-3370 Pastoral Care and Counselling
 BUSI/PSYC-2020 Organizational Behaviour
 BUSI-2030 Management and Organizational Theory
 BUSI/POLS-2500 Social Entrepreneurship
 BUSI-3300 Not-for-Profit Management
 COMM-2010 Digital Video Storytelling
 COMM-3020 Group Communication and Creative Process
 COMM-3030 Public Relations
 ENGL-3800 Reading Culture
 ENGL-4200 Revenge
 HIST/INDS-2040 History of Indigenous Peoples of Canada
 HIST-2060 Religion and Conflict in Historical Perspective
 IDS-2171 Crisis, Humanitarian Aid, and Disaster Recovery
 ENVS/IDS/GEOG-3010 Environment, Society, and Resilience
 IDS-2110 Participatory Local Development
 IDS-3111 An Analysis of Development Aid Policy
 IDS/ENVS/SOCI-3521 Study of Simple Living
 IDS-4130 Mennonite Community and Development
 IDS-4140 Religion and Development
 MATH-3050 Dynamical Chaos Theory
 PHIL-2020 Postmodern Philosophy
 POLS/COMM/SOCI-3000 Politics, Society, and Mass Media
 POLS/SOCI/PHIL-2600 Social and Political Philosophy
 POLS-2120 Peace and Conflict in World Politics
 POLS-2200 Human Rights and Dignity

POLS-2300 Canadian Political Issues
 BUSI/PSYC-3000 Organizational Leadership
 PSYC/SOCI-2700 Interpersonal Communication
 PSYC-2110 Social Relationships and Behaviour
 PSYC-2400 Counselling Theories
 PSYC-2410 Counselling Techniques
 SOCI/POLS-2000 Social Welfare
 SOCI-2020 Communities and Organizations
 SOCI-2030 Inter-cultural Theory and Practice
 SOCI-2060 Sociology of Gender

18.2. Peace and Conflict Transformation Studies Major, Three-year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 24 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- Major Requirements
- A minimum of 36 credit hours
- PCTS-1110 Introduction to Peace and Conflict Transformation
- PCTS-3100 Models for Peace and Conflict Transformation
- PCTS-3120 Cultures of Violence, Cultures of Peace
- Peace Skills courses—3 credit hours

Two of the following:

- ANTH-1610 Cultural Anthropology
- PSYC-1010 Intro to Psychology I: Foundations
- PSYC-1020 Intro to Psychology II: Individuals and Interaction
- SOCI-1110 Introduction to Sociology

POLS-1010 Global Politics
 POLS-1000 Democracy and Dissent
 INDS- 1050 Indigenous Peoples of Canada
 IDS-1110 Introduction to International Development Studies
 ENVS/GEOG-1030 Introduction to Environmental Studies

- 9 credit hours of courses with a PCTS prefix (excluding Peace Skills courses)
- 6 credit hours of Area Courses (see additional notes regarding the major)
- 3 credit hours of electives drawn from PCTS-prefix courses, Introduction courses, Area Courses, or Peace Skills courses. A maximum of 3 credit hours of Peace Skills credits can be included in the electives.

General electives:

As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills do not exceed eighteen credit hours.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in PCTS-1110 to declare a major in this field.

Additional notes regarding the major:

1. The list of Peace Skills workshops identifies examples of workshops that may be available to students. Students should consult with the Program Chair for assistance in choosing workshops.
2. The practicum must relate to the major in PCTS. Completion of PRAC-3710 Peace and Conflict Transformation Studies Intensive Practicum, fulfills this requirement. Other options for the fulfillment of this requirement are also available. For more details, see the Director of Practica.
3. Peace and Conflict Transformation area courses:

ANTH-1610 Cultural Anthropology
 BTS-2230 Biblical Perspectives on Peace and Justice
 BTS-2720 Theologies of the Global South
 BTS-2750 Introduction to Christian Ethics
 BTS-2780 Political Theology
 BTS-3370 Pastoral Care and Counselling
 BUSI/PSYC-2020 Organizational Behaviour
 BUSI-2030 Management and Organizational Theory
 BUSI/POLS-2500 Social Entrepreneurship
 BUSI-3300 Not-for-Profit Management
 COMM-2010 Digital Video Storytelling
 COMM-3020 Group Communication and Creative
 Process
 COMM-3030 Public Relations
 ENGL-3800 Reading Culture
 ENGL-4200 Revenge
 HIST/INDS-2040 History of Indigenous Peoples of
 Canada
 HIST-2060 Religion and Conflict in Historical
 Perspective
 IDS-2171 Crisis, Humanitarian Aid, and Disaster
 Recovery
 ENVS/IDS/GEOG-3010 Environment, Society, and
 Resilience
 IDS-2110 Participatory Local Development
 IDS-3111 An Analysis of Development Aid Policy
 IDS/ENVS/SOCI-3521 Study of Simple Living
 IDS-4130 Mennonite Community and Development
 IDS-4140 Religion and Development
 MATH-3050 Dynamical Chaos Theory
 PHIL-2020 Postmodern Philosophy
 POLS/COMM/SOCI-3000 Politics, Society, and Mass
 Media
 POLS/SOCI/PHIL-2600 Social and Political Philosophy
 POLS-2120 Peace and Conflict in World Politics
 POLS-2200 Human Rights and Dignity
 POLS-2300 Canadian Political Issues
 BUSI/PSYC-3000 Organizational Leadership
 PSYC/SOCI-2700 Interpersonal Communication
 PSYC-2110 Social Relationships and Behaviour
 PSYC-2400 Counselling Theories
 PSYC-2410 Counselling Techniques
 SOCI/POLS-2000 Social Welfare
 SOCI-2020 Communities and Organizations
 SOCI-2030 Inter-cultural Theory and Practice
 SOCI-2060 Sociology of Gender

18.3. Peace and Conflict Transformation Studies Minor, Four- and Three- year B.A.

Requirements:

A minimum of 18 credit hours
 A minimum of 12 credit hours in residence
 PCTS-1110 Introduction to Peace and Conflict
 Transformation
 15 credit hours of courses with a PCTS prefix, with a
 maximum of 3 credit hours in Peace Skills courses.

Philosophy, Majors and Minor within the Bachelor of Arts

Program Chair: Chris Huebner, PhD

Philosophy, in its traditional sense, is understood as the love of wisdom. In its modern form, philosophy is a search for general theoretical explanations in an attempt to answer certain basic questions: what is real? (Metaphysics); what can I know? (Epistemology); what should I do? (Ethics). Philosophy at CMU, while it explores aspects related to each of these questions, also involves the ongoing task of rethinking the very idea of philosophy itself. In particular, it investigates the philosopher's desire for general explanations, and seeks instead to explore philosophies as ways of life. Of special interest is how all of this relates to that peculiar way of life called church. Such an enquiry will approach philosophy historically and contextually rather than as a series of answers to abstract theoretical questions, which suggests that philosophy is best understood in its more traditional sense as the love of wisdom. Studies in Philosophy will equip students with skills essential for many pursuits, including careers in post-secondary education, law, government, policy-making, and administration.

18.4. Philosophy Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 24 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 48 credit hours
- A minimum of 15 credit hours at the 3000-level or higher
- PHIL-1000 The Task of Philosophy I: The Question of Reality
- PHIL-1010 The Task of Philosophy II: The Question of Knowledge
- Philosophy electives—42 credit hours

General electives:

- As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in PHIL-1000 and PHIL-1010 to declare a major in this field.

18.5. Philosophy Major, Three-year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 18 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I

Theology—6 credit hours
 Humanities—3 credit hours
 Social Science—3 credit hours
 Science—6 credit hours
 Practicum—6 credit hours
 Anabaptist—3 credit hours
 Indigenous—3 credit hours
 Making—3 credit hours
 Ways of Knowing II—6 credit hours
 Academic writing requirement

Major Requirements:

A minimum of 30 credit hours
 A minimum of 6 credit hours at the 3000-level or higher
 PHIL-1000 The Task of Philosophy I: The Question of Reality
 PHIL-1010 The Task of Philosophy II: The Question of Knowledge
 Philosophy electives—24 credit hours

General electives:

As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in PHIL-1000 and PHIL-1010 to declare a major in this field.

18.6. Philosophy Minor, Four- or Three-year B.A.

Requirements:

A minimum 18 credit hours
 A minimum of 12 credit hours in residence
 PHIL-1000 The Task of Philosophy I: The Question of Reality
 PHIL-1010 The Task of Philosophy II: The Question of Knowledge
 Philosophy Electives—12 credit hours, including 6 credit hours at the 2000-level or above

19. Political Studies, Majors and Minor within the Bachelor of Arts

Program Chair: James Magnus-Johnston, MPhil

Political Studies at CMU addresses power and inequalities among people, communities, and states. Students examine obstacles to fostering God's Kingdom on earth. They explore how the state, other institutions, roles and relationships, technologies, bodies of knowledge, and practices of culture and citizenship facilitate or compromise the goals of justice, peace, and human dignity. A close study of the classic texts, concepts, methodologies, and assumptions of Political Studies provides a basis for further inquiry. With this foundation, critical insights and alternative approaches from within and beyond the discipline can be fruitfully assessed. Political Studies prepares students for careers, leadership, advocacy, and management in such fields as research, social work, law, business, public administration, international development, foreign affairs, community organizing, and journalism.

19.1. Political Studies Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 24 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 48 credit hours
- A minimum of 15 credit hours at the 3000-level or higher, including 6 credit hours at the 4000-level.
- POLS-1000 Democracy and Dissent
- POLS-1010 Global Politics
- POLS/SOCI/PHIL-2600 Social & Political Philosophy
- Area courses: 24 credit hours, including at least 3 credit hours in each of four of the following areas:
 - World Politics
 - Comparative Politics of the South
 - Comparative Politics of the North
 - Gender and Identity Politics
 - Political Theory and Methodology
- Political Studies electives: 15 credit hours

General electives:

- As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in POLS-1000 and POLS-1010 to declare a major in this field.

Additional notes regarding the major:

1. Students in this program are encouraged to complete a practicum relevant to Political Studies.
2. In order to enhance its interdisciplinary nature, this major may include up to twelve credit hours from the following lists of courses from outside Political Studies. Several of these courses have Prerequisite that students must fulfill.

World Politics:

- ANTH-1610 Cultural Anthropology
- BTS-3720 Peace and War in Christian History
- ECON/IDS/POLS-2420 Economics of Social Change
- HIST-1000 History of the West in Global Context I
- HIST-1010 History of the West in Global Context II

HIST-2060 Religion and Conflict in Historical Perspective
 PCTS-2810 History and Strategies of Non-violence
 PCTS-2820 Aggression, Violence, and War in a Social-Scientific Perspective

Comparative Politics of the South (Development):
 ECON/IDS-2010 Economics of Development
 HIST/IDS-2070 History of the Developing World
 IDS-1110 Introduction to International Development Studies
 IDS-2110 Participatory Local Development
 IDS-2171 Crisis, Humanitarian Aid, and Disaster Recovery
 IDS-2183 African Development Issues
 IDS-2184 Asia/Pacific Development Issues
 IDS-2185 Latin American/Caribbean Development Issues
 IDS-3111 An Analysis of Development Aid Policy

Comparative Politics of the North:
 HIST-2020 History of Colonial Canada
 HIST-2030 History of the Canadian Nation since 1867
 HIST/INDS-2040 History of Indigenous Peoples of Canada
 IDS-2350 Indigenous People and the Industrial State
 PCTS-2221 Restorative Justice
 PCTS-2421 Legal Systems and Alternative Dispute Resolution
 PCTS/IDS-2443 Conflict and Development Issues in Indigenous Communities

Gender and Identity Politics:
 BTS/SOCI-2920 Gender, Sexuality, and Theology
 PCTS-3242 Women and Peacemaking

Political Theory and Methodology:
 BTS-2780 Political Theology
 BTS-2800 Theology of Peace and Justice
 BTS-3450 Theologies of Power
 COMM-3030 Public Relations
 ECON-2410 History of Economic Thought—Micro-economics
 IDS/PCTS-3920 Action Research Methods
 MATH-1000 Basic Statistical Analysis
 PCTS-1110 Introduction to Peace and Conflict Transformation
 PCTS-3120 Cultures of Violence, Cultures of Peace
 PCTS/PHIL-3800 Whose Violence? Which Peace?
 PCTS-3850 Just War Traditions
 PHIL-1000 The Task of Philosophy I: The Question of Reality
 PHIL-1010 The Task of Philosophy II: The Question of Knowledge
 PHIL-2020 Postmodern Philosophy

19.2. Political Studies Major, Three-year B.A.

Graduation Requirements:

90 credit hours fulfilling the program requirements as specified below
 A minimum grade point average of 2.0 ("C") in the courses presented for the major
 A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
 9 credit hours of the Ways of Knowing II and Theology requirements
 18 credit hours of the major requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I
 Theology—6 credit hours
 Humanities—3 credit hours
 Social Science—3 credit hours
 Science—6 credit hours
 Practicum—6 credit hours
 Anabaptist—3 credit hours
 Indigenous—3 credit hours
 Making—3 credit hours
 Ways of Knowing II—6 credit hours
 Academic writing requirement

Major Requirements:

A minimum of 30 credit hours
 A minimum of 9 credit hours at the 3000-level or higher.
 POLS-1000 Democracy and Dissent
 POLS-1010 Global Politics
 POLS/SOCI/PHIL-2600 Social & Political Philosophy
 Area courses: 3 credit hours in each of four of the following areas:
 World Politics
 Comparative Politics of the South
 Comparative Politics of the North
 Gender and Identity Politics
 Political Theory and Methodology
 Political Studies electives: 9 credit hours

General electives:

As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.

2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in POLS-1000 and POLS-1010 to declare a major in this field.

Additional notes regarding the major:

1. Students in this major are encouraged to complete a practicum relevant to Political Studies.
2. In order to enhance its interdisciplinary nature, this major may include up to nine credit hours from the following lists of courses from outside Political Studies. Several of these courses have Prerequisite that students must fulfill.

World Politics:

ANTH-1610 Cultural Anthropology
 BTS-3720 Peace and War in Christian History
 ECON/IDS/POLS-2420 Economics of Social Change
 HIST-1000 History of the West in Global Context I
 HIST-1010 History of the West in Global Context II
 HIST-2060 Religion and Conflict in Historical Perspective
 PCTS-2810 History and Strategies of Non-Violence
 PCTS-2820 Aggression, Violence, and War in a Social-Scientific Perspective

Comparative Politics of the South (Development):

ECON/IDS-2010 Economics of Development
 HIST/IDS-2070 History of the Developing World
 IDS-1110 Introduction to International Development Studies
 IDS-2110 Participatory Local Development
 IDS-2171 Crisis, Humanitarian Aid, and Disaster Recovery
 IDS-2183 African Development Issues
 IDS-2184 Asia/Pacific Development Issues
 IDS-2185 Latin American/Caribbean Development Issues
 IDS-3111 An Analysis of Development Aid Policy

Comparative Politics of the North:

HIST-2020 History of Colonial Canada
 HIST-2030 History of the Canadian Nation since 1867
 HIST/INDS-2040 History of Indigenous Peoples of Canada
 IDS-2350 Indigenous People and the Industrial State
 PCTS-2221 Restorative Justice

PCTS-2421 Legal Systems and Alternative Dispute Resolution
 PCTS/IDS-2443 Conflict and Development Issues in Indigenous Communities

Gender and Identity Politics:

BTS/SOCI-2920 Gender, Sexuality, and Theology
 PCTS-3242 Women and Peacemaking

Political Theory and Methodology:

BTS-2780 Political Theology
 BTS-2800 Theology of Peace and Justice
 BTS-3450 Theologies of Power
 COMM-3030 Public Relations
 ECON-2410 History of Economic Thought—Micro-economics
 IDS/PCTS-3920 Action Research Methods
 MATH-1000 Basic Statistical Analysis
 PCTS/PHIL-3800 Whose Violence? Which Peace?
 PCTS-1110 Introduction to Peace and Conflict Transformation
 PCTS-3120 Cultures of Violence, Cultures of Peace
 PCTS-3850 Just War Traditions
 PHIL-1000 The Task of Philosophy I: The Question of Reality
 PHIL-1010 The Task of Philosophy II: The Question of Knowledge
 PHIL-2020 Postmodern Philosophy

19.3. Political Studies Minor, Four-year and Three-year B.A.

Requirements:

A minimum of 18 credit hours
 A minimum of 12 credit hours in residence
 A minimum of 12 credit hours at the 2000-level or higher
 POLS-1000 Democracy and Dissent
 POLS-1010 Global Politics
 A minimum of 3 credit hours from three of the following areas:
 World Politics
 Comparative Politics of the South
 Comparative Politics of the North
 Gender and Identity Politics
 Political Theory

Note: All courses must be Political Studies courses, i.e., course with a prefix of POLS.

20. Psychology, Majors and Minor within the Bachelor of Arts

Program Chair: Delmar Epp, PhD

Students of Psychology are invited to explore many facets of human experience, from development, learning, and memory to social interactions and the physiological underpinnings of these phenomena. Study in Psychology offers a more thorough understanding of oneself and others. At CMU, the Psychology program offers the explicit opportunity to consider critically various points of contact between psychology and faith. Skills useful in counselling, teaching, business, ministry, or higher-level study will be fostered.

20.1. Psychology Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 48 credit hours
- A minimum of 9 credit hours at the 3000-level or higher
- PSYC-1010 Introduction to Psychology I: Foundations
- PSYC-1020 Introduction to Psychology II: Individuals and Interactions
- PSYC-2030 Research Design in Psychology
- PSYC-2040 Research Analysis in Psychology

Area courses—3 credit hours from each of the following areas:

- Brain and Cognition
- Social processes
- Development
- Health Psychology

Psychology electives—24 credit hours

General electives:

As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in PSYC-1010 and PSYC-1020 to declare a major in this field.

Additional notes regarding the major:

1. Normally students will take PSYC-2030 and PSYC-2040 during the second year of the program.
2. Students must consult with the Program Chair in psychology when choosing courses to fulfill the requirements for area courses.
3. Students are encouraged to select courses in biology (anatomy or physiology), mathematics, or computer science to meet the science requirement of the B.A.
4. Students are encouraged to complete six credit hours of social sciences in addition to the courses in this major.

20.2. Psychology Major, Three-year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major

A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 18 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 30 credit hours
- PSYC-1010 Introduction to Psychology I: Foundations
- PSYC-1020 Introduction to Psychology II: Individuals and Interactions
- PSYC-2030 Research Design in Psychology
- PSYC-2040 Research Analysis in Psychology
- Area courses—3 credit hours from three of the following areas:
 - Brain and Cognition
 - Social processes
 - Development
 - Health Psychology
- Psychology electives—9 credit hours

General electives:

As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.

4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.

5. A student must earn a minimum grade of "C" in PSYC-1010 and PSYC-1020 to declare a major in this field.

Additional notes regarding the major:

1. Normally students will take PSYC-2030 and PSYC-2040 during the second year of the program.
2. Students must consult with the Program Chair in psychology when choosing courses to fulfill the requirement for area courses.
3. Students are encouraged to select courses in biology (anatomy or physiology), mathematics, or computer science to meet the science requirement of the B.A.

20.3. Psychology Minor, Four-year and Three-year B.A.

Requirements:

- A minimum of 18 credit hours
- A minimum of 12 credit hours in residence
- PSYC-1010 Introduction to Psychology I: Foundations
- PSYC-1020 Introduction to Psychology II: Individuals and Interactions
- Area courses—3 credit hours from two of the following areas:
 - Brain and Cognition
 - Social processes
 - Development
 - Health Psychology
- Psychology electives—6 credit hours

21. Social Science, Majors, Concentrations, and Minors within the Bachelor of Arts

The Social Science major is an interdisciplinary major, available in either the four-year or the three-year Bachelor of Arts. Students may choose to include one of the following concentrations within either the four-year or the three-year major:

- Counselling Studies
- Intercultural Studies
- Social Service

Alternatively, students may complete a minor in any of the three areas listed above, to present with majors other than the interdisciplinary Social Science majors.

21.1. Social Science Major, Four-year or Three-year B.A.

Program Advisor: Delmar Epp, PhD

21.1.1. Social Science Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 48 credit hours
- A minimum of 30 credit hours at the 2000-level or above, including 12 credit hours at the 3000-level or above
- Twelve credit hours from the following:
 - ANTH-1610 Cultural Anthropology
 - ECON-1000 Introduction to Macro-economics
 - ECON-1010 Introduction to Micro-economics
 - GEOG-1010 Introduction to Human Geography
 - ENVS/GEOG-1030 Introduction to Environmental Studies
 - HIST-1000 History of the West in Global Context I
 - HIST-1010 History of the West in Global Context II
 - IDS-1110 Introduction to International Development Studies
 - PCTS-1110 Introduction to Peace and Conflict Transformation
 - POLS-1000 Democracy and Dissent
 - POLS-1010 Global Politics
 - PSYC-1010 Introduction to Psychology I: Foundations
 - PSYC-1020 Introduction to Psychology II: Individuals and Interactions
 - SOCI-1110 Introduction to Sociology
- Social Science electives— 36 credit hours, including 6 credit hours in each of two subject fields

General electives:

- As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in six credit hours of introductory Social Science to declare a major in this field.

Additional note regarding the major:

Social science electives include all courses that CMU offers in the fields of Anthropology, Economics, Geography, History, Indigenous Studies, International Development Studies, History, Peace and Conflict Transformation Studies, Political Studies, Psychology, and Sociology.

21.1.2. Social Science Major, Three-year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 24 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I
- Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major Requirements:

- A minimum of 36 credit hours
- A minimum of 18 credit hours at the 2000-level or above, including 6 credit hours at the 3000-level or above
- Twelve credit hours from the following:
 - ANTH-1610 Cultural Anthropology
 - ECON-1000 Introduction to Macro-economics
 - ECON-1010 Introduction to Micro-economics
 - GEOG-1010 Introduction to Human Geography
 - ENVS/GEOG-1030 Introduction to Environmental Studies
 - HIST-1000 History of the West in Global Context I
 - HIST-1010 History of the West in Global Context II
 - IDS-1110 Introduction to International Development Studies
 - PCTS-1110 Introduction to Peace and Conflict Transformation
 - POLS-1000 Democracy and Dissent

POLS-1010 Global Politics

PSYC-1010 Introduction to Psychology I: Foundations

PSYC-1020 Introduction to Psychology II: Individuals and Interactions

SOCI-1110 Introduction to Sociology

Social Science electives— 24 credit hours, including six credit hours in each of two subject fields.

General electives:

As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in six credit hours of introductory Social Science to declare a major in this field.

Additional note regarding the major:

Social science electives include all courses that CMU offers in the fields of Anthropology, Economics, Geography, History, Indigenous Studies, International Development Studies, Peace and Conflict Transformation Studies, Political Studies, Psychology, and Sociology.

21.2. Counselling Studies, Concentration within the Social Science Major, or Minor within the B.A.

Program Advisor: Delmar Epp, PhD

Our culture invites an individual focus, emphasizing individual efforts and successes. Though we were intended to experience life within relationship, we are not necessarily trained or practiced in developing or maintaining healthy relationships. Within the counselling concentration, students will develop skills that foster personal and relational health—empathic listening and understanding, together with communication skills that will be of benefit in the workplace and in any mentoring or pastoral role. Students will also learn about techniques and theoretical frameworks employed in various forms of therapeutic practice, including clinical and pastoral settings. Those considering further professional study in counselling or psychotherapy will find opportunity to discern their interest and aptitudes for these career directions.

21.2.1. Counselling Studies, Concentration within the Social Science Major, Four- year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major and concentration Requirements:

- A minimum of 48 credit hours
- A minimum of 30 credit hours at the 2000-level or above, including 12 credit hours at the 3000-level or above
- Twelve credit hours as follows:
 - PSYC-1010 Introduction to Psychology I: Foundations
 - PSYC-1020 Introduction to Psychology II: Individuals and Interactions
 - Plus six credit hours from:
 - HIST-1000 History of the West in Global Context I
 - HIST-1010 History of the West in Global Context II
 - IDS-1110 Introduction to International Development Studies
 - PCTS-1110 Introduction to Peace and Conflict Transformation
 - POLS-1000 Democracy and Dissent
 - POLS-1010 Global Politics
 - SOCI-1110 Introduction to Sociology

A concentration of 18 credit hours as follows:

- PSYC-2400 Counselling Theories
- PSYC-2410 Counselling Techniques
- PSYC/SOCI-2700 Interpersonal Communication
- PSYC-3400 Abnormal Psychology
- Six credit hours from the following:
 - BTS-3370 Pastoral Care and Counselling
 - PSYC-2100 Social Cognition and Influence
 - PSYC-2110 Social Relationships and Behaviour
 - PSYC-2200 Developmental Psychology—Childhood
 - PSYC-2210 Developmental Psychology—Adolescence
 - PSYC-2220 Developmental Psychology—Adulthood
 - PSYC-3800 Psychology and Christianity
- Social science electives—18 credit hours

General electives:

- As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of

practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills does not exceed twenty-one credit hours.

4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in six credit hours of introductory Social Science to declare a major in this field.

Additional notes regarding the major and concentration:

1. Social science electives include all courses that CMU offers in the fields of Anthropology, Economics, Geography, History, Indigenous Studies, International Development Studies, History, Peace and Conflict Transformation Studies, Political Studies, Psychology, and Sociology.
2. Students who choose this major and concentration must complete a practicum relevant to Counselling Studies.

21.2.2. Counselling Studies, Concentration within the Social Science Major, Three-year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 24 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major and concentration Requirements:

- A minimum of 36 credit hours
- A minimum of 18 credit hours at the 2000-level or above, including 6 credit hours at the 3000-level or above
- Twelve credit hours selected from:
 - PSYC-1010 Introduction to Psychology I: Foundations
 - PSYC-1020 Introduction to Psychology II: Individuals and Interactions
- Plus six credit hours from:
 - HIST-1000 History of the West in Global Context I
 - HIST-1010 History of the West in Global Context II
 - IDS-1110 Introduction to International Development Studies
 - PCTS-1110 Introduction to Peace and Conflict Transformation
 - POLS-1000 Democracy and Dissent
 - POLS-1010 Global Politics
 - SOCI-1110 Introduction to Sociology
- A concentration of 18 credit hours as follows:
 - PSYC-2400 Counselling Theories
 - PSYC-2410 Counselling Techniques
 - PSYC/SOCI-2700 Interpersonal Communication
 - PSYC-3400 Abnormal Psychology
- Six credit hours from the following:
 - BTS-3370 Pastoral Care and Counselling
 - PSYC-2100 Social Cognition and Influence
 - PSYC-2110 Social Relationships and Behaviour
 - PSYC-2200 Developmental Psychology—Childhood
 - PSYC-2210 Developmental Psychology—Adolescence
 - PSYC-2220 Developmental Psychology—Adulthood
 - PSYC-3800 Psychology and Christianity
- Social science electives—6 credit hours

General electives:

- As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000,

this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills do not exceed eighteen credit hours.

4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in six credit hours of introductory Social Science to declare a major in this field.

Additional notes regarding the major and concentration:

1. Social science electives include all courses that CMU offers in the fields of Anthropology, Economics, Geography, History, Indigenous Studies, International Development Studies, History, Peace and Conflict Transformation Studies, Political Studies, Psychology, and Sociology.
2. Students who choose this major and concentration must complete a practicum relevant to Counselling Studies.

21.2.3. Counselling Studies, Minor within the Four-year or the Three-year B.A.

Requirements:

- A minimum of 18 credit hours
- A minimum of 12 credit hours in residence
- PSYC-1010 Introduction to Psychology I: Foundations
- PSYC-1020 Introduction to Psychology II: Individuals and Interactions
- PSYC-2400 Counselling Theories
- PSYC-2410 Counselling Techniques
- At least 6 credit hours from:
 - BTS-3370 Pastoral Care and Counselling
 - PSYC-2100 Social Cognition and Influence
 - PSYC-2110 Social Relationships and Behaviour
 - PSYC-2200 Developmental Psychology—Childhood
 - PSYC-2210 Developmental Psychology—Adolescence
 - PSYC-2220 Developmental Psychology—Adulthood
 - PSYC/SOCI-2700 Interpersonal Communication
 - PSYC-3400 Abnormal Psychology
 - PSYC-3800 Psychology and Christianity

21.3. Intercultural Studies, Concentration within the Social Science Major, and Minor within the B.A.

Program Advisor: Delmar Epp, PhD

Culture shapes identity and meaning; it is the astonishing substance of both social continuity and change. All of our social experience, including the patterns of our ideas and creative expression, communications, relationships, and institutions over history, constitutes the substance of culture. Intercultural Studies explore the interface between cultures—what happens when people or elements of different cultures meet, collide or conflict. In a world of travel, immigration, globalization, international violence, population displacement, and fusion cultures, Intercultural Studies is taking on new significance. It provides an interdisciplinary context for critical engagement and competency enhancement across the social sciences. This concentration is particularly relevant for those considering or returning to overseas contexts, those anticipating work or further study in the Social Sciences, journalism, formal and informal education, peacemaking, Sociology, Anthropology, and Communications.

21.3.1. Intercultural Studies, Concentration within the Social Science Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 (“C”) in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 (“C”) in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours

Making—3 credit hours
 Ways of Knowing II—6 credit hours
 Academic writing requirement

Major and concentration Requirements:

A minimum of 48 credit hours
 A minimum of 30 credit hours at the 2000-level or above, including 12 credit hours at the 3000-level or above

Twelve credit hours as follows:

ANTH-1610 Cultural Anthropology

Nine credit hours from the following:

GEOG-1010 Introduction to Human

Geography

HIST-1000 History of the West in Global

Context I

HIST-1010 History of the West in Global Context II

IDS-1110 Introduction to International

Development Studies

PCTS-1110 Introduction to Peace and Conflict

Transformation

POLS-1000 Democracy and Dissent

POLS-1010 Global Politics

PSYC-1010 Introduction to Psychology I:

Foundations

PSYC-1020 Introduction to Psychology II:

Individuals and Interactions

SOCI-1110 Introduction to Sociology

A concentration of 18 credit hours as follows:

PSYC/SOCI-2700 Interpersonal Communication

SOCI-2030 Inter-cultural Theory and Practice

Twelve credit hours from the following, including

at least six credit hours from Group A:

Group A

HIST-2020 History of Colonial Canada

HIST-2030 History of the Canadian Nation

Since 1867

HIST/INDS-2040 History of Indigenous Peoples

of Canada

HIST-2060 Religion and Conflict in Historical

Perspective

HIST/IDS-3020 History of Globalization

IDS-2110 Participatory Local Development

IDS-2171 Crisis, Humanitarian Aid, and

Disaster Recovery

IDS-2183 African Development Issues

IDS-2184 Asia/Pacific Development Issues

IDS-2185 Latin American/Caribbean

Development Issues

IDS-3160 Cultural Perspectives on Global

Processes

PCTS-2221 Restorative Justice

PCTS-3100 Models for Peace and Conflict

Transformation

PCTS-3120 Cultures of Violence, Cultures of

Peace

PCTS/PHIL-3800 Whose Violence? Which Peace?

POLS-2120 Peace and Conflict in World Politics

POLS-2200 Human Rights and Dignity

POLS-2400 Comparative Politics of

Development: Africa

SOCI-2060 Sociology of Gender

Group B

BTS-2720 Theologies of the Global South

BTS-3230 Biblical Interpretation Across

Cultures

BTS-3710 Theology of Mission

BTS/HIST-4180 Jews and Christians in Greco-

Roman Society

ENGL-3070 World Literature in English

MUSC-3250 Topics in Music and Culture

RLGN-1700 Religious Traditions of the World I

RLGN-1710 Religious Traditions of the World II

Social science electives—18 credit hours

Ancillary requirement:

Modern language—6 credit hours

General electives:

As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills do not exceed twenty-one credit hours.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in six credit hours of introductory Social Science to declare a major in this field.

Additional notes regarding the major and concentration:

1. Social science electives include all courses that CMU offers in the fields of Anthropology, Economics,

Geography, History, Indigenous Studies, International Development Studies, History, Peace and Conflict Transformation Studies, History, Peace and Conflict Transformation Studies, Political Studies, Psychology, and Sociology.

2. Students who choose this major and concentration must complete a practicum relevant to Intercultural Studies.

21.3.2. Intercultural Studies, Concentration within the Social Science Major, Three-year B.A.

Graduation Requirements:

90 credit hours fulfilling the program requirements as specified below

A minimum grade point average of 2.0 ("C") in the courses presented for the major

A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program

9 credit hours of the Ways of Knowing II and Theology requirements

24 credit hours of the major requirements

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I

Theology—6 credit hours

Humanities—3 credit hours

Social Science—3 credit hours

Science—6 credit hours

Practicum—6 credit hours

Anabaptist—3 credit hours

Indigenous—3 credit hours

Making—3 credit hours

Ways of Knowing II—6 credit hours

Academic writing requirement

Major and concentration Requirements:

A minimum of 36 credit hours

A minimum of 18 credit hours at the 2000-level or above, including 6 credit hours at the 3000-level or above

Twelve credit hours as follows:

ANTH-1610 Cultural Anthropology

Nine credit hours from the following:

GEOG-1010 Introduction to Human Geography

HIST-1000 History of the West in Global Context I

HIST-1010 History of the West in Global Context II

IDS-1110 Introduction to International Development Studies

PCTS-1110 Introduction to Peace and Conflict Transformation

POLS-1000 Democracy and Dissent

POLS-1010 Global Politics

PSYC-1010 Introduction to Psychology I: Foundations

PSYC-1020 Introduction to Psychology II: Individuals and Interactions

SOCI-1110 Introduction to Sociology

A concentration of 18 credit hours as follows:

PSYC/SOCI-2700 Interpersonal Communication

SOCI-2030 Inter-cultural Theory and Practice

Twelve credit hours from the following, including at least six credit hours from Group A:

Group A

HIST-2020 History of Colonial Canada

HIST-2030 History of the Canadian Nation Since 1867

HIST/INDS-2040 History of Indigenous Peoples of Canada

HIST-2060 Religion and Conflict in Historical Perspective

HIST/IDS-3020 History of Globalization

IDS-2110 Participatory Local Development

IDS -2171 Crisis, Humanitarian Aid, and Disaster Recovery

IDS-2183 African Development Issues

IDS-2184 Asia/Pacific Development Issues

IDS-2185 Latin American/Caribbean Development Issues

IDS-3160 Cultural Perspectives on Global Processes

PCTS-2221 Restorative Justice

PCTS-3100 Models for Peace and Conflict Transformation

PCTS-3120 Cultures of Violence, Cultures of Peace

PCTS/PHIL-3800 Whose Violence? Which Peace?

POLS-2120 Peace and Conflict in World Politics

POLS-2200 Human Rights and Dignity

POLS-2400 Comparative Politics of Development: Africa

SOCI-2060 Sociology of Gender

Group B

BTS-2720 Theologies of the Global South

BTS-3230 Biblical Interpretation Across Cultures

BTS-3710 Theology of Mission

BTS/HIST-4180 Jews and Christians in Greco-Roman Society

ENGL-3070 World Literature in English

MUSC-3250 Topics in Music and Culture

RLGN-1700 Religious Traditions of the World I

RLGN-1710 Religious Traditions of the World II

Social science electives—6 credit hours

Ancillary requirement

Modern language—6 credit hours

General electives:

As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills do not exceed eighteen credit hours.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of “C” in six credit hours of introductory Social Science to declare a major in this field.

Additional notes regarding the major and concentration:

1. Social science electives include all courses that CMU offers in the fields of Anthropology, Economics, Geography, History, Indigenous Studies, International Development Studies, History, Peace and Conflict Transformation Studies, Political Studies, Psychology, and Sociology.
2. Students who choose this major and concentration must complete a practicum relevant to Intercultural Studies.

21.3.3. Intercultural Studies, Minor within the Four-year or the Three-year B.A.

Requirements:

A minimum of 18 credit hours
 A minimum of 12 credit hours in residence
 PSYC/SOCI-2700 Interpersonal Communication
 SOCI-2030 Inter-cultural Theory and Practice
 Three credit hours of the following:
 ANTH-1610 Cultural Anthropology
 IDS-1110 Introduction to International Development Studies

Nine credit hours selected from the following, including at least three credit hours from Group A:

Group A

- HIST-2030 History of the Canadian Nation Since 1867
- HIST/INDS-2040 History of Indigenous Peoples of Canada
- IDS-2110 Participatory Local Development
- IDS -2171 Crisis, Humanitarian Aid, and Disaster Recovery
- IDS-2183 African Development Issues
- IDS-2184 Asia/Pacific Development Issues
- IDS-2185 Latin American/Caribbean Development Issues
- IDS-3160 Cultural Perspectives on Global Processes
- PCTS-2221 Restorative Justice
- PCTS-3100 Models for Peace and Conflict Transformation
- PCTS/PHIL-3800 Whose Violence? Which Peace?
- POLS-2120 Peace and Conflict in World Politics
- POLS-2200 Human Rights and Dignity
- POLS-2400 Comparative Politics of Development: Africa
- SOCI/POLS-2000 Social Welfare
- SOCI-2060 Sociology of Gender

Group B

- BTS-2720 Theologies of the Global South
- BTS-3230 Biblical Interpretation Across Cultures
- BTS-3710 Theology of Mission
- ENGL-3070 World Literature in English
- RLGN-1700 Religious Traditions of the World I
- RLGN-1710 Religious Traditions of the World II

21.4. Social Service, Concentration within the Social Science Major, and Minor within the B.A.

Program Advisor: Delmar Epp, PhD

This program of study engages the practices and dynamics that best foster human dignity, conviviality and strong communities. Extended through the public sector, not-for-profit and social welfare organizations of civil society, social services are key instruments for achieving greater inclusion, participation, self-determination, care, justice, and advocacy. Studies in this area afford insight into the effective delivery of services, the challenges associated with social change and frontline work, and the theoretical foundations that critically inform social service provision. This interdisciplinary concentration prepares students for professional programs in the social services, health care and cognate fields, and for voluntary service in related areas. It also provides an excellent focus for those wishing to draw together an interdisciplinary Social Science degree with a view to keeping doors open for advanced study or employment in the Social Sciences broadly.

21.4.1. Social Service, Concentration within the Social Science Major, Four-year B.A.

Graduation Requirements:

- 120 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 120 credit hours

Residency Requirements:

- 60 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 30 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major and concentration Requirements:

- A minimum of 48 credit hours
- A minimum of 30 credit hours at the 2000-level or above, including 12 credit hours at the 3000-level or above
- Twelve credit hours as follows:
 - SOCI-1110 Introduction to Sociology
 - Nine credit hours from:
 - ANTH-1610 Cultural Anthropology
 - IDS-1110 Introduction to International Development Studies
 - PCTS-1110 Introduction to Peace and Conflict Transformation
 - POLS-1000 Democracy and Dissent
 - POLS-1010 Global Politics
 - PSYC-1010 Introduction to Psychology I: Foundations
 - PSYC-1020 Introduction to Psychology II: Individuals and Interactions
- A concentration of 18 credit hours as follows:
 - PSYC/SOCI-2700 Interpersonal Communication
 - SOCI/POLS-2000 Social Welfare
 - Twelve credit hours from the following:
 - BTS-2310 Issues in Youth Ministry
 - BUSI/PSYC-2020 Organizational Behaviour

- BUSI-2030 Management and Organizational Theory
- IDS/PCTS-2000 The Project Cycle
- IDS-2110 Participatory Local Development
- IDS/PCTS-4920 Program Planning in Development and Conflict Resolution
- PCTS-3100 Models for Peace and Conflict Transformation
- POLS-2200 Human Rights and Dignity
- PSYC-2110 Social Relationships and Behaviour
- PSYC-2210 Developmental Psychology—Adolescence
- PSYC-2220 Developmental Psychology—Adulthood
- PSYC-2400 Counselling Theories
- PSYC-2410 Counselling Techniques
- SOCI-2020 Communities and Organizations
- SOCI-2060 Sociology of Gender
- Social science electives—18 credit hours

General electives:

- As required to reach a total of 120 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of seventy-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of twelve credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills do not exceed twenty-one credit hours.
4. The course distribution must include at least six credit hours of course work in a minimum of five subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. A student must earn a minimum grade of "C" in six credit hours of introductory Social Science to declare a major in this field.

Additional notes regarding the major and concentration:

1. Social science electives include all courses that CMU offers in the fields of Anthropology, Economics, Geography, History, Indigenous Studies, International Development Studies, History, Peace and Conflict Transformation Studies, Political Studies, Psychology, and Sociology.

2. Students who choose this major and concentration must complete a practicum relevant to Social Service.

21.4.2. Social Service, Concentration within the Social Science Major, Three-year B.A.

Graduation Requirements:

- 90 credit hours fulfilling the program requirements as specified below
- A minimum grade point average of 2.0 ("C") in the courses presented for the major
- A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

- 30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program
- 9 credit hours of the Ways of Knowing II and Theology requirements
- 24 credit hours of the major requirements

Common Curriculum Requirements:

- INTD-1000 Ways of Knowing I Theology—6 credit hours
- Humanities—3 credit hours
- Social Science—3 credit hours
- Science—6 credit hours
- Practicum—6 credit hours
- Anabaptist—3 credit hours
- Indigenous—3 credit hours
- Making—3 credit hours
- Ways of Knowing II—6 credit hours
- Academic writing requirement

Major and concentration Requirements:

- A minimum of 36 credit hours
- A minimum of 18 credit hours at the 2000-level or above, including 6 credit hours at the 3000-level or above
- Twelve credit hours as follows:
 - SOCI-1110 Introduction to Sociology
 - Nine credit hours from:
 - ANTH-1610 Cultural Anthropology
 - IDS-1110 Introduction to International Development Studies
 - PCTS-1110 Introduction to Peace and Conflict Transformation
 - POLS-1000 Democracy and Dissent
 - POLS-1010 Global Politics
 - PSYC-1010 Introduction to Psychology I: Foundations
 - PSYC-1020 Introduction to Psychology II: Individuals and Interactions
- A concentration of 18 credit hours as follows:
 - PSYC/SOCI-2700 Interpersonal Communication
 - SOCI/POLS-2000 Social Welfare
 - Nine credit hours from the following:
 - BTS-2310 Issues in Youth Ministry

- BUSI/PSYC-2020 Organizational Behaviour
- BUSI-2030 Management and Organizational Theory
- IDS/PCTS-2000 The Project Cycle
- IDS-2110 Participatory Local Development
- IDS/PCTS-4920 Program Planning in Development and Conflict Resolution
- PCTS-3100 Models for Peace and Conflict Transformation
- POLS-2200 Human Rights and Dignity
- PSYC-2110 Social Relationships and Behaviour
- PSYC-2210 Developmental Psychology—Adolescence
- PSYC-2220 Developmental Psychology—Adulthood
- PSYC-2400 Counselling Theories
- PSYC-2410 Counselling Techniques
- SOCI-2020 Communities and Organizations
- SOCI-2060 Sociology of Gender
- Social science electives—6 credit hours

General electives:

As required to reach a total of 90 credit hours

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit hours of 1000-level courses can count toward this program.
3. This program may include a maximum of nine credit hours of practical skills courses (e.g., Applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum. For students who completed PRAC-1000, this program may include a maximum of twelve credit hours of practicum provided that the practicum and practical skills do not exceed eighteen credit hours.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields.
5. A student must earn a minimum grade of "C" in six credit hours of introductory Social Science to declare a major in this field.

Additional notes regarding the major and concentration:

1. Social science electives include all courses that CMU offers in the fields of Anthropology, Economics, Geography, History, Indigenous Studies, International Development Studies, History, Peace and Conflict Transformation Studies, Political Studies, Psychology, and Sociology.
2. Students who choose this major and concentration must complete a practicum relevant to Social Service.

21.4.3. Social Service, Minor within the Four-year or the Three-year B.A.

Requirements:

- A minimum of 18 credit hours
- A minimum of 12 credit hours in residence
- SOCI-1110 Introduction to Sociology
- SOCI/POLS-2000 Social Welfare
- Twelve credit hours from:
 - BUSI/PSYC-2020 Organizational Behaviour
 - BUSI-2030 Management and Organizational Theory
 - GEOG-1010 Introduction to Human Geography
 - IDS-1110 Introduction to International Development Studies
 - IDS/PCTS-2000 The Project Cycle
 - IDS-2110 Participatory Local Development
 - IDS/PCTS-4920 Program Planning in Development and Conflict Resolution
 - PCTS-1110 Introduction to Peace and Conflict Transformation
 - PCTS-3100 Models for Peace and Conflict Transformation
 - POLS-1000 Democracy and Dissent
 - POLS-1010 Global Politics
 - POLS-2200 Human Rights and Dignity
 - POLS-2300 Canadian Political Issues
 - POLS-3500 Gender and Politics
 - PSYC-1010 Introduction to Psychology I: Foundations
 - PSYC-1020 Introduction to Psychology II: Individuals and Interactions
 - PSYC-2110 Social Relationships and Behaviour
 - PSYC-2210 Developmental Psychology—Adolescence
 - PSYC-2220 Developmental Psychology—Adulthood
 - PSYC-2400 Counselling Theories
 - PSYC-2410 Counselling Techniques
 - PSYC/SOCI-2700 Interpersonal Communication
 - SOCI-2020 Communities and Organizations
 - SOCI-2060 Sociology of Gender

22. Sociology, Minor within the Bachelor of Arts

Program Advisor: Coordinator of Academic Advising

Sociology is the systematic study of human society. Topics covered include culture, socialization, groups and organizations, social processes, community, social stratification, social change, and major institutions such as religious, economic, educational, or health care institutions, and the family. The sociological perspective will be illustrated by analyzing Canadian society in the context of the global community. At CMU, students are challenged to think about how their faith and beliefs are shaped by society, and about how their faith and beliefs have the potential to shape society. Knowledge of sociology helps students understand themselves, others, and the systems within which they work and live. .

Requirements:

- A minimum of 18 credit hours
- A minimum of 6 credit hours in residence
- SOCI-1110 Introduction to Sociology
- Sociology electives—at least 15 credit hours at the 2000-level or above

23. Bachelor of Arts, General, Three-year

Program Advisor: Coordinator of Academic Advising

The Bachelor of Arts (General, Three-Year) provides maximum flexibility for students who wish to pursue studies across the disciplines. Its flexibility allows students to meet entrance requirements to certain professional degree programs.

Graduation Requirements:

90 credit hours fulfilling the program requirements as specified below

A passing grade in all courses presented for graduation and a minimum grade point average of 2.0 ("C") in 90 credit hours

Residency Requirements:

30 credit hours within the degree, including 12 credit hours of the last 30 credit hours in the degree program

9 credit hours of the Ways of Knowing II and Theology requirements

12 credit hours from the two required subject fields

Common Curriculum Requirements:

INTD-1000 Ways of Knowing I

Theology—6 credit hours

Humanities—3 credit hours

Social Science—3 credit hours

Science—6 credit hours

Practicum—6 credit hours

Anabaptist—3 credit hours

Indigenous—3 credit hours

Making—3 credit hours

Ways of Knowing II—6 credit hours

Academic writing requirement

Subject Field Requirements:

A minimum of 30 credit hours drawn from two subject fields other than Biblical and Theological Studies, including a minimum of twelve credit hours from each of the two subject fields.

A minimum of 12 credit hours at the 2000-level or above

General electives:

As required to reach a total of 90 credit hours.

Degree Regulations:

1. A course may not be used to satisfy requirements for two areas of the common curriculum or to satisfy requirements for both a major and a minor at the same time. A course may simultaneously fulfill a requirement for an area in the common curriculum and for either a major or a minor.
2. This program requires a minimum of forty-two hours at the 2000-level or above. Thus, only forty-eight credit

hours of 1000-level courses can count toward this program.

3. This program may include a maximum of nine credit hours of practical skills courses (e.g., applied music, music ensemble, theatre ensemble, peace skills, media skills), and a maximum of nine credit hours of practicum.
4. The course distribution must include at least six credit hours of course work in a minimum of three subject fields. A maximum of three credit hours of practical skills courses may be used toward a subject field. The remaining three credit hours must be drawn from other courses within the subject field.
5. The course distribution must include at least six credit hours of course work in a minimum of three subject fields.
6. The student will work in consultation with the Program Chair to choose appropriate subject fields to meet educational/vocational objectives.

20. Certificate

Program Advisor: Coordinator of Academic Advising

20.1. Certificate in General Studies, One-Year

Requirements: A minimum of 24 credit hours, including 3 credit hours in Biblical and Theological Studies.

Regulations:

1. All courses toward the certificate must be taken in residence. Transfer credits cannot contribute to a certificate program.
2. A student may earn a certificate over a one-year period of full-time study, or over several years of part-time study.
3. The student must achieve a minimum GPA of 2.0.
4. The student normally makes application for the certificate at the beginning of the semester after which the student hopes to receive it.

Course Descriptions

Introductory Explanations

Course Numbering

The course numbers follow the format ABCD-1234, as illustrated by the following two examples:

BTS-2000 Introduction to Christianity

MUSC-2100 Music Skills III

The ABCD prefix indicates the subject field of the course. It is an alphabetic code of three or four characters. In the examples above, BTS in the first course number indicates that it belongs to the Biblical and Theological Studies field, and the MUSC in the second indicates that the course belongs to Music. The table below provides the codes for the various subject fields.

Each course in any particular subject field has its own distinctive four-digit number, EFGH in the format shown above. Of these four digits, the first indicates the level of a course. A 1000-level course is an introductory course. A 2000-level course may have Prerequisite. If none are specified, the course is available to first-year students. Other courses are designated as 3000- or 4000-level courses, indicating that they are advanced courses and have Prerequisite.

Course Offerings in a Particular Academic Session

The following section contains a complete list of courses approved by the CMU Senate for its curriculum. In any given academic year, CMU will offer a selection of courses from this list. CMU will offer its courses in a rotation so as to enable students to fulfill the requirements of their degree programs.

Independent Studies Courses

When a student wishes to study a topic not covered by CMU's regular courses or by courses available elsewhere in Winnipeg, the student may request an independent studies course, if the student has completed at least sixty credit hours and has a minimum cumulative GPA of 3.0 and a minimum GPA of 3.5 in the major. To confirm eligibility and to begin the process of making a request, students should see the Registrar.

The independent studies courses in the following course list have a value three credit hours. In special circumstances, students may request a six credit-hour course.

Prerequisite and Corequisites

Often a course is specified as a prerequisite within the description of another course, meaning that the course so specified must be taken before enrolling in the course for

which it is a prerequisite. Sometimes a corequisite is specified, meaning that the student must enrol in both the corequisite course and the course for which it is a corequisite during the same semester.

Most courses at the 3000-level or higher have Prerequisite. Normally, they are available only to students who have completed at least thirty credit hours of university-level studies, including introductory course work in the subject field of the course under consideration.

Subject Field Codes

Subject Fields	Codes
Academic Writing	ACWR
Anthropology	ANTH
Biblical and Theological Studies	BTS
Biology	BIOL
Business and Organizational Administration	BUSI
Chemistry	CHEM
Communications and Media	COMM
Computer Science	COMP
Economics	ECON
English	ENGL
Environmental Studies	ENVS
Geography	GEOG
History	HIST
Indigenous Studies	INDS
Interdisciplinary Studies	INTD
International Development Studies	IDS
Languages	LANG
Mathematics	MATH
Music	MUSC
Music Therapy	MUTH
Peace and Conflict Transformation Studies	PCTS
Philosophy	PHIL
Physical Education	PHED
Physics	PHYS
Political Studies	POLS
Practicum	PRAC
Psychology	PSYC
Religion	RLGN
Sociology	SOCI
Social Work	SWRK

Courses Presented by Subject Field

Academic Writing

ACWR-1010 Writing for Academic Purposes (3.0 credit hours) This course is designed to equip students with essential skills for writing in an academic context. Students will learn a variety of forms commonly required, including in particular book reviews and research essays. *Students who have earned a grade of less than 73% in Grade 12 English must register in ACWR-1010.*

Anthropology

ANTH-1610 Cultural Anthropology (3.0 credit hours) The comparative study of human societies and cultures, including language, economic, and political organization, family and kinship, ritual and belief systems, and cultural stability and change.

ANTH-1620 Human Origins and World Prehistory (3.0 credit hours) An introduction to the study of the biological nature of the human species and its origins, and of the cultural and biological record of the past. Topics to be engaged include biological evolution, the positions of humans within the Order Primates, the human fossil record, the nature of modern human variation, the nature of the archaeological record of the past, and the methods of archaeology.

PCTS/ANTH-2820 Aggression, Violence, and War in a Social-Scientific Perspective (3.0 credit hours) This course will investigate and assess psychological, sociological, anthropological, and socio-biological perspectives and theories of aggression, violence, and war. Case studies will be used to test the applicability of these theories, and their usefulness for approaching peacebuilding work. *Prerequisite: PCTS-1110, PSYC-1020, SOCI-1110 or ANTH-1610 and 1620.*

Biblical and Theological Studies

Biblical and Theological Studies invites students to disciplined, thoughtful reflection on the Bible, on the theological traditions and history of the church, and on the experiences and practices of Christian communities around the world. Students develop skills to apply biblical and theological wisdom to contemporary personal and social issues. Students also discover ways in which they might be transformed as they reflect on how Christian faith and practice can be of service to God and the world. CMU seeks to foster dialogue between this field of inquiry and other academic disciplines, between the Anabaptist/Mennonite tradition and the diversity of Christian traditions, and between Christian thought and

the variety of worldviews. Biblical and Theological Studies will prepare students for their vocation to live as Christians and for various ministries within the Church or with church-related organizations.

All degree programs require the completion of at least eighteen credit hours of Biblical and Theological Studies. Students who wish to concentrate on Biblical and Theological Studies may choose from the following program options:

Bachelor of Arts (Major in Biblical and Theological Studies, Four-year Honours, Four- or Three-year)

For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

Categorization of courses in Biblical and Theological Studies

Each of the following courses may belong to at least one of the five categories:

B: Bible
HC: History of Christianity
PT: Practical Theology
T: Theology
Th: Thematic

The code will appear after each course title, indicating to which category it belongs.

BTS-1110 Biblical Literature and Themes [Intro B] (3.0 credit hours) This introductory course, intended for students familiar with the Bible, provides an overview of the Bible and biblical studies by exploring the content of the biblical story and its major themes; the geographic, cultural, and social contexts out of which the Bible emerged; the different types of literature in the Bible; and various ways of reading and interpreting biblical texts. *Students may not hold credit for this course and BTS-1120 and 1130.*

BTS-1120 Encountering the Bible [Intro B] (3.0 credit hours) This course introduces first-time readers of the Bible to the overarching story that the Bible tells and to the major characters, events, and themes of this story. The course will also sample scholarly and popular approaches to interpreting biblical texts and discuss ways in which the Bible shapes both Judaism and Christianity. *Students may not hold credit for this course and BTS-1110 and 1130.*

BTS-1130 Introducing Jesus: An Overview of the Christian Bible [Intro B] (3.0 credit hours) This course provides an overview of the Bible, by starting first with the life and ministry of Jesus, and then looking backward to his heritage (the Old Testament), and then forward to his legacy (the New Testament). The course will explore the various blocks and kinds of biblical writings and their core theological themes, while taking note of diversity within coherence, and change within continuity. *Students may not hold credit for this course and BTS-1110 or 1120.*

BTS-2000 Introduction to Christianity [Th] (3.0 credit hours) This course will survey the history, thought, and practice of Christianity, from the period of the early church to the present.

HIST/BTS-2090 Mennonites in Canada and the United States [HC] (3.0 credit hours) A study of Mennonite social history in Canada and the United States from the first immigrations in the seventeenth century to the present, with special emphasis on Canada.

BTS-2100 Old Testament Book Study [B] (3.0 credit hours) A study of an Old Testament book, focusing on its theological, historical, and contemporary meaning.

BTS-2110 New Testament Book Study [B] (3.0 credit hours) A study of a New Testament book, focusing on its theological, historical, and contemporary meaning.

BTS-2160 The Psalms [B] (3.0 credit hours) This course seeks to explore the art of biblical poetry, the theological and moral vision of the Psalms, and the function of these poems in the context of life and worship, both in ancient Israel and in contemporary spirituality.

BTS-2170 Wisdom Literature [B] (3.0 credit hours) A study of the books Proverbs, Job, Ecclesiastes, and other wisdom writings, with a focus on the nature of wisdom in ancient Israel, and the theological and ethical concerns of the biblical wisdom tradition.

BTS-2180 The Synoptic Gospels [B] (3.0 credit hours) This course involves a study of the three Synoptic Gospels—Matthew, Mark, and Luke. It includes a treatment of their origins and inter-relationships, as well as an examination of their literary character and their distinctive theological presentations of Jesus.

BTS-2190 Luke-Acts [B] (3.0 credit hours) Luke is distinctive among the four Gospels in that it is the first volume of a two-part composition: Luke-Acts. The course investigates the literary character, social context, and theology of this two-volume composition that tells the story of the emerging church from the beginning of the ministry of Jesus in Galilee to the imprisonment of Paul in Rome.

BTS-2200 Reading the Bible as a Witness to Liberation [Intro B]: An introduction to the Bible as a witness to ways in which God liberates persons and communities from situations of oppression into ways of liberation, freedom, and transformation. While the various witnesses may sometimes seem cacophonous, the course will allow students to explore liberation as a common theme. Among other things, the course will prepare students to have a better appreciation of the continuities between the two testaments.

BTS-2230 Biblical Perspectives on Peace and Justice [B] (3.0 credit hours) The biblical writings are rich with images of peace and justice. This course seeks a deeper understanding of these biblical themes in light of the prevalence of violence and conflict in the ancient world and today.

BTS-2240 Encounter and Transformation: Exploring Biblical Spiritualities [B] (3.0 credit hours) The course explores the lived experience of faith and life as that is reflected in the rich diversity of biblical texts. The course focuses on the way knowing, experiencing, and responding to the presence of God is exemplified in and mediated by the Bible. Building on the varieties of spirituality in the Bible, the course also attends to the ways in which the Bible has nurtured the spirituality's of those who have read, studied, and prayed the scriptures.

BTS-2250 Creation, Ecology, and the Bible [B] (3.0 credit hours) This course will explore the themes of creation and land as they are developed in the Bible, and in the context of contemporary ecological issues. The course will include a survey of ways in which readings of the Bible have contributed either to environmental degradation or the emergence of eco-theology.

BTS-2260 Discipleship in the New Testament [B] (3.0 credit hours) A central emphasis in the New Testament writings is discipleship, that is, "following Jesus" (Gospels) or living a new life "in Christ" (Paul). This course explores the various perspectives on discipleship in the New Testament, to understand those perspectives in their historical and literary contexts, and to draw out their implications for followers of Jesus today.

BTS-2295 Topics in Biblical Studies [B] (3.0 credit hours) A study of selected writings and/or themes in the Bible. Possible topics may span the whole Bible or focus on either old or new testament. The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors.

BTS-2300 Principles and Paradigms in Youth Ministry [PT] (3.0 credit hours) Students will evaluate commonly used youth ministry strategies and identify a paradigm for congregational youth and family ministry that is biblically based, historically informed, developmentally appropriate, and consists of purposefully designed programs that will meet the needs and interests of today's youth.

MUSC/BTS-2300 Music Ministry and Resources [PT] (3.0 credit hours) An introduction to music ministry in the church. Attention will be focused on the function of music in the context of Christian worship. In addition to exploring a variety of worship music styles and resources,

attention will also be given to the development of leadership skills for music ministry. *Reading musical notation not required.*

BTS-2310 Issues in Youth Ministry [PT] (3.0 credit hours) The post-modern world creates challenges and opportunities for the church's ministry to youth. Pressures and crises that put youth at risk will be identified and the issues with which many struggle will be explored with a goal of finding ministry responses that can lead to healthy growth and development.

MUSC/BTS-2310 Hymnology: The History of Congregational Song [PT] (3.0 credit hours) A study of the historical development and practice of the various streams of Christian congregational song up to the early twentieth century. Primary attention will be given to the creation of worship music (the sources of texts and tunes), its practice (leadership styles, modes of presentation), and its function in liturgy, proclamation, and education. *Reading musical notation not required.*

BTS-2330 Marriage and Family in Christian Perspective [PT] (3.0 credit hours) A study of the institutions of marriage and family as found in biblical and contemporary contexts. This course will explore the church's ministry to families and include issues of singleness, pre-marriage relationships, gender roles, and family functioning including special dynamics created by adoption, childlessness, divorce, and remarriage.

MUSC/BTS-2330 Leading Music and Worship (3.0 credit hours) A study of preparing and leading worship, with a primary focus on enabling the congregational voice. Attention will be given to understanding the theological and musical bases for song selection within a variety of worship traditions, as well as the development of practical leadership skills, both spoken and sung. *Reading musical notation not required.*

BTS-2370 The Art of Worship [PT] (3.0 credit hours) This course explores the meaning of worship through an examination of its practice. It will reflect on the role of preaching, music, prayer, and the dramatic and visual arts in worship. It will introduce the principles and practices of vital worship leadership, and it will provide opportunity to develop basic skills in worship leading and public communication. *A laboratory fee will be assessed.*

LANG/BTS-2410 Elementary Biblical Greek I (3.0 credit hours) This course will introduce students to the fundamentals of Koine Greek grammar and vocabulary. Selected prose texts in the New Testament will be read and translated.

BTS-2420 Exploring Christian Spirituality [PT] (3.0 credit hours) An introductory survey of various traditions and disciplines of Christian spirituality in the context of

their historical development and contemporary expression. Students will be challenged to expand the scope of their understanding and practice of Christian spirituality as they engage and process the course material from within the context of their own religious traditions.

LANG/BTS-2420 Elementary Biblical Greek II (3.0 credit hours) A continuation of the fundamentals of Koine Greek grammar and vocabulary. Selected prose texts in the New Testament will be read and translated. *Prerequisite: LANG-2410.*

BTS-2495 Topics in Practical Theology [PT] (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors.

BTS/HIST-2550 History of Christianity [HC] (3.0 credit hours) A survey of the historical developments in Christianity from the early church to the present. Attention will be paid to the manner in which Christianity was influenced by its social setting and at the same time stimulated change in its host culture.

BTS-2560 Anabaptist Beginnings [HC] (3.0 credit hours) A study of the history, beliefs, and significance of the sixteenth-century Anabaptist movements.

BTS/HIST-2570 Anabaptism: From European to Global Reality [HC] (3.0 credit hours) This course explores the evolving character of Anabaptist identity over a 500-year period. The course will begin by giving attention to sixteenth-century origins in Europe and it will follow the ongoing story of how Anabaptist communities evolved over several centuries before becoming a global reality. The course may give attention to selected issues and themes. For the most part, the accent in this course will be on the Mennonite story.

BTS-2695 Topics in History of Christianity [HC] (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors.

PHIL/BTS-2700 Disability and Difference: Philosophical and Theological Perspectives [T] (3.0 credit hours) The study of physical and mental disability offers the opportunity to discover both the problems and the potential of central philosophical and theological concerns: free will, reason, morality, solidarity, suffering, sin, and salvation, among others. Our goal in this class is to begin to see the indispensability of disability for our own self-understanding. Readings from ancient, modern, and contemporary authors will be included, from a variety of philosophical and theological perspectives, including the perspectives of persons with disabilities.

BTS-2720 Theologies of the Global South [T] (3.0 credit hours) A study of Christian writers whose orientation is non-Western. Theological works from Asia, Africa, and Latin America will be studied.

BTS-2740 Christianity and Art [T] (3.0 credit hours) The key claims and controversies of the Christian tradition are often thought to be associated primarily with the spoken word or the written text. But the history of Christianity is not limited to the production of creedal confessions and doctrinal statements. From their earliest beginnings, Christians have also been involved in the production of a rich and varied visual culture. This course will explore some of the ways Christians have attempted to reflect on their understanding of the Christian life through the production of painting, sculpture, architecture, and other forms of visual art. It will also provide an opportunity to consider Christianity's complex relationship with images more generally by exploring the debate between those who claim that the production of Christian images can be a profound expression of faith and those who argue that any production of Christian images is an act of supreme unfaithfulness.

BTS-2750 Introduction to Christian Ethics [T] (3.0 credit hours) A historical survey of Christian ethics from Greek thought to the present. Contemporary themes like liberation theology, peace theology, and feminism will be included.

BTS-2760 The *Martyrs Mirror* [T, HC] (3.0 credit hours) The *Martyrs Mirror* is arguably the most important book in the Anabaptist tradition. This course will study both the content of this notable book and the historical context in which it came to be. Its relationship both to the wider tradition of Christian martyrdom and to its early-modern contemporaries like Foxe's *Book of Martyrs* will be examined. Questions related to the way it shaped and continues to shape the Anabaptist tradition will also be explored.

BTS-2780 Political Theology [T] (3.0 credit hours) A study of different approaches to political theology, including medieval and modern political theologies and the new political theology, as exemplified by the theologians Metz, Soelle, and Moltmann. It will also engage those approaches from the standpoint of the radical reformation tradition.

BTS-2800 Theology of Peace and Justice [T] (3.0 credit hours) This course explores selected literature on peace and justice, focusing on responses to conflict, violence, and war from the perspectives of Christian Pacifism and the Just War tradition.

BTS-2895 Topics in Theology [T] (3.0 credit hours) The content of this course will vary from year to year,

depending on the needs of students and the interests and availability of instructors.

BTS/SOCI-2920 Gender, Sexuality, and Theology [Th] (3.0 credit hours) An exploration of gender relationships in church and society with a particular attention to how the category (experience of gender) has shaped and influenced society and Christian faith and practices, and conversely, how the Christian faith and society have influenced gender and the embodiment of human sexuality.

BTS-2930 Biblical and Theological Studies Tour [Th] (3.0 credit hours) A study tour that takes students to international settings to enhance their knowledge and understanding of the Christian church. The course consists of (a) requisite readings, lectures, and research, (b) excursions and presentations led by qualified resource people while touring the study location, and (c) a summative assignment upon return. *Prerequisite: 30 credit hours of university-level studies.*

BTS-2940 Film, Faith, and Popular Culture [Th] (3.0 credit hours) This course is a conversation between contemporary movies and Christian faith. It explores how films reflect and shape the worldview, the commitments, and the virtues or vices of society, and how they express a religious or theological vision within popular culture. *Formerly TFA-2010*

BTS-2995 Topics in Biblical and Theological Studies [Th] (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors.

BTS-3110 Prophets of Israel [B] (3.0 credit hours) The course explores how the Israelite prophets responded to political, social, and religious crises by offering critical and constructive analysis, by announcing alternative visions of the future, and by calling for a just social order rooted in faithfulness to one God. The course includes reflection on: social scientific perspectives on prophecy; specific prophetic books; stories of individual prophets; and the theological significance of the prophetic literature. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

PHIL/BTS/ENGL-3120 Dante: *The Divine Comedy* [T] (3.0 credit hours) When, at the mid-point of his life, Dante found himself in the midst of a crisis, he turned to the dead to help him find his way. Equal parts literature, poetry, history, politics, philosophy, and theology, this course will follow Dante's epic journey through hell, purgatory, and heaven as recorded in *the Divine Comedy*. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or 6 credit hours of 1000- or 2000-level Philosophy or permission of the instructor.*

BTS-3130 Beginnings: Genesis to Deuteronomy [B] (3.0 credit hours) A study of the first five books of the Bible which tell the foundational stories of ancient Israel, and whose narratives and laws shape the identity and mission of the people of God. The course will focus on the content, background, style, and theological vision of the books of Genesis, Exodus, Leviticus, Numbers, and Deuteronomy. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3170 Paul, Apostle to the Gentiles [B] (3.0 credit hours) The course investigates the principal writings of Paul in the New Testament to discover how his thought guided the communities formed by his mission to the Gentiles. Attention will be given to Paul's sense of call, his central convictions, method of argument, opponents, approach to cultural diversity, and view of the Jewish law. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3220 Apocalypse: Then and Now [B] (3.0 credit hours) With its ferocious multi-headed beasts, evil empires, angelic hosts, and other strange symbolism, apocalyptic literature is a challenge to interpret. This course explores the origins, worldview, and content of apocalyptic texts like Ezekiel 38-39, Daniel, Revelation, Mark 13, and several non-biblical writings, and how these texts portray God defeating earth's evil empires and replacing them with the eternal reign of God. The course will also engage interpreters and movements throughout the ages, including the contemporary "Left Behind" phenomenon, who have used apocalyptic texts to argue that the End is near. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3240 New Testament Economics [B] (3.0 credit hours) A study of the economic structures, practices, and thinking during the New Testament period, focusing on such themes as wealth, poverty, labour, and possessions. A review of contemporary economic theory and Christian practice will be considered in the light of the historical and biblical exploration. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3246 Biblical Languages for Exegesis [B] (3.0 credit hours) This course introduces students to biblical Hebrew and Greek. It is designed for non-specialists looking for Hebrew and Greek language tools that facilitate study of the biblical text. The goal is to illuminate the characteristics and distinctive features of each language in order to help students evaluate commentaries, engage in advanced linguistic and semantic analysis, and use Bible computer programs and printed research aids. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies*

BTS/POLS-3260 Plato's Republic and Paul's Romans in Dialogue [B] (3.0 credit hours) Plato's *Republic* and Paul's *Romans* are both discourses on the concept of "justice," encompassing the body politic, the just individual within it, and the entire cosmos. Following an overview of Platonism and Paulinism within their respective Greek and Judeo-Christian traditions, this course will consist of a close reading consecutively of the *Republic* and *Romans*, and will conclude with a comparison and dialogue between these two classics and the traditions they represent. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3280 Feminist Perspectives on Bible and Theology [B, T] (3.0 credit hours) Recognizing that how we interpret the Bible, do theology, and practice faith is always contextual, this course will explore the critical engagement of Scripture and theology from a feminist perspective. It will survey how feminist discourse has changed over the years; explore contributions of feminist scholars to biblical studies and to understandings of God, church, and spirituality; and acknowledge contributions of womanist theologians and non-Euro-American feminist theologians. Attention will be given to how themes and issues in feminist theology and biblical interpretation intersect with our own lives and how they might contribute to furthering relationships of mutuality, justice, and shalom *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3290 Jesus in John [B] (3.0 credit hours) This course is a study of the literature and theology of the Gospel and Letters of John. It will examine the distinctive portrayal of Jesus in the Johannine writings and the implications of that understanding of Jesus for ancient and contemporary readers. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3295 Topics in Biblical Studies [B] (3.0 credit hours) A study of selected writings and/or themes in the Bible. Possible topics, which may span the whole Bible or focus on either testament, include: kingdom of God, worship, law, economics, work and rest, gender, the family, apocalyptic, spirituality, leadership, images of God and humanity, divine sovereignty and human freedom, the people of God and the nations. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

MUSC/BTS-3310 Church Renewal and Music in the Twentieth Century [PT] (3.0 credit hours) A study of the renewal movements in the twentieth century, studying both their theology and music, including the impact of Vatican II, the charismatic movement, Taizé, Vineyard movement, etc. Attention will also be given to

developments in contemporary hymnody. *Prerequisite: 30 credit hours of university-level study.*

BTS-3340 Ministry Seminar [PT] (3.0 credit hours) In this seminar students will engage in theological reflection on the nature of the church's ministry (a broad understanding of the church's ministry will be assumed, from pastoral ministry to missions and outreach ministry to music ministry, etc.). It will explore concepts and characteristics of the ministry of the church and examine related issues such as leadership and authority, gender, ethics, etc. The seminar will provide opportunity for students to engage in discernment of vocational calling as well as aptitudes and gifts. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours of Biblical and Theological Studies.*

BTS-3370 Pastoral Care and Counselling [PT] (3.0 credit hours) A theoretical and practical examination of the critical areas of pastoral care and counselling for ministry to persons in transition and crisis. Resources, methods, and approaches will give insight into the issues of pastoral care and counselling from a biblical and theological understanding of God and human experience. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours of Biblical and Theological Studies.*

BTS-3420 Liturgical Arts in Worship [PT] (3.0 credit hours) This course will explore the use of litanies, drama, storytelling, music, Scripture, and other oral and visual arts in worship. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours of Biblical and Theological Studies.*

BTS-3440 Christian Spiritual Formation [PT] (3.0 credit hours) A course designed to help students deepen their spiritual formation in the context of their own Christian tradition. To this end students will conduct primary research into their own tradition of Christian spirituality in dialogue with other traditions. Participation in selected spiritual practices and a weekend retreat are expected. *Prerequisite: 30 credit hours of university-level studies, including BTS-2420, or permission of the instructor.*

BTS-3450 Theologies of Power [PT, T] (3.0 credit hours) The course will begin with an historical survey of the understanding of power in the church and society including biblical perspectives on power. Also this course will reflect on contemporary views of power and powerlessness. It will include a reflection on how power, authority, and accountability function in the church, specifically in leadership. *Prerequisite: 30 credit hours of university-level study, 6 credit hours in Biblical and Theological Studies.*

BTS-3495 Topics in Practical Theology [PT] (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours of Biblical and Theological Studies.*

BTS-3520 Sixteenth-Century Reformations [HC] (3.0 credit hours) A study of the Reformations of the sixteenth century, including the Lutheran, Reformed, Anglican, Anabaptist, and Roman Catholic reforms within their social and political contexts. Special attention will be given to the key texts of the various movements. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3595 Topics in History of Christianity [HC] (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

PHIL/BTS/SOCI-3700 The City and the Soul: Encountering Winnipeg Through *The Wire* [T] (3.0 credit hours) This course takes up the longstanding analogy of the city and the soul and explores it in the context of the contemporary city. Through an extended reading of *The Wire*—a critically acclaimed TV drama about the city—it invites students to reflect on what it might mean to pursue the good life in Winnipeg. *Prerequisite: 30 credit hours of university-level study, including 6 credit hours of Philosophy.*

BTS-3710 Theology of Mission [T] (3.0 credit hours) A critical survey of the history of Christian mission throughout the world to provide a framework for an understanding of recent developments in the theology of mission. Mennonite contributions to this discourse will receive significant attention. The course will conclude with a consideration of the nature of missionary witness to secular Western society. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3720 Peace and War in Christian History [HC, T] (3.0 credit hours) This course is both an historical survey of the Christian Church's teaching and practice regarding war and peace and a theological consideration of various views held in the contemporary church. Of particular interest will be the connection (or not) of Christian discipleship to issues of war and peace. Students will engage Biblical texts, texts from the early church, medieval, Reformation, and Enlightenment periods, and recent sources as a way of confronting contemporary issues surrounding war and peace. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3740 Social Issues in Christian Perspective [T] (3.0 credit hours) An examination of how the Christian imagination informs and addresses several social issues in today's world. Students will choose a specific social issue from areas such as medical ethics, business ethics, political ethics, and sexuality. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS/ENGL-3760 Literature and Theology [T] (3.0 credit hours) An interdisciplinary study of literary and doctrinal texts that invites students to experience these sources theologically and imaginatively, doing so in a way that enables the study of various themes such as redemption, forgiveness, love and fidelity to others and to creation. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in either Biblical and Theological Studies or introductory English (1010-1050), the latter of which must include one of ENGL-1010, 1020, or 1050; or permission of the instructor.*

BTS-3770 Anabaptist-Mennonite Theology [T] (3.0 credit hours) A study of several central beliefs of the Anabaptist-Mennonite faith tradition. Examples are church-world, baptism, pacifism, biblical authority, and discipleship. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS/PCTS-3780 Faith and Toleration [T] (3.0 credit hours) This course explores the dynamics of faith and toleration in historical and contemporary perspective within the Christian tradition. The course addresses topics such as the following: violence within Christianity, settler and Indigenous relations, race relations, gender identity and the church, domestic violence, and interreligious relations. An over-arching aim in the course is to interrogate the notion of "toleration" and to develop theoretical resources that support the work of reconciliation and peace. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3895 Topics in Theology [T] (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-3995 Topics in Biblical and Theological Studies [Th] (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

BTS-4000 Honours Thesis (6.0 credit hours) *This course is restricted to students completing an honours program in BTS. Eligible students should request a document outlining the procedures and requirements for this project from the Program Chair.*

BTS-4030 Pentateuch [B] (3.0 credit hours) This course will focus on the first five books of the Hebrew Bible also known as the Torah. We will examine a number of introductory issues (such as composition and background) and give some attention to the Pentateuch's major themes (creation, people, Exodus, war, covenant, law, sacrificial system, etc.). The course will also survey all five books in order to assess their theological significance both with respect to ancient Israel and the church today. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours of Biblical and Theological Studies.*

BTS-4040 Old Testament Theology [B] (3.0 credit hours) The primary objective of this course is to articulate the notion of a theological centre and to verify how it is expressed in its various parts. This centre will be used as a principle of integration for the diversity of phenomena attested in the Hebrew Bible, as well as to facilitate the discussion of its theological and pastoral relevance. In addition, we will examine some of the Old Testament's most critical issues such as: creation, covenant, law, war, the sacrificial system, etc. Students will be challenged to develop their hermeneutical skills with regard to the literary specificity of the major sections of the Old Testament (Law, Prophets and Writings). *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours of Biblical and Theological Studies.*

BTS-4100 Biblical Theology [B] (3.0 credit hours) This course explores a variety of topics and trends in biblical theology. The focus could be the whole Bible, the Old Testament, or the New Testament. Topics could include: the central themes that characterize the unity and the diversity of the Bible; a survey of approaches to biblical theology; the relationship of Old Testament and New Testament; the authority of the Bible; exploring recent work in either Old Testament or New Testament theology; and the influence of contemporary intellectual trends on the discipline of biblical theology. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4110 Independent Study in Bible [B] (3.0 credit hours) Reading and research in the field of a student's interest, carried out under the direction of a faculty member. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4120 Readings in Biblical Hebrew [B] (3.0 credit hours) Translation and interpretation of selected Old Testament Hebrew passages. Increasing competence in

vocabulary and grammar will be emphasized. *Prerequisite: LANG-2320; 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4140 Readings in Biblical Greek [B] (3.0 credit hours) Translation and interpretation of selected New Testament Greek passages. Increasing competence in vocabulary and grammar will be emphasized. *Prerequisite: LANG-2420; 30 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS/HIST-4180 Jews and Christians in Greco-Roman Society [B] (3.0 credit hours) This course will study the development of Jewish and Christian self-definition during the formative years of the new community of Christians in the Greco-Roman world. The investigation will focus on Jewish religious and social life in the second temple period, the pre-Pauline Jewish Christian community, Paul and the launching of the Gentile world mission, the development of Christologies in the new communities, and the forces that separated the Christian and Jewish communities. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4190 James and the Sermon on the Mount [B] (3.0 credit hours) The Sermon on the Mount and the Epistle of James both envision a way of life for followers of Jesus that is distinctive, demanding, and ultimately life-giving. They address some common themes: wealth and poverty, persecution, law, prayer, and speech ethics, to name a few. At the same time, James and the Sermon on the Mount are also very different, in terms of genre, style, canonical setting, and historical context. The person of Jesus figures very differently in each. This course will be a study of these two influential bodies of writing, with attention to overall literary structure, canonical context, social historical setting, theological themes, and ongoing relevance for Christian faith. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4200 Bible and Emotion [B] (3.0 credit hours) Are there good and bad emotions? Jesus is recorded as weeping in public, getting angry, extending kindness to children, and loving flowers. Similarly, other characters in the Psalms and elsewhere bring positive emotions like happiness and trust and negative emotions like sorrow and anxiety into community life. The course asks if human flourishing today is better enabled in allowing the manifestation of the full range of human emotions in religious and public life. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4295 Topics in Biblical Studies [B] (3.0 credit hours) A study of selected writings and/or themes in the Bible. Possible topics, which may span the whole Bible or focus on either testament, include: creation and

recreation, covenant and community, law and justice, images of God and humanity, Christology, the theology of Paul, ecclesiology, etc. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4400 The Art of Preaching [PT] (3.0 credit hours) This course seeks to cultivate the skills needed to preach effectively by exploring topics like the nature and purpose of preaching, how to move from biblical text to sermon, creative sermon forms, and the power of stories and illustrations. Students will have opportunity to practice basic skills of oral communication and find their own unique preaching voice. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4410 Independent Study in Practical Theology [PT] (3.0 credit hours) A study in a specific area of practical theology under the direction of a faculty member. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours of Biblical and Theological Studies.*

BTS-4420 Christian Worship [PT] (3.0 credit hours) This course will include a biblical, historical, and theological examination of worship, as well as focus on issues related to the contemporary practice of worship, including worship in the Anabaptist-Mennonite experience. Practical implications of worship will also be explored such as worship planning, worship leading, and the visual arts in worship. *May not be held for credit together with the former BTS-3410. Prerequisite: 60 credit hours of university-level studies, including 9 credit hours of Biblical and Theological Studies.*

BTS-4430 Christian Spirituality [PT] (3.0 credit hours). This course introduces students to the study of Christian spirituality by examining diverse traditions of Christian spirituality historically and presently, by considering the scriptural and theological moorings of these traditions, and by engaging in research that studies spiritual life. Through these explorations, students will be invited to consider their own spiritual heritage and ongoing spiritual development. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4435 Anabaptist Spirituality [PT] (3.0 credit hours) The spirituality of sixteenth-century Anabaptists has shaped differing Mennonite denominations and inspired other Christian groups. This course traces key expressions of this 'radical Reformation' spirituality and considers how they are expressed in contemporary Christian contexts. Students will read writings about and by the first Anabaptists, pray Anabaptist prayers, and explore implications of Anabaptist spirituality for the students' own contexts. *Prerequisite: 60 credit hours of university-*

level studies, including 9 credit hours of Biblical and Theological Studies.

BTS-4430 Prayer [PT] (3.0 credit hours) This course will help students develop their convictions and practices of prayer—both individual and communal—by examining Christian prayer in scripture (incl. Psalms, the Lord’s Prayer, and other New Testament prayers), as well as theology and church history. Students will be given opportunities to experience and respond to various prayer practices individually and in groups. An underlying theme for the course is ‘No one prays alone.’ *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4440 Spiritual Formation [PT] (3.0 credit hours). This experience-centred course introduces students to practices and perspectives for growing in attentiveness to God’s presence in order to be continually formed into Christlikeness by the Holy Spirit. The course helps cultivate spiritual habits that can sustain students in their future ministries within and beyond local congregations. Both individual and communal spiritual formation will be explored. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4450 Practices, Rituals, and the Christian Imagination [PT] (3.0 credit hours) The most vital and subtle lessons of the Christian faith and life are conveyed in practices, rituals, and gestures, which are formative and powerful because they are embodied theology that refuses to separate the mind, heart and body. This course will explore central Christian practices such as Baptism, the Eucharist, Weddings & Funerals and consider new and emerging rituals and practices in Christian faith communities. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours of Biblical and Theological Studies.*

BTS-4460 Faith Formation and Christian Education [PT] (3.0 credit hours) “Christians are made, not born...” (Tertullian) This course will examine ministry as a means of nurturing faith, forming disciples, and equipping the saints. It will examine various models of faith formation including Christian/Religious education paradigms and personal and communal practices as places for faith formation. The primary focus of the course will be on creating an ecology for growing mature Christians with insights that can be extended to a variety of faith settings including the congregation, camp, Christian schools, or youth ministry. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours of Biblical and Theological Studies.*

BTS-4470 Moving Beyond Church Walls [PT] (3.0 credit hours) This course explores how the mission of God shapes the church’s practices of mission. Students will consider the challenges of, and opportunities for,

communicating the gospel with words and actions in diverse Canadian contexts. Topics to be considered include the nature of the church; belonging to a witnessing, reconciling community; describing the gospel; and how local, ecumenically diverse congregations integrate their theology and praxis of mission. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours of Biblical and Theological Studies.*

BTS-4495 Topics in Practical Theology [PT] (3.0 credit hours) A course in a particular area of practical theology. The content of this course will vary and will be announced in time for student registration. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours of Biblical and Theological Studies.*

BTS-4500 Topics in Mennonite Studies [HC] (3.0 credit hours) A topic will be selected for special study. The topic may be defined chronologically, (e.g., Mennonites and economics from sixteenth century to the present), geographically (e.g., Mennonites in Canada, the United States, or Poland and Prussia), or by subject matter (e.g., Anabaptist-Mennonite confessions of faith). *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4520 Independent Study in the History of Christianity [HC] (3.0 credit hours) Reading and research under the direction of a faculty member. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4595 Topics in the History of Christianity [HC] (3.0 credit hours) A study of a selected topic in the History of Christianity. The topic may be defined chronologically, geographically, or by subject matter, and is chosen for its potential to illuminate contemporary developments in the Christian Church from an historical perspective in the context of relevant primary documents and recent historiography. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4710 Independent Study in Theology [T] (3.0 credit hours) Readings under the direction of a faculty member in theology. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4720 Contemporary Theological Themes [T] (3.0 credit hours) A seminar in which topics like the following are considered: discipleship, post-modern approaches to theology, ecclesiology, etc. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4730 Theological Ethics [T] (3.0 credit hours) This course will examine the development of Christian ethical reflection within a biblical, theological, liturgical, and historical framework. Such an approach will provide students the possibility of entering into conversation with various Christian ethical traditions. While this is not primarily a survey course in methods and theories, considerations of what it might mean to shape Christian ethics theologically will expose students to a variety of approaches and specific issues. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4740 Systematic Theology [T] (3.0 credit hours) This course gives attention to the major themes of Christian belief such as revelation and the authority of scripture, God and creation, the nature of humanity, the person and work of Jesus Christ, sin and salvation, the nature of the church and its practices, the Christian life, and eschatology. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4790 God Through the Centuries [T] (3.0 credit hours) This seminar course is a study of how the church has understood and thought about God. We will read seminal writings across the historical Christian tradition in our attempt to understand 'theology proper,' the doctrine of God. We will pay particular attention to the varied approaches and methods taken in the sources we encounter. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

BTS-4895 Topics in Theology [T] (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

Biology

BIOL-1010 The Evolutionary and Ecological Revolution (3.0 credit hours) An introduction to ecology from a historical perspective, starting with the natural philosophers of the 18th century, through Darwin and his contemporaries, to the present day and the role of ecology in addressing environmental and resource development issues.

BIOL-1020 The Genetic Revolution (3.0 credit hours) A journey through the historical development of our understanding of genes and their role in the development and evolution of living organisms. This course will emphasize the process of scientific discovery, from Mendel's "heritable factors" to Crick's "central

dogma" of molecular Biology and our ever-growing ability to manipulate genetic information.

BIOL-1310 Cells and Energy (3.0 credit hours) This course will focus on the structure and work of cells as the fundamental units of life. Topics include membranes, the structure and function of organelles including the cytoskeleton, the cell cycle, enzymes, and the central metabolic pathways common to most living organisms. Includes a laboratory component (BIOL-1310L). *A laboratory fee will be assessed. Prerequisite: Biology 40S, Chemistry 40S, and Math 40S (applied or pre-calculus), recommended corequisite: BIOL-1010. Students may not hold credit both for this course and the former BIOL-1331.*

BIOL-1320 Diversity of Life (3.0 credit hours) A survey course of organismal biology, with a focus on phylogenetic relationships between organisms, and form and function of living organisms within the context of their biotic and physical environments. Includes a laboratory component (BIOL-1320L). *A laboratory fee will be assessed. Prerequisite: BIOL-1310 or BIOL-1010. Students may not hold credit both for this course and the former BIOL-1341.*

BIOL-1350 Microbes, Health, and Illness (3.0 credit hours) An introduction to the essential principles of microbiology, with an emphasis on human health. The course covers basic biochemistry and surveys the major types of microbes (bacteria, protists, micro-fungi, and viruses). Building on that foundation, we will examine interactions between humans and pathogens, including the mechanisms of immune system function. Selected diseases will be discussed, as illustrations of general principles in host-microbe interactions.

BIOL-1360 Anatomy of the Human Body (3.0 credit hours) A study of microanatomy and gross anatomy, including changes occurring from conception to old age. Includes a laboratory requirement (BIOL-1360L). *A laboratory fee will be assessed. No prerequisite but high school biology and chemistry strongly recommended. Students may not hold credit for both this course and BIOL-1361.*

BIOL-1361 Human Anatomy and Physiology I (3.0 credit hours) The first course of a 2-semester comprehensive study of human anatomy and physiology. Interactions between form and function are examined at the cellular, tissue, organ, system, and organismal level. Topics include body plan & organization, homeostasis, cellular biology, histology, integumentary system, skeletal system and articulations, muscular system, nervous system, general and special senses, and endocrine system. Includes a laboratory requirement (BIOL-1361L). *A laboratory fee will be assessed. No prerequisite but high school biology strongly recommended. Students may not hold credit both for this course and BIOL-1360.*

BIOL-1370 Physiology of the Human Body (3.0 credit hours) A course on the functions of all anatomical systems of the human body, with homeostatic regulatory mechanisms as foundational themes. Includes a laboratory requirement (BIOL-1370L). *A laboratory fee will be assessed. Prerequisite: BIOL-1360 or 1320. Students may not hold credit for both this course and BIOL-1371.*

BIOL-1371 Human Anatomy and Physiology II (3.0 credit hours) The second course of a 2-semester comprehensive study of human anatomy and physiology. Interactions between form and function are examined at the cellular, tissue, organ, system, and organismal level. Topics include cardiovascular system, lymphatic system and immunity, respiratory system, digestive system, urinary system, reproductive system, inheritance, and embryology. Includes a laboratory requirement (BIOL-1371L). *A laboratory fee will be assessed. Prerequisite: BIOL-1361. Students may not hold credit both for this course and BIOL-1370.*

BIOL/GEOG/IDS-2010 Introduction to Global Health (3.0 credit hours) A survey of global health issues, including infectious and neglected tropical diseases, malnutrition and the nutrition transition, maternal and child health, and environmental health. *Prerequisite: 30 credit hours of university-level studies.*

BIOL-2100 Genetics of Eukaryotes and Bacteria (3.0 credit hours) Mendelian genetics: genetic interactions, linkage, and chromosome mapping. Meiosis and its implications, including chromosomal abnormalities, gene duplications and deletions. Transcription, translation, and the regulation of gene expression. Population genetics and evolution. Includes a laboratory requirement (BIOL-2100L). *A laboratory fee will be assessed. Pre-requisite: BIOL-1020, recommended: BIOL-1310 and 1320.*

BIOL-2200 Microbiology (3.0 credit hours) An introduction to the structure, physiology and genetics of microorganisms and viruses, focusing on bacteria. Laboratory work will cover aseptic technique, methods for growing, identifying and enumerating microbes in cultures and specimens, and introduce students to central topics in bacterial genetics. Includes a laboratory component (BIOL-2200L). *A laboratory fee will be assessed. Prerequisite: BIOL 1310 and 1320.*

BIOL-2300 Cell Biology (3.0 credit hours) An introduction to cell biology with a focus on eukaryotic cells. Lectures and labs will introduce students to apply microscopy, biochemistry, and molecular genetics to study structure and function at the cellular level of organization. Subjects to be explored include the structure, genesis, and function of biological membranes; the endomembrane system and its role in the post-translational modification and transport of proteins; cellular communication and signaling; the cytoskeleton;

intercellular junctions and the extracellular matrix; and the regulation of the cell cycle. *Prerequisite: BIOL-1310. Recommended: CHEM-1010 and CHEM-1020.*

BIOL-2410 Biology of Invertebrates (3.0 credit hours) Invertebrates comprise most of the described species on this planet and illustrate a breathtaking diversity of life histories—all of which impact other organisms (including humans) in both beneficial and detrimental ways. In this course, we will survey major groups of invertebrates, examining their evolution, ecological roles, behaviour, anatomy, and physiology. *Includes a laboratory component (BIOL-2410L). A laboratory fee will be assessed. Prerequisite: BIOL-1320 or permission of the instructor.*

BIOL-2510 Principles of Ecology (3.0 credit hours) Introduction to the study of ecological systems: energy and nutrient flows in ecosystems, dynamics of plant and animal populations, structure of ecological communities and functioning of ecosystems, and ecological processes that structure biological communities in space and time. *Includes a laboratory component (BIOL-2510L). A laboratory fee will be assessed. Prerequisite: BIOL-1010 or 1320.*

BIOL-3400 Developmental Biology (3.0 credit hours) This course covers the present understanding of the molecular mechanisms that regulate animal development and their implications for human diseases. It will examine fundamental aspects of morphogenesis including early embryo development, tissue patterning, and growth and regeneration. To do so, vertebrate and invertebrate models are studied. *Prerequisite: BIOL-1310, BIOL-1320, and one of BIOL-2100 or BIOL-2300.*

BIOL-3510 Conservation Biology (3.0 credit hours) The focus of this course is on applied aspects of ecology, including conservation of biodiversity, habitat, and natural resources, impacts of disruptions to ecosystems such as introduction of invasive species, habitat destruction and fragmentation, climate change, and urban ecology. Emphasis will be put on using the primary scientific literature to understand concepts. *Prerequisite: BIOL-2510; recommended: BIOL 2100.*

BIOL-3600 Introduction to Mathematical Biology (3.0 credit hours) Introduction to mathematical biology through the lens of nonlinear difference and differential equations. Features of these systems include stability, periodicity, attractors, bifurcation, fractals, and chaos. Project-based learning and computational analysis will be emphasized throughout, focusing on biological applications including population, harvesting, predator-prey, competition, host-parasite, disease, and epidemic models. *Prerequisite: MATH-1030 and 30 credit hours of university-level studies. Corequisite: BIOL-2510. Students may not hold credit for both this course and MATH-3050.*

BIOL-3950 Topics in Biology (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors.

BIOL-4380 Molecular and Cellular Laboratory Methods (3.0 credit hours) A project-based laboratory course in molecular biological and microscopy-based methods for the analysis of gene expression and organelle function. *Prerequisite: CHEM-2110, BIOL-1020, 1310, and one of BIOL-2100 and BIOL-2200. Students may not hold credit for this course and the former BIOL-3380.*

BIOL-4580 Quantitative Research Methods in Ecology (3.0 credit hours) This course covers some of the most common research methods from ecology, using as examples species and habitat types common to the region of southern Manitoba. Experimental design, field data collection methods, and data analysis and presentation in ecology will be taught through major group projects. *Prerequisite: BIOL 2510 and MATH-1000; recommended: BIOL-3510. Students may not hold credit for this course and the former BIOL-3580.*

BIOL-4990 Senior Seminar in Evolution (3.0 credit hours) In this capstone seminar students will explore the multidisciplinary richness of biology using the theory of evolution as a unifying theme of the course. Through an individual project as well as guest speakers from within and outside the field of biology, students will explore how the theory of evolution, and biology more broadly, has shaped people's imaginations, whether that be in the laboratory, the wider university, the church, or society at large. *Prerequisite: 60 credit hours of university-level studies, including 12 credit hours of Biology and 12 credit hours of Chemistry, Physics, and Mathematics combined.*

BIOL-4940 Independent Study in Biology (3.0 credit hours) A study in a specific area of Biology under the direction of a faculty member. *Prerequisite: 60 credit hours of university-level studies, including 18 credit hours in Biology.*

Business and Organizational Administration

Students may choose courses in Business and Organizational Administration to fulfill requirements for general electives in any degree program. Students who wish to concentrate in this subject field may choose to complete the Bachelor of Business Administration, or they may choose a major or a minor in Business and Organizational Administration in either the three- or the four-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

Note: Due to changes in the accounting profession in Canada, the CA, CMA, and CGA are now Chartered Professional Accountant (CPA). For the current status of accreditation under the CPA, please contact Craig Martin PhD, CMA in the Redekop School of Business.

BUSI-1000 Introduction to Business and Organizational Administration (3.0 credit hours) This course introduces various aspects of business and organizational operations and structure. The course covers areas such as business and organizational classifications, financial requirements, basic concepts and techniques, practices, and responsibilities.

BUSI-1750 Business Co-op Term 1 (0 credit hours) This cooperative work placement gives students the opportunity for supervised work experience in one of a variety of workplaces, from not-for-profits to small businesses to corporations to government. This gives students the opportunity to apply academic knowledge to real workplace settings. *Prerequisite: Admission to the Bachelor of Business Administration, Cooperative.*

BUSI-2000 Introductory Financial Accounting (3.0 credit hours) Examination of accounting postulates underlying the preparation and presentation of financial statements. **CPA approved preparatory course.** *A laboratory fee will be assessed. Prerequisite: BUSI-1000.*

BUSI-2010 Introductory Managerial Accounting (3.0 credit hours) Role of accounting in creation and application of business information used by decision-makers in the management of enterprise and organizations. **CPA approved preparatory course.** *Prerequisite: BUSI-2000. Corequisite: ECON-1000 or 1010.*

BUSI/PSYC-2020 Organizational Behaviour (3.0 credit hours) Examination of the impact of human behaviour on the formal and informal organization. Topics include leadership, work groups, organizational conflict, and communications. *Prerequisite: BUSI-1000 or PSYC -1020 or permission of instructor.*

BUSI-2030 Management and Organizational Theory (3.0 credit hours) Examination of the underlying principles concerning the formation of organizations and their internal management. Emphasis will be on the study and analysis of various theoretical approaches to organizational theory and management.

BUSI/POLS-2040 Business and Labour Law (3.0 credit hours) This course introduces the legal environment under which Canadian businesses and organizations operate. As a background, the Canadian constitution, courts and legislative system will be discussed. The second part discusses the legal aspects of the most common forms of businesses and organizations in Canada: sole proprietorships, partnerships, cooperatives,

and corporations. Further discussion will include tort and contract law and labour law in Canada. **CPA approved preparatory course.** *Prerequisite: BUSI-1000 or IDS-1110 or POLS-1000 or 1010.*

BUSI-2050 Fundamentals of Marketing (3.0 credit hours) Analysis of marketing problems, emphasizing various alternatives available for achieving economic efficiency in the distribution process; public policy with respect to marketing. *Prerequisite: BUSI-1000 or COMM-1000.*

BUSI/COMM-2080 Business and Organizational Communications (3.0 credit hours) This course will cover oral and written communications used in business and organizational settings. Topics covered include methods of logic, organization, analysis, presentation, and mechanics of written and oral communication. The course is designed to improve students' writing and public speaking skills. *Prerequisite: BUSI-1000 or IDS-1110 or COMM-1000.*

BUSI/POLS-2500 Social Entrepreneurship (3.0 credit hours) In this course we refer to a range of business classifications that blend social, ecological, and financial value between the public and private sectors. The course identifies unique opportunities for the sector, explores organizational and management issues specific to social enterprises, reviews the history of social enterprise structures, and critically reviews their impacts. We will also consider the value of the "entrepreneurial" approach, including attitudes towards risk tolerance, experimentation, and problem-solving. *Prerequisite: 30 credit hours of university-level studies.*

BUSI-2750 Business Co-op Term 2 (0 credit hours) This cooperative work placement gives students the opportunity for supervised work experience in one of a variety of workplaces, from not-for-profits to small businesses to corporations to government. This gives students the opportunity to apply academic knowledge to real workplace settings. *Prerequisite: BUSI-1750.*

BUSI-2950 Topics in Business and Organizational Administration (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: To be determined, depending on the topic.*

BUSI/PSYC-3000 Organizational Leadership (3.0 credit hours) Examination of the theory and practice of leadership and decision-making in organizations. Topics include trait, behavioural and situational models of organizational leadership, leadership as power and influence, and processes involved in the decision making of individuals and groups, large and small, formal and informal. Attention will also be given to development of

skills in leadership. *Prerequisite: 30 credit hours of university-level courses.*

BUSI-3010 Intermediate Accounting: Assets (3.0 credit hours) This course concentrates on policies and practice related to the measurement and recording of an organization's assets and the asset side of an organization's balance sheet. **CPA approved preparatory course.** *Prerequisite: BUSI-2000.*

BUSI-3020 Intermediate Accounting: Liabilities and Equities (3.0 credit hours) This course concentrates on policies and practice related to the measurement and recording of a shareholder's or organization's equity, liabilities, and the equity side of an organization's balance sheet. **CPA approved preparatory course.** *Prerequisite: BUSI-2000.*

BUSI/MATH-3040 Quantitative Methods in Business and Organizational Administration (3.0 credit hours) This course covers multiple regression analysis, forecasting, time series and linear programming as they are applied to organizational decision making. The course also discusses the application of these topics to management science techniques and models. **CPA approved preparatory course.** *Prerequisite: MATH-1000.*

BUSI/COMP-3050 Management Information Systems (3.0 credit hours) This course focuses on managing information as a valuable business and organizational resource. It examines the role and applications of information technology in managing operations as well as the effects of information technology on organizational structure and workers. **CPA approved preparatory course.** *Prerequisite: MATH-1000.*

BUSI-3060 Operations Management (3.0 credit hours) The decision-making role of the operations manager in transforming inputs into desired outputs is the primary focus of this course. The major activities of designing, scheduling, operating, and controlling the production system will be examined. *Prerequisite: BUSI-2000.*

BUSI-3070 Taxation (3.0 credit hours) This course deals with the applications of federal and provincial income tax regulations and their impact on corporations, businesses, and individuals. Problems, issues, and planning associated with the Income Tax Act are examined. The computation of taxable income and taxes payable by individuals, corporations, partnerships, and trusts are also studied. *Prerequisite: BUSI-2010.*

BUSI-3080 Intermediate Managerial Accounting (3.0 credit hours) This case-based course concentrates on organizational planning, financial control, and cost specifications needed to determine income and cost requirements for policy and non-routine decision-

making. **CPA approved preparatory course.**

Prerequisite: MATH-1000 and BUSI-2010 or equivalent.

BUSI-3100 Financial Management (3.0 credit hours)

This course focuses on the role of the financial manager of a business or an organization. Topics to be covered include financial analysis and forecasting, and the management of cash, accounts receivable, inventories, and liabilities needed to manage the organization's operations. **CPA approved preparatory course.**

Prerequisite: BUSI-2000 and MATH-1000. Corequisite: BUSI-2010.

BUSI-3200 Human Resource Management (3.0 credit hours)

A practical study into how organizational leadership, structure, and behaviour influences how organizations obtain, maintain, and retain human resources that are essential to achieve their objectives.

Prerequisite: BUSI/PSYC-2020 or permission of the instructor.

BUSI-3300 Not-for-Profit Management (3.0 credit hours)

This course explores the unique challenges inherent in managing not-for-profit organizations. Topics will include mission, governance, marketing, volunteerism, fundraising, stakeholder services, impact of technology, and the internationalization issues faced by not-for-profit organizations. *Prerequisite: BUSI/PSYC-2020 or BUSI-2030 and BUSI-1000 or IDS-1110.*

BUSI-3400 Entrepreneurship and Small Business Management (3.0 credit hours)

This course considers the nature of entrepreneurship and the distinctive challenges of starting and managing a small business. Topics to be considered include financial planning, marketing, operations, management, and human resources.

Prerequisite: BUSI-1000 and BUSI-2050.

BUSI-3500 International Business (3.0 credit hours)

This course examines how global economic, political, and cultural factors affect the strategies of companies involved in international business and trade. Topics include: globalization and international business strategy, free trade and regional economic integration, currencies and foreign exchange rates, exporting and foreign direct investment, international management and organizational structure, political and cultural differences in national markets. *Prerequisite: 60 credit hours of university-level studies.*

BUSI-3750 Business Co-op Term 3 (0 credit hours)

This cooperative work placement gives students the opportunity for supervised work experience in one of a variety of workplaces, from not-for-profits to small businesses to corporations to government. This gives students the opportunity to apply academic knowledge to real workplace settings. *Prerequisite: BUSI-2750.*

BUSI-3760 Business Co-op Term 4 (0 credit hours)

This cooperative work placement gives students the opportunity for supervised work experience in one of a variety of workplaces, from not-for-profits to small businesses to corporations to government. This gives students the opportunity to apply academic knowledge to real workplace settings. *Prerequisite: BUSI-3750.*

BUSI-3950 Topics in Business and Organizational Administration (3.0 credit hours)

The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: to be determined, depending on the topic.*

BUSI-4000 Christianity and the Marketplace (3.0 credit hours)

Christian businesspeople often face challenges in harmonizing their faith commitments and business practices. This course brings together theology, ethics, and law to study Christian decision-making in a business environment. Through case studies of common business dilemmas, students will begin to develop the wisdom to address these dilemmas in ways that account for both faith and business considerations. *Prerequisite: BUSI/POLS-2040, PHIL-2070 and at least one of the following: BTS-2230, BTS-2250, BTS-2750, BTS-2800, BTS-3110, BTS-3240, or BTS-3450.*

BUSI-4001 Thesis in Business and Organizational Administration (6.0 credit hours)

This course is restricted to students completing the Bachelor of Arts, four-year major. For information on eligibility, due dates, procedures, and requirements, students should request a document from the Registrar's Office. Approval of the application will be contingent on the availability of faculty members to serve as thesis advisor and second reader.

BUSI-4010 Strategic Management (3.0 credit hours)

This case-based course takes the perspective of the general manager with responsibility for the overall organization, rather than that of a functional specialist. Topics include the nature of strategy and its function for an organization; the characteristics of effective strategy; and how strategy forms and evolves in relation to an organization's environment, competition, capabilities and the values and ambitions of its leadership. **CPA approved preparatory course.** *Prerequisite: BUSI-2000, BUSI/PSYC-2020, BUSI-2030, and BUSI-2050.*

BUSI-4020 Business and Organizational Policy (3.0 credit hours)

This course synthesizes the principles of management with emphasis on the formation of decisions and policies. Its purpose is to enable the student to draw on analytical tools and information to understand comprehensive business problems. **CPA approved preparatory course.** *Prerequisite: 9 credit hours of business courses at the 3000 level or higher, including BUSI-4010.*

BUSI/IDS-4030 International Microfinance (3.0 credit hours) This course investigates 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), microsavings and insurance programs, cultural and social factors. The course offers a unique mix of theory and practice as students will have the opportunity to work on projects relating to current issues with microfinance programs in various regions of the world. *Prerequisite: BUSI-1000 or IDS-2110 and 60 credit hours of university-level studies, or permission of the instructor.*

BUSI/IDS-4040 Economic Development and Microfinance Study Tour (3.0 credit hours) This study tour offers experience-based learning opportunities for students to see first-hand how international development impacts individuals and communities in underdeveloped regions around the world. The trip is offered in conjunction with BUSI/IDS-4030 International Microfinance and focuses on aspects of economic development and microfinance—the provision of small loans and financial services to the poor. Activities include: visiting partner organizations and NGOs in various countries, meeting microenterprise loan recipients and observing their group meetings, interacting with local community and church leaders to learn about the cultural and social context in each country. *Prerequisite: BUSI/IDS-4030 International Microfinance, or permission of the instructor.*

BUSI/POLS-4050 Business in the European Union (3.0 credit hours) This course explores the business and political environment in Europe and the impact of European integration in a regional and global context. Topics include: history and development of the EU, political institutions, economic integration and the single European market, monetary union and the Euro currency, trade and foreign policy, Canada-EU relations, political and cultural contexts in Europe, enlargement and expansion to Eastern Europe. *Prerequisite: BUSI-3500 International Business or 60 credit hours of university-level studies.*

BUSI/POLS-4060 Business in Europe Study Tour (3.0 credit hours) This travel study offers experience-based learning opportunities for students to see first-hand how economic and political forces of integration and change are influencing businesses, communities, and citizens across Europe. Activities include: visits to the EU Council, Commission and Parliament in Brussels; briefings at the European Central Bank in Frankfurt; visits to global financial institutions in London, UK; meetings with Canada-EU diplomatic and trade officials; visits to various businesses, manufacturing plants, churches and

community development projects in Central and Eastern Europe. Tentative dates: late April to mid-May. *Prerequisite: BUSI/POLS-4050 Business in the European Union, or permission of the instructor.*

BUSI-4070 Advanced Financial Accounting (3.0 credit hours) This course familiarizes students with current advanced accounting concepts and theories. The major focus will be the fundamentals and advanced topics related to corporate consolidations. In addition, the course examines the complex accounting and upcoming issues involved in both foreign subsidiaries and foreign currency translation. *Prerequisite: BUSI-3010 and BUSI-3020.*

BUSI-4080 Advanced Managerial Accounting (3.0 credit hours) Students learn to perform analyses to support managerial decisions, to design and implement effective management control systems, and to develop an awareness of the moral responsibilities of management accountants. Topics include management accounting and management decisions; relevant information and complications in short-run decisions; capital budgeting; contemporary approaches to product costing; activity-based management; agency theory; responsibility accounting and transfer pricing; and ethical considerations. *Prerequisite: BUSI-3080.*

BUSI-4090 Audit and Control (3.0 credit hours) This course familiarizes students with basic concepts and theories, the auditor decision making process, the legal environment of auditing in Canada, the nature and sources of audit evidence and the internal control process. *Prerequisite: BUSI-3010 & BUSI-3020.*

BUSI-4750 Business Co-op Term 5 (0 credit hours) This cooperative work placement gives students the opportunity for supervised work experience in one of a variety of workplaces, from not-for-profits to small businesses to corporations to government. This gives students the opportunity to apply academic knowledge to real workplace settings. *Prerequisite: BUSI-3760.*

BUSI-4760 Business Co-op Term 6 (0 credit hours) This cooperative work placement gives students the opportunity for supervised work experience in one of a variety of workplaces, from not-for-profits to small businesses to corporations to government. This gives students the opportunity to apply academic knowledge to real workplace settings. *Prerequisite: BUSI-4750.*

BUSI-4950 Topics in Business and Organizational Administration (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: To be determined, depending on the topic.*

Chemistry

CHEM-1010 Structure and Modelling in Chemistry (3.0 credit hours) An introduction to atomic and molecular structures, chemical bonding, chemical reactivity, to the bulk properties of matter, and the descriptive chemistry of the elements. Includes a laboratory requirement (CHEM-1010L). *A laboratory fee will be assessed.*
Prerequisite: Applied Mathematics 40S or Pre-calculus Mathematics 40S, and Chemistry 40S (or equivalents).

CHEM-1020 Physical Chemistry (3.0 credit hours) An introduction to topics including thermochemistry, chemical thermodynamics, and chemical kinetics. Includes a laboratory requirement (CHEM-1020L). *A laboratory fee will be assessed. Prerequisite: CHEM-1010.*

CHEM-2010 Organic Chemistry I: Structure and Function (3.0 credit hours) An introduction to the concepts of organic reactivity and bonding in organic molecules. Preparation and properties of functionalized organic molecules. *A laboratory fee will be assessed.*
Prerequisite: CHEM-1020.

CHEM-2020 Organic Chemistry II: Reactivity and Synthesis (3.0 credit hours) An introduction to the concepts of organic reactivity and bonding in organic molecules. Preparation and properties of functionalized organic molecules. *A laboratory fee will be assessed.*
Prerequisite: CHEM-2010.

CHEM-2110 Biochemistry I: Biomolecules and Metabolic Energy (3.0 credit hours) This course is an introduction to the structure and function of biomolecules, including proteins, carbohydrates, nucleic acids, and lipids. This course also explores the mechanisms and kinetics of enzyme-catalyzed reactions and bioenergetics. Includes a laboratory requirement. *A laboratory fee will be assessed. Prerequisite: CHEM-1020 and BIOL-1320.*

CHEM-3110 Biochemistry II: Catabolism, Synthesis, and Metabolic Pathways (3.0 credit hours) An introduction to the basic metabolic pathways in living cells, including the production and use of metabolic energy; the degradation and synthesis of biomolecules; the synthesis of DNA, RNA, and proteins; and the regulation and integration of these processes. Includes a laboratory requirement. *A laboratory fee will be assessed.*
Prerequisite: CHEM-2010 and CHEM-2110.

Communications and Media

Studies in Communications and Media can prepare students for careers in journalism, marketing, or public relations. Students desiring to enhance their communication capacities and skills-base for future work,

service, or study will also derive great benefit from studies in this field. Students will develop knowledge of the practices of organizational communication. They will increase their understanding and mastery of effective communication across cultures. In addition, they will analyze mass media and specialized or alternative media, investigating the political, social, cultural, and economic roles of each. Students will also apply their skills in writing, editing, design, broadcasting, and new technologies.

Students may choose courses in Communications and Media to fulfill requirements for general electives in any degree program. Students who wish to concentrate in this subject field may choose a major or a minor in Communications and Media in either the three- or the four-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

COMM-1000 Introduction to Communications and Media (3.0 credit hours) This course introduces students to mass communications and media with a focus on Canada. The course will investigate topics such as how media shapes our understanding of ourselves and our society, the ethics of public communication, and the industry structures that govern how we tell stories. The course includes a creative production component. *A technology fee will be assessed for this course.*

COMM-1015 Media Skills: Introduction to Digital Production (3.0 credit hours) This media skills course introduces students to the core concepts and tools involved in digital media production. Students will be introduced to field equipment, hardware and software production tools in audio, music production, photography, video, livestreaming, and graphic design. Digital asset management and workflows will also be investigated. Students will work with field equipment, use studio spaces, and explore their creativity. The course is an excellent survey of the vocabulary and processes of digital media production.

COMM-2000 New Media (3.0 credit hours) This course investigates the user-experience, theory, and current trends in the field of New Media. The course's core interests are in identifying and understanding the principles of New Media design and experience, and in applying these principles to the analysis of New Media artefacts and environments. The course will enhance the capacity of students to understand, design, and assess current and future developments in emergent digital media.

COMM-2010 Digital Video Storytelling (3.0 credit hours) This is an introductory course in film-style production in the medium of digital video. Instruction will include all the elements of production, including scriptwriting, storyboarding, videography, sound,

lighting, and editing. A core interest of the course is to understand the technical and aesthetic language of images in motion. Students work in creative, collaborative teams to produce several short video pieces. *A technology fee will be assessed for this course. Prerequisites: COMM-1000 and COMM-1015, or permission of the instructor.*

COMM-2015, 3015, 4015 Media Skills (3.0 credit hours)

These workshops offer technical training in various aspects of applied media production. They are often linked to the production of specific internal or external projects. A student may enrol multiple times in workshops designed as production team experiences, provided the student takes on a unique role in the team each time. Some workshops require that students be available for particular events. *A technology fee will be assessed for this course. Prerequisite: For production team workshops, admission will be on the basis of an interview for a place in the team.*

COMM-2020 Oral Communication (3.0 credit hours)

This course covers the theory and practice of formal and informal speeches, presentations, interviews, meetings, and other forms of oral communication. The course is designed to enhance public speaking ability and seeks to develop skills in the use of microphones, visual aids, and body language for engaging small and large audiences.

COMM-2040 Audio Engineering and Production Techniques (3.0 credit hours)

An introduction to the techniques and technologies of audio recording production. The primary focus is recording in a studio environment. Remote location recording, live sound, multi-media production and broadcasting also are covered. A practical component includes recording music ensembles, voiceovers, and assisting in an audio production. *A technology fee will be assessed for this course. Prerequisite: COMM-1015 or permission of instructor.*

COMM-2050 Graphic Design (3.0 credit hours) A study of the creative use of the elements and principles of design as applied to the problems of graphic communication, and of the use of symbols, pictographs, writing and letter forms. *A technology fee will be assessed for this course. Prerequisites: COMM-1000 and COMM-1015, or permission of the instructor.*

COMM-2060 Journalism: Principles and Practice (3.0 credit hours) This course studies the principles and practices of journalism that can be applied to all media. Students examine the nature and role of the media, evaluate the news processes, consider the role of reporters, and learn basic journalism practices, including how to conduct an interview, how to write various kinds of articles, and how to do research for journalism. *A technology fee will be assessed for this course.*

BUSI/COMM-2080 Business and Organizational Communications (3.0 credit hours) This course will cover oral and written communications used in business and organizational settings. Topics covered include methods of logic, organization, analysis, presentation, and mechanics of written and oral communication. The course is designed to improve students' writing and public speaking skills. *Prerequisite: BUSI-1000 or IDS-1110 or COMM-1000.*

COMM-2115, 3115, 4115 Media Skills (1.0 credit hour)

These workshops offer technical training in various aspects of applied media production. They are often linked to the production of specific internal or external projects. A student may enrol multiple times in workshops designed as production team experiences, provided the student takes on a unique role in the team each time. Some workshops require that students be available for particular events. *A technology fee will be assessed for this course. Prerequisite: COMM-1015 or permission of instructor.*

COMM-2116, 3116, 4116 Media Skills (2.0 credit hours)

These workshops offer technical training in various aspects of applied media production. They are often linked to the production of specific internal or external projects. A student may enrol multiple times in workshops designed as production team experiences, provided the student takes on a unique role in the team each time. Some workshops require that students be available for particular events. *A technology fee will be assessed for this course. Prerequisite: COMM-1015 or permission of instructor.*

COMM-2117 Media Skills: Live Audio and Video Streaming (3.0 credit hours)

This course is a media production workshop that equips students with the skills in two aspects of live event production: sound systems and videostreaming. Students will learn to set up and operate sound and multi-camera videostreaming equipment. At the end of the course, students should be able to plan and implement basic sound and livestreaming events and know how to operate various systems at CMU. This is a production team experience that requires availability for athletics and other public events on campus. *A technology fee will be assessed for this course. Prerequisite: COMM-1015 or permission of instructor. Students cannot hold credit for both this course and the previous COMM-1XXX course of the same name.*

COMM-2118 Media Skills: Radio Team (3.0 credit hours)

This course is an applied media experience focused on broadcast radio production. The course will include training modules on particular aspects of radio production including interviewing skills, story development, studio voice tracking, audio editing and mixing. Students will work collaboratively on radio episodes that are heard on stations in Manitoba and distributed online. *A technology fee will be assessed for this*

course. *Prerequisite: COMM-1000 and COMM-1015, or permission of instructor.*

MUSC/COMM-2900 Music and Film (3.0 credit hours) This course offers an introduction to music and film for movie fans as well as those interested in visual media and music production. Within multimedia texts, sounds and visuals co-produce meaning, with music shaping how we see and images influencing how we listen. This course aims to illuminate these meaning-making processes, situating them in dynamic social and cultural contexts. Over the semester this course will explore historic and contemporary films from around the globe, along with different forms of media technologies such as the microphone, radio, and DVD. *Reading musical notation not required.*

COMM-2950 Topics in Communications and Media (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: To be determined, depending on the topic.*

POLS/COMM/SOCI-3000 Politics, Society, and Mass Media (3.0 credit hours) This course examines the relationship between the mass communications media and the political and social processes in which they operate, investigating the state of research on mass media, the role of media in creating and shaping political awareness, and in influencing human behaviour and values. Examples of topics which may be covered are: media ownership and organization patterns, media in the electoral process, the media in developing nations, the media and globalization, propaganda, media freedom and public opinion. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in social science.*

MUSC/COMM-3010 Music Production (3.0 credit hours) This course is an entry point for developing a skill set to serve the creative process of composition. These skills include planning and pre-production, composing, recording, editing, and mixing original musical compositions. Topics covered include: recording and editing audio; acoustics; using effects (reverb, EQ, compression etc.); scoring for film, live theatre and video games; mixing and finalizing music tracks; the business of Music Production. *Prerequisite: MUSC-1010 or permission of the instructor.*

COMM-3010 Theories of Communication in Everyday Life (3.0 credit hours) This course analyzes the character and significance of theory in communication and media studies. Various domains of everyday communication such as interpersonal, group, cross-cultural and mass media will be investigated through classical and contemporary communication theory. *Prerequisites:*

COMM-1000 and 30 credit hours of university-level studies, or permission of the instructor.

COMM-3015 Media Workshop (3.0 credit hours) This workshop is an applied media production experience focused primarily on media storytelling. Production teams will be mentored and supervised by CMU faculty and staff. The workshop will include focused training modules for particular aspects of media production. It will assist students in quality portfolio development. Students will work cooperatively on projects, which will normally be determined in consultation with the Communications and Marketing Department at CMU. The course may occasionally be offered as an intensive skills-building weekend workshop. The workshop may include a media production tour. *A technology fee will be assessed for this course. Prerequisite: COMM-2015 OR 2115 and 2116.*

COMM-3020 Group Communication and Creative Process (3.0 credit hours) This course surveys the theory and practice of communication within small groups in various contexts, exploring topics such as: roles; leadership and participation; brainstorming and idea assessment; group formation and team building; conflict; and problem solving and decision-making. Students will develop understanding and skills applicable in secondary groups such as work and activity groups, committees, boards, and media production teams. *Prerequisite: 30 credit hours of university-level studies, or permission of the instructor.*

COMM-3030 Public Relations (3.0 credit hours) This course examines the principles and practices of communication between corporate, public, and not-for-profit organizations and their various constituencies. It includes the study of public opinion research, communication campaigns, media relations, consumer identity, and representational ethics. Students learn basic skills including: assessing needs; designing, planning and evaluating communication strategies; writing news releases and planning news conferences. *Prerequisite: 30 credit hours of university-level studies, and one of COMM-1000, POL-1000, POL-1010, BUSI-1000, or PCTS-1110, or permission of instructor.*

COMM-3050 Advanced Graphic Design (3.0 credit hours) This course is a further study of the principles of design, notably as they work together in visual communication strategy. Student projects and exploration will include corporate identities, editorial and publication design, web page layout, and grid systems. Other topics include history and theory of visual culture, use of photography and illustration, and a continuation of the study of typography. *A technology fee will be assessed for this course. Prerequisite: COMM-2050.*

COMM-3060 Advanced Journalism: Multimedia (3.0 credit hours) This course extends introductory journalistic reporting and writing skills and responds to the evolving

media landscape. Journalists are increasingly required to have proficiency in developing multimedia stories across platforms such as video, audio, information graphics, and photo slideshows. The course will focus on story research, planning, and delivery. Principles of media law and ethics critical to the journalistic craft will also be elaborated. Students work towards publication in local and regional news outlets. *A technology fee will be assessed for this course. Prerequisite: COMM-2060.*

COMM-3800 Christianity and the Mass Media (3.0 credit hours) This course will investigate the relationship between Christian faith and the mass media through a series of case studies. It will explore two key questions. First, how do the faith convictions of the producer, host, or interviewer shape creative mass media (e.g., TV, radio) production? And second, how has mainstream media reported and portrayed Christian faith? The course will focus largely on current practices. *Prerequisites: COMM-1000 and 30 credit hours of university-level studies or permission of the instructor.*

COMM-3950 Topics in Communications and Media (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisites: COMM-1000 and 30 credit hours of university-level studies.*

COMM-4000 Thesis in Communications and Media (6.0 credit hours) *This course is restricted to students completing the Bachelor of Arts, four-year major. For information on eligibility, due dates, procedures, and requirements, students should request a document from the Registrar's Office. Approval of the application will be contingent on the availability of faculty members to serve as thesis advisor and second reader.*

COMM-4940 Independent Study in Communications and Media (3.0 credit hours) A study in a specific area of Communications and Media under the direction of a faculty member. *Prerequisites: COMM-1000 and a minimum of 60 credit hours of university-level studies.*

Computer Science

COMP-1010 Computer Applications and Concepts (3.0 credit hours) Introduces students to information technology, computers, and networks—their history, principles of operation, and a set of basic software applications. The focus is less on specific skills than on foundational concepts that will help students become informed and effective users and critics of information technology. *Prior computer experience is helpful, but not required. Includes a laboratory requirement. A laboratory fee will be assessed.*

COMP-1030 Introduction to Computer Science I (3.0 credit hours) This course introduces fundamental

programming skills and ideas. The Python programming language is used to apply concepts of problem solving, basic data structures, and procedural and functional abstraction. Course work includes a large number of small programming projects with larger projects in the second semester. Object-oriented programming techniques such as modularity and encapsulation will be emphasized. Includes a laboratory requirement (COMP-1030L). *A laboratory fee will be assessed.*

COMP-1040 Introduction to Computer Science II (3.0 credit hours) This course continues introducing fundamental programming skills and ideas. The Python programming language is used to apply concepts of problem solving, basic data structures, and procedural and functional abstraction. Course work includes a number of larger programming projects. Object-oriented programming techniques such as modularity and encapsulation will be emphasized. *Includes a laboratory requirement. A laboratory fee will be assessed. Prerequisite: COMP-1030.*

COMP-2010 Computer Implications: Social and Ethical (3.0 credit hours) An examination of ethical, social, and legal issues in the application of computers and information technology; the history and future of computers; intellectual property, civil liberties, and privacy; risks and liabilities of technology. *Prerequisite: 30 credit hours of university-level studies, or permission of the instructor.*

BUSI/COMP-3050 Management Information Systems (3.0 credit hours) This course focuses on managing information as a valuable business and organizational resource. It examines the role and applications of information technology in managing operations as well as the effects of information technology on organization structure and workers. *Prerequisite: MATH-1000.*

Economics

Economics is the inquiry into how societies organize themselves to provide for the material needs and wants of their members. Throughout most of human history, societies provided for the material needs of their members by hunting and gathering. The modern market economy is a relatively new development. Studies in Economics at CMU focus on assessing the strengths and weaknesses of the modern market economy to provide for the material needs and wants of the world, and also inquire how Christians should participate in that economy. Studies in economics prepare students for careers in business, financial services, government, and international organizations.

Students may choose courses in Economics to fulfill requirements for social sciences or general electives in

any degree program. Students who wish to concentrate in this subject field may choose a minor in Economics. For details regarding the requirements of a minor, see the ACADEMIC PROGRAMS section of this calendar.

ECON-1000 Introduction to Macro-economics (3.0 credit hours) An analysis of contemporary economic institutions and the application of macro-economic theory to current economic problems. The course will consider economic theories of the determination of national income, governmental monetary and fiscal policy, the role of money and the banking system, international trade, and the determination of foreign exchange rates. *Prerequisite: ECON-1010.*

ECON-1010 Introduction to Micro-economics (3.0 credit hours) An analysis of contemporary economic institutions and the application of micro-economic theory to current economic problems. The course will consider economic theories of production, consumption and exchange, price determination, and the role of competition.

ECON/IDS-2010 Economics of Development (3.0 credit hours) This course introduces neoclassical and alternative economic theories relevant to understanding various aspects of development: (i) national aspects, including theories of growth, inequality, labour, and the role of the state; (ii) international aspects, including theories of finance, international financial institutions, trade and globalization; and (iii) sub-national aspects of development, including theories of growth linkages, micro-credit, and community economic development. *Prerequisites: IDS-1110 or both ECON-1000 and 1010.*

ECON-2400 History of Economic Thought: Macro-economics (3.0 credit hours) An examination of the development of economic theory from ancient times until the present. This course will deal with theories of money, interest, and banking, focusing on the period from the mid-eighteenth to the early twentieth century. *Prerequisite: ECON-1000 or permission of the instructor.*

ECON-2410 History of Economic Thought: Micro-economics (3.0 credit hours) An examination of the development of economic theory from ancient times until the present. This course will deal with theories of private property, exchange, value, and distribution, focusing on the period from the mid-eighteenth to the early twentieth century. *Prerequisite: ECON-1010 or permission of the instructor.*

ECON/IDS/POLS-2420 Economics of Social Change (3.0 credit hours) Processes of social change (related to poverty reduction, peace-building, environmental sustainability, economic development) can be supported or inhibited by economic forces. This course will examine and apply (in a non-technical manner) key economic

principles that impact efforts to create social change. It also examines the assumptions of economic approaches, and the role of economics in the social sciences. *Prerequisites: 30 credit hours of university-level studies or permission of the instructor.*

ECON-2950 Topics in Economics (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: ECON-1000 or 1010.*

ECON-4940 Independent Study in Economics (3.0 credit hours) A study in a specific area of Economics under the direction of a faculty member. *Prerequisites: ECON-1000 and 1010; an additional nine credit hours in Economics, and a minimum of 60 credit hours of university-level studies.*

English

Through the study of English literature students learn to interpret texts, to communicate their interpretations effectively, and, in creative writing courses, to develop their own literary art. The study and creation of imaginative literature makes a unique contribution to the examined Christian life by teaching sensitivity to metaphor and narrative, necessary means by which we conceive of God and ourselves. Studies in English prepare students for careers demanding excellent communication and critical thinking skills, including journalism, media, business, law, publishing, church ministry, and teaching.

Students may choose courses in English to fulfill requirements for humanities or general electives in any degree program. Students who wish to concentrate in this subject field may choose a major or a minor, either in the four-year or the three-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

ENGL-1010 English Literature: Prose Fiction (3.0 credit hours) This course will examine narrative, focusing on the genres of the novel and the short story, drawing upon a broad range of historical and contemporary literature from around the world, with an emphasis on the twentieth century. It will examine the complex relationship between form and content, reflecting on how words make meaning.

ENGL-1020 English Literature: Poetry and Drama (3.0 credit hours) This course will examine the genres of the play, the narrative poem, and the lyrical poem, drawing upon a broad range of historical and contemporary literature from around the world, with an emphasis on the twentieth century. It will examine the complex

relationship between form and content, reflecting on how words make meaning.

ENGL-1030 Classical Literature: Homeric Gods and Heroes (3.0 credit hours) A study of three epic poems, Homer's *Iliad* and *Odyssey*, and Virgil's *Aeneid*, that resonate with timeless human concerns: civility and war, duty and friendship, freedom and slavery, migration and land, to name a few. Knowing these poems gives insight into both the literary tradition as well as current popular culture.

ENGL-1040 English Literature: Narrative Film (3.0 credit hours) An introduction to reading the cinema, with an emphasis on the appreciation and analysis of narrative film. This course will concentrate on the canon of influential North American and European films in the past century. Students will acquire a vocabulary of film criticism, with attention to genres, themes, and key theories. While we will consider film as entertainment and industry, our primary goal will be to examine significant films as works of art.

ENGL-1050 English Literature Topics (3.0 credit hours) This course will take up a particular topic, chosen by the instructor, drawing on works from across genres (minimally poetry, drama, and prose fiction). It will allow exploration of the chosen topic and will also set up the question of generic particularity, developing generic awareness by asking "what difference does it make that this a poem/play/story?"

ENGL-1510 Introduction to Theatre (3.0 credit hours) A study of the components of theatrical performance and the rehearsal process; an introduction to the basics of acting. Includes performance assignments.

ENGL-1531, 2531, 3531 Theatre Ensemble (1.0 credit hour) An auditioned ensemble that will prepare and present a play which focuses on themes of peace and justice, or scriptural/sacred stories. It will explore table work, vocal technique, theories of movement and space, dramaturgy, and new play development. The ensemble will also focus on political theatre as a tool to affect social change. The ensemble will rehearse and perform a production for tour in Winnipeg and surrounding area. *Prerequisite: A successful audition.*

ENGL-1532, 2532, 3532 Theatre Workshop (2.0 credit hours) Study and performance of a dramatic production. *Prerequisite: Admission will be on the basis of an audition for an acting role or on the basis of an interview for a place in the production and technical design team.*

ENGL-2030 Medieval Literature (3.0 credit hours) This survey course studies the English literature of the Middle Ages, from its early development in Old English, or Anglo-Saxon, to the flourishing of poetry and drama in Middle English. It emphasizes the relationship between literature

and its historical contexts, studying works such as *Beowulf* and *The Canterbury Tales* as well as mystical writings and morality and mystery plays. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-2040 Renaissance Literature (3.0 credit hours) This survey course studies the literature of the English Renaissance, from the sixteenth to the mid-seventeenth century. It emphasizes the relationship between literature and its historical contexts, studying playwrights such as Shakespeare, Marlowe, and Jonson and poets such as the Sidneys, Donne, Herbert, and Milton. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-2050 Restoration and Eighteenth-Century Literature (3.0 credit hours) This survey course studies Restoration and Eighteenth-Century English literature. It emphasizes the relationship between literature and its historical contexts, studying authors such as Dryden, Bunyan, Behn, Swift, Pope, Burney, and Gay. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-2060 Romantic and Victorian Literature (3.0 credit hours) This survey course studies literature of the nineteenth century, principally British, and includes poetry, drama, non-fiction, and fiction. It emphasizes the relationship between literature and its historical contexts, studying authors such as Wordsworth, Keats, the Shelleys, Tennyson, George Eliot, Newman, Ruskin, the Pre-Raphaelites, and Wilde. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-2070 Modernist Literature (3.0 credit hours) This survey course studies literature of the twentieth century, including poetry, drama, non-fiction, and fiction. The course emphasizes the relationship between literature and its historical contexts, studying authors such as Conrad, Woolf, Joyce, Yeats, Auden, T.S. Eliot, and Hemingway. The emphasis is on British modernism of the first half of the century, but the course may also consider other national literatures, as well as literary movements after modernism. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-2400 Creative Writing: Non-fiction (3.0 credit hours) This is a workshop-based course in non-fiction writing. Students will study models of accomplished writing and will produce a number of short pieces ranging from the autobiographic to the journalistic. Students will be expected, in addition to other work, to read and comment upon each other's work. This is not a remedial writing course. *Prerequisite: 6 credit hours of*

introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.

ENGL-2410 Creative Writing: Short Fiction (3.0 credit hours) This is a workshop-based course in writing short fiction. Students will be expected, in addition to other work, to read and comment upon each other's work. *Prerequisite: ENGL-1010 or 1050 or instructor's permission based on evaluation of student portfolio.*

ENGL-2420 Creative Writing: Poetry (3.0 credit hours) This is a workshop-based course in writing poetry. Students will be expected, in addition to other work, to read and comment upon each other's work. *Prerequisite: ENGL-1020 or 1050 or instructor's permission based on evaluation of student portfolio.*

ENGL-2450 The Digital Word (3.0 credit hours) From personal texting to massive databases, electronic text is everywhere. But how does both the act of writing and text itself change in an electronic medium? This course considers the question in both practice and theory. Students will learn the basics of textual encoding (using a mark-up language such as XML) and digital tools for studying texts, and will also consider digital culture more broadly, with a focus on literature as it is either remediated into digital forms or "born digital." *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or six credit hours of courses in Bible permission of the instructor.*

ENGL-2520 Introduction to Literature for Theatre (3.0 credit hours) A study of plays both as literature and as texts for stage presentation. The course provides an introduction to script analysis.

ENGL-2950 Topics in English (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3000 The History of the Book (3.0 credit hours) This course examines the book as a material and a conceptual object. It focuses on the development of writing technologies from stone tablets through the paper book and to electronic texts, asking centrally about the material history of the literature we read as well as our ideas about knowledge itself. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3010 Shakespeare (3.0 credit hours) This course studies the dramas of William Shakespeare and asks both what they would have meant to their original audiences and why they remain popular today, four centuries later. Plays will include histories, comedies, tragedies, and

romances. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

PHIL/ENGL-3010 Existentialism: (3:0 credit hours) This course will examine select writings of authors who are described as "existentialist." Possible authors to be studied include: Kierkegaard, Dostoevsky, Nietzsche, Weil, Camus, and de Beauvoir. Broadly speaking, an author can be classified as "existentialist" if their primary concern is to discern the truth of the human person beyond the concepts and categories supplied by the natural, social, psychological, and moral sciences. We will evaluate the authors' critiques of these various frameworks as well as the forms of individual and social life they advocate in place of them. *Prerequisite: 30 credit hours of university-level study.*

ENGL-3020 Studies in Sixteenth-Century Literature (3.0 credit hours) This course will consider the literature of the sixteenth century, with a particular focus. The focus may be on a particular topic or a particular author or group of authors. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3030 Studies in Seventeenth-Century Literature (3.0 credit hours) This course will consider the literature of the seventeenth century, with a particular focus. The focus may be on a particular topic or a particular author or group of authors. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3040 Nineteenth-Century Novel (3.0 credit hours) This course is a study of the emergence of the novel as one of the dominant literary forms. We will investigate historical and theoretical contexts, research theories of the rise of the novel, and examine various styles such as comedy, realism, romance, and early examples of modernism. The reading list will emphasize influential British novels but may include North American and European titles. Authors may include Scott, Austen, Bronte, Dickens, James, George Eliot, Hardy, Conrad, Twain, Hawthorne, Dostoyevsky, Flaubert. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3050 The Novel Since 1900 (3.0 credit hours) The novel survived a rapid series of transformations in the past century, including the declaration of "the death of the novel," and remains a dominant form. Each version of this course will offer a survey of influential novels or focus on a national tradition or topic. Trends to be examined include modernism, postmodernism, and magic realism. Theoretical and cultural contexts will be studied, but the primary goal of the course is detailed study of individual novels. *Prerequisite: 6 credit hours of introductory English*

(1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.

ENGL-3060 Canadian Literature (3.0 credit hours)

Students will investigate Canadian poetry, fiction, drama, and non-fiction and consider the political and historical issues involved in the creation of "Can Lit." The focus will vary and may include regional, Indigenous, Francophone, or Pre-Confederation voices. Major authors may include Stephen Leacock, Mordecai Richler, Margaret Atwood, Guy Vanderhaeghe, Rudy Wiebe, Michael Ondaatje, Robert Kroetsch, Michel Tremblay, P.K. Page, and Thomas King. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3070 World Literature in English (3.0 credit

hours) Some of the most exciting and challenging writing of the past decades belongs to the literatures of former British colonies. This course will consider the complex relationship between Indigenous and colonist literary traditions and the development of national voices within the colonial structures of language and genre. Individual instructors will focus the course, usually on a particular place or topic. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3080 Mennonite Literature (3.0 credit hours)

This course deals with literature that substantively engages the broad Mennonite experience, particularly in North America. It will primarily deal with recent Canadian and U.S. authors who write out of personal experience of Mennonite community, though not necessarily autobiographically. Texts will be studied in the context of Mennonite histories, cultures, and theologies. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3090 Studies in Medieval Literature (3.0 credit

hours) This course will consider the literature of the Middle Ages, with a particular focus. This focus may be on a particular topic or a particular author or group of authors. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

MUSC/ENGL-3090 Songwriting: Words and Music

Together (3.0 credit hours) Songs are an ancient mode of expression and historically a powerful force expressing and motivating public opinion, persisting today as one of the most popular art forms. This course for non-majors as well as majors examines songs in a variety of genres and languages, by composers from many cultures and of diverse identities. We will analyze how these songs work, learn simple forms and harmonic progressions, and finally write songs and learn basic studio recording techniques. *Prerequisite: 30 credit hours of university-level study and*

permission of the instructor. Reading musical notation not required.

ENGL-3100 Short Fiction (3.0 credit hours)

This course will consider the short story and novella, from their origins (Aesop, Chaucer, Boccaccio, Grimm) through the flood of short fiction written from the mid-nineteenth century on, and on to present examples. The course will look at influential British, American, and Canadian short fiction (from Poe to Munro) and also at works in translation from around the world, including examples of realism, romanticism, modernism, fantasy, detective fiction, etc. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3110 Milton (3.0 credit hours)

This course examines the work of John Milton with particular emphasis on his epic poem *Paradise Lost*, and on other selections from his poetry and prose. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

PHIL/BTS/ENGL-3120 Dante: *The Divine Comedy* (3.0

credit hours) When, at the mid-point of his life, Dante found himself in the midst of a crisis, he turned to the dead to help him find his way. Equal parts literature, poetry, history, politics, philosophy, and theology, this course will follow Dante's epic journey through hell, purgatory, and heaven as recorded in *the Divine Comedy*. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or 6 credit hours of 1000- or 2000-level Philosophy or permission of the instructor.*

ENGL-3430 Literary Non-Fiction (3.0 credit hours)

This course will focus on the personal essay, a vital literary form that allows the writer informal and candid reflection on self and on social, political, and spiritual issues. We will study examples from ancient times to the present day and include memoirs, polemics, and comic essays. Our reading list will feature such famous essayists as Augustine, Montaigne, Lamb, Woolf, and Orwell. The focus will be on short essays but influential book-length non-fiction works will also be included. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

BTS/ENGL-3760 Literature and Theology (3.0 credit

hours) An interdisciplinary study of literary and doctrinal texts that invites students to experience these sources theologically and imaginatively, doing so in a way that enables the study of various themes such as redemption, forgiveness, love and fidelity to others and to creation. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in either Biblical and Theological Studies or introductory English (1010-1050), the latter of*

which must include one of ENGL-1010, 1020, or 1050; or permission of the instructor.

ENGL-3800 Reading Culture (3.0 credit hours) An extension of the practices involved in reading written texts, this course includes the exploration and analysis of other cultural forms such as film, TV programming, and visual graphics, including photographs and advertising that participate in the cultural production of meaning. Attention will be given to theories of how meaning is constructed and exchanged. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3900 Major Authors (3.0 credit hours) This course will take up the work of a single author (or a combination of authors) with an aim to understanding the body of work of that author. Choice of author and of approach will be made annually. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3910 Literary Genres (3.0 credit hours) This course will examine representative works from a chosen genre, such as chivalric romance, Petrarchan love poetry, Detective fiction, or Science Fiction. Choice of genre will be made annually. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3920 Children's Literature (3.0 credit hours) Our current conception of childhood as a particular phase of personhood arguably dates from the Romantic era, when the notion of childhood as a time of innocence, play, and imagination began to replace the perception that children merely had to be instructed in adult responsibility. This course will study a number of significant literary works for young people produced during the past 150 years. Picture books, alphabet primers, children's verse, works of the late Victorian "Golden Age," fantasy, fairy tales, and social problem novels are among the genres to be considered. Along the way we will consider questions about literacy, independence, adventure, creativity, gender, difference and diversity, and moral education. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-3950 Topics in English (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-4000 Senior Thesis in English (6.0 credit hours) *This course is restricted to students completing the Bachelor of Arts, four-year major. For information on eligibility, due*

dates, procedures, and requirements, students should request a document from the Registrar's Office. Approval of the application will be contingent on the availability of faculty members to serve as thesis advisor and second reader.

ENGL-4200 Revenge (3.0 credit hours) This course will explore the cultural and theological meanings of revenge through a range of literary forms including drama, narrative, poetry, and film, beginning with the tradition of the revenge tragedy. Why do so many revenge stories end in cataclysm? Out of what does the desire for revenge arise? Is the desire for revenge an endless response to injustice? What is forgiveness, and how might it interrupt the desire for revenge? *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or 6 credit hours of introductory Bible and/or Theology or permission of the instructor.*

ENGL-4800 Literary Theory (3.0 credit hours) Students will be introduced to some of the many methods used to interpret literary material and helped to develop a theoretically informed approach to literature. Perspectives will include psychoanalytic theory, Marxism, feminism, New Criticism, reader-response criticism, New Historicism, postmodernist theory, and postcolonial theory. Students will develop greater self-consciousness about critical practice, the ability to ask new and different questions of texts, and the ability to cope with the complex vocabulary of modern criticism. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

ENGL-4940 Independent Study in English (3.0 credit hours) A study in a specific area of English under the direction of a faculty member. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, an additional 9 credit hours in English, and a minimum of 60 credit hours of university-level studies.*

ENGL-4950 Topics in English (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or permission of the instructor.*

Environmental Studies

ENVS/GEOG-1030 Introduction to Environmental Studies (3.0 credit hours) This course is a study of interactions between humans and the environment: the natural systems and resources upon which human activity depends, the environmental problems that have resulted from human activity, and the efforts being made toward environmental sustainability. Environmental

problems such as air and water pollution, climate change, soil degradation and deforestation, energy sustainability, and biodiversity are introduced with an interdisciplinary perspective, using both Canadian and global examples.

ENVS/PCTS-2620 Ecological Peacebuilding (3.0 credit hours) This course will explore the role of the ecology in peacebuilding, focusing on relationships between environmental insecurity and conflict, ecological integrity and justice, and on the politics, theory, and skills of ecological peacebuilding. Drawing upon a broad range of historical and contemporary case studies, students will be encouraged to apply these insights as part of the learning process. *Prerequisite: PCTS-1110.*

ENVS/IDS/GEOG-3010 Environment, Society, and Resilience (3.0 credit hours) The course will help students analyze principles of sustainability, resilience, and complexity associated with energy, matter, and ecosystem functioning, within the context of social values, human technology, and politics. The course seeks to equip students to assess socio-ecological issues including water management, climate change adaptation, agriculture, fisheries, forestry, and extractive industries from an interdisciplinary perspective. *Prerequisite: 30 credit hours of university-level study.*

IDS/ENVS/SOCI-3521 Study of Simple Living (3.0 credit hours) Within International Development Studies, development is increasingly understood as a participatory, deliberate process aimed at enhancing the quality of life for individuals within social and ecological communities. This course examines the concepts, theories, and practices of simple living as an everyday, ordinary practice for individuals seeking alternatives to consumer values and culture. The course explores the roots of simple living and its modern expressions, with special emphasis on the relevance of simple living for building emotional well-being, vibrant communities, resilient ecological systems, and practices that contribute to social justice in a globalizing world. *Prerequisite: 30 credit hours of university-level study. Students may not hold credit for this course and the former IDS-2521.*

ENVS-4000 Thesis in Environmental Studies (6.0 credit hours) *This course is restricted to students completing the Bachelor of Arts, four-year major. For information on eligibility, due dates, procedures, and requirements, students should request a document from the Registrar's Office. Approval of the application will be contingent on the availability of faculty members to serve as thesis advisor and second reader.*

ENVS-4940 Independent Study in Environmental Studies (3.0 credit hours) A study in a specific area of Environmental Studies under the direction of a faculty member. *Prerequisite: ENVS-1030, and a minimum of 60 credit hours of university-level studies.*

Geography

The study of Geography concerns physical and human processes and interactions on the earth's surface. Physical Geography asks where and why natural phenomena (such as weather, climate, soils, landforms, vegetation types) occur as they do. Human Geography asks where and why human and cultural elements (such as language, population, religion, agriculture, industry, and conflict) are located as they are. Investigation of the interplay between physical factors and human factors is central to the discipline. Studies in geography equip students to appreciate and care for creation and prepare students for careers in education, conservation, planning, and resource industries.

Students may choose courses in Geography to fulfill requirements for social sciences or general electives in any degree program. Students who wish to concentrate in this subject field may choose either a major in Geography within the three-year Bachelor of Arts, or they may choose a minor in Geography in either the four-year or the three-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

GEOG-1000 Introduction to Physical Geography (3.0 credit hours) An examination of elements of the physical environment such as weather, climate, hydrology, landforms, soils, vegetation, and the processes producing variations of these elements through time on the surface of the earth. Examples of environmental interrelationships and problems that affect people are emphasized.

GEOG-1010 Introduction to Human Geography (3.0 credit hours) An examination of aspects of the human world. Topics may include: distribution of human populations, evolution of human societies, behavioural norms or cultures of these societies, and the influence of culture in its various manifestations (language, religion, customs, politics, etc.) on the human landscape including settlement types, forms of agriculture, and travel patterns. Attention is given to environmental and cultural factors involved in the present-day divisions between the "developed" and the "under-developed" worlds.

ENVS/GEOG-1030 Introduction to Environmental Studies (3.0 credit hours) This course is a study of interactions between humans and the environment: the natural systems and resources upon which human activity depends, the environmental problems that have resulted from human activity, and the efforts being made toward environmental sustainability. Environmental problems such as air and water pollution, climate change, soil degradation and deforestation, energy sustainability, and biodiversity are introduced with an interdisciplinary perspective, using both Canadian and global examples.

IDS/GEOG-2131 Rural Development (3.0 credit hours) This course examines changes to rural society and economy in the South—Africa, Asia, and Latin America—and rural communities in Canada brought about historically by colonialism and more recently through modern development efforts. Discussion highlights the impact of agrarian reform, technological change, and domestic government policies on economic development and social differentiation. *Prerequisite: either IDS-1110, GEOG-1010 or ENVS/GEOG-1030.*

GEOG-2950 Topics in Geography (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors.

ENVS/IDS/GEOG-3010 Environment, Society, and Resilience (3.0 credit hours) This course will help students analyze principles of sustainability, resilience, and complexity associated with energy, matter, and ecosystem functioning, within the context of social values, human technology, and politics. The course seeks to equip students to assess socio-ecological issues including water management, climate change adaptation, agriculture, fisheries, forestry, and extractive industries from an interdisciplinary perspective.

IDS/GEOG-3020 Just and Sustainable Food Systems (3.0 credit hours) This course explores food system dynamics at multiple scales, from the household to the global, with particular attention to the diversity of worldviews that underpin the current discourses surrounding ecological sustainability, food security, and food justice. The course follows food from the farms and fishing boats, through local and global marketplaces and, finally, to those who eat. Participants will examine models of agriculture, small-scale fisheries, water scarcity, the Asian and African Green Revolutions, corporate concentration in the food system, local and global food markets, community food security, obesity, hunger, food waste, the global food price crisis, energy, and the impacts of climate change. *Prerequisite: 30 credit hours of university-level studies.*

GEOG-3950 Topics in Geography (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level study and 6 credit hours of geography at the 1000- or 2000-level.*

GEOG-4940 Independent Study in Geography (3.0 credit hours) A study in a specific area of Geography under the direction of a faculty member. *Prerequisite: GEOG-1000 and 1010, an additional nine credit hours in Geography, and a minimum of 60 credit hours of university-level studies.*

History

The study of History enables students to understand various movements and influences that throughout time have shaped and formed the world in which they live. It explores the influence of culture, religion, politics, economics, and other forces from the emergence of written texts to the present time. It includes inquiry into the formation of western civilization as well as the formation and intersections of global civilizations. At CMU, significant attention is also given to the history of Christianity, but the courses that most specifically address this area appear under Biblical and Theological Studies. Studies in History prepare students for careers in government, journalism, archival work, and education.

Students may choose courses in History to fulfill requirements for humanities or general electives in any degree program. Students who wish to concentrate in this subject field may choose a major or a minor, either in the four-year or the three-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

HIST-1000 History of the West in Global Context I (3.0 credit hours) This course introduces students to the development of western civilization to 1500 CE, paying particular attention to the interrelationships of social, intellectual, political, and economic developments. Through the analysis of selected ideas, issues, texts, and events in different global locations, the course critically examines common understandings of the values and institutions of western civilization.

HIST-1010 History of the West in Global Context II (3.0 credit hours) This course introduces students to the continuing development of western civilization since 1500 CE, paying particular attention to how the relationships of social, intellectual, political, and economic developments among various civilizations have become increasingly enmeshed. Through the analysis of selected ideas, issues, texts, and events in different global locations, the course critically examines common understandings of the values and institutions of western civilization.

HIST-2000 History of Science (6.0 credit hours) A survey of the development of science from ancient to modern times with emphasis on the concepts of the physical sciences. *Not recommended for first year students.*

HIST-2020 History of Colonial Canada (3.0 credit hours) A study of the development of Canada from its colonial origins to the completion of national and transcontinental unification. Emphasis is on French Canada, Indian-European cultural contact, regional life and social organization, impact of colonialism, and the creation of a national state.

HIST-2030 History of the Canadian Nation since 1867 (3.0 credit hours) A study of the national development of Canada to the present. Emphasis is placed on French Canada, the regional life and social organization of the country, the impact of continentalism, the development of the economy, and the rise of a national sentiment.

HIST/INDS-2040 History of Indigenous Peoples of Canada (3.0 credit hours) The contemporary cultural resurgence and political organizing of Indigenous peoples invokes new perspectives on Canadian history. This historical survey will explore pre-contact social organization, colonialism and resistance, treaties and land claims, reserves and residential schools as structures of social control, evolving public policy (e.g., Indian Act), Native identities, struggles for self-determination, and the rights of revolution.

HIST-2050 Winnipeg: Can Winter be a City? (3.0 credit hours) Is Winnipeg so many lines on a map and a perimeter highway? Is it more than its dominant stereotype: Cold? What is Winnipeg? We will contemplate what has made life, work, play, and worship in River City so exciting, daunting, provocative, and unexpected. The course will explore these questions through periods of expansion, decline, war, industrialization, immigration, globalization, and stories told by boosters and detractors. To think about the city we will explore art, disease, neighborhoods, politics, criminals, radicals, reactionaries, preachers, and winter.

HIST-2060 Religion and Conflict in Historical Perspective (3.0 credit hours) This course attends to a range of perspectives that world religions have had toward peace and conflict throughout the ages in various social environments. Students will be introduced to theories and practices related to conflict and nonviolence in such religions as Buddhism, Hinduism, Judaism, Christianity, and Islam.

HIST-2080 Mennonites in Europe (3.0 credit hours) A study of Mennonite social history in Europe from the end of the sixteenth-century Anabaptist reformations to the present. Included in the study are the communities in Western Europe, Poland, Prussia, and Russia.

HIST/BTS-2090 Mennonites in Canada and the United States (3.0 credit hours) A study of Mennonite social history in Canada and the United States from the first immigrations in the seventeenth century to the present, with special emphasis on Canada.

HIST/POLS-2100 History of the United States from 1607 (3.0 credit hours) A study of the development of the United States of America from its colonial origins to its emergence, four centuries later, as a global superpower. Attention will be given to political, economic, social, and intellectual developments from Jamestown to 9/11.

HIST/POLS-2110 The Fifties and Sixties: North America Cold, Cool and Radical (3.0 credit hours) An examination of the post-World War II decades of North America in its political, economic, social, and intellectual contexts. Individuals that may be studied include Elvis Presley, Lester Pearson, Ronald Reagan, Tommy Douglas, Martin Luther King Jr., Betty Friedan, Marshall McLuhan, Rachel Carson, Charles Manson, and Pierre Trudeau. Topics may include social revolutions (Quiet Revolution, Civil Rights), politics (Cold War, Great Society, Medicare), body and technology ('The Pill', vaccines, organ transplants), youth protest (Beat, Berkeley), and consumer culture.

MUSC/HIST-2270 History of Rock Music: Investigating Rock's 'Storied' Past, 1960-1995 (3.0 credit hours) This course explores the lives of artists and changing musical trends in rock music history, beginning with the origins of rock music in genres including blues, Country & Western, and gospel, and continuing through several differing streams of music that fall under the umbrella of "rock" at the end of the twentieth century. In addition to practicing close listening, students will focus on primary sources as a means to critically examining the social and political process of history-making. *Reading musical notation not required.*

MUSC/HIST-2280 History of Gospel Music (3.0 credit hours) This critical cultural history of gospel music from the United States and around the world engages the Black experience as a central part of this music's history. Using primary and secondary materials, this class investigates the historical, religious, political, cultural, and social context of the musical worlds in which these artists and audiences lived. Students will engage in close listening practices to musical examples from across the globe. *Reading musical notation not required.*

HIST-2510 History of Art and Culture I: Classical to Late Medieval (3.0 credit hours) A survey of art history from the Classical era in Egypt, Greece, and Rome to the Late Middle Ages (15th century) in Western Europe. The course will give attention to the relationship of art and architecture to other facets of social, religious, cultural, and intellectual history. *Formerly TFA-2020*

HIST-2520 History of Art and Culture II: Renaissance to the Present (3.0 credit hours) A survey of art history from the Renaissance to present day. The course will give attention to the relationship of art and architecture to other facets of social, religious, cultural, and intellectual history. *Students may not hold credit for this course and the former TFA-2000. Formerly TFA-2030*

BTS/HIST-2550 History of Christianity (3.0 credit hours) A survey of the historical developments in Christianity from the early church to the present. Attention will be paid to the manner in which Christianity was influenced

by its social setting and at the same time stimulated change in its host culture.

BTS/HIST-2570 Anabaptism: From European to Global Reality (3.0 credit hours) This course explores the evolving character of Anabaptist identity over a 500-year period. The course will begin by giving attention to sixteenth-century origins in Europe and it will follow the ongoing story of how Anabaptist communities evolved over several centuries before becoming a global reality. The course may give attention to selected issues and themes. For the most part, the accent in this course will be on the Mennonite story.

HIST-2950 Topics in History (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors.

HIST-3000 Renaissance and Reformation (3.0 credit hours) This course traces the cultural, political, and religious developments of the renaissance and reformation period that transformed Europe from a medieval to a modern society. *Prerequisite: 30 credit hours of university-level study, including 6 credit hours of 1000- or 2000-level History.*

HIST-3010 Topics in Canadian History (3.0 credit hours) An in-depth lecture/seminar course examining selected topics in Canadian History. *Prerequisite: 30 credit hours of university-level study, including 6 credit hours of 1000- or 2000-level History.*

HIST-3030 Topics in Global History (3.0 credit hours) The topic selected may be regionally oriented (e.g., African, Asian, or Latin American) or thematically oriented to include various global regions (e.g., the Atlantic Slave Trade, Globalization, or the Twentieth-Century World). *Prerequisite: 30 credit hours of university-level study, including six credit hours of 1000- or 2000-level History.*

HIST-3100 Religion in Canadian History (3.0 credit hours) A lecture/seminar course surveying religious thought and practice from the fifteenth century to the present. Topics include the Canadian religious context at European Contact, spread and institutionalization of Canadian Christianity, and the rise and implications of religious pluralism. *Prerequisite: 30 credit hours of university-level study, including 6 credit hours of 1000- or 2000-level History.*

HIST-3950 Topics in History (3.0 credit hours) The context of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours of 1000- or 2000-level history.*

BTS/HIST-4180 Jews and Christians in Greco-Roman Society (3.0 credit hours) This course will study the development of Jewish and Christian self-definition during the formative years of the new community of Christians in the Greco-Roman world. The investigation will focus on Jewish religious and social life in the second temple period, the pre-Pauline Jewish Christian community, Paul and the launching of the Gentile world mission, the development of Christologies in the new communities, and the forces that separated the Christian and Jewish communities. *Prerequisite: 60 credit hours of university-level studies, including 9 credit hours in Biblical and Theological Studies.*

HIST-4200 Theory and Methods of History (3.0 credit hours) In this seminar, we will theorize history and historicize theory—even the most anti-historical theories. The course will examine such modern canonical writers as Hegel, Marx, and Collingwood. As well, we will survey such developments in theory and criticism as structuralism, post-colonialism, and explore debates on history and memory as found in museums and popular cultures. Students will be engaged in practical applications of historical methodologies discussed in class. *Prerequisites: 30 credit hours of university-level study, including 6 credit hours of 1000- or 2000-level history. Students may not hold credit for this course and the former HIST-3200.*

HIST-4210 Senior Research Seminar in History (3.0 credit hours) This course, a continuation of HIST-4200, explores various methodologies used by historians to investigate, interpret, and represent the past, along with ethical concerns in the research process. Students will design, research, and author a major project grounded in original primary source materials. It is a substantial project that will be workshopped throughout the semester where students will assist each other in problem solving, feedback, and constructive critique. There is a public presentation component at the conclusion of the course. *Prerequisite: HIST-3200. Students may not hold credit for this course and the former HIST-3210.*

HIST-4940 Independent Study in History (3.0 credit hours) A study in a specific area of History under the direction of a faculty member. *Prerequisite: 6 credit hours of 1000-level History, an additional 9 credit hours in History, and a minimum of 60 credit hours of university-level studies.*

HIST-4950 Topics in History (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours of 1000- or 2000-level history.*

Indigenous Studies

INDS-1010 Native Peoples of Canada I This course introduces students to the Aboriginal Peoples of Canada by providing a survey of their political, social, economic, and cultural contexts and situations. Beginning with pre-contact times and cultural frameworks spanning Indigenous communities across North America, it will outline the history of colonization and the long-term effects of this process on First Nations, Métis, and Inuit. This course will also explore de-colonization, resistance movements and manifestation. Given the interdisciplinary nature of Native Studies, this course approaches the various topics from a variety of disciplinary perspectives. It will place emphasis on Aboriginal culture and spirituality, history, politics, economics, education, ethnography, and more. *Students may not hold credit in both INDS-1010/1020 and INDS-1050.*

INDS-1020 Native Peoples of Canada II Continuation of INDS-1010. *Students may not hold credit in both INDS-1010/1020 and INDS-1050.*

INDS-1050 Indigenous Peoples of Canada (3.0 credit hours) An overview of Indigenous societies in Manitoba and Canada, linking processes of the past with contemporary Indigenous life and issues. The course covers topics such as stages of colonization, pre- and post-contact periods, Indigenous kinship systems, the fur trade, the treaties, the Indian Act, residential schools, Metis nationhood and land issues, the Federal White Paper Policy (1969), Bill C-31 (1985), Indigenous rights, Indigenous land claims, Indigenous economic development, Indigenous urbanization, and Indigenous gender issues. *Students may not hold credit in both INDS-1010/1020 and INDS-1050.*

HIST/INDS-2040 History of Indigenous Peoples of Canada (3.0 credit hours) The contemporary cultural resurgence and political organizing of Indigenous peoples invokes new perspectives on Canadian history. This historical survey will explore pre-contact social organization, colonialism and resistance, treaties and land claims, reserves and residential schools as structures of social control, evolving public policy (e.g., Indian Act), Native identities, struggles for self-determination, and the rights of revolution.

Interdisciplinary Studies

INTD-0900 CMU First Year Advising Seminar (0.0 credit hours) This seminar helps students integrate their academics into their lives by providing tools and a framework that allow them to know themselves better. In turn, these tools will empower students to build a pathway through their CMU degree and build their capacities to navigate their path after CMU, that is well

aligned with their goals, and that is meaningful to them. This seminar will take place within a community of support made up of a small group of new students, an upper-class student navigator and a faculty member.

INTD-1000 Ways of Knowing I (3.0 credit hours) This course introduces students to the university by getting them involved in asking a big question alongside other students and professors from many subject areas. It includes seminars, round table discussions, a few big lectures, and fieldtrips, all in order to do the things the university does best: taking the time to think about real problems, from multiple expert viewpoints (or ways of knowing), and to develop their own ideas. Our big question this coming year is "what are people for?" *Prerequisite: Curiosity.*

International Development Studies

In this interdisciplinary field of inquiry, students will be challenged to explore the causes and consequences of processes that promote some individuals, communities, and nations, and exclude others. Moreover, students will be prepared for citizenship in an increasingly interdependent global community and will be encouraged to envision paths toward a transformed, just world.

Students may choose courses in International Development Studies to fulfill requirements for social sciences or general electives in any degree program. Students who wish to concentrate in this subject field may choose a major or a minor, either in the four-year or the three-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

NOTE: IDS-1110 is normally the prerequisite to any other IDS course. However, students may take additional IDS courses concurrently with IDS-1110 with permission of the instructor.

IDS-1110 Introduction to International Development Studies (3.0 credit hours) This course will survey critical development issues, including understandings and definitions of poverty and sustainable development, broad development theories from modernization to post-development, the historical context of decolonization, and the roles of key local, national, and international development actors. It will focus primarily on countries of the global South—Africa, Asia, and Latin America—but also examine how Canada participates in local, national, and global dynamics of development and underdevelopment.

IDS/PCTS-2000 The Project Cycle (3.0 credit hours) Time-limited projects remain an important way in which development and other social change assistance are

delivered by non-profit agencies. The course will introduce the elements and practices of the project cycle, from identification and planning, through monitoring and evaluation of project implementation, including key issues in the project cycle, such as logical frameworks, managing for results, participatory planning and evaluation, appreciative approaches, and capacity building. *Prerequisite: IDS-1110 or BUSI-1000.*

ECON/IDS-2010 Economics of Development (3.0 credit hours) This course introduces neoclassical and alternative economic theories relevant to understanding various aspects of development: (i) national aspects, including theories of growth, inequality, labour, and the role of the state; (ii) international aspects, including theories of finance, international financial institutions, trade and globalization; and (iii) sub-national aspects of development, including theories of growth linkages, micro-credit, and community economic development. *Prerequisite: IDS-1110 or both ECON-1000 and 1010.*

PCTS/IDS/POLS-2040 Global Issues [WP] (3.0 credit hours) Many countries around the globe face a similar set of issues as they relate to indigenous peoples, economic development, religious change, justice and peace, migration, and the environment. These issues take a specific form in Guatemala, a country that has been shaped by a 36-year-long war. This course will examine the following issues through the lens of the Guatemalan context: environment, Mayan culture and spirituality, war and peace, and migration. *This course is available only through CMU's study abroad programs, Guatemala sites only. Prerequisite: 24 credit hours of university-level study, including 3 credit hours of introductory social sciences.*

IDS-2110 Participatory Local Development (3.0 credit hours) The failure of large-scale development efforts to eradicate poverty in the South—Asia, Africa, and Latin America—and developing communities in Canada has led to a search for alternative participatory, community development projects. This course examines historic efforts at participatory development, including community development and co-operative formation, and then considers the attention given to non-governmental organizations and grassroots movements today. *Prerequisite: 30 credit hours of university-level studies, including IDS-1110.*

IDS/GEOG-2131 Rural Development (3.0 credit hours) This course examines changes to rural society and economy in the South—Africa, Asia, and Latin America—and rural communities in Canada brought about historically by colonialism and more recently through modern development efforts. Discussion highlights the impact of agrarian reform, technological change, and domestic government policies on economic development and social differentiation. *Prerequisite: one of IDS-1110, GEOG-1010 or ENVS/GEOG-1030.*

IDS-2171 Crisis, Humanitarian Aid, and Disaster Recovery (3.0 credit hours) Today, crises threaten global human security as never before. These crises are caused by a complex mix of natural hazards (such as floods, earthquakes, or droughts) and human action or inaction. This course will explore how humanitarian assistance and disaster recovery efforts can best promote resilience by reducing vulnerability and disaster risk. Community and organizational responses to humanitarian crises will be examined, emphasizing efforts to improve aid quality and accountability. *Prerequisite or corequisite: 6 credit hours of introductory Social Science; IDS-1110 is recommended.*

ECON/IDS/POLS-2420 Economics of Social Change (3.0 credit hours) Processes of social change (related to poverty reduction, peace-building, environmental sustainability, economic development) can be supported or inhibited by economic forces. This course will examine and apply (in a non-technical manner) key economic principles that impact efforts to create social change. It also examines the assumptions of economic approaches, and the role of economics in the social sciences. *Prerequisite: 30 credit hours of university-level studies or permission of the instructor.*

PCTS/IDS-2443 Conflict and Development Issues in Indigenous Communities (3.0 credit hours) Within the broad framework of international development and conflict transformation studies, this course explores the dynamics of Indigenous communities globally, with special reference to the Canadian context. Processes of marginalization and underdevelopment will be presented in order to understand Indigenous communities' social, economic and political situation. *Prerequisite: either PCTS-1110 or IDS-1110.*

IDS-2950 Topics in International Development Studies (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: IDS-1110.*

ENVS/IDS/GEOG-3010 Environment, Society, and Resilience (3.0 credit hours) The course will help students analyze principles of sustainability, resilience, and complexity associated with energy, matter, and ecosystem functioning, within the context of social values, human technology, and politics. The course seeks to equip students to assess socio-ecological issues including water management, climate change adaptation, agriculture, fisheries, forestry, and extractive industries from an interdisciplinary perspective.

IDS/GEOG-3020 Just and Sustainable Food Systems (3.0 credit hours) This course explores food system dynamics at multiple scales, from the household to the global, with particular attention to the diversity of worldviews that underpin the current discourses

surrounding ecological sustainability, food security, and food justice. The course follows food from the farms and fishing boats, through local and global marketplaces and, finally, to those who eat. Participants will examine models of agriculture, small-scale fisheries, water scarcity, the Asian and African Green Revolutions, corporate concentration in the food system, local and global food markets, community food security, obesity, hunger, food waste, the global food price crisis, energy, and the impacts of climate change. *Prerequisite: 30 credit hours of university-level studies.*

IDS-3111 An Analysis of Development Aid Policy (3.0 credit hours) This course explores ideology, debates, policies, and program of macro development agencies. The course begins with an examination of the ideology of neoliberalism and the policies of structural adjustment and considers how these affect the South. This is followed by an analysis of the principal actors of macro development and an examination of important issues within the donor community, e.g., poverty and gender imbalance, economic growth, and environmental degradation. *Prerequisite: 30 credit hours of university-level studies, including IDS-1110, ECON-1000 and 1010.*

IDS/ENVS/SOCI-3521 Study of Simple Living (3.0 credit hours) Within International Development Studies, development is increasingly understood as a participatory, deliberate process aimed at enhancing the quality of life for individuals within social and ecological communities. This course examines the concepts, theories, and practices of simple living as an everyday, ordinary practice for individuals seeking alternatives to consumer values and culture. The course explores the roots of simple living and its modern expressions, with special emphasis on the relevance of simple living for building emotional well-being, vibrant communities, resilient ecological systems, and practices that contribute to social justice in a globalizing world. *Prerequisite: 30 credit hours of university-level study. Students may not hold credit for this course and the former IDS-2521.*

IDS-3950 Topics in International Development Studies (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level study, including IDS-1110.*

IDS-4000 Thesis International Development Studies (6.0 credit hours) *This course is restricted to students completing the Bachelor of Arts, four-year major. For information on eligibility, due dates, procedures, and requirements, students should request a document from the Registrar's Office. Approval of the application will be contingent on the availability of faculty members to serve as thesis advisor and second reader.*

BUSI/IDS-4030 International Microfinance (3.0 credit hours) This course investigates 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), microsavings and insurance programs, cultural and social factors. The course offers a unique mix of theory and practice as students will have the opportunity to work on projects relating to current issues with microfinance programs in various regions of the world. *Prerequisite: BUSI-1000 or IDS-2110 and 60 credit hours of university-level studies, or permission of the instructor.*

BUSI/IDS-4040 Economic Development and Microfinance Study Tour (3.0 credit hours) This study tour offers experience-based learning opportunities for students to see first-hand how international development has its impact on individuals and communities in underdeveloped regions around the world. The tour builds on learning from BUSI/IDS-4030 International Microfinance, focussing on aspects of economic development and microfinance—the provision of small loans and financial services to the poor. Activities include visiting partner organizations and NGOs in various countries, meeting microenterprise loan recipients and observing their group meetings, interacting with local community and church leaders to learn about the cultural and social context in each country. *This course does not fulfill a practicum requirement. Prerequisite: BUSI/IDS-4030 International Microfinance, or permission of the instructor*

IDS-4050 Development Theory for Practice (3.0 credit hours) This seminar takes an interdisciplinary approach to the study of theories that have shaped the practice of development. It examines trends in development theory, types of theory that are useful to development practitioners, and the processes through which selected theories were adapted for use by development organizations. This seminar focuses on the use of development-related theory in non-profit organizations and, secondarily, in multilateral organizations. *Prerequisite: 60 credit hours of university-level studies, including IDS-1110.*

IDS/PCTS/POLS/SOCI-4100 Senior Seminar in Social Change (3.0 credit hours) In this capstone seminar, students review and compare inter-disciplinary and discipline-based approaches to social change, including issues in peacebuilding and conflict transformation, social and economic development, environmental sustainability, and democratization and social movements. Using a seminar format, students will examine contending theories of social change, and address questions of power, interpretation, ethics,

commitments, and virtues in understanding and working for social change. These examinations will allow students to explore ways of integrating theories and practices and articulate their own understanding and ethics of social change. *Prerequisite: 60 credit hours of university level studies, including 18 credit hours in IDS, PCTS, SOCI, POLS, GEOG or PSYC; or permission of the instructor. It is recommended that the practicum requirement be completed prior to taking this course.*

IDS-4130 Mennonite Community and Development (3.0 credit hours) Students are challenged to analyze the Mennonite experience in service and peace work. The objective is to highlight values and techniques that distinguish a unique approach. Speakers and literature describing the work of the Mennonite Central Committee and Mennonite Economic Development Agency and of ecumenical groups such as the Canadian Foodgrains Bank provide examples for reflection and analysis. *Prerequisite: 30 credit hours of university-level studies, including IDS-1110.*

IDS-4140 Religion and Development (3.0 credit hours) This course will examine the links between religion and development, both philosophically and empirically. It will provide an analysis of particular Christian, Islamic, and Buddhist understandings and approaches to development, as well as several other faith-based approaches, depending on student interests. It will examine the role and ethics of faith-based NGOs in development assistance and investigate how development agents can design interventions that appropriately relate to the religious belief systems that underlie local knowledge in such areas as agriculture, health, and social organization. *Prerequisite: 30 credit hours of university-level studies, including IDS-1110.*

IDS/PCTS-4920 Program Planning in Development and Conflict Resolution (3.0 credit hours) Program planning is a critical first step in most interventions by development and conflict resolution organizations. This course covers blueprint planning required for preparation of funding proposals and various forms of strategic and participatory planning required for the application of results-based management and learning approaches during program implementation. Current debates regarding approaches to planning are also reviewed. Students acquire skills necessary for conceptualizing and implementing international or domestic projects undertaken by non-governmental organizations: needs assessment, goal and purpose identification, formulation of logframe, work plan and budget, and preparation of a funding proposal. *Prerequisite: 30 credit hours of university-level studies, including IDS-1110 or PCTS-1110.*

IDS-4940 Independent Study in International Development Studies (3.0 credit hours) A study in a specific area of IDS under the direction of a faculty

member. *Prerequisite: IDS-1110, and a minimum of 60 credit hours of university-level studies.*

IDS-4950 Topics in International Development Studies (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level study, including IDS-1110.*

Languages

LANG-1010 Beginning French I (3.0 credit hours) A study of the fundamental structures of French with oral and written practice. Includes a laboratory requirement (BIOL-1360L). *A laboratory fee will be assessed. For students with no prior knowledge of French, or who have studied French up to and including Grade 11 or its equivalent. Students with Grade 12 French or its equivalent may not normally take this course for credit.*

LANG-1020 Beginning French II (3.0 credit hours) A continuation of the study of the fundamental structures of French with oral and written practice. Includes a laboratory requirement (BIOL-1360L). *A laboratory fee will be assessed. Prerequisite: LANG-1010.*

LANG-1110 Beginning German I (3.0 credit hours) A study of the fundamental structures of German with oral and written practice. *For students with no prior knowledge of German, or who have studied German up to and including Grade 11 or its equivalent. Students with Grade 12 German or its equivalent may not normally take this course for credit.*

LANG-1120 Beginning German II (3.0 credit hours) A continuation of the study of the fundamental structures of German with oral and written practice. *Prerequisite: LANG-1110.*

LANG-1210 Beginning Spanish I (3.0 credit hours) A study of the fundamental structures of Spanish with oral and written practice. *For students with no prior knowledge of Spanish, or who have studied Spanish up to and including Grade 11 or its equivalent. Students with Grade 12 Spanish or its equivalent may not normally take this course for credit. May not be held for credit together with LANG-1211.*

LANG-1211 Beginning Spanish II (3.0 credit hours) A study of the fundamental structures of Spanish with oral and written practice. *This course is available only through CMU's study abroad programs, Guatemala sites only. For students with no prior knowledge of Spanish, or who have studied Spanish up to and including Grade 11 or its equivalent. Students with Grade 12 Spanish or its equivalent may not normally take this course for credit. May not be held for credit together with LANG-1210.*

LANG-1220 Beginning Spanish II (3.0 credit hours) A continuation of the study of the fundamental structures of Spanish with oral and written practice. *Prerequisite:* LANG-1210. *May not be held for credit together with LANG-1221.*

LANG-1221 Beginning Spanish II (3.0 credit hours) A continuation of the study of the fundamental structures of Spanish with oral and written practice. *This course is available only through CMU's study abroad programs, Guatemala sites only. Prerequisite:* LANG-1211. *May not be held for credit together with LANG-1220.*

LANG-2010 Intermediate French I (3.0 credit hours) Language study and practice in the classroom and language laboratory, and readings in French and French-Canadian culture. *Prerequisite:* Senior matriculation French or LANG-1020. *Not suitable for students who have completed a Grade 12 French Immersion program.*

LANG-2020 Intermediate French II (3.0 credit hours) A continuation of language study and practice in the classroom and language laboratory, and readings in French and French-Canadian culture. *Prerequisite:* LANG-2010.

LANG-2110 Intermediate German I (3.0 credit hours) Language study and practice in the classroom and language laboratory, and readings in German culture. *Prerequisite:* Senior matriculation German or LANG-1120.

LANG-2120 Intermediate German II (3.0 credit hours) A continuation of language study and practice in the classroom and language laboratory, and readings in German culture. *Prerequisite:* LANG-2110.

LANG-2210 Intermediate Spanish I (3.0 credit hours) Language study and practice in the classroom and language laboratory, and readings in Spanish culture. *Prerequisite:* Senior matriculation Spanish or LANG-1220 or LANG-1221.

LANG-2211 Intermediate Spanish I (3.0 credit hours) Language study and practice in the classroom and language laboratory, and readings in Spanish culture. *This course is available only through CMU's study abroad programs, Guatemala sites only. Prerequisite:* Senior matriculation Spanish or LANG-1220 or LANG-1221. *May not be held for credit together with LANG-2210.*

LANG-2220 Intermediate Spanish II (3.0 credit hours) A continuation of language study and practice in the classroom and language laboratory, and readings in Spanish culture. *Prerequisite:* LANG-2210.

LANG-2221 Intermediate Spanish II (3.0 credit hours) A continuation of language study and practice in the classroom and language laboratory, and readings in

Spanish culture. *This course is available only through CMU's study abroad programs, Guatemala sites only. Prerequisite:* LANG-2210. *May not be held for credit together with LANG-2220.*

LANG-2310 Elementary Biblical Hebrew I (3.0 credit hours) This course will introduce students to the fundamentals of biblical Hebrew grammar and vocabulary. Selected prose texts in the Hebrew Bible will be read and translated.

LANG-2320 Elementary Biblical Hebrew II (3.0 credit hours) A continuation of the fundamentals of biblical Hebrew grammar and vocabulary. Selected prose texts in the Hebrew Bible will be read and translated. *Prerequisite:* LANG-2310.

LANG/BTS-2410 Elementary Biblical Greek I (3.0 credit hours) This course will introduce students to the fundamentals of Koine Greek grammar and vocabulary. Selected prose texts in the New Testament will be read and translated.

LANG/BTS-2420 Elementary Biblical Greek II (3.0 credit hours) A continuation of the fundamentals of Koine Greek grammar and vocabulary. Selected prose texts in the New Testament will be read and translated. *Prerequisite:* LANG-2410.

Mathematics

Mathematics is the language of our technological world. It lies at the heart of scientific research, engineering, and computer science. A math degree can prepare students for a career in science, industry, business, or teaching. But the study of mathematics will also assist students in developing skills beneficial for inquiry in any other disciplinary area, e.g., theology, philosophy, music, or psychology. Students learn to be precise and organized, to solve problems creatively, and to reason analytically. At CMU, a Christian worldview provides perspective on mathematical studies. We consider limitations and ethical applications of mathematics, how math can inspire awe of the Creator, and how it has informed self-understanding and theology.

Students may choose courses in Mathematics to fulfill requirements for sciences or general electives in any degree program. Students who wish to concentrate in this subject field may choose a major or a minor, either in the four-year or the three-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

MATH-0900 Pre-Calculus Mathematics (0 credit hours). This course covers the mathematical skills required to study calculus. Topics include linear, quadratic, polynomial, and rational functions; power and root

functions; trigonometry; exponential and logarithmic functions. *This non-credit course is for students who need to upgrade their high school mathematical skills.*

MATH-1000 Basic Statistical Analysis (3.0 credit hours)

An introduction to the basic principles of statistics and procedures used for data analysis. Topics to be covered include gathering data, displaying and summarizing data, examining relationships between variables, sampling distributions, estimation and significance tests, inference for means, and applications for specific disciplines. Includes a laboratory requirement (MATH-1000L). *A laboratory fee will be assessed. Cross-listed as PSYC-2040. Students may not hold credit in both this course and PSYC-2040.*

MATH-1020 Introduction to Calculus (3.0 credit hours)

Theory and techniques of limits, derivatives, antiderivatives, and differential equations, with applications to optimization, rates of change, area, volume, physics, and biology. Includes a laboratory requirement (MATH-1020L). *A laboratory fee will be assessed. Prerequisite: a minimum grade of 60 per cent in Pre-calculus Mathematics 40S or MATH-0900.*

MATH-1030 Calculus II (3.0 credit hours) Theory and techniques of integration, sequences, series, Taylor series, parametric and polar curves, with applications to area, volume, arc length, surface area, physics, and biology. *A laboratory fee will be assessed. Prerequisite: MATH-1020 with minimum grade of "C".*

MATH-1040 Elements of Discrete Mathematics (3.0 credit hours) An introduction to elements of discrete mathematics. Topics include formal logic, proof techniques, basic set theory, relations and functions, sequences, algorithms, modular arithmetic, number theory, mathematical induction, basic counting, graphs, and trees. Includes a laboratory requirement (MATH-1040L). *A laboratory fee will be assessed. Prerequisite: a minimum grade of 60 per cent in Grade 12 Mathematics or permission of the instructor. This is a terminal course and is not designed for students who want to pursue courses at the 2000-level or higher in Mathematics, Computer Science, Engineering, or Sciences. Students may not hold credit for this course and MATH-2000.*

MATH-1050 The Art of Mathematical Thinking (3.0 credit hours) Maths are creative, powerful, and yes—even artistic! Learn to think more effectively as you encounter the beauty of mathematical ideas such as the Fibonacci sequence (numbers), Hilbert's hotel (infinity), the fourth dimension (geometry), Celtic knots (topology), the Mandelbrot set (fractals), the Monty Hall problem (probability), and resource allocation (decision theory). A mathematics background is not assumed. *This course cannot be used within a Mathematics major or minor. No Prerequisite other than university admission requirements.*

MATH-2000 Discrete Mathematics (3.0 credit hours) An introduction to the mathematics of discrete objects.

Topics include formal logic, proof techniques, basic set theory, Boolean algebras, relations and functions, sequences, algorithms, modular arithmetic, number theory, mathematical induction, basic counting, partial orders, graphs and trees. Includes a laboratory requirement (MATH-2000L). *A laboratory fee will be assessed. Prerequisite: a minimum grade of 60 per cent in Pre-calculus Mathematics 40S. This course is designed for students who want to pursue courses at the 2000-level or higher in Mathematics, Computer Science, Engineering, or Sciences. Students may not hold credit for this course and MATH-1040.*

MATH-2005 Vector Geometry and Linear Algebra (3.0 credit hours)

An introduction to vectors, matrices, systems of linear equations, and three-dimensional geometry. *Prerequisite: a minimum grade of 60 per cent in Grade 12 Mathematics or MATH-0900 or permission of the instructor. Students may not hold credit for both this course and the former MATH-1010.*

MATH-2010 Linear Algebra 2 (3.0 credit hours)

A continuation of MATH-2005. Finite dimensional vector spaces; linear transformation and matrices; eigenvalues and eigenvectors; diagonalization and applications; inner product spaces. *Prerequisite: MATH-2005 or former MATH-1010 and MATH-1020 with minimum grades of "C".*

PHYS/MATH-2010 Electromagnetic Field Theory (3.0 credit hours)

An introduction to the theory of electromagnetism. Topics to be covered include the electric field, electric potential, Gauss' law, capacitors, dielectric materials, magnetic fields, Ampere's law, magnetic induction, magnetic materials, displacement current, and Maxwell's equations. *Prerequisite: A grade of "C" or better in both PHYS-1010 and MATH-1030.*

MATH-2020 Intermediate Calculus: Multivariable (3.0 credit hours)

Calculus of several variables. *Prerequisite: MATH-2005 or former MATH-1010 and MATH-1030 with minimum grades of "C".*

MATH-2030 Intermediate Calculus: Sequences and Series (3.0 credit hours)

Introductory analysis, sequences, and series. *Prerequisite: MATH-1030 with a minimum grade of "C".*

MATH-2040 Ordinary Differential Equations 1 (3.0 credit hours)

An introduction to the theory of ordinary differential equations, and practical techniques of solution, principally relating to first order and linear higher order equations; linear systems. Applications to problems in science and other selected areas. *Prerequisites: MATH-1030 with minimum grades of "C". Recommended corequisite: COMP-1030.*

PHYS/MATH-2100: Quantum Physics I (3.0 credit hours)

This course introduces the basic features of quantum mechanics, which is the foundation of modern technologies such as lasers, transistors, and solar cells. It begins with the problem of cavity radiation and normal modes, introduces Planck's quantization postulate, and leads to the Schrodinger theory of quantum mechanics, with emphasis placed on the solutions to the Schrodinger wave equation in one dimension. *Pre-requisites: MATH-1030 and PHYS-1020 with minimum grades of "C".*

MATH-2950 Topics in Mathematics (3.0 credit hours)

The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: To be determined, depending on the topic.*

MATH/PHIL-3000 Philosophy of Mathematics (3.0 credit hours)

The philosophy of mathematics includes matters of metaphysics, semantics, and epistemology. This course will provide an overview of the philosophy of mathematics, including (1) the views of some historical philosophers of mathematics, from Plato and Aristotle to Immanuel Kant and John Stuart Mill, (2) the three major positions of the twentieth century, namely, logicism, intuitionism, and formalism, and (3) some contemporary accounts of mathematics, such as ontological realism, anti-realism, and structuralism. *Prerequisite: 30 credit hours of university-level studies, including MATH-1040 with a minimum grade of "C".*

MATH-3040 Ordinary Differential Equations 2 (3.0 credit hours)

Laplace transforms, series solutions of ODEs, systems of linear ODEs, applications, introduction to dynamical systems. *Pre-requisite: MATH-2040 with a minimum grade of "C" and 30 credit hours of university-level studies. Corequisite: MATH-2030.*

BUSI/MATH-3040 Quantitative Methods in Business and Organizational Administration (3.0 credit hours)

This course covers multiple regression analysis, forecasting, time series and linear programming as they are applied to organizational decision making. The course also discusses the application of these topics to management science techniques and models. *Prerequisite: MATH-1000.*

MATH-3050 Dynamical Systems and Chaos (3.0 credit hours)

Introduction to nonlinear difference and differential equations and their features, including stability, periodicity, attractors, bifurcation, fractals, and chaos. Project-based learning and computational analysis will be emphasized throughout, with applications drawn primarily from mathematical biology, including population, harvesting, predator-prey, competition, host-parasite, disease, and epidemic models. *Prerequisite: MATH-1030 and 30 credit hours of university-level studies. Corequisite: COMP-1030. Students may not hold credit for both this course and BIOL-3600.*

MATH/PHIL-3060 Introductory Logic (3.0 credit hours)

An introduction to the semantics of philosophical logic, which is the mathematics of propositions. The course covers classical logical theory, the foundation for mathematical proof, and also some rival logics. These include incomplete logic, in which some statements are neither true nor false; inconsistent logic, in which some statements are both true and false; and free logic, in which statements can be made about objects that do not exist. *Corequisite: MATH-1040 or MATH-2000.*

MATH-3950 Topics in Mathematics (3.0 credit hours)

The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level study, plus additional Prerequisite to be determined, depending on the topic.*

MATH-4000 Thesis in Mathematics (6.0 credit hours)

This course is restricted to students completing the Bachelor of Arts, four-year major. For information on eligibility, due dates, procedures, and requirements, students should request a document from the Registrar's Office. Approval of the application will be contingent on the availability of faculty members to serve as thesis advisor and second reader.

MATH-4940 Independent Study in Mathematics (3.0 credit hours)

A study in a specific area of Mathematics under the direction of a faculty member. *Prerequisite: MATH-2005 or former MATH-1010 and MATH-1020, an additional nine credit hours in Mathematics, and a minimum of 60 credit hours of university-level studies.*

MATH-4950 Topics in Mathematics (3.0 credit hours)

The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level study, plus additional Prerequisite to be determined, depending on the topic.*

Music

Music studies consist of the discipline and art of music-making along with exploration of how music serves human needs for constructive imagination, beauty, worship, and reconciliation. In addition to individual applied music studies and academic music courses, CMU music studies include participation in a wide variety of ensembles including choirs, guitar ensemble, vocal jazz, jazz band, worship band, opera workshop, and small chamber groups. Bachelor of Music degrees prepare students for careers and further studies in music education, performance, musicology, music administration, and music ministry.

Students may choose courses in music to fulfill requirements for general electives in any degree

program. Music courses, other than applied or ensemble courses, may also be used toward subject area requirements. Students who wish to concentrate on Music may choose from the following program options:

- Bachelor of Music (Four-Year)
- Bachelor of Music Therapy (Four-Year)
- Bachelor of Arts (Major in Music, Four-Year)
- Bachelor of Arts (Major in Music, Three-Year)

For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

NOTES:

1. *Since many of the following courses assume a basic knowledge of music, the prerequisite is often expressed as 'successful theory placement test'. Students may demonstrate that they meet the prerequisite by passing the theory placement test during their application process or during the registration period. Students who have not gained the necessary proficiency may enrol for group or individual instruction in rudimentary music theory through CMU's Community School of Music and the Arts.*
2. *All new students planning to register in Individual Applied Music Studies, whether as a minor or a major, must complete an auditioning process. Auditions occur during the spring preceding entry to studies at CMU as well as during the registration period and will require students to perform a minimum of two pieces or movements in contrasting style.*
3. *The following courses qualify as Church Music courses.*
 - MUSC/BTS-2300 Music Ministry and Resources
 - MUSC/BTS-2310 Hymnology: The History of Congregational Song
 - MUSC-2320 Liturgy and Artistic Expression
 - MUSC/BTS-2330 Leading Music and Worship
 - MUSC/BTS-3310 Church Renewal and Music in the Twentieth Century*Students in the Bachelor of Music, the Bachelor of Music Therapy, and the Bachelor of Arts (Music Major) must complete two of these courses.*
4. *Music ensembles include the following: MUSC-X700, X701, X702, X711, X720, X730, X740, X750, X753, X755, X760, X770, X131, X132, X160, and X133.*
5. *Applied music courses include the following: MUSC-14XY-16XY to 44XY-46XY Individual Applied Music Studies, MUSC-2840, 2850, 2860, 3070, 3170, 3860, 3890, 4170, and 4180.*

MUSC-1000 Music Theory I (3.0 credit hours) An introduction to musical discourse based on acoustic principles and common practice technique. The study will include an exploration of line, texture, and form through writing and analysis. *Prerequisite: Successful theory placement test; corequisite: MUSC-1100.*

MUSC-1010 Music Theory II (3.0 credit hours) A continuation of Music Theory I, with an emphasis on chorale-style harmonization based on the contrapuntal relationships of melodic voices. Small instrumental forms

also will be studied. *Prerequisite: MUSC-1000; corequisite: MUSC-1110.*

MUSC-1100 Music Skills I (1.5 credit hours) The development of aural skills through sight-singing, dictation, and aural analysis. Also included is keyboard proficiency through score reading, figured bass realization, and improvisation. *Corequisite: MUSC-1000.*

MUSC-1110 Music Skills II (1.5 credit hours) A continuation of Music Skills I. *Prerequisite: MUSC-1100; corequisite: MUSC-1010.*

MUSC-1220 The Art of Music (3.0 credit hours) This course is an introduction to thinking, writing, and doing music as it examines the larger questions of music: What is music? What is the value of music? Do humans need music? Why do humans engage in this activity? To what does music give expression? The course will also explore topics such as music and society, music and gender, the musical canon, and the philosophy/theology of art and music in different eras and cultures. *Musical notation not required.*

MUSC-1499 Music Preparatory Skills (2.0 credit hours) This course is designed to help students upgrade keyboard and aural skills through weekly private instruction (1-hour lessons). This course cannot serve as a music elective within music degrees. *The tuition fee for this course is the same as for an individual applied music study of two credit hours.*

MUSC-14XY to 16XY, 24XY to 26 XY, 34XY to 36XY, and 44XY to 46XY Individual Applied Music Studies: These courses consist of twenty-four weekly lessons, twelve in each semester. IAMS courses are open to all students who are enrolled for at least one other 3 credit-hour course each semester. Students may enrol for a one-semester IAMS course at beginning in January. Student may enrol for a one-semester IAMS course in September only if they will not be studying at CMU during second semester. IAMS courses are not available for auditing. They are available as minors or as majors, as follows:

Minor, 2 credit hours: The student receives weekly ½-hour private instruction in a chosen applied area over the course of an academic year. *Prerequisite: A placement audition.*

Major, 3 credit hours: The student receives weekly ¾-hour private instruction in a chosen applied area over the course of an academic year. *Prerequisite: A successful audition.*

Major, 5 credit hours: The student receives weekly one-hour private instruction in a chosen applied area over the course of an academic year. *Prerequisite: A successful audition.*

Course numbers: The numbers presented above have two variables, X and Y. The variable Y indicates the credit hour value of the course, namely, 2, 3, or 5 credit hours. The variable X, taken together with the digit before, indicates the instrument, for examples, “40” indicates piano, and “41” indicates voice. Hence:

MUSC-1402 is an individual applied study in piano, 2 credit hours in value

MUSC-1403 is an individual applied study in piano, 3 credit hours in value

MUSC-1405 is an individual applied study in piano, 5 credit hours in value

MUSC-1412 is an individual applied study in voice, 2 credit hours in value

MUSC-1413 is an individual applied study in voice, 3 credit hours in value

MUSC-1415 is an individual applied study in voice, 5 credit hours in value

Each instrument will be assigned a distinct number. So far, the following are assigned:

140Y = piano, 141Y = voice, 144Y = bass guitar, 145Y = percussion, 146Y = guitar, 147Y = organ, 148Y = conducting, 150Y = violin, 151Y = viola, 152Y = cello, 153Y = double bass, 155Y = composing, 156Y = flute, 157Y = saxophone, 158Y = clarinet, 164Y = trumpet, 165Y = French horn, 166Y = tuba, 167Y = trombone, 168Y = harp, 169Y = oboe

MUSC-1700, 2700, 3700, 4700 CMU Singers (2.0 credit hours) CMU Singers is a large, mixed ensemble open to all students from CMU programs. There will be a voice placement interview in mid-September. CMU Singers meets every Friday for two-hour rehearsals that regularly divides for upper voice and lower voice sectional rehearsals as well as full SATB chorus rehearsals. The CMU Singers will take part in on-campus events, concerts, and worship services in addition to off-campus events with church and the larger community. When appropriate, the CMU Singers will form the core of CMU Festival Chorus, a symphonic chorus of alumni and community members that performs regularly with the Winnipeg Symphony Orchestra. *Admission by audition or permission of the instructor.*

MUSC-1701, 2701, 3701, 4701 Men’s Chorus (1.0 credit hour) An auditioned ensemble available to students who are not in CMU Singers or CMU Chamber Choir, but members of those ensembles are automatically part of this ensemble. This choir has deputation and concert responsibilities, but they do not go on tour. This ensemble is open to all students enrolled for at least one 3-credit hour course each semester.

MUSC-1702, 2702, 3702, 4702 Women’s Chorus (1.0 credit hour) An auditioned ensemble available to students who are not in CMU Singers or CMU Chamber Choir, but members of those ensembles are automatically part of this ensemble. This choir has deputation and

concert responsibilities, but they do not go on tour. This ensemble is open to all students enrolled for at least one 3-credit hour course each semester.

MUSC-1711, 2711, 3711, 4711 CMU Chamber Choir (3.0 credit hours) The CMU Chamber Choir provides a challenging choral experience for students with upper voices who are advanced in their vocal studies and/or their choral experience. Repertoire for this ensemble will be chosen from a variety of genres and styles, providing opportunity for advanced students to strengthen and increase their musicianship skills. Students take part in rehearsals twice a week and become part of the larger ensemble, CMU Singers. *Admission by audition or permission of the instructor.*

MUSC-1720, 2720, 3720, 4720 Jazz Band (1.0 credit hour) An auditioned ensemble. Performance opportunities will include both on-campus and off-campus events. This ensemble is open to all students enrolled for at least one 3-credit hour course each semester.

MUSC-1730, 2730, 3730, 4730 Mennonite Community Orchestra (1.0 credit hour) Consists of CMU students and members of the community, performing the standard orchestral repertoire. It presents one concert each semester. This ensemble is open to all students enrolled for at least one 3-credit hour course each semester.

MUSC-1740, 2740, 3740, 4740 Guitar Ensemble (1.0 credit hour) An auditioned group that plays traditional and contemporary repertoire, both original guitar ensemble music, as well as arranged or transcribed repertoire. Performance opportunities will include both on-campus and off-campus events. This ensemble is open to all students enrolled for at least one 3-credit hour course each semester.

MUSC-1750, 2750, 3750, 4750 Steel Drums Ensemble (1.0 credit hour) Performance opportunities will include both on-campus and off-campus events. This ensemble is open to all students enrolled for at least one 3-credit hour course each semester.

MUSC-1753, 2753, 3753, 4753 Concert Band (1.0 credit hour) A large instrumental ensemble open to all CMU students regardless of major. Performance opportunities will include both on-campus and off-campus events. This ensemble is open to all students enrolled for at least one 3-credit hour course each semester.

MUSC-1755, 2755, 3755, 4755 Handbell Ensemble (1.0 credit hour) This course is open to students of all musical abilities. It will focus on proper ringing techniques, music literacy, rhythmic skills, collaboration, and performance. The ensemble will have several performance opportunities throughout the year. No audition required.

MUSC-1760, 2760, 3760, 4760 Vocal Jazz Ensemble (1.0 credit hour) An auditioned *a cappella* SATB vocal ensemble that explores both secular and sacred repertoire in the jazz idiom. Affords the opportunity to study jazz vocal techniques while working within the context of a small ensemble. Deputation and performance responsibilities will include church services, university events, chapel services. This ensemble is open to all students enrolled for at least one 3-credit hour course each semester.

MUSC-1770, 2770, 3770, 4770 Flute Ensemble (1.0 credit hour) The CMU Flute Ensemble is an auditioned ensemble, meeting weekly with regular coaching. The Flute Ensemble will have opportunity to play both at CMU functions, as well as off-campus events/ services. Auditions take place in September or speak to the director before the end of classes. This ensemble is open to all students enrolled for at least one 3-credit hour course each semester.

COMM/MUSC-1790 Sound Technology Workshop (1.0 credit hour) An introduction to live sound technology as applied to both speaking and music contexts. The workshop includes in-class training sessions along with significant practical experience in any forum in which a CMU sound technician is required, including music ensembles, chapels, and CMU events. *Students who successfully complete this course will qualify to apply for opportunities as CMU sound technicians.*

MUSC-2000 Music Theory III (3.0 credit hours) A continuation of the study of common practice structures and expressions, concentrating on extended forms and chromaticism through both writing and analysis. *Prerequisite: MUSC-1010; corequisite: MUSC-2100.*

MUSC-2010 Music Theory IV (3.0 credit hours) An examination of extended tonal and post-tonal repertoire in relation to common practice discourse. Works studied will include those based on expanded tonal techniques, motivic gestures, twelve-tone theory, and those of rhythmic or textural rather than pitch-centred motivation. This course also includes a unit on structuring within fugues. *Prerequisite: MUSC-2000; corequisite: MUSC-2110.*

MUSC-2100 Music Skills III (1.5 credit hours) A continuation of the development of aural and keyboard skills within extended tonal and post-tonal structures. *Prerequisite: MUSC-1110; corequisite: MUSC-2000.*

MUSC-2110 Music Skills IV (1.5 credit hours) A continuation of Music Skills III. *Prerequisite: MUSC-2100; corequisite: MUSC-2010.*

MUSC-2131, 3131, Collaborative Piano (1.0 credit hour) A practical study in the art of accompanying and collaborating in a variety of small ensembles. This course

will include master classes and lectures. May be used to fulfill ensemble credit. *Admission by permission of the instructor.*

MUSC-2132, 3132, Collaborative Piano (2.0 credit hours) A practical study in the art of accompanying and collaborating in a variety of small ensembles. This course will include master classes and lectures. May be used to fulfill ensemble credit. *Admission by permission of the instructor.*

MUSC-2145 Lyric Diction (3.0 credit hours) A study of the basic phonetics and accepted principles of lyric diction of languages most commonly used in choral, operatic, and song repertoire: Latin, French, German, Italian, and English. *Pre/corequisite: MUSC-141X (voice). Students may not hold credit for both this course and the former MUSC-1140.*

MUSC-2150 Conducting Techniques I (3.0 credit hours) A practical exploration and study in the grammar and techniques of conducting, with a focus on leading choirs and other music in school, church, and community settings. Emphasis will be on learning basic conducting gestures, vocal techniques, and in the development of music leadership skills. *Reading musical notation required.*

MUSC-2160, 3160, 4160 Opera/Musical Theatre Workshop (2.0 credit hours) Study and performance of selections from operatic and/or musical theatre literature. May be used to fulfill Ensemble credit. *Admission by audition or permission of the instructor.*

MUSC-2163, 3163, 4163 Opera/Musical Theatre Workshop (3.0 credit hours) Study and performance of selections from operatic or musical theatre literature. Participants in this 3-credit option will be assigned duties as they pertain to a semi-annual full-length production including assistant directing, producing, and costume/prop coordination. May be used to fulfill Ensemble credit. *Admission by audition or permission of the instructor.*

MUSC-2220 Music History I (3.0 credit hours) A chronological survey of the history of music in Western Civilization from antiquity through the Baroque era, tracing the evolution of musical idioms and styles. *Prerequisite: MUSC-1220 or permission of the instructor. Students may not hold credit for this course and the former MUSC-1200.*

MUSC-2230 Music History II (3.0 credit hours) The continuation of the survey of music in Western Civilization, from the mid-eighteenth century to the present. *Prerequisite: MUSC-1220 or permission of the instructor. Students may not hold credit for this course and the former MUSC-1210.*

MUSC-2250 History of Jazz (3.0 credit hours) A chronological survey of jazz from its origins to the present. The course will trace the development of important styles and feature the works of influential performers. Topics for study will include the beginnings and evolution of the blues, ragtime, the swing era, avant garde and free jazz, contemporary trends, related developments, and Canadian contributions.

MUSC-2260 Worlds of Music (3.0 credit hours) A survey of music and musical cultures whose traditions are traced to the East and the South. Critical questions involving constructions of cultural hybridity, identity formation of and through music, and outsider participation will be considered. *Prerequisite: A minimum of 30 credit hours of university studies.*

MUSC/HIST-2270 History of Rock Music: Investigating Rock's 'Storied' Past, 1960-1995 (3.0 credit hours) This course explores the lives of artists and changing musical trends in rock music history, beginning with the origins of rock music in genres including blues, Country & Western, and gospel, and continuing through several differing streams of music that fall under the umbrella of "rock" at the end of the twentieth century. In addition to practicing close listening, students will focus on primary sources as a means to critically examining the social and political process of history-making. *Reading musical notation not required.*

MUSC/HIST-2280 History of Gospel Music (3.0 credit hours) This critical cultural history of gospel music from the United States and around the world engages the Black experience as a central part of this music's history. Using primary and secondary materials, this class investigates the historical, religious, political, cultural, and social context of the musical worlds in which these artists and audiences lived. Students will engage in close listening practices to musical examples from across the globe. *Reading musical notation not required.*

MUSC/BTS-2300 Music Ministry and Resources (3.0 credit hours) An introduction to music ministry in the church. Attention will be focused on the function of music in the context of Christian worship. In addition to exploring a variety of worship music styles and resources, attention will also be given to the development of leadership skills for music ministry. *Reading musical notation not required.*

MUSC/BTS-2310 Hymnology: The History of Congregational Song [PT] (3.0 credit hours) A study of the historical development and practice of the various streams of Christian congregational song up to the early twentieth century. Primary attention will be given to the creation of worship music (the sources of texts and tunes), its practice (leadership styles, modes of presentation), and its function in liturgy, proclamation, and education. *Reading musical notation not required.*

MUSC-2320 Liturgy and Artistic Expression (3.0 credit hours) A study of the origins and developments of liturgies and their influence on music, architecture, painting, sculpture, etc., throughout the history of the Christian church, including the influences of these developments on non-liturgical traditions.

MUSC/BTS-2330 Leading Music and Worship (3.0 credit hours) A study of preparing and leading worship, with a primary focus on enabling the congregational voice. Attention will be given to understanding the theological and musical bases for song selection within a variety of worship traditions, as well as the development of practical leadership skills, both spoken and sung. *Reading musical notation not required.*

MUSC-2700 Research in Music Education and Therapy (3.0 credit hours) Methodologies for interpreting, conducting, and reporting research. Students will also perform data base literature searches and consider how to apply research findings to practice. *Prerequisite: 60 credit hours of university-level studies.*

MUSC-2840 Percussion Techniques A (1.5 credit hours) This course serves as an introduction to the instruments in the percussion family. It will focus on hand drums and other small percussion instruments found in most school band/orchestral programs and useful in music therapy settings. In addition, students will explore basic drum set coordination and basic world percussion rhythms. *Prerequisite: Successful theory placement test. Students may not hold credit for both this course and former MUSC-3840 or MUSC-3850.*

MUSC-2850 Percussion Techniques B (1.5 credit hours) This course extends the focus of MUSC-2840 to include learning percussion techniques common to notated and improvised musical styles. An ensemble component forms part of this course. *Students may not hold credit for both this course and former MUSC-3840 or MUSC-3850. Prerequisite: Prerequisite: Successful theory placement test.*

MUSC-2860 Class Guitar (1.5 credit hours) This class will help students develop a basic mastery on guitar and learn to play chord progressions in a variety of keys and in a variety of styles, utilizing strumming and finger picking techniques.

MUSC/COMM-2900 Music and Film (3.0 credit hours) This course offers an introduction to music and film for movie fans as well as those interested in visual media and music production. Within multimedia texts, sounds and visuals co-produce meaning, with music shaping how we see and images influencing how we listen. This course aims to illuminate these meaning-making processes, situating them in dynamic social and cultural contexts. Over the semester this course will explore historic and contemporary films from around the globe, along with

different forms of media technologies such as the microphone, radio, and DVD. *Reading musical notation not required.*

MUSC-2950 Topics in Music (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors.

MUSC/COMM-3010 Music Production (3.0 credit hours) This course is an entry point for developing a skill set to serve the creative process of composition. These skills include planning and pre-production, composing, recording, editing, and mixing original musical compositions. Topics covered include: recording and editing audio; acoustics; using effects (reverb, EQ, compression etc.); scoring for film, live theatre and video games; mixing and finalizing music tracks; the business of Music Production. *Prerequisite: MUSC-1010 or permission of the instructor. Reading musical notation not required.*

MUSC-3050 Composing and Arranging Seminar (3.0 credit hours) An exploration of the discipline and craft of composing and arranging for both choral and instrumental ensembles. Through the study of literature and scoring techniques, topics such as text-setting, choral and orchestral techniques, electronic music, and charting for popular music will be explored. The course includes both score preparation and opportunities for recital performances of original works. *Prerequisite: MUSC-2010.*

MUSC-3055 Piano Pedagogy, Repertoire, and Interpretation (3.0 credit hours) A critical study of the repertoire and resources through which the piano commonly is taught, the concepts through which musicianship and technique are understood, and the purposes and institutions with which the piano is associated. A practical component will include teaching students with various levels of experience and in distinct musical styles. *Prerequisite: MUSC-240X (piano) or permission of the instructor. Students may not hold credit for both this course and the former MUSC-4050.*

MUSC-3060 Vocal Pedagogy, Repertoire, and Interpretation (3.0 credit hours) A study of the foundations of solo vocal techniques, beginning teaching principles, and repertoire. The course will also explore the solo vocal literature from Renaissance to the present, providing opportunity to sing the examples of exercises and literature. *Prerequisite: MUSC-241X (voice). Students may not hold credit for both this course and the former MUSC-4060.*

MUSC-3070 Private Studio Teaching Techniques (3.0 credit hours) A study of foundations of private teachings and techniques commonly used in private studios, repertoire and additional resource materials needed to start your own studio. A practical component will include

teaching students with various levels of experience and styles, including supporting neurodivergent learners. *Prerequisite: MUSC-2150 or permission of instructor. Students may not hold credit for both this course and one of MUSC-3055, 3060, or 3080.*

MUSC-3080 Directed Study in Pedagogy and Repertoire (3.0 credit hours) A directed study in the pedagogy and repertoire of the student's major instrument (instruments other than piano). *Students may not hold credit for both this course and the former MUSC-4080.*

MUSC/ENGL-3090 Songwriting: Words and Music Together (3.0 credit hours) Songs are an ancient mode of expression and historically a powerful force expressing and motivating public opinion, persisting today as one of the most popular art forms. This course for non-majors as well as majors examines songs in a variety of genres and languages, by composers from many cultures and of diverse identities. We will analyze how these songs work, learn simple forms and harmonic progressions, and finally write songs and learn basic studio recording techniques. *Prerequisite: 30 credit hours of university-level study and permission of the instructor. Reading musical notation not required.*

MUSC-3100 Early Musical Development (3.0 credit hours) An examination of methodologies for the development of musicianship in children in light of contemporary theories of music education, including those of Kodaly, Orff, Suzuki, Dalcroze, and Gordon. Students will evaluate conventional and contemporary curriculum design and will interact with local music educators in various school settings. *Prerequisite: 30 credit hours of university-level study.*

MUSC-3110 Cultural Perspectives and Critical Pedagogy in Music Education (3.0 credit hours) This course seeks to centre the student and their perspectives as a pedagogy for critical thinking that engages rehearsal techniques and classroom teaching in making connections with musical materials and the world beyond. Implicit within making these connections, this course will address issues of musical identity and achievement, equity and excellence, developmental musicianship, teaching for the whole child, and the importance of nurturing the student and teacher relationship. *Prerequisite: 30 credit hours of university-level studies. Reading notation strongly recommended. Students may not hold credit for both this course and MUSC-3100.*

MUSC-3120 Organ and Harpsichord Workshop (3.0 credit hours) An introduction to playing the organ and the harpsichord for advanced pianists. Plenary sessions will alternate with individual instruction on both instruments. In addition, topics such as service playing (organ), continuo playing, repertoire, and historically

informed performance practice will be addressed. Normally the workshop will be limited to six participants. Admission by permission of the instructor.

MUSC-3140 Vocal and Choral Techniques (3.0 credit hours) A study of how to teach vocal techniques in a classroom or choral setting. Students will actively participate in classroom instruction that focuses on a practical exploration of choral tone, vocal colour, and teaching strategies for all ages and levels of experience. As well, vocal development, vocal health, and physiology of the voice will be considered for study. This course is intended for students who are not in voice performance. *Prerequisite: MUSC-1010 and 1110. Students may not hold credit for both this course and the former MUSC-2140.*

MUSC-3150 Conducting Techniques II (3.0 credit hours) A continuation of Conducting Techniques I, with an emphasis on baton techniques, conducting large and small choral/instrumental ensembles, and rehearsal techniques. *Prerequisite: MUSC-2150.*

MUSC-3170 Jazz Ensemble Techniques (3.0 credit hours) A study of the tonal and formal materials of the jazz tradition, of procedures for rehearsing and directing small and large jazz ensembles, and of standard repertoire and performance materials. An applied component includes working with common styles and idioms of jazz arranging and improvisation in performance. *Prerequisite: MUSC-1010 and 30 credit hours of university-level study.*

MUSC-3200 Studies in Nineteenth-Century Music (3.0 credit hours) A focused study of the history and literature of music in its cultural context in the nineteenth century. *Prerequisite: MUSC-2230 and 30 credit hours of university-level study.*

MUSC-3210 Studies in Eighteenth-Century Music (3.0 credit hours) A focused study of the history and literature of music in its cultural context from the mid-eighteenth century to the early nineteenth century, including Haydn, Mozart, and Beethoven. *Prerequisite: MUSC-2230. Students may not hold credit for this course and the former MUSC-2210.*

MUSC-3230 Issues in Music Since 1900: Beauty, Noise, and Change (3.0 credit hours) Composers have always responded to world events and grappled with cultural change, but since 1900, they (and their audiences) had to come to terms with everything from industrial warfare to artistic modernism to the rise of the recording industry, all of which fundamentally altered social understandings of what music could be and what it could do. In this course, we will explore musics in their historical and cultural contexts, seeking to understand the relationships between new musical sounds, new musical forms, and new musical purposes against the backdrop of some of

the most tumultuous and vibrant times in human history. *Prerequisite: 30 credit hours of university-level study. Reading musical notation not required.*

MUSC-3240 Decolonizing our Learning through Music (3.0 credit hours) What do students and teachers learn about the nature of music based on the musical doings and products that are celebrated in the classroom? What forms of colonialism are present in music classrooms? Which students are served by current musical practice, and which students are systematically 'failed'? Underpinning these questions is a need for a critical examination of practice that centres Indigenous voices and decentres a colonial "stylistic and engagement hierarchy" (Rinsema, 2018) in doing and listening to music. *Prerequisite: 30 credit hours of university-level studies.*

MUSC-3250 Topics in Music and Culture (3.0 credit hours) An interdisciplinary course involving a dialogue between music and another area, for example, philosophy, theology, math, or English. Normally will be team-taught. Open to music and non-music students. *Prerequisite: 30 credit hours of university-level studies.*

MUSC/BTS-3310 Church Renewal and Music in the Twentieth Century (3.0 credit hours) A study of the renewal movements in the twentieth century, studying both their theology and music, including the impact of Vatican II, the charismatic movement, Taizé, Vineyard movement, etc. Attention will also be given to developments in contemporary hymnody. *Prerequisite: 30 credit hours of university-level study.*

MUSC-3398 Church Music Event/Project (2.0 credit hours) A public worship event or project organized and led by the student, under supervision of CMU faculty. *Prerequisite: 30 credit hours of university-level study.*

MUSC-3399 Recital I (2.0 credit hours) A public performance approximately 30-40 minutes in length in a particular area of applied music study comprising a minimum of three epochs of contrasting repertoire as specified by the chosen concentration. *Admission by permission of the Music Department.*

MUSC-3830 Psychology of Music (3.0 credit hours) An in-depth study of the psychological and physiological aspects of musical behaviour and experience including basic knowledge of music and affect, the influence of music on behaviour, and perception and cognition of music, as well as a study of current research in the field. *Prerequisite Successful theory placement test and 30 credit hours of university-level study.*

MUSC-3860 Brass Techniques (3.0 credit hour) Group instruction in brass instruments. Instruction explores playing techniques and examines materials and procedures for individual and group instruction. *Prerequisite: MUSC-2010.*

MUSC-3890 Woodwind Techniques (3.0 credit hour) Group instruction in woodwind instruments. Instruction explores playing techniques and examines materials and procedures for individual and group instruction. *Prerequisite: MUSC-2010.*

MUSC-3900 Readings in Musicology (3.0 credit hours) An introduction to various topics and approaches to musicology, including cultural studies and ethnomusicology. *Prerequisite: This course is restricted to students in the Bachelor of Music Musicology concentration. Eligible students should request a document outlining the procedures and requirements for this project from the Program Chair.*

MUSC/SOCI-3910 Music and Locality (3.0 credit hours) Most of us live our lives around and through music. We listen alongside many everyday activities—commuting, exercising, studying, cooking—but music is also at the heart of how we connect with friends, family, and our communities. This course centers musical practices as significantly meaningful, going beyond ideas of music as just entertainment or art, in order to explore people’s social relationships, personal and communal values, and music’s role in overall human flourishing. Students will engage in ethnographic investigations and qualitative analyses of local music scenes in Winnipeg, applying a variety of theories from sociology, media studies, and music to these local contexts and practices. *Prerequisite: 30 credit hours of university-level study. Reading musical notation not required.*

MUSC-3950 Topics in Music (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level study.*

MUSC-4000 Senior Thesis (3.0 credit hours) *This course is restricted to students in the Bachelor of Music Musicology concentration. Eligible students should request a document outlining the procedures and requirements for this project from the Program Chair.*

MUSC-4070 Choral Repertoire and Interpretation (3.0 credit hours) A critical study of the repertoire and resources for school, church, and community choirs with a goal of understanding musical style and interpretation. Students’ choral techniques will be developed through score study and the teaching of selected repertoire. The course includes a weekly choral lab requirement. *Prerequisite: MUSC-3150 and admission to a concentration.*

MUSC-4100 Music and Spiritual Meaning (3.0 credit hours) Throughout the history of Western civilization, music frequently has been understood to possess a numinous quality. Whether identified as reflecting the Platonic world soul, the Judeo-Christian Creator, the Romantic Sublime, or as the Will, the idea that music seeks to express the inexpressible, the thing longed for but not completely attainable, is a *Leitmotif* running through the contemplation of music since antiquity. This course will interrogate this theme through readings and reflection, and through exploring students’ own understanding of this idea. *Prerequisite: 60 credit hours of university-level studies, including MUSC-2220 and 2230 or former MUSC-1200 and 1210.*

MUSC-4170 Band and Orchestral Techniques (3.0 credit hours) A practical study in rehearsing and conducting large and small instrumental ensembles. Students will examine performance and instructional materials, appropriate for school, church, and community settings. *Prerequisite: MUSC-3150.*

MUSC-4180 Instrumental Ensemble Techniques (3.0 credit hours) A practical study in rehearsing and conducting large and small instrumental ensembles. Students will examine performance and instructional materials appropriate for schools, church, and community settings. *Prerequisite: MUSC-2150 or permission of the instructor. Students may not hold credit for this course and MUSC-4170.*

MUSC-4200 Studies in Medieval and Renaissance Music (3.0 credit hours) A focused study of the history and literature of music in its cultural context during the Medieval and Renaissance periods. Included will be a considerable emphasis on early music notation. *Prerequisite: MUSC-2230 and 30 credit hours of university-level study.*

MUSC-4210 Studies in Baroque Music (3.0 credit hours) A focused study of the history and literature of music in its cultural context from 1600 to 1750. *Prerequisite: MUSC-2230 or former MUSC-1210. Students may not hold credit for this course and the former MUSC-2200.*

MUSC-4220 Music Since 1945 (3.0 credit hours) An examination of the Western art music tradition, its repertoire(s), interpretive methodologies and means of valuation, from 1945 to the present. Consideration will be given to how three significant Western priorities of the last seventy years, a search for new orders, an historical consciousness, and a social awareness with a global imagination, have informed and been informed by musical repertoire and activity. *Prerequisite: MUSC-2230 and 30 credit hours of university-level study.*

MUSC-4230 Music Before 1945 (3.0 credit hours) The first half of the 20th century was, especially in the musical world, an intense period of unprecedented aesthetic and structural transformation. Composers have always responded to world events and grappled with cultural change, but in the 20th century, they (and their audiences) had to come to terms with everything from industrial warfare to artistic modernism to the rise of the recording industry, all of which fundamentally altered social understandings of what music could be and what it could do. In this course, we will explore primarily Western art music in its historical and cultural contexts, seeking to understand the relationships between new musical sounds, new musical forms, and new musical purposes against the backdrop of some of the most tumultuous and vibrant times in human history. *Prerequisite: MUSC-2230 and 30 credit hours of university-level study.*

MUSC-4300 Church Music Themes (3.0 credit hours) A seminar dealing with a specific topic of current interest in the area of church music. *Prerequisite: MUSC/BTS-2300 or 2320 and 30 credit hours of university-level study.*

MUSC-4360 Music Practicum (3.0 credit hours) A music practicum in applied music or arts administration, working in amateur, professional, or political organizations. *Prerequisite: 60 credit hours of university-level study.*

MUSC-4399 Recital II (3.0 credit hours) A 60-minute public performance in a particular area of applied music study, as required by the chosen concentration. *Admission by permission of the Music Department.*

MUSC-4940 Independent Study in Music (3.0 credit hours) An independent study under the direction of a faculty member in music. *Prerequisite: twelve credit hours in Music and a minimum of 60 credit hours of university-level studies.*

MUSC-4950 Topics in Music Research (3.0 credit hours) Students will meet regularly with a music faculty member for an independent study, resulting in a major research paper. *Prerequisite: 15 credit hours of music history.*

Music Therapy

MUTH-2800 Introduction to Music Therapy (3.0 credit hours) An overview of the field of music therapy, an introduction to the history and principles, to different therapy models and techniques, and to the many populations served by the discipline. This course is open to all students and professionals interested in learning more about the field. *Reading musical notation not required. Students may not hold credit for both this course and former MUSC-2800.*

MUTH-3801 Medical Music Therapy (3.0 credit hours) This course focuses on the use of music therapy in medical, gerontology, and palliative care settings. Clinical application of music techniques for clients in these settings will be explored with a focus on the therapeutic function of music. Students will learn about interdisciplinary work within team settings. *Prerequisite: MUTH-2800 and admission to the Music Therapy program. Students may not hold credit for both this course and former MUSC-3801.*

MUTH-3802 Music Psychotherapy (3.0 credit hours) This course provides an introduction to the use of music in psychotherapy and integration of verbal and nonverbal therapy techniques. Students will engage in cultural self-exploration and learn about safe and effective use of self in therapy. *Prerequisite: MUTH-3801 with a minimum grade of C+ and admission to the Music Therapy program. Students may not hold credit for both this course and former MUSC-3802.*

MUTH-3803 Developmental Music Therapy (3.0 credit hours) This course will focus on developmental and rehabilitative music therapy with children and adults. Principles of music therapy and theoretical approaches in developmental and rehabilitative settings will be discussed with a focus on the therapeutic function of music. Students will learn clinical skills, including assessment, treatment, and evaluation, as well as practical application of music therapy techniques for groups and individuals. *Prerequisite: MUTH-2800 and admission to the Music Therapy program. Students may not hold credit for both this course and former MUSC-3803.*

MUTH-3804 Humanistic Music Therapy (3.0 credit hours) This course will focus on Humanistic/Client-centred Music Therapy, the therapeutic relationship and therapeutic use of self in a range of settings including individual music therapy, work with teenagers, and mental health/wellness. Improvisation techniques and applications and use of technology in music therapy will be explored. *Prerequisite: MUTH-3803 with a minimum grade of C+ and admission to the Music Therapy program. Students may not hold credit for both this course and former MUSC-3804.*

MUTH-3805 Clinical Musicianship I (1.5 credit hours) This is the first in a sequence of four classes designed to build clinical musicianship skills which students will need for Music Therapy Practicum and Internship. This largely experiential class will support students in exploring their personal relationship with music. Students will be introduced to music in a music therapy context, and explore clinical improvisation, use of pre-composed music, and movement to music. *Prerequisite: MUTH-2800 and admission to the Music Therapy program.*

MUTH-3806 Clinical Musicianship II (1.5 credit hours) This is the second in a sequence of four classes designed to build clinical musicianship skills which students will need for Music Therapy Practicum and Internship. Students will gain experience in improvisation, receptive methods, composition, and explore integration of other creative arts with music. This class also includes small ensemble work in popular music forms. *Prerequisite: MUTH-3805.*

MUTH-3871 Observation and Clinical Skills (1.0 credit hour) This course provides a focused introduction to observation and clinical skills for music therapy. In addition to the seminar class, students will complete field observations of music therapy sessions conducted by certified Music Therapists (MTA). *Prerequisite: Admission to the Music Therapy program. Students may not hold credit for both this course and the former MUSC-2870 or MUSC-3870.*

MUTH-3881 Practicum I: Foundations of Clinical Practice (2.0 credit hours) Supervised field experience with different special populations, working with both groups and individuals. Designing, implementing, documenting, and evaluating clinical experiences. In addition to field placement, the student must attend a weekly on-campus seminar. *Prerequisite: MUTH-3871 with a minimum grade of C+. Students may not hold credit for both this course and the former MUSC-2880 or MUSC-3881.*

MUTH-4805 Clinical Musicianship III (1.5 credit hours) This is the third in a sequence of four classes designed to build clinical musicianship skills which students will need for Music Therapy Practicum and Internship. Through experiential learning and study of client case material, students will gain skill in facilitation, leadership, and making musical decisions with therapeutic intent. Methods will include clinical improvisation, use of pre-composed music, and movement to music. *Prerequisite: MUTH-3806.*

MUTH-4806 Clinical Musicianship IV (1.5 credit hours) This is the fourth in a sequence of four classes designed to build clinical musicianship skills which students will need for Music Therapy Practicum and Internship. Students will facilitate interventions including improvisation, receptive methods, composition, and explore integration of other creative arts with music. This class also includes small ensemble work in popular music forms and learning how to set-up and use microphones and amplifiers. *Prerequisite: MUTH-4805.*

MUTH-4870 Practicum II: Exploring the Clinical Process (3.0 credit hours) Supervised field experience with different special populations, working with both groups and individuals. Designing, implementing, documenting, and evaluating clinical experiences. In addition to field placement, the student must attend a weekly on-campus seminar. *Prerequisite: MUTH-3881 with*

a minimum grade of C+. Students may not hold credit for both this course and the former MUSC-3870 or MUSC-4870.

MUTH-4880 Practicum III: Senior Practicum (3.0 credit hours) Supervised field experience with different special populations, working with both groups and individuals. Designing, implementing, documenting, and evaluating clinical experiences. In addition to field placement, the student must attend a weekly on-campus seminar. *Prerequisite: MUTH-4870 with a minimum grade of C+. Students may not hold credit for both this course and the former MUSC-3880 or MUSC-4880.*

MUTH-5800 Music Therapy Internship (3.0 credit hours) Students will complete a 1000-hour Music Therapy Internship at a CAMT approved facility, with on-site clinical supervision by an accredited Music Therapist. The internship must meet Canadian Association for Music Therapy (CAMT) Internship guidelines, particularly the minimum requirement for 300 hours of direct client contact and 50 hours of supervision. *Prerequisite: Completion of all other requirements of the Bachelor of Music Therapy.*

Peace and Conflict Transformation Studies

In this interdisciplinary field, students will gain an understanding of the nature and dynamics of human conflict and will consider alternative ways of dealing with conflict that develop healthy relationships and prevent violence. Conflicts, from interpersonal to international, are analyzed from an interdisciplinary perspective together with topics such as violence, power, justice, peace, communication, culture, conflict transformation, and dispute resolution. PACTS will prepare students to understand and interact constructively in response to personal, local, and global conflict situations.

Students may choose courses in Peace and Conflict Transformation Studies to fulfill requirements for social sciences or general electives in any degree program. Students who wish to concentrate in this subject field may choose a major or a minor, either in the four-year or the three-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

The major in Peace and Conflict Transformation Studies requires course work in specific subfields. The subfield categories, with their abbreviations, are as follows:

APV: Analyzing Peace and Violence

PB: Peacebuilding

These category abbreviations appear in brackets next the Course ID and Course Title in the list below.

PCTS-1110 Introduction to Peace and Conflict Transformation Studies (3.0 credit hours). This course will enable students to develop an understanding of the roots and nature of conflict, violence, and peace. It examines a variety of models for constructive ways to respond to conflict, violence, and peace. Special attention will be given to the question of how to understand conflict in relation to violence and peace, and the complex realities they name. Related themes will be examined from an interdisciplinary perspective.

IDS/PCTS-2000 The Project Cycle (3.0 credit hours) Time-limited projects remain an important way in which development and other social change assistance are delivered by non-profit agencies. The course will introduce the elements and practices of the project cycle, from identification and planning, through monitoring and evaluation of project implementation, including key issues in the project cycle, such as logical frameworks, managing for results, participatory planning and evaluation, appreciative approaches, and capacity building. *Prerequisite: IDS-1110 or BUSI-1000.*

PCTS/IDS/POLS-2040 Global Issues (3.0 credit hours) Many countries around the globe face a similar set of issues as they relate to Indigenous peoples, economic development, religious change, justice and peace, migration, and the environment. These issues take a specific form in Guatemala, a country that has been shaped by a 36-year-long war. This course will examine the following issues through the lens of the Guatemalan context: environment, Mayan culture and spirituality, war and peace, and migration. *This course is available only through CMU's study abroad programs, Guatemala sites only. Prerequisite: 24 credit hours of university-level study, including 3 credit hours of introductory social sciences.*

PCTS-214X Peace Skills Workshop (1.5 credit hours) This workshop course will focus on developing knowledge and competencies in specific peacebuilding and conflict resolution skills. Possible topics include but are not limited to: mediation, nonviolent crisis intervention, conciliation, interfaith dialogue, facilitated meetings, and nonviolent direct action. The topics of the peace skills workshop may change from semester to semester. The workshop will usually be offered in an intensive format over 3 days, usually on a weekend. Instruction will be practice-based. *Prerequisite: PCTS-1110 or 24 credit hours of university-level study.*

PCTS-2221 Restorative Justice [PB] (3.0 credit hours) Identifies the principles of restorative justice and explores the application of these principles. Includes a critical assessment of victim-offender mediation, and the application of restorative principles within the criminal justice system, as they affect victims, offenders, and the community. Alternative models of the justice system as a whole will also be considered. *Prerequisite: PCTS-1110.*

PCTS-2262 Conflict, Faith, and Community [PB] (3.0 credit hours) This course explores how conflict and conflict transformation are linked to personal faith and life in community. Students will first have the opportunity to investigate what is meant by "faith" and "community." Students will then explore how faith and community can shape their understanding of conflict and the practice of conflict transformation. Diverse views of conflict and faith developed by secular as well as various religious communities will be examined. *Prerequisite: PCTS-1110.*

PCTS/IDS-2443 Conflict and Development Issues in Indigenous Communities (3.0 credit hours) Within the broad framework of international development and conflict transformation studies, this course explores the dynamics of Indigenous communities globally, with special reference to the Canadian context. Processes of marginalization and underdevelopment will be presented in order to understand Indigenous communities' social, economic, and political situation. *Prerequisite: either PCTS-1110 or IDS-1110.*

ENVS/PCTS-2620 Ecological Peacebuilding [PB] (3.0 credit hours) This course will explore the role of the ecology in peacebuilding, focusing on relationships between environmental insecurity and conflict, ecological integrity and justice, and on the politics, theory and skills of ecological peacebuilding. Drawing upon a broad range of historical and contemporary case studies, students will be encouraged to apply these insights as part of the learning process. *Prerequisite: PCTS-1110.*

PCTS-2810 History and Strategies of Non-Violence [APV] (3.0 credit hours) Non-violence has a long and rich history, usually overshadowed by history as the story of violence. This course reviews the history of non-violent social change and explores the dynamics of non-violent action. It also examines the motivations and strategies of a variety of non-violent actions. *Prerequisite: PCTS-1110.*

PCTS/ANTH-2820 Aggression, Violence, and War in a Social-Scientific Perspective [APV] (3.0 credit hours) This course will investigate and assess psychological, sociological, anthropological, and socio-biological perspectives and theories of aggression, violence, and war. Case studies will be used to test the applicability of these theories and their usefulness for approaching peacebuilding work. *Prerequisite: PCTS-1110, PSYC-1020, SOCI-1110, or ANTH-1610 and 1620.*

PCTS-2950 Topics in Peace and Conflict Transformation Studies (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: PCTS-1110.*

PCTS-3100 Models for Peace and Conflict

Transformation [PB] (3.0 credit hours) This course examines integrative models of social change, which hold together peace, development, justice, and identity issues. Using such models requires the multifaceted tasks of critical analysis of structural violence and direct violence, nurturing justice through human development, proactive building of dynamic peace cultures, and responding to crises in ways that build on local cultural and faith traditions and that witness to a sustainable and peaceable future. *Prerequisite: PCTS-1110 and 30 credit hours of university-level study.*

PCTS-3120 Cultures of Violence, Cultures of Peace

[APV] (3.0 credit hours) A multi-layered examination of peace and violence from the perspective of culture, addressing questions such as: How are attitudes towards peace and violence reflected in the way cultures enact discipline, security, education, reconciliation, etc.? How are peace and violence reflected in expressions of popular culture and various sub-cultures? How are peace and violence modelled in relationships between different cultures? How might the very idea of culture be questioned through the lens of peace? *Prerequisite: PCTS-1110 and 30 credit hours of university-level study, or instructor's permission.*

PCTS-3240 Workplace Conflict [PB] (3.0 credit hours)

This course will examine contemporary workplace issues, causes of workplace conflict and a variety of responses such as negotiation, conciliation, mediation, grievance procedures, and arbitration as well as tribunals such as labour relations boards and human rights commissions. Issues to be examined may include violence, bullying, harassment, organizational culture, 'constructive dismissal', and other workplace concerns. *Prerequisite: BUSI-1000 or PCTS-1110 & 30 credit hours of university-level study.*

PCTS-3600 Art of Peacebuilding [PB] (3.0 credit hours)

Peacebuilding is a creative, dynamic art. Through an examination of local, national, and international case studies of peacebuilding, and through careful reflection on the dynamics of conflict transformation and peacebuilding, this course seeks to nurture students' strategic imaginations and creative capacities as artisans of peace. *Prerequisite: PCTS-1110 and 30 credit hours of university-level study.*

PCTS-3700 Ethics of Peacebuilding (3.0 credit hours)

This course explores ethical challenges and dilemmas that occur in peacebuilding within conflict-impacted contexts. Peacebuilding theorizing revolves around the following questions: Who has agency in peacebuilding? How do we know whether we are doing peacebuilding well? What questions should we ask? It is important both to explore the practicalities of building peace and to analyze the assumptions underlying the peacebuilding work. The course will examine the extent to which ethical

concerns influence and inform peacebuilding; analyze on-the-ground practices, as well as the values and worldviews embedded in peacebuilding efforts; and explore creative possibilities for addressing these discoveries. Students will be introduced to case studies and ethical frameworks to ground the discussion.

Prerequisite: PCTS-1110.

BTS/PCTS-3780 Faith and Toleration [T] (3.0 credit

hours) This course explores the dynamics of faith and toleration in historical and contemporary perspective within the Christian tradition. The course addresses topics such as the following: violence within Christianity, settler and Indigenous relations, race relations, gender identity and the church, domestic violence, and interreligious relations. An over-arching aim in the course is to interrogate the notion of "toleration" and to develop theoretical resources that support the work of reconciliation and peace. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

PCTS/PHIL-3800 Whose Violence? Which Peace? [APV]

(3.0 credit hours) The art of naming peace and violence well requires an appreciation of the different and related varieties of peace and violence. It also requires an understanding of how peace and violence are bound up with a variety of complex related practices and realities that might not appear on the surface to be relevant matters. For example, what do speed, technology, media, and virtual reality have to do with questions of violence and peace? What difference does it make if we think about peace and violence in terms of the categories of nation-state, civil society, or church? *Prerequisite: Either PCTS-1110 or 6 credit-hours of Philosophy and 30 credit hours of university-level study.*

PCTS-3850 Just War Traditions (3.0 credit hours) This

course seeks to explore how justice is related to questions of peace and violence through an examination of the history and logic of the just war tradition. Characteristic themes of the just war tradition will be studied, such as the distinction between killing and murder, the presumption against violence, non-combatant immunity, the possibility of honourable defeat, and war as last resort. Special attention will be given to understanding the changing character of the just war tradition in its transition through medieval Christian to modern secular contexts *Prerequisite: PCTS-1110 and 30 credit hours of university-level study.*

PCTS-3950 Topics in Peace and Conflict

Transformation Studies (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: PCTS-1110 and 30 credit hours of university-level study.*

PCTS-4000 Thesis in Peace and Conflict Transformation Studies (6.0 credit hours) *This course is restricted to students completing the Bachelor of Arts, four-year major. For information on eligibility, due dates, procedures, and requirements, students should request a document from the Registrar's Office. Approval of the application will be contingent on the availability of faculty members to serve as thesis advisor and second reader.*

PSYC/PCTS-4010 Senior Seminar Identity and Intersectionality [APV] (3.0 credit hours) This course critically examines the complex and diverse ways intersectionality is used as an interpretive framework across disciplines to examine identity. We will explore how intersectionality can be understood as a paradigm, theory, concept, practice, and methodology to study identity. This course will consider how gender, sex, culture, faith and religion, class, ability, and political realities are factors in identity, and we will examine how identity and intersectionality connect to histories of violence and oppression, as well as to human survival, persistence, and resistance. *Prerequisite: 60 credit hours of university-level studies, including 12 credit hours in Psychology or Peace and Conflict Transformation Studies.*

IDS/PCTS/POLS/SOCI-4100 Senior Seminar in Social Change (3.0 credit hours) In this capstone seminar, students review and compare inter-disciplinary and discipline-based approaches to social change, including issues in peacebuilding and conflict transformation, social and economic development, environmental sustainability, and democratization and social movements. Using a seminar format, students will examine contending theories of social change, and address questions of power, interpretation, ethics, commitments, and virtues in understanding and working for social change. These examinations will allow students to explore ways of integrating theories and practices and articulate their own understanding and ethics of social change. *Prerequisite: 60 credit hours of university level studies, including 18 credit hours in IDS, PCTS, SOCI, POLS, GEOG or PSYC; or permission of the instructor. It is recommended that the practicum requirement be completed prior to taking this course.*

PCTS-4240 Workplace Conflict Resolution Systems Design (3.0 credit hours) The course is designed to develop an understanding of the nature and causes of conflict in the workplace and the implementation of conflict resolution systems within the organization. Areas of study include systems design related to the organizational culture, context, and structure. It examines past and current conflict resolution systems, structures that are necessary to support conflict management systems, and emerging trends in workplace dispute systems design. The course then studies organizational advantages and disadvantages of investing in dispute systems design. *Prerequisite: PCTS-3240 or permission of the instructor.*

IDS/PCTS-4920 Program Planning in Development and Conflict Resolution (3.0 credit hours) Program planning is a critical first step in most interventions by development and conflict resolution organizations. This course covers blueprint planning required for preparation of funding proposals and various forms of strategic and participatory planning required for the application of results-based management and learning approaches during program implementation. Current debates regarding approaches to planning are also reviewed. Students acquire skills necessary for conceptualizing and implementing international or domestic projects undertaken by non-governmental organizations: needs assessment, goal and purpose identification, formulation of logframe, work plan and budget, and preparation of a funding proposal. *Prerequisite: 30 credit hours of university-level studies, including IDS-1110 or PCTS-1110.*

PCTS-4940 Independent Study in PCTS (3.0 credit hours) A study in a specific area of IDS under the direction of a faculty member *Prerequisite: PCTS-1110 and a minimum of 60 credit hours of university-level studies.*

PCTS-4950 Topics in Peace and Conflict Transformation Studies (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: PCTS-1110 and 30 credit hours of university-level study.*

Philosophy

Philosophy, in its traditional sense, is understood as the love of wisdom. In its modern form, philosophy is a search for general theoretical explanations in an attempt to answer certain basic questions: what is real? (metaphysics); what can I know? (epistemology); what should I do? (ethics). Philosophy at CMU, while it explores aspects related to each of these questions, also involves the ongoing task of rethinking the very idea of philosophy itself. In particular, it investigates the philosopher's desire for general explanations, and seeks instead to explore philosophies as ways of life. Of special interest is how all of this relates to that peculiar way of life called church. Such an enquiry will approach philosophy historically and contextually rather than as a series of answers to abstract theoretical questions which suggests that philosophy is best understood in its more traditional sense as the love of wisdom. Studies in Philosophy will equip students with skills essential for many pursuits, including careers in university-level studies, law, government, policymaking, and administration.

Students may choose courses in Philosophy to fulfill requirements for humanities or general electives in any degree program. Students who wish to concentrate in this subject field may choose a major or a minor, either in

the four-year or the three-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

PHIL-1000 The Task of Philosophy I: The Question of Reality (3.0 credit hours) In the ancient and medieval world, the task of philosophy was concerned with the formation and transformation of the self in the hope that it might be consistent with a certain vision of the world—the world of reality rather than the illusory world of mere appearance. This course explores some of the different ways ancient and medieval philosophers understood the self and the visions of the real world in which it strives to participate.

PHIL-1010 The Task of Philosophy II: The Question of Knowledge (3.0 credit hours) Modern philosophy is often described as being preoccupied with the question of knowledge. More specifically, it defines knowledge in terms of a relationship between knowing subjects and an external, objective world. This course examines the story of modern philosophy's apparent turn to knowledge and explores some ways in which contemporary philosophers have raised questions about that project.

PHIL-2020 Postmodern Philosophy (3.0 credit hours) An examination of several key themes of postmodern philosophy, including the interrelationship between power and knowledge, otherness, difference, madness, punishment, multiplicity, deconstruction, and gift. Special attention will be given to the work of Michel Foucault, Jacques Derrida, and Gilles Deleuze.

PHIL-2030 Aquinas and Wittgenstein: Language, Reality, and God (3.0 credit hours) An examination of the philosophy of Thomas Aquinas and Ludwig Wittgenstein, focusing on questions concerning the meaning of language, the nature of reality, and the possibility of human talk about God. Special attention will be given to an exploration of the implications of our understanding of language for how and what we think about reality, knowledge, the self, ethics, and God.

PHIL-2050 An Introduction to Metaphysics: What is Nature? (3.0 credit hours) The purpose of this course is to introduce students to several different visions of what nature is and what human flourishing involves. In the course of understanding and evaluating these visions, students will become acquainted with central topics in metaphysics such as the problem of free will, the relationship between the mental and the physical, whether values such as goodness and beauty exist, and the nature and existence of God.

PHIL-2060 Hegel and Kierkegaard: Subjectivity, System, and Paradox (3.0 credit hours) For Hegel, philosophy is defined by its systematic character, its movement towards a resolution. Kierkegaard, by contrast,

was resolutely anti-systematic, emphasizing paradox and the necessity of proceeding in the absence of reasoned justifications. Focusing on Hegel and Kierkegaard, this course examines some basic options in 19th Century philosophy. Topics to be considered include the Absolute, Spirit, transcendence, subjectivity, love, paradox, sacrifice, choice, and the possibility of repetition.

PHIL-2070 Business Ethics (3.0 credit hours) Ancient wisdom tells us that, without justice, kingdoms are but great bands of robbers. Business professionals must not only discover the vision of justice that underlies their business practices, but they also must submit this vision to critical scrutiny. The purpose of this course is to pursue both these aims. We will search for the moral ideals embedded in modern capitalist business practices and we will submit these moral ideals to critical evaluation. The goal is to discover the moral frameworks that can motivate and inform good business today.

PHIL-2080 The Ethics of Love (3.0 credit hours) The purpose of this course is to examine the suitability of love as the focus of ethical inquiry and action. In doing so we will: 1) ask whether love can be obligated; 2) examine the manner in which love attends; 3) consider the suitability of the distinction between religious and philosophical ethics. We will pursue these questions through reading a variety of authors including Plato, Augustine, and Kierkegaard.

PHIL-2090 Philosophical Investigations on Death and Dying (3.0 credit hours) This course brings together two approaches to the study of death and dying. First, it draws on ancient and modern philosophical analyses of whether a good life is possible and what it involves. Second, it draws on more focused analyses of the social, political, and medical issues that surround death and dying today. By this combination of sources, this course seeks to understand and raise critical questions about death and dying in modern society.

PHIL-2100 The Self and Its Sources (3.0 credit hours) This course explores the idea that our identity is produced both in relation to other persons and in relation to the larger political and historical contexts that surround us. The course will focus on two questions in particular. First, is God among the persons that produce our identity, and if so, how does God impinge upon and produce our identity? Second, if our identity is a product of political, social, and historical factors, what are the consequences for thinking about personal responsibility?

POLS/SOCI/PHIL-2600 Social and Political Philosophy (3.0 credit hours) What is human nature? Should society be organized to reflect this? What is justice? Are states coercive by nature? How does property inform politics? What is ethical citizenship? These questions are explored through a survey of Western political thinkers including Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, de

Gouges, Burke, Wollstonecraft, Mill, and Marx, and by examining their contemporary legacy.

PHIL/BTS-2700 Disability and Difference: Philosophical and Theological Perspectives (3.0 credit hours) The study of physical and mental disability offers the opportunity to discover both the problems and the potential of central philosophical and theological concerns: free will, reason, morality, solidarity, suffering, sin, and salvation, among others. Our goal in this class is to begin to see the indispensability of disability for our own self-understanding. Readings from ancient, modern, and contemporary authors will be included, from a variety of philosophical and theological perspectives, including the perspectives of persons with disabilities.

PHIL-2950 Topics in Philosophy (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors.

MATH/PHIL-3000 Philosophy of Mathematics (3.0 credit hours) The philosophy of mathematics includes matters of metaphysics, semantics, and epistemology. This course will provide an overview of the philosophy of mathematics, including (1) the views of some historical philosophers of mathematics, from Plato and Aristotle to Immanuel Kant and John Stuart Mill, (2) the three major positions of the twentieth century, namely, logicism, intuitionism, and formalism, and (3) some contemporary accounts of mathematics, such as ontological realism, anti-realism, and structuralism. *Prerequisite: 30 credit hours of university-level studies, including MATH-1040 with a minimum grade of "C."*

PHIL/ENGL-3010 Existentialism (3.0 credit hours) This course will examine select writings of authors who are described as "existentialist." Possible authors to be studied include: Kierkegaard, Dostoevsky, Nietzsche, Weil, Camus, and de Beauvoir. Broadly speaking, an author can be classified as "existentialist" if their primary concern is to discern the truth of the human person beyond the concepts and categories supplied by the natural, social, psychological, and moral sciences. We will evaluate the authors' critiques of these various frameworks as well as the forms of individual and social life they advocate in place of them. *Prerequisite: 30 credit hours of university-level study.*

MATH/PHIL-3060 Introductory Logic (3.0 credit hours) An introduction to the semantics of philosophical logic, which is the mathematics of propositions. The course covers classical logical theory, the foundation for mathematical proof, and also some rival logics. These include incomplete logic, in which some statements are neither true nor false; inconsistent logic, in which some statements are both true and false; and free logic, in which statements can be made about objects that do not exist. *Corequisite: MATH-1040 or MATH-2000.*

SOCI/PHIL-3100 Ethical Living in a Technological Society (3.0 credit hours) This course will examine the implications of living in a technological society for our understandings of self, society, and Christian faith. The course will explore the historical roots of modern technology and the closely related domains of science and economics as well as a range of related philosophical, historical, psychological, and sociological critiques. Emphasis will be placed on identifying creative options for living "faithfully" within a technological society. *Prerequisite: 30 credit hours of university-level study, including SOCI-1110, or permission of the instructor.*

PHIL/BTS/ENGL-3120 Dante: *The Divine Comedy* (3.0 credit hours) When, at the mid-point of his life, Dante found himself in the midst of a crisis, he turned to the dead to help him find his way. Equal parts literature, poetry, history, politics, philosophy, and theology, this course will follow Dante's epic journey through hell, purgatory, and heaven as recorded in *The Divine Comedy*. *Prerequisite: 6 credit hours of introductory English (1010-1050), including one of ENGL-1010, 1020, or 1050, or 6 credit hours of 1000- or 2000-level Philosophy or permission of the instructor.*

PHIL-3130 Being in the World: Heidegger and Merleau-Ponty (3.0 credit hours) Martin Heidegger and Maurice Merleau-Ponty both seek to liberate philosophy from a certain approach to the question of being. Despite significant differences, they both seek to rescue being from the dualism of subject and object, preferring to speak instead about "being-in-the-world." From Heidegger's rethinking of being in relation to time to Merleau-Ponty's accounts of the body, depth, and intercorporeality, we will explore their debates about being, self, knowledge, experience, care, and death, among other important questions. *Prerequisite: 30 credit hours of university-level study, including 6 credit hours of Philosophy at the 1000- or 2000- level.*

PHIL/BTS/SOCI-3700 The City and the Soul: Encountering Winnipeg Through *The Wire* (3.0 credit hours) This course takes up the longstanding analogy of the city and the soul and explores it in the context of the contemporary city. Through an extended reading of *The Wire*—a critically acclaimed TV drama about the city—it invites students to reflect on what it might mean to pursue the good life in Winnipeg. *Prerequisite: 30 credit hours of university-level study, including 6 credit hours of Philosophy.*

PECTS/PHIL-3800 Whose Violence? Which Peace? (3.0 credit hours) The art of naming peace and violence well requires an appreciation of the different and related varieties of peace and violence. It also requires an understanding of how peace and violence are bound up with a variety of complex related practices and realities that might not appear on the surface to be relevant matters. For example, what do speed, technology, media,

and virtual reality have to do with questions of violence and peace? What difference does it make if we think about peace and violence in terms of the categories of nation-state, civil society, or church? *Prerequisite: 30 credit hours of university-level study, including either PCTS-1110 or 6 credit hours of Philosophy.*

PHIL-3950 Topics in Philosophy (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level study, including 6 credit hours of Philosophy at the 1000- or 2000-level.*

PHIL-4940 Independent Study in Philosophy (3.0 credit hours) A study in a specific area of Philosophy under the direction of a faculty member. *Prerequisite: fifteen credit hours of Philosophy and a minimum of 60 credit hours of university-level studies.*

PHIL-4950 Topics in Philosophy (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 60 credit hours of university-level study, including six credit hours of Philosophy at the 1000- or 2000-level.*

Physical Education

PHED-1000 Foundations of Physical Education and Exercise Science (3.0 credit hours) Introduction to physical education and exercise science as a profession and a discipline, including an overview of the sub disciplines, resources, and careers; a personal physical assessment; and principles for achieving physical fitness. The study of physical education will take into account the health of the whole person.

PHED-2000 Growth and Motor Development (3.0 credit hours) A study of physical growth and motor development from conception to adolescence, with implications for physical activity programs.

PHED-2100 Coaching Theory and Practice (3.0 credit hours) An introduction to the theoretical and practical aspects of coaching in the community and at the school level. It will include examination of topics of philosophical, psychological, ethical, and technical significance for coaching. The course will prepare students for certification in the National Coaching Certification Program at the Competition Introduction level.

Physics

PHYS-1010 Physics I: Mechanics of Movement (3.0 credit hours) This calculus-based course is an introduction to Classical Mechanics: the study of how objects move and why they move the way they do. This comprehensive course will treat vectors, and linear and rotational motion along with the relevant conservation laws. Applications to a wide range of phenomena will be explored, including biological phenomena. Includes a laboratory requirement (PHYS-1010L). *A laboratory fee will be assessed. Prerequisite: Physics 40S. Strongly recommended: MATH-1020.*

PHYS-1020 Physics II: Oscillations and Waves (3.0 credit hours) Oscillations and waves are at the heart of our universe. This calculus-based course will explore these phenomena and how they underlie the behaviour of light and sound and the hidden world of quantum mechanics, with special emphasis on their applications to the life sciences. Specific topics include superposition and interference of waves, wave and ray optics, wave-particle duality, and quantum-mechanical wave functions. Includes a laboratory requirement (PHYS-1020L). *A laboratory fee will be assessed. Prerequisite: PHYS-1010. Strongly recommended: MATH-1030.*

PHYS/MATH-2010 Electromagnetic Field Theory (3.0 credit hours) An introduction to the theory of electromagnetism. Topics to be covered include the electric field, electric potential, Gauss' law, capacitors, dielectric materials, magnetic fields, Ampere's law, magnetic induction, magnetic materials, displacement current, and Maxwell's equations. *Prerequisite: A grade of "C" or better in both PHYS-1010 and MATH-1030.*

PHYS/MATH 2100: Quantum Physics I (3.0 credit hours) This course introduces the basic features of quantum mechanics, which is the foundation of modern technologies such as lasers, transistors, and solar cells. It begins with the problem of cavity radiation and normal modes, introduces Planck's quantization postulate, and leads to the Schrodinger theory of quantum mechanics, with emphasis placed on the solutions to the Schrodinger wave equation in one dimension. *Pre-requisites: MATH-1030 and PHYS-1020 with minimum grades of "C".*

Political Studies

Political Studies at CMU addresses power and inequalities among people, communities, and states. Students examine obstacles to fostering God's Kingdom on earth. They explore how the state, other institutions, roles and relationships, technologies, bodies of knowledge, and practices of culture and citizenship facilitate or compromise the goals of justice, peace, and human dignity. A close study of the classic texts, concepts,

methodologies, and assumptions of Political Studies provides a basis for further inquiry. With this foundation, critical insights and alternative approaches from within and beyond the discipline can be fruitfully assessed. Political Studies prepares students for careers, leadership, advocacy, and management in such fields as research, social work, law, business, public administration, international development, foreign affairs, community organizing, and journalism.

Students may choose courses in Political Studies to fulfill requirements for social sciences or general electives in any degree program. Students who wish to concentrate in this subject field may choose a major or a minor, either in the four-year or the three-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

The major in Political Studies requires course work in specific subfields. The subfield categories, with their abbreviations, are as follows:

WP: World Politics

CPS: Comparative Politics of the South

CPN: Comparative Politics of the North

GIP: Gender and Identity Politics

PTM: Political Theory and Methodology

These category abbreviations appear in brackets next the Course ID and Course Title in the list below.

POLS-1000 Democracy and Dissent (3.0 credit hours)

An introductory study of democratic politics and institutions, political ideas, electoral systems, and political culture. The lens of dissent is used to trace the emergence of democracy and its liberal development. Issues to be explored include: the roles of opposition, questions of accountability, the meaning and practice of justice, the evolving implications of citizenship, the crisis of the state under globalization, and the contemporary idea of democracy without dissent.

POLS-1010 Global Politics (3.0 credit hours) An introduction to the fields of International Relations and Comparative Politics with particular emphasis on current global issues. Topics include globalization, American domination, terrorism and security, the changing nature of states, international law and justice, the politics of the environmental crisis, political development, human migration, and the dilemmas of democratization. Active participation in debates, simulation games, and media studies contribute to critical skills that provide insight behind the “political veil.”

SOCI/POLS-2000 Social Welfare [CPN] (3.0 credit hours) Explores how economic, political, and ethical theories on society and human nature are manifested in societal responses to human need in providing social services. Includes a survey of the history of social welfare in Canada and a review of the major social welfare institutions.

BUSI/POLS-2040 Business and Labour Law [CPN] (3.0 credit hours) This course introduces the legal environment under which Canadian businesses and organizations operate. As a background the Canadian constitution, courts and legislative system will be discussed. The second part discusses the legal aspects of the most common forms of businesses and organizations in Canada: sole proprietorships, partnerships, cooperatives and corporations. Further discussion will include tort and contract law and labour law in Canada. *Prerequisite: BUSI-1000 or IDS-1110 or POLS-1000 or 1010.*

PCTS/IDS/POLS-2040 Global Issues [WP] (3.0 credit hours) Many countries around the globe face a similar set of issues as they relate to indigenous peoples, economic development, religious change, justice and peace, migration, and the environment. These issues take a specific form in Guatemala, a country that has been shaped by a 36-year-long war. This course will examine the following issues through the lens of the Guatemalan context: environment, Mayan culture and spirituality, war and peace, and migration. *This course is available only through CMU's study abroad programs, Guatemala sites only. Prerequisite: 24 credit hours of university-level study, including 3 credit hours of introductory social sciences.*

HIST/POLS-2100 History of the United States from 1607 [CPN] (3.0 credit hours) A study of the development of the United States of America from its colonial origins to its emergence, four centuries later, as a global superpower. Attention will be given to political, economic, social, and intellectual developments from Jamestown to 9/11.

HIST/POLS-2110 The Fifties and Sixties: North America Cold, Cool and Radical [CPN] (3.0 credit hours) An examination of the post-World War II decades of North America in its political, economic, social, and intellectual contexts. Individuals that may be studied include Elvis Presley, Lester Pearson, Ronald Reagan, Tommy Douglas, Martin Luther King Jr., Betty Friedan, Marshall McLuhan, Rachel Carson, Charles Manson, and Pierre Trudeau. Topics may include social revolutions (Quiet Revolution, Civil Rights), politics (Cold War, Great Society, Medicare), body and technology (‘The Pill’, vaccines, organ transplants), youth protest (Beat, Berkeley), and consumer culture.

POLS-2120 Peace and Conflict in World Politics [WP] (3.0 credit hours) A study of large-scale violence, including conventional warfare and “low intensity” warfare (e.g., liberation movements, counter-insurgencies, and terrorism). Consideration is given to the political economy of such violence, including the arms industry and resource wars. What is the role of politics in perpetuating militarism, violence, and in enabling peace? How are conflicts politically mediated through diplomacy, international law, NGO’s, international organizations, etc.? We consider the relation of violence

to underdevelopment, environmental degradation, and human rights violations.

POLS-2200 Human Rights and Dignity [WP] [CPS] (3.0 credit hours) Human rights claim to protect the interests and dignity of people. How do governments, the United Nations, non-governmental organizations, religious groups, corporations, and activists help or impede this process? What is the political and moral place of individuals, communities, law, and justice in the current global reality? Changing and cross-cultural understandings of rights are considered.

POLS-2300 Canadian Political Issues [CPN] (3.0 credit hours) This thematic course builds upon concepts and knowledge of the Canadian political system acquired in "Introduction to Political Studies." Examples of themes include: Indigenous people, law, and politics; conscientious objection in Canada; the politics of immigration; community politics; gender and politics; the Church and state in Canada; media and politics; and regional/ cultural politics. *Prerequisite: POLS-1000.*

POLS-2400 Comparative Politics of Development: Africa [CPS] (3.0 credit hours) With Africa as our lens, the course invites a comparative study of how development is informed by the practices and institutions of governance, and by asymmetries of power and resources. The focus is on change in African regimes and their historical response to poverty, civil society's role in social ordering, and on cultures of governance and public policy in a globalizing context. Themes include: democratization and social movements; civil and regional conflicts; international aid and intervention; refugees; colonialism and post-colonialism; race, ethnicity, religion, class and gender; health and HIV/AIDS; and environmental crises and politics.

ECON/IDS/POLS-2420 Economics of Social Change [WP] (3.0 credit hours) Processes of social change (related to poverty reduction, peace-building, environmental sustainability, economic development) can be supported or inhibited by economic forces. This course will examine and apply (in a non-technical manner) key economic principles that impact efforts to create social change. It also examines the assumptions of economic approaches, and the role of economics in the social sciences. *Prerequisite: 30 credit hours of university-level studies or permission of the instructor.*

BUSI/POLS-2500 Social Entrepreneurship [PTM] (3.0 credit hours) In this course, we refer to a range of business classifications that blend social, ecological, and financial value between the public and private sectors. The course identifies unique opportunities for the sector, explore organizational and management issues specific to social enterprises, review the history of social enterprise structures, and critically review their impacts. We will also consider the value of the "entrepreneurial"

approach, including attitudes towards risk tolerance, experimentation, and problem-solving. *Prerequisite: 30 credit hours of university-level studies.*

POLS/SOCI/PHIL-2600 Social and Political Philosophy [PTM] (3.0 credit hours) What is human nature? Should society be organized to reflect this? What is justice? Are states coercive by nature? How does property inform politics? What is ethical citizenship? These questions are explored through a survey of Western political thinkers including Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, de Gouges, Burke, Wollstonecraft, Mill, and Marx, and by examining their contemporary legacy.

POLS-2950 Topics in Political Studies (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors.

POLS/COMM/SOCI-3000 Politics, Society, and Mass Media [CPN] (3.0 credit hours) This course examines the relationship between the mass communications media and the political and social processes in which they operate, investigating the state of research on mass media, the role of media in creating and shaping political awareness, and in influencing human behaviour and values. Examples of topics which may be covered are: media ownership and organization patterns, media in the electoral process, the media in developing nations, the media and globalization, propaganda, media freedom, and public opinion. *Prerequisite: 30 credit hours of university-level studies, including six credit hours in social science.*

BTS/POLS-3260 Plato's Republic and Paul's Romans in Dialogue [PTM] (3.0 credit hours) *Plato's Republic* and *Paul's Romans* are both discourses on the concept of "justice," encompassing the body politic, the just individual within it, and the entire cosmos. Following an overview of Platonism and Paulinism within their respective Greek and Judeo-Christian traditions, this course will consist of a close reading consecutively of the *Republic* and *Romans* and will conclude with a comparison and dialogue between these two classics and the traditions they represent. *Prerequisite: 30 credit hours of university-level studies, including 6 credit hours in Biblical and Theological Studies.*

POLS-3500 Gender and Politics [GIP] (3.0 credit hours) Examines the public exclusion of women and their emergence as political actors. By looking at the roles of women and men, we will consider how the construction of gender informs citizenship. What do feminist critiques reveal about the theory and practice of politics? What roles do market, culture, race, and class play? Ethical questions raised by identity politics are emphasized. We will consider how communities and institutions might become more just and more inclusive. *Prerequisite: 30*

credit hours of university-level study, including 6 credit hours at the 1000-or 2000-level in political studies.

POLS-3600 Topics in Political Theory [PTM] (3.0 credit hours) An engagement with classical and contemporary texts on a single theme. Examples of such themes include: justice; minority rights; human nature; political responsibility; alternatives to force; feminist political theory; citizenship and non-citizenship; postmodern political thought; political utopias; race theories and political identities; liberalism and its critics; Canadian political thought; science and politics. *Prerequisite: 30 credit hours of university-level study, including 6 credit hours at the 1000-or 2000-level in political studies or philosophy.*

POLS-3950 Topics in Political Studies (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level study, including 6 credit hours at the 1000-or 2000-level in political studies.*

BUSI/POLS-4050 Business in the European Union [CPN] (3.0 credit hours) This course explores the business and political environment in Europe and the impact of European integration in a regional and global context. Topics include: history and development of the EU, political institutions, economic integration and the single European market, monetary union and the Euro currency, trade and foreign policy, Canada-EU relations, political and cultural contexts in Europe, enlargement and expansion to Eastern Europe. *Prerequisite: BUSI-3500 International Business or 60 credit hours of university-level studies.*

IDS/PCTS/POLS/SOCI-4100 Senior Seminar in Social Change [PTM] (3.0 credit hours) In this capstone seminar, students review and compare inter-disciplinary and discipline-based approaches to social change, including issues in peacebuilding and conflict transformation, social and economic development, environmental sustainability, and democratization and social movements. Using a seminar format, students will examine contending theories of social change, and address questions of power, interpretation, ethics, commitments, and virtues in understanding and working for social change. These examinations will allow students to explore ways of integrating theories and practices and to articulate their own understanding and ethics of social change. *Prerequisite: 60 credit hours of university level studies, including 18 credit hours in IDS, PCTS, SOCI, POLS, GEOG or PSYC; or permission of the instructor. It is recommended that the practicum requirement be completed prior to taking this course.*

POLS-4940 Independent Study in Political Studies (3.0 credit hours) A study in a specific area of Political Studies under the direction of a faculty member. This course may

be designed to qualify as an area course. *Prerequisite: POLS-1000, POLS-1010, an additional nine credit hours in Political Studies, and a minimum of 60 credit hours of university-level studies.*

POLS-4950 Topics in Political Studies (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level study, including 6 credit hours at the 1000-or 2000-level in political studies.*

Practicum

A practicum is a supervised, structured, experience-based learning opportunity that involves the student in action, reflection, and response. CMU offers two types of practicum courses. Courses of the first type (PRAC-3000, 3005) are scheduled alongside other courses during the academic year. These courses require students to gain experience in individual placements (a minimum of sixty hours per three credit hours) and to meet regularly in a practicum class at CMU. The second type, namely, the intensive practicum courses, requires students to spend a block of concentrated time in a placement over a minimum of twelve weeks (for a six credit-hour course). Most intensive practicum courses are developed with specific CMU programs in mind, but they are not restricted to students taking those programs. Financial assistance is available for some intensive practica. Appropriate practicum placements are arranged with the Practicum Office in accordance with the student's individual interests and academic goals. Students should consult the Director of Practica for further information and for assistance in arranging placements.

PRAC-1000 Cross-Cultural Service Learning (3.0 credit hours) A supervised, structured, experience-based cross-cultural learning opportunity that involves the student in the experiential learning cycle of preparation, experience, evaluation, and reflection. *Evaluation in this course will be pass/fail. This course is available only through CMU's Outtatown Program.*

PRAC-1010 Cross-Cultural Service Learning (6.0 credit hours) A supervised, structured, experience-based cross-cultural learning opportunity that involves the student in the experiential learning cycle of preparation, experience, evaluation, and reflection. *Evaluation in this course will be pass/fail. This course is available only through CMU's Outtatown Program.*

PRAC-2190W Vocation, Meaning, and Work (3.0 credit hours) This course introduces vocation as an idea within a literature exploring the meaning of "work" and "career" in Christian contexts, and as a domain of reflective practice that can inform our life's choices and their meanings. Students will read and reflect on "vocation" as an idea

within a growing literature. Then, students will begin a portfolio that draws together documents related to their academic and personal lives, and that points towards meaningful next steps in pursuing vocation in these areas.

PRAC-3000 Practicum (3.0 credit hours) This course draws on the strengths that experience-based education offers, with students spending a substantial amount of time (a minimum of sixty hours) in a supervised off-campus placement assigned according to the student's individual interests and academic goals. Reflection on the experience, both individually and in class with other students currently in practica, will form an important component of the course. This course is scheduled alongside other courses during the academic year. *Prerequisite: 45 credit hours of university-level studies.*

PRAC-3005 Practicum (6.0 credit hours) This course draws on the strengths that experience-based education offers, with students spending a substantial amount of time (a minimum of one hundred twenty hours) in a supervised off-campus placement assigned according to the student's individual interests and academic goals. Reflection on the experience, both individually and in class with other students currently in practica, will form an important component of the course. This course is scheduled alongside other courses during the academic year. *Prerequisite: 45 credit hours of university-level studies.*

PRAC-3100 Intensive Practicum (3.0 credit hours) This course requires students to spend a block of concentrated time in a placement over a minimum of six weeks. This course is normally completed during one semester and is considered the main course of study that semester. *Prerequisite: 45 credit hours of university-level studies.*

PRAC-3110 Intensive Practicum (6.0 credit hours) This course requires students to spend a block of concentrated time in a placement over a minimum of twelve weeks. This course is normally completed during one semester and is considered the main course of study that semester. *Prerequisite: 45 credit hours of university-level studies.*

PRAC-3120 Intensive Practicum (9.0 credit hours) This course requires students to spend a block of concentrated time in a placement over a minimum of six months. This course may last as long as a year and is considered the main course of study that year. *Prerequisite: 45 credit hours of university-level studies.*

PRAC-3130 Practicum in International Development or Conflict Resolution Studies (3.0 credit hours) This is an integrated work experience in a local, national, or international setting. Students work in a relevant organization in a supervised field experience (minimum of sixty hours) and complete academic coursework

throughout the semester. Students reflect on, utilize, and expand their knowledge of International Development or Conflict Resolution while also practicing workplace and professional writing, and integrating theories with practice. *Prerequisite: Declared major in International Development Studies or Conflict Resolution Studies through MSC and permission from the MSC Student advisor.*

PRAC-3140 Practicum in International Development or Conflict Resolution Studies (6.0 credit hours) This is an integrated work experience in a local, national, or international setting. Students work in a relevant organization in a supervised field experience (minimum of one hundred twenty hours) and complete academic coursework throughout the semester. Students reflect on, utilize, and expand their knowledge of International Development or Conflict Resolution while also practicing workplace and professional writing, and integrating theories with practice. *Prerequisite: Declared major in International Development Studies or Conflict Resolution Studies through MSC and permission from the MSC Student advisor.*

PRAC-3950 Social Innovation Lab (3.0 credit hours) This is a course in which a transdisciplinary cohort of students will design, propose, and implement solutions to particular problems posed by a business or community organization. Students will work in small teams, select the topic, draft a course of action, and work with faculty member(s) to define appropriate methods and outcomes. The course is applied and competency-based, embracing a "problem-based learning" approach where students will share knowledge, peer support, and feedback on an ongoing basis. *Prerequisite: 30 credit hours of university-level studies.*

PRAC-3960 Social Innovation Lab (6.0 credit hours) This is a course in which a transdisciplinary cohort of students will design, propose, and implement solutions to particular problems posed by a business or community organization. Students will work in small teams, select the topic, draft a course of action, and work with faculty member(s) to define appropriate methods and outcomes. The course is applied and competency-based, embracing a "problem-based learning" approach where students will share knowledge, peer support, and feedback on an ongoing basis. *Prerequisite: 30 credit hours of university-level studies.*

Psychology

Students of Psychology are invited to explore many facets of human experience, from development, learning, and memory to social interactions and the physiological underpinnings of these phenomena. Study in Psychology offers a more thorough understanding of oneself and others. At CMU, the Psychology program offers the explicit opportunity to consider critically various points of

contact between psychology and faith. Skills useful in counselling, teaching, business, ministry, or higher-level study will be fostered.

Students may choose courses in Psychology to fulfill requirements for social sciences or general electives in any degree program. Students who wish to concentrate in this subject field may choose a major or a minor, either in the four-year or the three-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

The major in Psychology requires course work in specific subfields. The subfield categories, with their abbreviations, are as follows:

BC: Brain and Cognition

SP: Social Processes

DEV: Developmental

HP: Health Psychology

These category abbreviations appear in brackets next the Course ID and Course Title in the list below.

PSYC-1010 Introduction to Psychology I: Foundations (3.0 credit hours) Survey of the psychological study of behaviour, and of the essential psychological and physiological foundations of human growth, thinking, and behaviour. Topics include research processes, neuropsychology, genetic and environmental influences, sensation and perception, consciousness, learning, and development.

PSYC-1020 Introduction to Psychology II: Individuals and Interactions (3.0 credit hours) Survey (or "examination") of the psychological processes that shape individual human behaviour and thinking, and that influence interaction. Topics include memory, thinking and intelligence, motivation and emotion, personality, stress, disorders and their treatment, and social processes. *Prerequisite: PSYC-1010.*

BUSI/PSYC-2020 Organizational Behaviour (3.0 credit hours) Examination of the impact of human behaviour on the formal and informal organization. Topics include leadership, work groups, organizational conflict, and communications. *Prerequisite: BUSI-1000 or PSYC-1020 or permission of instructor.*

PSYC-2030 Research Design in Psychology (3.0 credit hours) An introduction to basic research designs in the social sciences. Topics include considerations in data collection, descriptive and survey methods, measurement techniques, experimental methods, the interpretation and reporting of results, and research ethics. *Includes a laboratory requirement. A laboratory fee will be assessed. Prerequisite: PSYC-1020 or permission of instructor.*

PSYC-2040 Research Analysis in Psychology (3.0 credit hours) An introduction to basic techniques in data

analysis for the social sciences, and their relation to specific research designs. Topics include descriptive statistics, predictive techniques, hypothesis testing and estimation, and inferential statistics. *Includes a laboratory requirement. A laboratory fee will be assessed. Cross-listed as MATH-1000. Students may not hold credit in both this course and that.*

PSYC/SOCI-2050 Introduction to Qualitative Research in the Social Sciences (3.0 credit hours) This course provides an overview of the elements of qualitative research, including an examination of our beliefs about knowledge, the philosophical and theoretical stances used to inform research, and the strategies and techniques employed in qualitative research. We will examine contemporary methodologies (e.g., thematic analysis, ethnography, grounded theory) and practice research techniques through classroom exercises (e.g., interviewing, conducting focus groups, coding data). *Prerequisite: 18 credit hours.*

PSYC-2100 Social Cognition and Influence [SP] (3.0 credit hours) An examination of how we think about ourselves and about the people around us. Topics include social perception, our social selves, beliefs and judgments, attitudes, conformity, and persuasion. *Prerequisite: PSYC-1020 or permission of the instructor.*

PSYC-2110 Social Relationships and Behaviour [SP] (3.0 credit hours) A study of how relationships are formed, maintained, and disrupted. Topics may include group dynamics, close relationships, prejudice, aggression, attraction, and conflict. *Prerequisite: PSYC-1020 or permission of instructor.*

PSYC-2200 Developmental Psychology: Childhood [DEV] (3.0 credit hours) A study of psychological development from prenatal life until puberty. Topics include personality and social development, perceptual and cognitive development, language, intelligence, and moral development. *Prerequisite: PSYC-1010 or permission of instructor.*

PSYC-2210 Developmental Psychology: Adolescence [DEV] (3.0 credit hours) A study of major psychological development from puberty through emerging adulthood. Topics may include the history of theory and research into adolescence, family structures, parent and peer influences, sex role development, identification, cognitive development, and youth culture. *Prerequisite: PSYC-1010 or permission of the instructor.*

PSYC-2220 Developmental Psychology: Adulthood [DEV] (3.0 credit hours) A study of psychological development and adjustment during adulthood and aging. Topics include normal aging processes, family relationships, work and retirement, health concerns, life

satisfaction, and end of life issues. *Prerequisite: PSYC-1010 or permission of instructor.*

PSYC-2300 Cognitive Processes [BC] (3.0 credit hours) A study of the unique cognitive processes that determine our understanding of the external world (and its people). We will examine the processes of perception and attention, of learning and memory, of language production and comprehension, and of reasoning and decision making. Attention is given to both effective functioning and to the biases and distortions that influence our thinking. *Prerequisite: PSYC-1020 or permission of instructor.*

PSYC-2400 Counselling Theories [HP] (3.0 credit hours) An overview of current counselling theories, such as Psychoanalytic, Existential, Person-Centered, Gestalt, Reality, Behaviour, and Cognitive therapies. Attention will be given to their respective therapeutic processes and to a critical evaluation of each theory. *Prerequisite: PSYC-1020 or permission of instructor.*

PSYC-2410 Counselling Techniques [HP] (3.0 credit hours) Explores the formation of helping relationships, using the Human Relations Model of Helping, with a focus on self-understanding as a basis for effective communication and understanding of human interactions. Topics will also include helping skills, helper characteristics, communication skills, barriers to communication, relationship establishment, ethics, and values clarification. *Prerequisite: PSYC- 2400.*

PSYC/SOCI-2700 Interpersonal Communication [SP] (3.0 credit hours) An examination of the multilevel communication processes that underlie and support social interaction and relationship formation and change. Special attention will be given to the differences and connections between verbal and nonverbal communication and to the rules and rituals of social interaction in everyday life. *Prerequisite: PSYC-1020 or SOCI-1110 or PCTS-1110.*

PSYC-2800 History of Psychology (3.0 credit hours) This course explores the intellectual and social contexts within which the diverse theories and models of the discipline have arisen. Major themes and trends will be analyzed, together with influential theorists and landmark studies. Most importantly, the assumptions underlying psychological explanations for human behaviour will be examined. *Prerequisite: PSYC-1020 or permission of instructor.*

PSYC-2810 Psychology of Gender [SP] (3.0 credit hours) This course provides an overview of the psychological study of gender and will provide a critical examination of assumptions about women and men, including the influences of gender stereotypes on psychological theory and research. Areas of interest include similarities and

differences in cognition and emotion, societal understandings of femininity and masculinity, the nature and development of gender roles, gendered political and economic forces, and women's and men's movements. *Prerequisite: PSYC-1020 or permission of instructor.*

PSYC-2950 Topics in Psychology (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: Will vary based on topics chosen for this course.*

BUSI/PSYC-3000 Organizational Leadership (3.0 credit hours) Examination of the theory and practice of leadership and decision-making in organizations. Topics include trait, behavioural and situational models of organizational leadership, leadership as power and influence, and processes involved in the decision making of individuals and groups, large and small, formal and informal. Attention will also be given to development of skills in leadership. *Prerequisite: 30 credit hours of university-level courses.*

PSYC-3010 The Neuroscience of Social Behavior [BC] (3.0 credit hours) We explore the neural processes underlying important aspects of our social behavior. In seminar format, we will consider topics central to social psychology, reviewing landmark contributions from social neuroscience, and some of the cutting-edge findings in this burgeoning field of study. Topics include neuroscience perspectives on person perception, the need to belong, mortality salience, social pain, intergroup relations, anger, and aggression, and more. *Prerequisite: 12 credit hours in Psychology.*

PSYC-3020 Psychology of Motivation [SP] (3.0 credit hours) In this course, we survey recent trends in the psychological study of motivation. We consider contemporary social cognitive perspectives and the results of recent motivation research. Issues to be explored in depth include: expectancy-value theory, self-regulation and self-efficacy, attribution theory, intrinsic motivation, the roles of emotion and cognition, and influences of priming. *Prerequisite: 12 credit hours in Psychology.*

PSYC-3220 Adult Development: Aging and Society [DEV] (3.0 credit hours) A comprehensive study of aging in individual and societal contexts. We will look critically at the physical, cognitive, social, and psychological aspects of aging in society today as well as theories related to aging. We will touch on many topics related to aging and, where possible, we will listen to perspectives of older adults and persons who hold special knowledge about older adults. *Prerequisite: 30 credit hours of university-level studies or permission of instructor.*

PSYC-3400 Abnormal Psychology [HP] (3.0 credit hours) An examination of current theory and research regarding abnormal human behaviour, and an attempt to understand psychological disorders within the context of human biology, development, and society. Topics may include stress and anxiety, affective disorders, psychophysiological and personality disorders, mental health, policy, and social issues. Both scientific explanation and phenomenology will be addressed. *Prerequisite: 30 credit hours of university-level studies, including PSYC-1020 or permission of the instructor.*

PSYC-3500 Psychology of Personality [HP] (3.0 credit hours) A survey of traditional and modern approaches to explaining the underlying bases of personality structure and development, together with individual differences. Emphasis is placed on the interrelation of theory, assessment, and research, and on current themes in the study of personality. *Prerequisite: 30 credit hours of university-level studies, including PSYC-1020 or permission of the instructor.*

PSYC-3600 Trauma and Resilience [HP] (3.0 credit hours) In this course, we explore varieties of psychological trauma, along with the history and current theories in the field (e.g., cognitive, neurobiological, clinical, and socio-cultural perspectives). Topics may include: the nature of trauma (via sexual abuse, combat, and natural disasters), how trauma affects individuals and systems, grief reactions, and traumatic stress. We may also consider responses to trauma, resilience, vicarious traumatization, disenfranchised grief, crisis intervention, comorbid disorders, and general treatments. *Prerequisite: 12 credit hours in Psychology.*

PSYC-3800 Psychology and Christianity (3.0 credit hours) Both Christian belief and psychological theory have much to say about human nature, about what/ how we can know, and about how we should think and behave. There are many points of agreement and of conflict. This course represents a re-consideration of various psychological theories and well-known research findings from Christian perspectives. *Prerequisite: 12 credit hours in Psychology.*

PSYC-3950 Topics in Psychology (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: A minimum of 30 credit hours of university-level studies. Specific course Prerequisite will vary based on the topics chosen for this course.*

PSYC/PCTS-4010 Senior Seminar Identity and Intersectionality [SP] (3.0 credit hours) This course critically examines the complex and diverse ways intersectionality is used as an interpretive framework across disciplines to examine identity. We will explore how intersectionality can be understood as a paradigm,

theory, concept, practice, and methodology to study identity. This course will consider how gender, sex, culture, faith and religion, class, ability, and political realities are factors in identity, and we will examine how identity and intersectionality connect to histories of violence and oppression, as well as to human survival, persistence, and resistance. *Prerequisite: 60 credit hours of university-level studies, including 12 credit hours in Psychology or Peace and Conflict Transformation Studies.*

PSYC/SOCI-4030 Qualitative Inquiry in the Social Sciences (3.0 credit hours) Examination of principles and procedures for conducting qualitative research in the social sciences. Topics include: the assumptions that inform qualitative research designs; procedures for gathering meaningful data through interviews, observation, and textual archives; the analysis of such data; and ethical issues pertaining to the research endeavour. *Prerequisite: 60 credit hours of university-level studies, including 12 credit hours in social sciences.*

PSYC-4940 Independent Study in Psychology (3.0 credit hours) A study in a specific area of Psychology under the direction of a faculty member. *Prerequisite: A minimum of 60 credit hours of university-level studies, including 15 credit hours in psychology plus permission of instructor.*

PSYC-4950 Topics in Psychology (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: A minimum of 60 credit hours of university-level studies. Specific course Prerequisite will vary based on the topics chosen for this course.*

Religion

RLGN-1700 Religious Traditions of the World I (3.0 credit hours) A survey of living religious traditions from Indigenous communities in the Americas, and those originating in Asia, including Hinduism, Buddhism, Daoism, and Confucianism, in terms of their development, ideas, and diverse practices and expressions. Includes reflection on the strengths and limitations which these religious traditions offer toward meeting challenging issues within local and global communities.

RLGN-1710 Religious Traditions of the World II (3.0 credit hours) A survey of living religions from African Indigenous communities, and those originating in the ancient Near East, including Judaism, Islam, and Christianity (especially in its non-Western forms) in terms of their development, ideas, and diverse practices and expressions. Includes reflection on the strengths and limitations which these religious traditions offer towards

meeting challenging issues within local and global communities.

Sociology

Sociology is the systematic study of human society. Topics covered include culture, socialization, groups and organizations, social processes, community, social stratification, social change, and major institutions such as religious, economic, educational, or health care institutions, and the family. The sociological perspective will be illustrated by analyzing Canadian society in the context of the global community. At CMU, students are challenged to think about how their faith and beliefs are shaped by society, and about how their faith and beliefs have the potential to shape society. Knowledge of sociology helps students understand themselves, others, and the systems within which they work and live. A major in Sociology will prepare students for careers in areas such as social welfare, criminal justice, government, research, industrial relations, and administration. Students may choose courses in Sociology to fulfill requirements for social sciences or general electives in any degree program. Students who wish to concentrate in this subject field may choose a major or a minor, either in the four year or the three-year Bachelor of Arts. For details regarding the requirements of these programs, see the ACADEMIC PROGRAMS section of this calendar.

SOCI-1110 Introduction to Sociology (3.0 credit hours)

This course provides an introduction to sociology through the study of society, social institutions, group behaviour, and social change as guided by a range of theoretical and conceptual resources. It will place emphasis on using sociological thinking to understand a broad range of contemporary social behaviours.

SOCI/POLS-2000 Social Welfare (3.0 credit hours)

Explores how economic, political, and ethical theories on society and human nature are manifested in societal responses to human need in providing social services. Includes a survey of the history of social welfare in Canada and a review of the major social welfare institutions.

SOCI-2020 Communities and Organizations (3.0 credit hours)

Examines the characteristics and interactions of communities and organizations (e.g., service, advocacy, NGOs, government agencies) in light of sociological theory. Critical attention will be devoted to structural responses to social issues such as childcare, immigration, housing, unemployment, disability, healthcare, aging, and poverty.

SOCI-2030 Inter-Cultural Theory and Practice (3.0 credit hours)

This course introduces the theoretical and methodological issues in inter-cultural study. Attention will be given to cultural translation, cultural encounters

between groups, concomitant cultural appropriations, cross-fertilizations, transnational influence, identity, and resistance.

PSYC/SOCI-2050 Introduction to Qualitative Research in the Social Sciences (3.0 credit hours)

This course provides an overview of the elements of qualitative research, including an examination of our beliefs about knowledge, the philosophical and theoretical stances used to inform research, and the strategies and techniques employed in qualitative research. We will examine contemporary methodologies (e.g., thematic analysis, ethnography, grounded theory) and practice research techniques through classroom exercises (e.g., interviewing, conducting focus groups, coding data). *Prerequisite: 18 credit hours.*

SOCI-2060 Sociology of Gender (3.0 credit hours)

The study of gender from a sociological perspective develops an appreciation for how social structure, institutions, and culture shape gender roles and the lives of those who play these roles; and for how, at the same time, gender roles shape culture, institutions, and social structure. This course will also attend to the 'inherent or constructed' debate about gender roles, the role of the media in shaping gender, and the intertwining of gender and family, politics, work, and religion. *Prerequisite: SOCI-1110.*

SOCI-2100 Sociology of Religion (3.0 credit hours)

This course will explore religious beliefs, practices, and institutions from a sociological perspective with attention to North American society and beyond. In recognition that the content and structure of religion is influenced by the socio-cultural world (language, symbols, groups, norms, interactions, resources, institutions, etc.) within which it exists, this course will attempt to understand the interplay between faith and society. The sociology of religion also attempts to understand how religion influences the social environment in which it is embedded. *Prerequisite: SOCI-1110 or permission of the instructor.*

POLS/SOCI/PHIL-2600 Social and Political Philosophy (3.0 credit hours)

What is human nature? Should society be organized to reflect this? What is justice? Are states coercive by nature? How does property inform politics? What is ethical citizenship? These questions are explored through a survey of Western political thinkers including Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, de Gouges, Burke, Wollstonecraft, Mill, and Marx, and by examining their contemporary legacy.

PSYC/SOCI-2700 Interpersonal Communication (3.0 credit hours)

An examination of the multilevel communication processes that underlie and support social interaction and relationship formation and change. Special attention will be given to the differences and connections between verbal and nonverbal communication and to the rules and rituals of social

interaction in everyday life. *Prerequisite: PSYC-1020 or SOCI-1110 or PCTS-1110.*

BTS/SOCI-2920 Gender, Sexuality, and Theology (3.0 credit hours) An exploration of gender relationships in church and society with a particular attention to how the category (experience of gender) has shaped and influenced society and Christian faith and practices, and conversely, how the Christian faith and society have influenced gender and the embodiment of human sexuality.

SOCI-2950 Topics in Sociology (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors.

POLS/COMM/SOCI-3000 Politics, Society, and Mass Media (3.0 credit hours) This course examines the relationship between the mass communications media and the political and social processes in which they operate, investigating the state of research on mass media, the role of media in creating and shaping political awareness, and in influencing human behaviour and values. Examples of topics which may be covered are: media ownership and organization patterns, media in the electoral process, the media in developing nations, the media and globalization, propaganda, media freedom and public opinion. *Prerequisite: 30 credit hours of university-level studies, including six credit hours in social science.*

SOCI/PHIL-3100 Ethical Living in a Technological Society (3.0 credit hours) This course will examine the implications of living in a technological society for our understandings of self, society, and Christian faith. The course will explore the historical roots of modern technology and the closely related domains of science and economics as well as a range of related philosophical, historical, psychological, and sociological critiques. Emphasis will be placed on identifying creative options for living “faithfully” within a technological society. *Prerequisite: 30 credit hours of university-level study, including SOCI-1110, or permission of the instructor.*

IDS/ENVS/SOCI-3521 Study of Simple Living (3.0 credit hours) Within International Development Studies, development is increasingly understood as a participatory, deliberate process aimed at enhancing the quality of life for individuals within social and ecological communities. This course examines the concepts, theories, and practices of simple living as an everyday, ordinary practice for individuals seeking alternatives to consumer values and culture. The course explores the roots of simple living and its modern expressions, with special emphasis on the relevance of simple living for building emotional well-being, vibrant communities, resilient ecological systems, and practices that contribute

to social justice in a globalizing world. *Prerequisite: 30 credit hours of university-level study. Students may not hold credit for this course and the former IDS-2521.*

PHIL/BTS/SOCI-3700 The City and the Soul: Encountering Winnipeg Through *The Wire* (3.0 credit hours) This course takes up the longstanding analogy of the city and the soul and explores it in the context of the contemporary city. Through an extended reading of *The Wire*—a critically acclaimed TV drama about the city—it invites students to reflect on what it might mean to pursue the good life in Winnipeg. *Prerequisite: 30 credit hours of university-level study, including 6 credit hours of Philosophy.*

MUSC/SOCI-3910 Music and Locality (3.0 credit hours) Most of us live our lives around and through music. We listen alongside many everyday activities—commuting, exercising, studying, cooking—but music is also at the heart of how we connect with friends, family, and our communities. This course centers musical practices as significantly meaningful, going beyond ideas of music as just entertainment or art, in order to explore people’s social relationships, personal and communal values, and music’s role in overall human flourishing. Students will engage in ethnographic investigations and qualitative analyses of local music scenes in Winnipeg, applying a variety of theories from sociology, media studies, and music to these local contexts and practices. *Prerequisite: 30 credit hours of university-level study. Reading musical notation not required.*

SOCI-3950 Topics in Sociology (3.0 credit hours) The content of this course will vary from year to year, depending on the needs of students and the interests and availability of instructors. *Prerequisite: 30 credit hours of university-level study, including SOCI-1110.*

PSYC/SOCI-4030 Qualitative Inquiry in the Social Sciences (3.0 credit hours) Examination of principles and procedures for conducting qualitative research in the social sciences. Topics include: the assumptions that inform qualitative research designs; procedures for gathering meaningful data through interviews, observation and textual archives; the analysis of such data; and ethical issues pertaining to the research endeavour. *Prerequisite: 60 credit hours of university-level studies, including 12 credit hours in social sciences.*

IDS/PCTS/POLS/SOCI-4100 Senior Seminar in Social Change (3.0 credit hours) In this capstone seminar, students review and compare inter-disciplinary and discipline-based approaches to social change, including issues in peacebuilding and conflict transformation, social and economic development, environmental sustainability, and democratization and social movements. Using a seminar format, students will examine contending theories of social change, and

address questions of power, interpretation, ethics, commitments, and virtues in understanding and working for social change. These examinations will allow students to explore ways of integrating theories and practices and articulate their own understanding and ethics of social change. *Prerequisite: 60 credit hours of university level studies, including 18 credit hours in IDS, PCTS, SOCI, POLS, GEOG or PSYC; or permission of the instructor. It is recommended that the practicum requirement be completed prior to taking this course.*

SOCI-4940 Independent Study in Sociology (3.0 credit hours) A study in a specific area of Sociology under the direction of a faculty member. *Prerequisite: SOCI-1110, an additional nine credit hours in Sociology, and a minimum of 60 credit hours of university-level studies.*

Social Work

SWRK-1000 Exploring Social Work Practice (3.0 credit hours) This course is an introduction to the profession of social work. It will examine the history and theoretical evolution of social work practice through a critical lens. The enduring core competencies and values of social work will be examined. Attention will be given to the roles that social workers play in today's society.

Section II: Academic Policies at Shaftesbury Campus

Registration

Registration Process

After a student has received admission to CMU, that student is eligible to register for specific courses. CMU provides registration guides to new students early in May. The Advising Office will be available to assist them in the selection of their courses.

Students returning to a subsequent year of studies after a break of at least one academic year must complete a Returning Student Continuance Form and submit it to the Registrar's Office. Normally CMU will provide registration guides to returning students by early April. Students should consult with the Advising Office for assistance in selecting their courses.

Academic Advising

The Advising Office assigns each first-year student to a Faculty Advisor who is their academic mentor. In addition to faculty, the Advising Coordinators are on hand to consider CMU degree and pre-professional options with students. Academic advisors work with students on course selection and program requirements.

Full-time or Part-time Status

Students may register either as full-time or as part-time students. A student who registers for a minimum of nine credit hours per semester will be recognized as a full-time student. A student who registers for fewer than nine credit hours per semester will be considered part-time.

Academic Load

Normally, a full course load is fifteen to seventeen credit hours per semester. In some circumstances, a student may register for more than seventeen credit hours per semester with the approval of their faculty advisor or the Advising Office.

Registration Requirements for the First Year

A student's first eighteen credit hours must include:
INTD-1000 Ways of Knowing I
A course with a W designation or ACWR-1010 Writing for Academic Purposes

INTD-0900 CMU First Year Advising Seminar
Students may use transfer credit to meet these requirements. The registration requirements for the first and second years apply to all students, except extended education students.

Declaring or Applying to a Degree Program

CMU admits new students into one of the following programs: the Bachelor of Arts (four-year), the Bachelor of Business and Organizational Administration, or the Bachelor of Music. Students may change from their initial baccalaureate programs by applying for their desired programs after completing pertinent Prerequisite.

Students enrolled in the Bachelor of Arts may declare their choice of major(s), and minor(s)/concentration(s) after completing fifteen credit hours and the necessary program Prerequisite. Students must declare a major upon completion of sixty credit hours. To declare a major or to change into a Bachelor of Arts three-year, students must complete an Academic Program Declaration Form. The form is available on-line at www.cmu.ca.

Students may be admitted directly into the Bachelor of Business Administration (co-op and non-co-op) or they may apply for admittance upon completion of fifteen credit hours. Students enrolled in the BBA may declare a major after completing fifteen credit hours. Students must declare a major upon completion of sixty credit hours. The program/major application form is available from the Registrar's Office or from the Business Program Director.

Students may be admitted directly into the Bachelor of Science or they may apply for admittance upon completion of thirty credit hours. The program/major application form is available from the Registrar's Office.

Students enrolled in the Bachelor of Music may apply for admission to a concentration within the Bachelor of Music or for admission to the Bachelor of Music Therapy after completing two years of the Bachelor of Music program. For more information on making such an application, see the admission requirements pertaining to the respective programs as listed in the ACADEMIC PROGRAMS section of this calendar. The program/concentration application form is available from the Registrar's Office or from the School of Music.

Students who have completed a Bachelor of Music or its equivalent may apply for admission to the Bachelor of Music Therapy after-degree program.

Course Changes

Students may add or drop courses without financial or academic penalty during the course change period specified by the academic schedule. Course changes

must be made through the on-line course change process. Failure to attend a class does not constitute an official withdrawal.

Voluntary Withdrawal

After the last date for course changes has passed, students may still voluntarily withdraw from courses without incurring academic penalty until the prescribed date. For courses following a twelve-week meeting format (i.e., they run throughout fall or winter semester), the prescribed date appears in the academic schedule. For courses following an intensive format (e.g., classes compressed into one or two weeks or over a series of three or four weekends), the prescribed date will appear in the header of the syllabus. Normally, withdrawal after the prescribed date will result in a failing grade on the student's transcript. In order to withdraw from a course, students must complete a Course Change Form. Discontinuing attendance in classes does not constitute official withdrawal.

Repeating a Course

Students who fail required courses must repeat those courses. Students may repeat any courses they fail, and students who wish to improve their academic performance in courses already successfully completed may repeat those courses. When a student repeats a course, the highest grade earned will become the grade for calculating the cumulative GPA.

Payment of Fees

When students have paid their fees, their registrations are complete! Students may view their fee statements through their Student Portals. Fees are calculated by semester and are due at the beginning of each semester. Students have the option of paying the fees for a semester in one full payment or by way of a deferred payment plan. Students may pay on-line through their banks' payment facility, or North Side Finance Office by cheque or debit card.

CMU's Financial and Student Services Advisor is available to assist students in planning for their financial requirements.

For details on due dates, the deferred payment plan, procedures for payment of fees, and overdue accounts, please see the "Student Payment Policy" in the annual *Registration Guide* or the website.

Transfer

From Post-Secondary Institutions

Students may request a transfer of credit for courses completed at universities, Bible colleges or institutes, community colleges, and technical colleges or institutes toward the requirements for a degree program at CMU. Students must provide official transcripts. Copies of

syllabi or course outlines may be required. Courses for which students have earned a minimum grade of 'C' will be considered for transfer credit. Courses may be evaluated in one of three ways:

- For equivalency to a CMU course, on a course-for-course basis.
- For block-transfer credit, by grouping together several courses in a subject field.
- For unallocated credit in a subject field or as a general elective. (In this context the term 'unallocated credit' means that the credit does not match any course offered at CMU.)

The total amount of credit that can be transferred is limited by the residency requirement (see requirements for specific programs). Credits older than ten years may be considered outdated and therefore not transferable. They will be considered on a course-by-course basis.

Unallocated transfer credit is designated using the following format: ABCD-0XXX. The ABCD prefix indicates the subject field of the course. It is an alphabetic code of three or four characters. The digit, "0" indicates it is a transfer course and the remaining digits, XXX, indicate the level of the course. See examples below.

- BTS-0101 Unallocated Bible indicates the transfer credit is at the 1000-level in the area of Biblical and Theological studies.
- PSYC-0200 Unallocated Psychology indicates the transfer credit is at the 2000-level and serves as an elective in the area of psychology.
- UNAS-0320 Unallocated Social Science indicates the transfer credit is at the 3000-level and can fulfill a social science requirement.

Transfer students will need to work closely with the Advising Office to determine how the transfer credit will apply to their degree programs.

Advanced Placement or International Baccalaureate

Students who have completed courses in the Advanced Placement program (College Entrance Examination Board) or the International Baccalaureate program and students who have completed university-level courses while in high school may receive either course credit or advanced placement at CMU. An official record of scores or grades must be submitted. For details, contact a CMU Admissions Counsellor or the Registrar.

Recognition for Experience-Based Learning for Exemption from the Practicum Requirement

Students who have completed a service assignment with an approved service agency up to one year prior to registration may apply within one year of registration to have this experience recognized at CMU. Students must write a reflective essay to demonstrate learning gained from their service assignment. A service assignment of

ten months duration may gain the student an exemption from the requirement to complete a six credit-hour practicum. For details, contact the Registrar.

Prior Learning Assessment and Recognition

Prior Learning Assessment and Recognition (PLAR) is a process by which adult learners identify, demonstrate, and gain recognition for knowledge and skills they have gained, often outside the classroom, but comparable to what students learn through specific courses at CMU. The Registrar's Office administers the process, relying on faculty members to carry out assessments. The assessment may be based on one or more of the following: a portfolio, an examination, a demonstration, an interview, a presentation, or some other means to which both the student and the faculty member agree. For details, contact the Registrar. Students applying for credit through the PLAR process pay one-third of the tuition price normally assessed for that credit. Students seeking exemption from a requirement or advanced standing in a subject field pay \$100 per exemption of three credit hours.

Courses and Their Requirements

Course Syllabi, Requirements, and Grading

The specific requirements of a course, including due dates, and the value each item will have in the final grade shall be published by way of a finalized syllabus by the last date for course changes. Any changes made after this time must be negotiated with the class and made in consultation with the Registrar's Office. If such changes are made, the instructor must immediately inform the students. All grading in the course shall then be done consistently with the agreed-upon course requirements.

The instructor shall assign a letter grade (A+, A, B+, B, C+, C, D, or F) to every submitted assignment that contributes toward the final grade for a course before returning it to the student (unless the syllabus stipulates that the assignment is to be marked as pass/fail or credit/no credit). It shall be possible for the student to discern from the mark how it affects the final grade.

All term work submitted on time shall be evaluated and returned with a grade to the student within a reasonably short period of time. At least 20% of the coursework assigned for a course must be graded and returned at least one week prior to the deadline for voluntary withdrawal (if submitted by the student by the relevant due dates).

Instructors are encouraged to utilize multiple means of assessment—tests, examinations, research projects, reports, minor papers, book reviews, journals, field

assignments, etc. Instructors may give students options as to how they will meet the course requirements.

Extensions and Incompletes

All academic course requirements must be completed at the times specified by the syllabus for the course, unless the student requests and receives an extension for an assignment(s) within the semester or an extension for the course beyond the end of the semester.

Extensions within the semester: A student may request an extension for an assignment(s) within the semester from the instructor. A student should request the extension prior to the date the assignment is due. The instructor has discretion in granting extensions within the semester. Extensions for assignments cannot extend beyond December 15th for fall semester courses, April 15th for winter semester courses, and August 15th for spring/summer semester courses.

Extensions beyond the end of semester: If a student requires an extension for course work past the closing date of the semester, the student must submit an appeal to the Academic Student Issues Committee by way of the Registrar's Office. The last date to appeal is December 16th for fall semester courses, April 16th for winter semester courses, and August 16th for spring/summer semester courses.

If the student's appeal for an extension beyond the end of semester is granted, the Registrar's Office, in consultation with the instructor and the student, will determine due dates for the remaining assignments. The maximum time allotted for extensions are: August 1, for courses ending in April; December 1, for courses ending in August; and April 1, for courses ending in December. Registrar's Office will enter a grade of I (for incomplete) accompanied by a temporary grade, which is based on completed work, assuming a value of zero for uncompleted work. If the student completes the remaining work within the extension period, the grade will be recalculated and the incomplete status will be removed. If the student does not complete the work within the extension period, the incomplete status will be removed and the grade will remain as originally entered.

Submission of Assignments

The syllabus for each course will indicate the permitted forms for submission of written assignments. These may include but are not limited to: paper submission, submission via e-mail, submission through a learning management platform. It is the instructor's responsibility to provide clear information within the course syllabus about acceptable forms of submission, the dates/times when assignments are due, and a process to confirm receipt of assignment (if applicable). It is the student's responsibility to be aware of acceptable forms of assignment submission for each class and to be aware of

available facilities to submit assignments in the required format.

Multiple Submissions of the Same Work

Students may, on occasion, wish to prepare one piece of work (e.g., an essay) to fulfill requirements for two different courses. This can be an important way for students to bring different areas of study into dialogue or to study a topic relevant to two courses in greater depth. Students who have completed at least thirty credit hours of university-level courses may request such an arrangement. Such requests must conform to the following guidelines:

- The student will submit the request in a written proposal to the Academic Student Issues Committee by way of the Registrar.
- The student must receive consent from the instructors in both courses.
- The title page of the submission must indicate for which courses it is being submitted and what value it has been assigned in each of the two courses.
- Normally, the assigned value of the submission is no more than 30% in either course.
- The submission must reflect the amount of work approximately equivalent to what would be required to prepare the two assignments it replaces.
- When students make multiple submissions of the same work not governed by this policy, it will constitute academic misconduct.

Attendance in Classes

At CMU regards the educational process as a community endeavour. It is much more than an individual undertaking by individual students. Each student has the potential to contribute to the learning in a class, and each will benefit from contributions by other students. Moreover, it is in the classroom that instructors communicate the subject matter of their courses, demonstrate ways of interpreting information, and provide guidance for students to work through important issues. Therefore, in order to maximize the potential of the educational process, it is important that each student attend classes regularly.

From time to time a student may need to miss a class. The student is responsible to advise the instructor before the class occurs, but if that is not possible, the student should communicate with the instructor as soon as possible after the class. The student is responsible to consult with other students in the class about the missed content.

A student who misses an excessive number of classes may be barred from further class attendance and from taking the examination in the course concerned. Normally six class hours (i.e., six fifty-minute periods, four seventy-five-minute periods, or two three-hour periods) would be an excessive number of classes.

- The instructor has the option to define “an excessive number of classes” differently in the course syllabus, and the instructor may set consequences for failure to attend as the instructor deems appropriate to the course.
- In all cases where the syllabus does not address attendance requirements, the instructor has the option to debar any student whose absences come to a total of six class hours in a semester.

Debarment means the student may not continue attending classes, the instructor will not grade assignments submitted by the student, and the student may not write the final examination. Debarment may result in the student losing eligibility to play on athletic teams.

When an instructor chooses to debar a student, the following steps will occur:

- The instructor will send the student a note informing the student. The instructor will also send a copy of this note to the Registrar. The instructor must maintain a record of the student’s absences as documentation for the grounds of debarment.
- If debarment occurs prior to the VW date, the student has the option to withdraw from the course. In order to withdraw from the course, the student must complete a course change form. Debarment from the course does not constitute official withdrawal. If the VW date has passed, the student will receive an “F” in the course.

A student who receives notice of debarment from a class may appeal for reinstatement.

- This process should begin with the student initiating a conversation with the instructor.
- If that does not result in a satisfactory outcome, and if the student believes they have received unjust treatment, the student may immediately appeal to the Academic Student Issues Committee in writing. The written appeal should include any documentation pertinent to the absences. The appeal should be directed through the Registrar’s Office.

Attendance in Individual Applied Music Studies

Students who are unable to attend music lessons for valid reasons, such as illness, must make arrangements with the instructor concerned in order to reschedule such lessons at a time suitable to both the student and the instructor. A full year of individual applied music studies consists of twenty-four lessons. A student must attend a minimum of twenty lessons in order to receive credit.

Examinations and Term Tests

Between the last day of classes and the beginning of the examination period there is a reading period that is

reserved for studying. No tests or examinations may be scheduled during this time.

Term tests may not be scheduled during the last five class-days of a semester. A term test may not count for more than 33% of the final grade. Term tests given during the last three weeks of classes may not collectively exceed 33% of the final grade. Normally, final examinations may not count for more than 50% of the final grade.

Other forms of examinations should be considered before take-home examinations are given. Take-home examinations have a time limit of seventy-two hours.

The weight of each question shall be clearly indicated on all tests and examinations. Also, the header of each test or examination shall include the course number and title and the name of the instructor.

Normally instructors will design final examinations for completion within two hours, but in a few subject fields (e.g., accounting, mathematics) examinations will have a longer duration. Instructors shall indicate the duration of the final examination (normally not exceeding two hours) within the course syllabus. An instructor has the freedom, at the time of the final examination, to offer extended time to all students in the class. Thus, for example, though the syllabus and the examination itself may indicate a duration of two hours, the instructor may choose to allow three hours for completion.

Examination Rescheduling

Final examinations must be written during the examination period, as scheduled. At the time of registration, the student must choose courses in such a way that there will be no direct conflicts in the examination schedule for the courses chosen.

Occasionally a scheduling conflict may arise for CMU students between examinations for courses taken at CMU and those taken at either the University of Manitoba or The University of Winnipeg. In such circumstances, the student should contact the Registrar at least two weeks before the end of classes to request the rescheduling of an examination. If such a conflict occurs for a visiting student, that student should seek a resolution of the conflict at their home institution.

In a few other situations a CMU student's request for rescheduling an examination will be granted—e.g., serious illness (documented by a doctor's note), accident, or a death in the family. Also, a student may request rescheduling if the examination timetable is such that within one day or within two consecutive days a student is scheduled to write (i) three examinations in three successive examination slots, or (ii) four examinations within five successive examination slots. The student should contact the Registrar at least two weeks before the end of classes to request rescheduling of an examination.

If a CMU student wishes to request the rescheduling of an examination on other grounds, the student must make an appeal in writing to the Academic Student Issues Committee at least two weeks before the beginning of the examination period. Students should be aware that appeals for reasons of personal convenience or to enable vacation travel do not normally succeed. If the appeal is granted, the student must pay a special examination fee before writing the rescheduled examination(s).

Attendance at Term Tests and Final Examinations

Students are responsible to attend term tests and final examinations at their scheduled times. However, students do occasionally miss tests or examinations due to illness or some other unanticipated circumstance. A student who misses a term test must contact the course instructor, providing an explanation for the absence. The instructor has full discretion over rescheduling the test for the student. A student who misses a final examination due to illness, a death in the family, or some other emergency should contact the Registrar to arrange for another opportunity to write the examination. The student should be prepared to present documentation regarding the circumstances preventing attendance. A student who misses a final examination for any other reason may submit an appeal to the Registrar's Office. The Registrar will adjudicate the appeal in consultation with the course instructor. If the appeal is granted, the student will pay the examination rescheduling fee before writing the examination.

Thesis Writing Procedures

Students enrolled in either CMU's four-year BTS Honours or its four-year Interdisciplinary Honours programs complete theses courses (six credit hours) as part of those programs' requirements. Students in other fields of study, completing a four year major, also have the option of applying for a thesis course. Completion of a thesis course may enhance their prospects for admission to a graduate school, especially in cases where the school prefers applicants from honours programs.

Thesis work requires faculty advising, and the viability of any proposal will depend on having a faculty member with the expertise, interest, and time to advise the project. Students thinking about doing a thesis should test their idea in conversation with the faculty member(s) with whom they would like to work. This conversation should happen at the latest early in the semester prior to the planned work.

Eligibility Requirements

- Minimum cumulative GPA of 3.5
- Minimum GPA of 3.8 in courses taken in the major
- Minimum of 75 credit hours of course work completed

The dates outlined in the procedure pertain to students

intending to graduate in April. In the case where a November graduation is desirable, the due dates are outlined in the table at the end of this document.

Proposal

The student will provide an initial proposal that includes the following:

- a provisional title for the thesis course
- a description of the proposed thesis (700 words)
- a rationale for how the proposed thesis fits into the student's program and learning objectives (300 words)
- a name of a faculty who is willing to be the advisor of the thesis
- A statement regarding whether application to the Research Ethics Board is required
- A preliminary bibliography of 1-2 pages.

The student will then submit this information together with a completed Thesis Course Request Form to the Program Chair. This Form can be obtained from the Registrar's Office or from the Program Chair.

Thesis Writing

The first step in thesis writing is to work with the advisor in reviewing the initial proposal and clarifying the focus of the work. This should include further attention to the central argument or thesis statement, an account of prevailing scholarship including views and methods, an outline of the whole project, and a bibliography. This work may contribute substantially to the introduction and/or first chapter of the thesis.

The Thesis is an extended essay, approximately 12,000 to 15,000 words in length, although the word-count may vary depending on the discipline or the nature of the project. The word-length includes the footnotes and bibliography. After the title page, the thesis must include a page naming the thesis advisor and second reader (see appendix). This should be followed by a 300- to 400-word abstract and then a page outlining the table of contents.

The student must submit an electronic copy of the completed thesis by the date specified in the below table. The thesis advisor has the right to ask for two printed copies in addition to an electronic copy. At this time, the advisor will secure a date and location for the oral presentation.

The advisor and second reader will take a week to evaluate the thesis to determine its readiness for oral presentation. They may agree to proceed with it as submitted, or they may require corrections and revisions. The oral presentation must take place no later than the final Reading Day prior to the beginning of the exam period. The advisor is responsible for publicising the thesis presentation.

The Presentation and Concluding Process

The oral presentation is seventy-five minutes in length, chaired by the thesis advisor and open to the public. The student gives a ten to fifteen minute introduction to the thesis, describes the argument and presents conclusions. The student supplies an abstract of one or two pages, single-spaced, for those attending the presentation. The readers have opportunity to ask questions regarding any aspect of the thesis. Finally, the public has the opportunity to ask questions, or offer comments.

After the conclusion of the presentation, the advisor, in consultation with the reader, informs the student regarding the status of the thesis. If no corrections are required, the student submits a copy of the thesis in pdf format, along with the signed non-exclusive license, to the advisor who then submits the thesis to the library director to be archived. If minor corrections are required, the student must complete them within a week following the oral presentation. If major corrections are required, the thesis advisor may direct the student to apply for an extension of the thesis course. Once all corrections are completed, the student submits a copy of the thesis in pdf format, along with the signed non-exclusive license. It is the responsibility of the advisor and second reader to ensure all corrections are complete and that the final version of the thesis to be archived is properly formatted and overall in excellent order. The advisor, in consultation with the second reader, assigns a letter grade for the thesis.

	April Defense Date	October Defense Date	December Defense Date
Proposal Due Date	May 30	October 30	March 30
Thesis Writing	September to March	January to August	May to November
Final Thesis Draft Due Date	March 10	August 31	November 10
Thesis Oral Defense Date	Prior to April exam period	Prior to September 30	Prior to December exam period
Thesis Corrections Due Date	One week after defense	One week after defense	One week after defense
Thesis Grade Due Date	Last day of winter semester	October 20	Last day of fall semester

Grades and Grading

Grades

To receive credit for a course, students must obtain one of the following passing grades—A+, A, A-, B+, B, B-, C+,

C, C-, D or P. An F is a failing grade. Registrar's Office will make final grades available through the students' portals.

Grade Points and Scale

Letter Grade	Percentage	Grade Points	Descriptor	Definition
A+	90-100	4.5	Exceptional	Exceeds expectations
A	85-89	4.25	Excellent	
A-	80-84	4.0	Great	
B+	77-79	3.5	Very Good	Clearly meets expectations
B	73-76	3.25	Good	
B-	70-72	3.0	Proficient	
C+	67-69	2.5	Satisfactory	Adequately meets expectations
C	63-66	2.25	Acceptable	
C-	60-62	2.0	Adequate	
D	50-59	1	Marginal	Below expectations but minimally acceptable
F	0-49	0	Failure Inadequate	Does not meet minimal expectations

Grade Point Averages

Grade point averages are calculated as follows: For each course a student has completed, its value in credit hours is multiplied by the grade points corresponding to the grade the student has earned for that course. The product is the number of weighted grade points the student receives for that course. The sum of the weighted grade points received in all courses completed is then divided by the total number of hours of credit taken. The result is the student's cumulative grade point average.

Grade Vetting

CMU is committed to building a culture of fair and consistent grading. This is important for the integrity of the university, for its reputation among other universities, for the integrity of students' transcripts, and for the recognition of these transcripts at other universities.

Over the course of a semester, instructors will provide grades to students for each assignment submitted, and at its end instructors will provide a cumulative grade. Those grades are provisional until the completion of a vetting process. Thereafter the Registrar's Office will publish final vetted grades through the transcript function in the student portal. Normally vetted grades will be published by January 15th for courses ending in December, by May 15th for courses ending in April, and by September 20th for courses ending in August.

For various reasons, grades vary from one class to another (e.g., large introductory courses will vary from small upper-level courses). However, if significant anomalies appear in grades for a particular course, an adjustment of grades in that course may be required. The vetting process includes consultation with the instructor. Factors such as the following are considered:

- the class GPA in comparison to the average GPA of all classes for the semester
- the class GPA in comparison to previous years for the same course
- the class GPA in comparison to the GPA in other classes within the same subject area
- the average grades of individual students in the class in comparison to the individual students' GPAs for other courses

Transcripts

The academic transcript is an official university document, signed and sealed by the Registrar. It lists all courses for which a student has registered, final grades that have been assigned, credit hour values, and the cumulative grade point average. Students may order official transcripts by completing a form available on CMU's website and upon payment of the transcript fee.

Academic Performance

Academic Standing

The purpose of CMU's policy on academic standing is to promote strong academic achievement among students and to provide structure and support for students with academic difficulties.

There are four levels of academic standing at CMU: Satisfactory Standing, Academic Alert, Conditional Continuance, and Academic Suspension. An applicant may receive admission to CMU either in Satisfactory Standing or on Conditional Continuance. An applicant's academic standing at admission is determined by the applicant's level of academic performance in high school or in previous work at other post-secondary institutions.

At the end of each semester, the Registrar's Office will review the performance of all students who have attempted nine credit hours or more to reassess their academic standing. Assessments will be completed by the middle of January for performance during fall semester, by the end of May for performance during winter semester, and by the middle of September for performance during spring/summer semester.

After performance assessments are completed, the Registrar's Office will notify those students who do not achieve Satisfactory Standing. Academic transcripts will indicate a student's standing if it is Conditional Continuance or Academic Suspension.

The four levels of Academic Standing are defined as follows:

- (i) **Satisfactory Standing**—The student achieves a sessional grade point average (GPA) of at least 2.5, or the student achieves a sessional grade point average of 2.0 and a course completion rate of at least 50%. The course completion rate is calculated by dividing the number of courses a student has completed by the total number of courses in the student's registration for the pertinent academic period. A course is complete if a final grade has been assigned. A course is incomplete if the student withdraws or if a student successfully appeals for an incomplete standing in the course.
- (ii) **Academic Alert**—The student has not satisfied the criteria for Satisfactory Standing but the student's sessional GPA is above 1.4. The student's standing will be reassessed after the student has attempted a minimum of nine additional credit hours.
- (iii) **Conditional Continuance**—The student has been admitted on Conditional Continuance, or the student's sessional achievement is below the standards set for Academic Alert, or the student has completed nine credit hours while on Academic Alert but has not achieved the minimum standards to return to Satisfactory Standing, or the student has been found guilty of academic misconduct. The student's standing will be reassessed after the student has attempted a minimum of eighteen additional credit hours.
- (iv) **Academic Suspension**—This standing will apply to two categories of student: (a) The student has attempted eighteen credit hours or more while on Conditional Continuance but has not met the minimum academic standards to return to Satisfactory Standing, or (b) the student has earned a sessional GPA of less than 1.0 in any particular semester and has shown a low level of academic engagement (e.g., missing classes, failing to submit assignments, etc.).

A student with the standing Academic Alert will meet with the Coordinator of Advising to discuss strategies to improve academic performance during the following semester. To achieve Satisfactory Standing, the student must earn a minimum sessional GPA of 2.0 over a minimum of nine credit hours with a course completion rate of at least 50%. If the student does not achieve this standard, the student may continue, but the student's standing will be Conditional Continuance.

A student on Conditional Continuance will fulfill the following four requirements:

- (i) The student will meet with the Registrar before registering for the following semester. The Registrar will appoint a faculty advisor for the student and advise the student regarding an appropriate course load.
- (ii) The student will attend all classes.

- (iii) The student will prepare a master schedule of tests, examinations, and assignment due dates for submission to the faculty advisor by the end of the third week of classes.
- (iv) The student will develop an academic covenant in consultation with the faculty advisor. An academic covenant is (i) a personalized strategy, based on a careful assessment of factors contributing to the student's academic difficulties, (ii) a commitment by the student to work according to that strategy, and (iii) signed by both the student and the faculty advisor. A key element of the academic covenant will be an arrangement for regular meetings between the student and the faculty advisor, the focus and nature of which will be determined by the strategy. The student will provide copies of the covenant to the Registrar, to the faculty advisor, and retain one for herself/himself.

Students on Conditional Continuance may lose their eligibility to play on CMU's inter-varsity athletic teams or to participate at some levels in student governance. Students on Conditional Continuance who miss classes without adequate explanation, submit assignments late, or violate the covenant in any way (e.g., missing meetings with the faculty advisor) may be subject to disciplinary action. Disciplinary action could include deregistration from CMU. Such action will be the responsibility of the Registrar's Office.

A student will move from Conditional Continuance to Satisfactory Standing when, over the course of a minimum of eighteen credit hours, the student earns a GPA of 2.0 with a course completion rate of at least 50%, or a minimum GPA of 2.5. If the student does not achieve these standards, the student will normally be placed on Academic Suspension. When a student returns to Satisfactory Standing, the Registrar will provide a memorandum of commendation, informing the student of this change in standing.

A student with the standing Academic Suspension may appeal to the Academic Student Issues Committee for re-admission to CMU. If the student has attempted more than thirty credit hours at CMU, the student must accept suspension for a period of one full year before submitting such an appeal. A student who has attempted less than thirty credit hours may make an immediate appeal. During the period of Academic Suspension, the student should develop a strategy to address the factors that contributed to poor academic performance. This could include registering for courses to improve study skills, writing skills, English language skills, etc. Readmitted students will return under the terms of Conditional Continuance.

Dean's Honour Roll

CMU has established a Dean's Honour Roll in order to recognize academic excellence among undergraduate students. At the end of each academic year, all full-time students who have achieved a grade point average of 3.5 or higher over the course of the academic year are placed on the Dean's Honour Roll.

The President's Medal—for Scholarship, Leadership, and Service

The purpose of this award is to recognize and celebrate students graduating with a baccalaureate degree who best represent the ideals of the mission and vision of CMU. The award is shaped by CMU's mission to "inspire and equip for lives of service, leadership, and reconciliation in church and society," and will focus especially on those students whose academic achievement is matched by their growth as well as potential in the practical application of their education. Recipients must have achieved a minimum GPA of 4.0 by January of the pertinent year, completed at least 60 credit hours at CMU, and demonstrated leadership and service within their community. CMU awards two medals each academic year.

Students with Disability

CMU strives to provide a fair and supportive learning environment for academically qualified students with disabilities. The term "disability" refers to both mental and physical conditions which are permanent, ongoing, episodic, or of some persistence, and cause a significant limitation for the person in carrying out some of life's major activities.

CMU's Application for Admission form invites applicants to identify any physical or learning disabilities. It is the applicant's responsibility to make an adequate disclosure to enable CMU to assess its capability to respond to that applicant's disabilities.

When an applicant discloses a disability, the Admissions Counsellor will ask the applicant to provide detailed information by filling out the form entitled Self-Identification for Students with Disabilities. The applicant should normally complete and submit the form at least one month before classes begin.

At least a month before classes begin, applicants with disabilities should seek an interview with either or both the Coordinator of Accessibility Programs and the Registrar to work toward an understanding regarding responsibilities each of CMU and the prospective student will assume to appropriately structure the CMU experience for the prospective student.

The prospective student will normally provide current medical documentation regarding the nature of their

disabilities from an appropriately licensed professional. As much as possible, the student should also provide documentation that clearly identifies accommodations needed to enable the prospective student to work or live comfortably on campus at CMU and academic accommodations that would assist the prospective student in their efforts to learn and demonstrate mastery of course content.

The Academic Student Issues Committee, which includes the Coordinator of Accessibility Programs for this agenda, has authority to approve academic accommodations and responsibility to serve as a consultative body for the Registrar and the Coordinator of Accessibility Programs in their administration of academic accommodations.

In all cases where accommodations have implications for the delivery of courses, for tests, or for examinations, the Registrar will communicate them to the student's instructors by way of a memorandum copied to the student. During the first week of classes, the student should seek an interview with each of their instructors to ensure that arrangements are in place in accordance with the Registrar's memorandum.

Academic Integrity

PURPOSE

CMU has a responsibility to set standards of student conduct that promote and maintain an environment in which academic integrity is understood and valued, and serves as the basis for student learning. The objective of this policy is to encourage appropriate student conduct and, when necessary, to identify and regulate student academic misconduct ("AM") that infringes on the culture of academic integrity upon which the University is built. The policy seeks to ensure fair and consistent process for students.

FOUNDATIONS

It is the role of faculty members to design assignments that enable students to develop capacities that will help them to flourish in their various roles in life. Assignments are process-oriented: it is by going through the exercise of completing such assignments, rather than the completed product *per se*, that students develop such competencies. Thus, when students plagiarize or cheat, they are taking a shortcut and avoiding the learning opportunities that form the very purpose of university education. Furthermore, CMU instructors assume that when students hand in an assignment they are claiming that the assignment represents their own work. Thus, when students submit work that is not their own, they deceive the instructor and break down trust between themselves and their instructor. Academic misconduct can thus seriously undermine the relational context in which learning best takes place.

Underlying this policy is the intention that all student encounters with AM processes have as their goal the

pedagogical benefit of the student, and their restoration as trusted and valued members of the student community, with the recognition that, in some cases, this will entail consequences that students may experience as punitive, including course failure and even suspension. For this and other reasons, this policy has instructors play an active role in AM procedures, not only because of their intimate knowledge of cases and their relevant scholarly contexts, but also because their existing relationship with students makes it less likely that the student will experience the process as arbitrarily punitive and unfair. Instructor involvement means that the student is more likely to gain pedagogical benefit from the process.

TYPES OF ACADEMIC MISCONDUCT

- Academic misconduct includes all of the following:
- Plagiarism
- Cheating
- Inappropriate research and writing practices
- Impersonation
- Forging, falsifying, or modifying an academic record
- Encouraging or assisting academic misconduct

Plagiarism is presenting language or an idea from a source of any kind as if it were one's own, that is, without explicitly and clearly citing and documenting the source. The following are examples of plagiarism:

- Copying an essay in its entirety from a single source, or copying sections from several sources and connecting them together with a few sentences of one's own, and submitting the product as one's own work.
- Having another person complete an assignment in whole or in part. This is often referred to as "contract cheating."
- The use of AI tools to generate or paraphrase text when those tools are not permitted by instructor; or, if their use is permitted by the instructor, when that text is presented as the student's own work without acknowledging the AI tool through a reference and documentation.
- Copying a phrase, a sentence, or a paragraph from a source into a written submission without acknowledging the source by providing a reference and documentation.
- Presenting a paraphrase or summary of material from a source in one's paper without acknowledging the source through a reference and documentation.
- Quoting a phrase, sentence, or paragraph from a source without enclosing it in quotation marks or setting it off as a block quotation, even if one is acknowledging the source through a reference and documentation.

As the foregoing examples may suggest, a student may plagiarize intentionally or unintentionally. Sometimes students, due to a lack of understanding or due to negligence, submit assignments in which they have used

sources inappropriately or have failed to adequately acknowledge them.

Cheating is dishonest or attempted dishonest conduct during examinations or tests or in the completion of any other requirement for a course, whether this conduct is to benefit oneself or to benefit another student. Cheating includes the following actions, but it could take many other forms:

- Copying from another student's test/examination in the test/examination room, or making one's test/examination visible to another student to copy.
- Communicating with another student during a test or examination.
- Bringing unauthorized material into the test or examination room, whether on paper, in electronic form, or in any other medium.
- Copying from another student's assignment, lab report, problem solutions, etc., and submitting it as one's own work, or making one's own work available for another student to use.
- Submitting the same work for more than one course without gaining permission in advance to do so.
- Acquiring a copy of a test or an examination in advance of the scheduled time for the test or examination.

Inappropriate research and writing practices involve intentionally misrepresenting or falsifying research results. Examples include:

- Fabricating or falsifying research data.
- Manipulating the design of one's research to ensure desired outcomes.
- Using another's research data without permission or attribution.
- Making references either to non-existent resources or to resources unconnected to the material being cited, to give the false appearance of good scholarship.

Impersonation means to present oneself as someone else. To impersonate someone or to arrange for someone to impersonate oneself are acts of misconduct, whether in-person in a classroom or examination room setting, or virtually through an electronic medium.

Forging or modifying academic documents such as tests, examinations, letters of admission, recommendation, permission, academic transcripts, or any other formal academic document of the university are acts of misconduct. Similarly, submitting false or incomplete information by way of a university form is academic misconduct.

Encouraging or assisting another person to do any of the above is itself academic misconduct. Examples include:

- Providing an essay, lab report, or other assignment in whole or in part for another student to submit as their own.
- Providing answers to another student during an exam.
- Providing exam questions to a student who will be writing the same exam at a later time.
- Uploading CMU essays, lab reports, or other assignments to essay vendor or trader sites, i.e., filesharing sites that are known providers of academic material for use by others who submit them to instructors as their own work.

BASIC COMPONENTS OF ACADEMIC MISCONDUCT CASES

Every case involves a decision about whether AM has occurred, and, if so, what the appropriate consequences are.

1. **Decision:** This decision is to be made by adjudicating the evidence gathered and arguments made by the instructor and the student, according to a balance of probabilities (i.e., whether AM is more likely than not to have occurred)
2. **Consequences:** Appropriate consequences depend on context and follow certain patterns. Further guidance is given below, under the heading "Consequences."

Major Cases

While every instance of AM is of some import, some cases are more serious and thus considered to be "major," either because of the context or the nature of the AM involved. Typically, in major cases of AM, a meeting with the ASIC Subcommittee will be mandatory.

Major cases may include, but are not limited to:

- Significant plagiarism in a work of substantial value.
- Cheating on term test or final exam.
- Contract cheating.
- Impersonation.
- Prior instance(s) of AM.
- AM in the last 30 credit hours of a student's program.
- AM at the graduate level.
- Forging, falsifying, or modifying an academic record.

PROCEDURE I: ASSESSMENTS

There are two processes to decide AM cases and assess consequences: *Instructor Assessment* and *ASIC Subcommittee Assessment*. There are two further disciplinary processes related to AM that do not involve a decision about whether AM has occurred. Those are treated below, under the heading "Procedure II: Academic Suspension and Appeals to the VPA."

When AM issues arise, it is always preferable for the instructor to make first contact with the student about the issue, if possible. Thus, all AM procedures begin with the instructor **gathering evidence, consulting with ASIC, and meeting with the student**, though the aims of that meeting differ depending on the context.

1. **Gather Evidence:** when there is reason to suspect AM, the instructor begins to gather evidence. If there is enough evidence, the instructor proceeds to a consultation with ASIC.
2. **Consult with ASIC:** The instructor consults with the ASIC Co-Chair (AM) to review the situation, confirm that there is reason to suspect AM, and receive guidance about how the case might be best approached. The case is then diverted either to **Instructor Assessment**, or **ASIC Subcommittee Assessment**.

Instructor Assessment

1. **Meeting with Student:** After gathering sufficient evidence, and consulting with the ASIC Co-Chair (AM), the instructor meets with the student to discuss concerns regarding AM (but not accuse, *per se*). In some cases, an instructor may request the support of ASIC in meeting with the student. The meeting should take place as soon as reasonably possible, ideally before subsequent assignments are submitted. The instructor will make all reasonable effort to contact the student. If the student does not respond or refuses to engage, a decision will be made in the student's absence.

1.1. Meeting Goals

1.1.1. To gather evidence and better

understand the situation. The purpose of the meeting is to gather and share information about the suspected AM. The instructor will note their suspicions, share what evidence they have, and ask the student for an account of the matter. The student will have an opportunity to share any evidence or material they feel is relevant. If the student has additional evidence, they must submit it within 24 hours of the meeting.

1.1.2. To decide whether AM has occurred.

The instructor will determine whether AM has occurred based on information gathered and according to a balance of probabilities. The instructor may communicate the decision to the student in the meeting. In cases where it is not completely clear that AM has occurred, the instructor may postpone a decision to allow for additional consideration or further consultation with ASIC.

1.1.3. To determine next steps.

1.1.3.1. If AM has not occurred, proceed to step 2. **Report to ASIC.**

1.1.3.2. If AM has occurred, the instructor will determine consequences according to the guidelines indicated in this policy. Then proceed to 2. **Report to ASIC.**

2. **Report to ASIC.** Regardless of the outcome, the instructor should notify both the ASIC Co-Chair (AM) and the student in writing (via email), including the following information:
 - 2.1. A brief precis of the nature of the AM, including the type(s) of misconduct and a brief description.
 - 2.2. The consequences determined.
 - 2.3. Or, where applicable, a brief account of why the case did not constitute AM.
3. **Appeals.** If a student believes they have been inappropriately sanctioned for AM by their instructor, that student has the right to appeal within fifteen days after receiving notice of the sanction. The appeal will be directed to an ASIC Subcommittee.
 - 3.1. **Grounds for Appeal**
 - 3.1.1. Where there is reason to think the instructor's decision was incorrect and AM has not, in fact, occurred.
 - 3.1.2. Where process as outlined in this policy was not followed, to the detriment of the student.
 - 3.1.3. Where consequences were disproportionate, or otherwise out of line with policy and past practice.
 - 3.2. **Appeals Process**
 - 3.2.1. **Intent to Appeal.** Students will notify ASIC Co-Chairs (Registrar and AM) of their intent to appeal within 15 days of the instructor's decision report. This notice of intent should include a rationale for the appeal.
 - 3.2.2. **Notice of Intent Review.** The ASIC Co-Chair (AM) will determine, on the basis of the *Notice of Intent to Appeal* and in consultation with the ASIC Co-Chair (Registrar), whether or not to hear the appeal. An ASIC Subcommittee will hold an appeal hearing if it seems on the face of it that there are grounds for appeal.
 - 3.2.2.1. If the ASIC Co-Chair (AM) determines that there do not appear to be grounds for appeal, the ASIC Co-Chair (AM) proceeds to step 4. **Report**, under heading "ASIC Subcommittee Assessment," and notifies the student and Instructor.
 - 3.2.2.2. If the ASIC Co-Chair (AM) determines that there appear to be grounds for appeal, the process proceeds to step 2. **ASIC Subcommittee Meeting**, under heading "ASIC Subcommittee Assessment," bypassing 1. **Initial Instructor Meeting with Student.**

ASIC Subcommittee Assessment

1. **Initial Instructor Meeting with Student.** After gathering sufficient evidence, and consulting with the ASIC Co-Chair (AM) to determine there is a possible case of major AM, the instructor meets with the student. The purpose of the meeting is to share and gather information about the suspected AM. The instructor will note their suspicions, share what evidence they have, and ask the student for an account of the matter. The instructor will tell the student it is a suspected case of major AM and that the case will be reviewed by ASIC. The student will have an opportunity to share any evidence or material they feel is relevant. If the student does not respond or refuses to engage, the matter will proceed to the **ASIC Subcommittee Meeting.**
2. **ASIC Subcommittee Meeting**
 - 2.1. **Meeting Participants**
 - 2.1.1. ASIC Subcommittee: ASIC Co-Chair (AM) plus one faculty representative, on a rotating basis.
 - 2.1.2. The instructor (or representative). If the instructor is unable to attend, they should submit in writing (e.g., by email) at least a brief statement of their argument why AM has occurred for the ASIC Subcommittee to weigh against the student's claims.
 - 2.1.3. The student. The student may invite a support person to the meeting, whom the student may consult, and who may ask questions of clarification, but will otherwise not normally speak on behalf of the student. ASIC will make all reasonable effort to contact the student. If the student does not respond or refuses to engage, a decision will be made in the student's absence.
 - 2.2. **Meeting Preparation**
 - 2.2.1. Relevant files for discussion will be circulated to all participants of the meeting one business day in advance. This will include the nature of the accusation, accompanied by all evidence, with time for all to review. If the student has additional evidence, they must submit it to the ASIC Co-Chair (AM) two business days in advance of the meeting.
 - 2.3. **Meeting Goals**
 - 2.3.1. **To hear and evaluate evidence.** All participants will have the opportunity to present and respond to evidence and ask questions.
 - 2.3.2. **To decide whether AM has occurred.** The ASIC Subcommittee will determine whether AM has occurred based on information gathered and according to a balance of probabilities. The meeting will typically involve a time in which the

student and instructor are excused for the Subcommittee to confer about the case, but the Subcommittee will normally make a decision before the conclusion of the meeting, while the student is still present. Occasionally the Subcommittee may delay the decision to gather more evidence or consult more broadly before making a decision. In such cases, the Subcommittee will reconvene the meeting to give the student a chance to respond to any additional evidence. In cases where there is disagreement between the two members of the ASIC Subcommittee, the question will be referred to the larger ASIC.

2.3.3. **To determine next steps.**

2.3.3.1. If AM has not occurred, proceed to step 4. **Report.**

2.3.3.2. If major AM has occurred, the ASIC Subcommittee determines consequences according to guidelines indicated in this policy. If the ASIC Subcommittee determines consequences of an F in the course or greater, the process proceeds to 3. **Decision Review.** Otherwise, it proceeds to 4. **Report.**

2.3.3.3. In cases of appeal, the ASIC Subcommittee determines whether the instructor's consequences are appropriate. The committee may choose to uphold the decision of the instructor or may determine different consequences. The decision of the Subcommittee is final. The process proceeds to 4. **Report.**

3. **Decision Review**

3.1. In cases where the Subcommittee determines consequences of an F in the course or greater, the decision and its consequences must be ratified by the rest of ASIC. This ensures a) that the decision and consequences assessed by the Subcommittee are consistent with past practice; and b) that any additional matters not satisfactorily addressed by the Subcommittee meeting are considered (e.g., to discuss whether an additional course penalty or suspension is warranted).

4. **Report.** Regardless of the outcome, the ASIC Co-Chair (AM) will notify both the student and the instructor in writing (via email), including the following information:

- 4.1. A brief precis of the nature of the AM, including the type(s) of misconduct and a brief description.
- 4.2. The consequences determined and contributing factors.
- 4.3. Or, where applicable, a brief account of why the case did not constitute AM.

5. **Appeals.** See below, **Appeals to the VPA.**

CONSEQUENCES

The maximum penalty an instructor may assess is a 0 in an assignment. Consequences as severe as a course failure should only arise in major cases and should thus be processed by ASIC. When discussing the range of possible consequences, faculty may look for direction from their consultation with ASIC.

Factors in Determining Consequences:

- a) The severity and the extent of the misconduct.
- b) The nature and weight of the assignment.
- c) Whether the student has committed a previous offence.
- d) Whether there is evidence of honest misunderstanding of expectations, or of an intent to deceive.
- e) Whether the student indicates a willingness to admit errors and learn.
- f) The year in which the student is enrolled and level of studies (i.e., bachelor's or master's).
- g) The experience a student has with Canadian academic expectations.
- h) The pedagogical needs of the student.
- i) Past precedent.

Consequences in Cases Assessed by Instructors

The hope in Instructor meetings is that a case reaches a resolution in which the student and the instructor (as well as any other relevant parties) mutually and voluntarily agree upon a path toward repairing any harms and achieving the relevant pedagogical goals. Occasionally such resolutions are not forthcoming, and instructors will have to assess consequences unilaterally.

Typical consequences assessed by the instructor may include:

- a) A warning.
- b) A requirement to correct and resubmit an assignment (e.g., by fixing citations, other issues).
- c) A requirement to rewrite an assignment.
- d) A reduced or a failing grade for the assignment.

Consequences in Major Cases Handled by ASIC Subcommittee

The hope in ASIC Subcommittee meetings is still that the case resolves with the student better oriented toward achieving the relevant pedagogical goals. Given the normal context of ASIC Subcommittee meetings, however, this is less likely to be achieved than in cases assessed by instructors.

Typical consequences in major cases assessed by ASIC Subcommittee may include, in addition to or in place of above:

- a) A failing grade for the course. The student will not have the option of withdrawing from the course to avoid an 'F' on the transcript.
- b) Remedial work and/or additional course work.
- c) Conditional continuance status. In all cases of major AM, the student will be placed on Conditional Continuance.
- d) Mandatory academic tutoring.
- e) Academic Misconduct in a course taken within the last thirty credit hours of a student's program will normally result in a failing grade for the course and in postponement of graduation to provide time for the student to re-establish integrity. Normally, the student will have an opportunity to re-establish academic integrity and graduate by completing one course to replace the course that was failed, plus at least one additional course.

PROCEDURE II: ACADEMIC SUSPENSION AND APPEALS TO THE VPA

There are two further disciplinary processes related to AM that do not involve a decision about whether AM has occurred: *Academic Suspension* and *Appeals to the VPA*.

Academic Suspension

When a student commits multiple cases of AM and seems unwilling or unable to learn from their mistakes, they have significantly disengaged from the learning process. ASIC may decide that such students should be considered for a one-year suspension. In such cases, an additional meeting shall be held to review the matter.

1. Meeting Personnel

- 1.1. ASIC, or a representation thereof, normally including at least both ASIC Co-Chairs (Registrar and AM), one representative of Student Life, and two faculty representatives.
- 1.2. The student. The student may invite a support person to the meeting, whom the student may consult, and who may ask questions of clarification, but will otherwise not normally speak on behalf of the student. ASIC will make all reasonable effort to contact the student. If the student does not respond or refuses to engage, a decision will be made in the student's absence.
- 1.3. The meeting will be chaired by the ASIC Co-Chair (Registrar).

2. Meeting Preparation

- 2.1. All members of the meeting should have copies of all relevant files for discussion circulated at least 24 hours in advance. In suspension hearings this will normally be comprised of past communications regarding previous instances of AM.

3. Meeting Goals

- 3.1. To determine whether the level and number of AM cases and the likelihood of committing future AM warrant suspension.
- 3.2. The meeting will typically involve a time in which the student is excused for ASIC to confer about the case, but ASIC will normally make a decision before the conclusion of the meeting, while the student is still present.
- 3.3. ASIC will seek to make the decision to suspend by consensus, but if consensus cannot be reached a decision can be made with one dissenting vote.

4. Report

- 4.1. Where a suspension has been assessed, the ASIC Co-Chair (Registrar) will notify the student in writing, including a brief account of the reasons for suspension.

5. Suspension

- 5.1. Academic suspension from the university lasts a minimum of one full academic year. If a student is suspended on account of academic misconduct, the student's academic transcript will indicate academic misconduct as the basis for suspension.

6. Reinstatement After Suspension

- 6.1. The student may apply to the Registrar in writing for reinstatement after a period of one year. The appeal must be made a minimum of one month in advance of the intended start date. In the written application, the student should indicate that they understand the reasons for their suspension, and articulate why they are now prepared to carry out their studies in good standing and are unlikely to commit further AM. The Registrar will then interview the student in a meeting that includes the ASIC Co-Chair (AM) for consultative purposes. The Registrar will consult as appropriate but the decision to reinstate the student remains the prerogative of the Registrar.
- 6.2. If reinstatement is granted, the student will return with the standing of Conditional Continuance. During the period the student has this standing, the student's instructors will give attention to assisting the student in practising academic integrity. If the student completes this period and achieves Satisfactory Standing, that student may appeal for the removal of the notation regarding academic misconduct from their transcript.

Appeals to the VPA

If a student believes they have been inappropriately sanctioned for major AM, that student has the right to appeal within fifteen days after receiving notice of the sanction. The appeal will be directed to the Vice President Academic.

1. Grounds for Appeal

- 1.1. Where process as outlined in this policy was not followed, to the detriment of the student.
- 1.2. Where consequences were disproportionate, or otherwise out of line with policy and past practice.
- 1.3. Conversely, the argument that AM has not occurred will not be considered grounds for appeal.

2. Appeals Process

- 2.1. **Intent to Appeal.** Students will notify ASIC Co-Chairs (Registrar and AM) of their intent to appeal within 15 days of the ASIC Subcommittee decision report.
- 2.2. **Statement of Appeal.** Within a reasonable timeframe, the student will follow the notice of intent to appeal with a written *Statement of Appeal* addressed to the VPA, submitted to the ASIC Co-Chair (Registrar), that includes:
 - 2.2.1. A request for the VPA to hear the student's appeal.
 - 2.2.2. A summary of the Subcommittee's decision, and any other relevant history and context.
 - 2.2.3. A rationale for the appeal.
- 2.3. **Statement Review.** The VPA will determine, on the basis of the *Statement of Appeal*, whether or not to hold an appeal hearing. The VPA will hold an appeal hearing if it seems on the face of it that there are grounds for appeal.
 - 2.3.1. If the VPA determines that there do not appear to be grounds for appeal, the VPA proceeds to step 2.5 **VPA Report**, and notifies the student and ASIC Co-Chair (AM).
 - 2.3.2. If the VPA determines that there appear to be grounds for appeal, the VPA proceeds to step 2.4 **Appeal Meeting**.
- 2.4. **Appeal Meeting**
 - 2.4.1. **Meeting Personnel**
 - 2.4.1.1. The VPA.
 - 2.4.1.2. The ASIC Co-Chair (AM), as a representative of the existing decision and consequences.
 - 2.4.1.3. The student. The student may invite a support person to the meeting, whom the student may consult, and who may ask questions of clarification, but will otherwise not normally speak on behalf of the student.
 - 2.4.2. **Meeting Preparation**
 - 2.4.2.1. The VPA may request from ASIC Co-Chair (AM) any files relevant to the case, including both materials pertinent to the case at hand, as well as any other files related to past student conduct pertaining to AM.

- 2.4.2.2. All members of the meeting should have copies of all relevant files for discussion circulated at least 24 hours in advance (including both student conduct files and the student's *Statement of Appeal*).

2.4.3. Meeting Goals

- 2.4.3.1. To determine whether there are good grounds to appeal that should result in an overturning of ASIC's decision or a modification of consequences.

2.5. VPA Report

- 2.5.1. The decision of the VPA is not subject to further appeal. Regardless of the outcome, the VPA will notify the student and both ASIC Co-Chairs in writing (via email), including the following information:
 - 2.5.1.1. The appeal decision.
 - 2.5.1.2. The rationale for the decision.

Appeals

Various Academic Matters

Students should direct appeals pertaining to curricular matters (e.g., regarding exemption from a requirement or a substitution for a required course) to the Curriculum Appeals Committee. Appeals pertaining to other academic matters (e.g., regarding scheduling of examinations, extensions beyond the end of semester for a course, etc.) should be directed to the Academic Student Issues Committee. Students should submit all appeals in writing through the Registrar's Office.

An appeal consists of a statement of the requested exemption or variance and an argument or an explanation in support of the request. For the appeal to succeed, the argument or explanation must convince the committee that will consider the appeal. The Registrar will communicate committee's decision in writing to the student.

Grades

Faculty members at CMU are committed to evaluating students' work fairly. A student who believes that a grade assigned on a particular submission is unjust may appeal to have the grade reviewed. The student will first meet with the instructor to present a case for a higher grade and to request a new evaluation of the submission in question. If this step does not result in satisfactory resolution, the student may submit a written appeal to the Registrar. The appeal will consist of a copy of the particular submission in question together with the case the student has developed in support of a higher grade. The Registrar will forward completed appeals to the Academic Dean, who, in consultation with the instructor, will appoint a second faculty member to evaluate the

submission. The Academic Dean and the instructor, in consultation, will use the results of the second faculty member's evaluation to determine a grade for the submission. Appeal of grades on particular submissions will not normally be allowed after the end of the semester.

A student who believes that a final grade recorded on the transcript of grades is incorrect will send a written request both to the course instructor and to the Registrar's Office, requesting that the grade be checked.

A student who believes that a final grade recorded on the transcript of grades is unjust may, within six weeks of the publication of the transcript, appeal in writing to the Registrar's Office to have the grade reviewed. The appeal will consist of all the materials submitted for evaluation in the course together with a case the student develops in support of a higher grade. A processing fee will be charged to the student for each appeal submitted. (For the amount of the fee, see the schedule of fees published on the website.)

Authorized Withdrawal

In exceptional circumstances, illness, grief, or some other factors may impede a student in taking appropriate action to voluntarily withdraw from a course before the last date for such action has elapsed. In such circumstances, a student may appeal to the Academic Student Issues Committee to give consideration to an authorized withdrawal. The appeal together with supporting documentation should be routed through the Registrar's Office. Normally such an appeal should be submitted within one year of the end of the semester containing the course registration from which the student requests authorized withdrawal.

When the Academic Student Issues Committee grants an appeal, the Registrar will enter a grade of 'AW' for 'authorized withdrawal' into the student's academic record for the courses concerned. The student will not receive credit for the course and it will not be calculated in the grade point average. There will be no tuition refunds payable, though there may be instances in which tuition credit will be granted in accordance with CMU's policy regarding withdrawals for medical reasons.

Authorized Leave Policy

A student may request an authorized leave of study from their program for the following reasons:

- Parental care for an infant or young child
- Medical reasons (physical or mental)
- Compassionate reasons (death or serious medical emergency of a family member)

An authorized leave may be requested for a period not to exceed one year. Whenever possible, the authorized leave request will be made prior to the start of the term(s) for which it is requested. In cases of an unanticipated

leave, the request will be made during the term. The request, together with supporting documentation, should be submitted to the Registrar for consideration. The request must include rationale, supporting documentation, and proposed dates for the leave.

A student must be in good financial standing at CMU prior to an appeal being considered. If the leave is approved, a note will be placed on the student's transcript indicating the dates of the leave.

A student may defer an award granted by the university provided this meets the conditions of the award. The award may be deferred for the period of the approved leave. A non-refundable deposit may be required to secure the award for the following year.

International students must consult with Immigration, Refugees and Citizenship Canada to understand how an authorized leave may impact their immigration status.

Forfeiture of Credit Previously Earned

Students who have not registered at any university or degree-granting institution for at least three years since last attending at CMU may choose to forfeit all their previous credits earned at CMU. Students who choose this option must submit their requests in writing to the Registrar's Office.

Students may elect to forfeit credits at the time of their returning to CMU, or they may take such action at any time before graduation. The forfeiture will apply only to and to all those courses attempted or completed before the minimum three-year absence from post-secondary educational institutions.

When a student elects to forfeit credits, the courses the student previously attempted or completed continue to appear on the student's transcript together with the grades the student earned. However, the credit value of each course is set to zero so that the transcript shows zero attempted credit hours and zero accumulated credit hours.

Graduation

The graduation weekend in April is an important event at CMU. It marks the official culmination of studies for graduating students. It is a community event because academic work is more than an individualistic endeavour; the CMU community is an important part of the learning that takes place. Through the graduation events the CMU community formally acknowledges the graduating class. All graduating students are expected to participate in the events. Graduands who are unable to attend must send a written notice to the Registrar by February 1st of their graduating year.

Students who believe they will be eligible to participate in the graduation events in any particular year must complete and submit a Graduation Application form and pay the graduation fee by September 30th.

At the convocation ceremony a student will have status as one of the following:

- (i) **Graduand:** A student who has met all degree requirements. Graduands will receive an official degree parchment at convocation.
- (ii) **Conditional Graduand:** A student who has completed courses to cover all degree requirements but whose grades have not all reached Registrar's Office. For example, the student may have taken a course at another institution during the final semester. When the Registrar's Office receives the final grades, it will provide the degree parchment to the student. If the final grades do not reach the Registrar's Office by June 30th, the conditional graduation status lapses. The student must apply again for graduation.
- (iii) **Participant:** A student who has completed the academic writing requirement and enough courses to be within six hours of completing the programs with a minimum GPA of 2.0. After a subsequent academic session, when a participant has completed all the remaining requirements of the degree program, the participant will notify the Registrar's Office to request conferral of the degree.

CMU also confers degrees in November but without a convocation ceremony. Students who believe they qualify to graduate in November must apply in writing to the Registrar by the end of September. If the final required courses are taken at another institution, a transcript must be received by the Registrar's Office by October 15th.

Completing a Second Major

Students may include a second major within either the three- or the four-year Bachelor of Arts program by completing all the requirements of each major. Some courses qualify to meet requirements in several different majors. Students may count a maximum of six credit hours of such courses toward the requirements of each of two three-year majors, and twelve credit hours toward the requirements of each of two four-year majors.

Completing a Second Baccalaureate Degree

Students who already hold a baccalaureate degree may earn a second baccalaureate degree from CMU by completing the residency requirements as well as all the particular requirements of the degree sought. Credits earned to satisfy the requirements of the first degree may be used, wherever pertinent, to satisfy requirements of the second degree. Thus, to earn a second baccalaureate

degree that is a three-year degree, a student must complete at least another thirty credit hours to meet the residency requirement of the second degree. To earn a second degree that is a four-year degree, a student must complete at least another sixty credit hours to meet the residency requirements of the second degree.

If a student has completed a three-year degree with a particular major and wishes to upgrade it to a four-year degree with that same major, the student may complete the additional requirements of the four-year degree, surrender the degree parchment obtained for the three-year degree, and receive the four-year degree parchment in its place. The student's transcript will indicate only the awarding of the four-year degree.

Adding a Credential to a Degree already Earned

A student may add a credential (a major, a minor, a concentration) to a degree already earned at CMU by completing the requirements of the desired credential. This must occur within five years of the year in which the student graduated. The additional credential will appear in the student's transcript.

Revision or Discontinuance of an Academic Program

When CMU revises or discontinues an academic program, students already in that program may finish that program by fulfilling the requirements in effect at the time of their initial registrations. They will have a maximum time frame of six years from the year of their initial registration. Thereafter, students must choose a new program or fulfill the revised requirements of the program.

Notification of Disclosure of Personal Information to Statistics Canada

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

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

demographic characteristics, enrolment information, previous education, and labour force activity.

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

Students who do not wish to have their information used may ask Statistics Canada to remove their identification and contact information from the national database.

Further information on the use of this information can be obtained from Statistics Canada's web site: www.statcan.ca or by writing to the Postsecondary Section, Centre for Education Statistics, 17th Floor, R. H. Coats Building, Tunney's Pasture, Ottawa, K1A 0T6.

Section III: Financial Aid – Scholarships, Bursaries, Grants, Etc.

Quality education is costly, although it will bring far greater returns than many other investments. At CMU our desire is to make quality post-secondary education affordable and accessible to students. We encourage students to explore all financial resources available to them both within CMU (scholarships, bursaries, on-campus jobs) and beyond (scholarships, awards, bursaries, and student aid).

1. Scholarships

CMU offers a variety of scholarships to students. Normally, scholarships are awarded based on merit. They are available to students in full-time attendance at the Shaftesbury campus.

Full-time attendance is defined as either 9 or 12 credit hours per semester as determined by the particular scholarship. Eligibility is restricted to credit hours taken at CMU or through Menno Simons College (MSC) to a maximum of one course through MSC per semester. In a situation where a CMU program requires courses from another University to meet requirements, the student may appeal this ruling by submitting a Credit Hour Requirement Exemption Request (cmu.ca/award-exemption). However, students have the responsibility to demonstrate that the courses taken at another university are necessary for their program. If a credit appeal is granted, a student will receive continuing eligibility as though they had fulfilled the award requirements.

Students entering their first year of studies who are granted a scholarship must submit their reply to offer form and deposit by May 1 and/or within two weeks of a program admission date. Failure to complete this requirement will be considered declining the scholarship or award.

It is possible for students to receive more than one scholarship unless otherwise stated. The total amount of money that CMU awards to any student will not exceed \$4,500 per school year, with exceptions noted under specific awards. Any student in an undergraduate degree will be limited to four academic years of scholarships and financial aid from CMU for a three-year degree and five years for a four-year degree. See each award for exceptions. Scholarship and merit amounts awarded to CMU students will be applied towards the students'

tuition fees and other costs at CMU in two equal amounts in September and January. All scholarships are awarded in Canadian funds. When the award is funded by a specific donor, a letter of thanks to the donor(s) is required to release the funds to the student's CMU account.

Students are encouraged to apply for scholarships, bursaries, and grants that are available through government, business, community and faith community related sources. Admissions, Student Life, and Financial Aid staff will help provide information about such scholarships. Scholarships received by a student from sources outside of CMU do not disqualify a student from receiving a CMU scholarship or count toward the \$4,500 maximum.

Scholarships, merit awards, and other financial aid are given to undergraduate students during the fall and winter semester of the academic year.

For CMU spring/summer credit hours to qualify for credit hour award criteria, the following steps must be followed:

- Courses must all be taken within the calendar period, starting May 1 and ending April 30.
- Spring/summer semester courses taken prior to the fall and winter semesters can be used to make up needed credits for either of the upcoming fall or winter semester. For example, a 3 or 6 credit hour practicum taken between May and August can be added to the subsequent fall or winter semester should a shortage of credits needed to receive the award occur in either or both semesters.
- If a student expects to meet the credit hour requirement using spring/summer credits, a Credit Hour Requirement Exemption Request must be submitted. The request should state how the student plans to use the spring/summer courses in one or both upcoming semesters.

Guidelines for Maintaining Renewable Awards

Some scholarships are renewable, provided a student maintains the required Grade Point Average (GPA), credit hour requirements, and other conditions of the awards. For Merit Awards this includes continuing in the program of study or on the athletic team.

If a student does not meet the 3.5 GPA requirement for a renewable award in one academic year but achieves a GPA of 3.0 or higher and maintains the other requirements, one half of the scholarship will be granted in the next academic year. If credit hour requirements are not met in one year but 3.5 GPA is met, then one half of the scholarship will be granted. See each award for exceptions to this general rule.

If a student does not meet the requirements for a renewable award for two years in a row, the student is disqualified from that award.

1.1. Academic Entrance Scholarship

(Note: Please see 1.1.2 for information on Home School Entrance Scholarships)

1.1.1. Academic Entrance Scholarship for Students beginning in Fall Semester (September–April)

Academic Entrance Scholarships are given to full-time students based on academic achievement. This scholarship is available to students who have matriculated grade 12 and are Canadian citizens or equivalent. Academic Entrance Scholarships are available only to applicants to CMU Shaftesbury Campus programs who have completed high school within the previous five years but have completed no more than nine credit hours at another post-secondary institution. No additional application for this scholarship is necessary. Students whose CMU application materials (application form, relevant official transcript, application fee) have been received by February 28 will be considered for this scholarship.

An average percentage on marks of CMU approved Grade 12 courses used to meet CMU admission requirements will be calculated to assess scholarship eligibility for students who have already completed Grade 12.

For students completing their grade 12 year, the percentage will be calculated based on the top five CMU approved courses (listed on the CMU website) taken in Grade 11. Students who are awarded an Academic Entrance Scholarship based on Grade 11 marks must successfully complete high school. The scholarship will be revised based on the new admission average obtained using final Grade 12 courses. Final Grade 12 transcripts must be received by July 31 or the students will not receive their scholarships.

The full amount of each Academic Entrance Scholarship will be awarded provided the recipient is registered at CMU for 12 or more credit hours each semester.

Scholarships are awarded according to the following scale based on the calculated average outlined above and applied to the student's account in equal amounts each semester:

95%–100%	\$3,000
90%–94.9%	\$2,000
85%–89.9%	\$1,000

When the award is funded by a specific donor a letter of thanks to the donor(s) is required to release the funds to the student's CMU account.

1.1.2. Academic Entrance Scholarship for Second Semester (January–December)

Students who begin their CMU studies in January and whose CMU application materials (application form, relevant official transcript, application fee) have been received before November 30 are eligible for Academic

Entrance Scholarships. Students will receive the following scholarships according to averages calculated on approved courses used to meet CMU admission requirements:

95%–100%	\$3,000
90%–94.9%	\$2,000
85%–89.9%	\$1,000

The award will be given to the students during the winter semester and following fall semester, divided equally between them, provided the student is registered for 12 or more credit hours each semester.

1.1.3 Entrance Scholarships for Home-Schooled Students

Home-schooled students who present official transcripts from provincial education authorities and/or any transcripts and documents that can be properly evaluated for grading will be granted an award on those transcripts for Academic Entrance Scholarships under section 1.1. The Admission Coordinator will make the discernment concerning what can be properly evaluated.

If a home-schooled student cannot provide transcripts that can be properly evaluated, they may request consideration for academic entrance scholarships to be awarded based on interview processes. The Director of Enrolment will arrange an interview for the student with a faculty member and an awards committee member. The interview will consist of a set of questions to the student, whose responses will provide the basis for assessing an average grade for determining the amount of the entrance scholarship. The faculty member may request that the student also bring in a sample of previously written work.

1.2. Leadership Scholarships

CMU annually awards four leadership scholarships worth up to \$14,000 allocated over a four-year period. This award is renewable at \$3,500 each of these years. This is awarded to students who demonstrate significant leadership ability, academic excellence, personal character, service, and vision. These scholarships are available to applicants to CMU's Shaftesbury campus programs who have completed high school within the previous five years and who have completed no more than nine credit hours of post-secondary education.

Applicants must include an essay, answering specific questions around leadership. A personal résumé and two letters of nomination must also be submitted with the application. The above materials, plus CMU application materials (application form, relevant official transcript, and application fee) must be received by February 28 to be eligible. Application forms are available by contacting the Admissions Office or on the CMU website.

The Leadership Scholarships will be awarded as follows:

- A reply to offer and deposit by stated deadlines are required as scholarship acceptance. Failure to submit these constitutes declining the award.
- Students registered for 12 credit hours each semester will receive up to \$3,500 during their first year of study, one half in September and the other in January.
- This award is renewable for an additional three years at up to \$3,500 per year (one half per semester). A student must maintain a GPA of 3.5 or higher, remain in 12 or more credit hours per semester, complete a Student Intention form and submit a 1000-word essay by April 30 of their current year. The essay must articulate new insights on leadership, summarizing how they have given leadership at CMU in the past year, and discussing how they plan to be in formal leadership at CMU in the coming year. One letter of support written by a CMU faculty/staff person substantiating the student's leadership contributions at CMU must accompany the submitted materials.
- If a student does not qualify to renew this award 2 years in a row, the student is disqualified from the award.
- Students who receive a Leadership Scholarship are **not** eligible to receive an Academic Excellence Scholarship or highest GPA scholarships but will be recognized for their academic achievements on their transcript. The total amount received for all scholarships and merit awards cannot exceed \$4,500 for each year.
- Two leadership scholarship recipients will be chosen to receive the Kay and Lorne Dick Excellence in Scholarship Fund. These students need to have completed 48 credit hours of study and will receive a total of \$5,000 for this achievement in that year (\$3,500 as others do, plus \$1,500 extra).
- It is possible to defer this scholarship for one year, provided all the eligibility conditions are met. When a Leadership Scholarship is deferred the financial aid office must be notified.
- When the award is funded by a specific donor, a letter of thanks to the donor(s) is required to release the funds to the student's CMU account.

1.2.1. Leadership Merit Awards

CMU awards four one-year Leadership Merit Awards valued at \$1,000 each to students who have applied for, but not received Leadership Scholarships. Students awarded a Leadership Merit Award must meet the criteria for the Leadership Scholarship to qualify for this award. No additional application is necessary.

1.3. Merit Awards

Students entering CMU who have thirty credit hours or less of post-secondary education may be eligible to receive a Program Merit Award for their leadership roles or contributions in the areas of music, business, athletics, science, or general academics. These awards may be received in addition to Academic Entrance Scholarships.

Students may receive an Athletic Award as well as another Merit Award; however, students may not receive more than one Merit Award other than Athletics. CMU application materials (application form, relevant official transcript, and application fee) as well as any application material related to the award must be received by February 28 to be considered. Application forms are available to current CMU applicants on their application portal.

These awards (with the exception of CMU Blazer Athletic Merit Awards) are valued at a maximum of \$4,000-\$6,000 each, allocated over a four-year period. Students will receive \$1,000 or \$1,500 (one half in September and the other in January) per year of these renewable awards. For a student to renew these awards they must continue to meet the criteria of the award and submit a completed Student Intention Form by April 30.

The following applies to all Merit Awards:

- Applications for awards for due February 28.
- Applicants must have applied to CMU including a recent transcript to be eligible.
- Merit Awards are available to students entering CMU who have previously completed no more than thirty credit hours of post-secondary education.
- Merit Award applications must be submitted for each award the student is applying for.
- A reply to offer and deposit by stated deadlines are required as scholarship acceptance. Failure to submit these constitutes declining the award.
- It will be possible to defer a Merit award for one year. When a Program Merit award is deferred the financial aid office must be notified.
- Academic, Business, Music, and Science Merit awards are mutually exclusive awards.
- A student must be registered in 9 or more credit hours per semester.
- When the award is funded by a specific donor, a letter of thanks to the donor(s) is required to release the funds to the student's CMU account.

1.3.1 Academic Merit Awards

Each year CMU recognizes four students who have a particular aptitude and desire to pursue Christian University studies. These awards have a maximum value of \$4,000 each, allocated over a four-year period, and renewable at the rate of \$1,000 per year (one half per semester).

Students applying for an Academic Merit Award must submit a 500-word essay on one of the following topics, which are drawn from CMU's vision statement:

- Educating for Peace-Justice. CMU is a learning community committed to Peace and Justice both in practice and in teaching. In 500 words explain your understanding of peace and justice as it relates to your own experience. How do you plan to continue to work

towards a deeper understanding and practice of peace and justice during your time at CMU?

- Learning through Thinking and Doing. CMU is a learning community that believes it is shaped through theoretical as well as experiential learning (e.g., practica, internships). In 500 words share how an experience you had enhanced your understanding of something you were learning in the classroom. What experiences do you hope will shape your learning and living at CMU?
- Generous Hospitality.... Radical Dialogue. CMU is a learning community that explores different dimensions of the Christian faith, our world, and life in it. Our invitational community encourages open and respectful interaction among individuals, groups, and organizations with different cultural backgrounds and worldviews. In 500 words, describe your understanding of what it means to explore dialogue within such diversity and why diverse dialogue is important. How do you imagine your participation in such a diverse community? How might this bring hope for our world?

Students applying for this award must also secure and submit a nomination from a supervisor or mentor. Students must submit their essays and nomination forms together with their admission applications, transcripts, and application fees by February 28 to be eligible for the award.

These awards are renewable, provided the recipient takes 9 or more credit hours per semester and maintain a cumulative GPA of 3.5 or higher.

1.3.2. Music Merit Awards

Each year CMU recognizes students gifted in music by offering four awards based on musical ability. These awards have a maximum value of \$6,000 each, allocated over a four-year period, and renewable at the rate of \$1,500 per year (one half per semester).

Students applying for these awards must submit a letter of nomination from a music instructor and complete an audition. Students must include a 2-3 paragraph (roughly 250 word) essay on what inspires and motivates them to pursue studies in music, past experience in music and future goals. It is required that students receiving Merit Awards in music successfully gain admission to CMU School of Music and register either in a Music degree program or take a music major within a BA degree.

These awards are renewable, provided recipient takes 9 or more credit hours per semester, continue to meet the criteria of their award, and maintain a cumulative GPA of 3.5 or higher.

Scouting Awards

In addition to the above Merit Award in Music, there will be additional entrance and returning awards given annually to gifted musicians as Scouting Awards. The purpose of these awards will be to attract new students, including transfer students. Amounts normally awarded in this way each year will be \$500, \$750, or \$1,000.

Students need not apply for these awards. Faculty in the music department will nominate students for these awards and follow the procedure outlined above for final determination. Criteria used will be similar to criteria for music merit scholarships (i.e., a 3.5 GPA or a 70% or higher incoming HS grade, continuing GPA at CMU of 3.5). Contact the Admissions Department, Financial Aid Office, or CMU School of Music Department for details.

When the award is funded by a specific donor, a letter of thanks to the donor(s) is required to release the funds to the student's CMU account.

1.3.3 Business Merit Awards

Each year three Business Merit Awards are awarded to recognize students who are business-minded and who desire to enter a business program at CMU. These awards have a maximum value of \$6,000 each, allocated over a four-year period, and renewable at the rate of \$1,500 per year (one half per semester).

Eligibility requirements are as follows:

- A completed application form.
- An academic entrance average of 80% over three academic subjects including either Pre-Calculus Math 40S or Applied Math 40S (or equivalents), and English, with a minimum grade of 60% in each. Students who have not completed the math requirement may be considered on a case-by-case basis for the entrance award.
- A 250-word statement on what inspires you to pursue studies in Business at CMU.
- A nomination regarding your suitability for study in the Redekop School of Business (see nomination form for details).
- Registration in a minimum of 9 credit hours, including required business courses, in each of fall and winter semesters.

Students entering as transfer students into the Redekop School of Business at a second- or a third-year level may also receive this award. The number of credits transferred for such students would determine the number of years of their eligibility.

These awards are renewable, provided recipients take 9 or more credit hours per semester, continue to meet the criteria of their award, and maintain a cumulative GPA of 3.5 or higher.

1.3.4. Science Merit Awards

Two Science Merit Awards, at a maximum of \$6,000 over four years (\$1,500 per year), recognize students who are science-minded and who desire to enter a science program at CMU.

Students applying for these awards must submit a letter of nomination from a science instructor. Students must include a 2-3 paragraph (roughly 250 word) answering a question provided by science faculty.

These awards are renewable, provided recipients take 9 or more credit hours per semester, continue to meet the criteria of their award, and maintain a cumulative GPA of 3.5 or higher.

1.3.5 CMU Blazer Athletics Merit Awards

Athletic Merit Awards are available to CMU student athletes. To be considered students must be invited by a CMU coach to join a CMU Blazers team and be recommended by a CMU coach for an Athletic Merit Award. Athletic Merit Awards range from \$500 to \$3,000 per student. Amounts offered will be divided between the fall and winter semesters.

Additional award criteria are as follows:

- Awards may be given to new or returning athletes.
- Awards are non-renewable but coaches may choose to give the same athlete a new award each year.
- Returning student-athletes must be in good academic standing, all student-athletes must be registered in at least nine credit hours per term.
- Recipient of this award must be a member of and have signed a commitment to a CMU varsity team/accepted to that varsity team.
- The reply to offer and deposit requirements may not apply in the same way to this merit award as it does to other merit awards.

1.4. Academic Excellence Scholarships for Returning Students

Academic Excellence Scholarships for Returning Students worth \$1,000 are awarded at the end of each academic year and are based on academic performance. Full-time students registered in 12 credit hours in each of the fall and winter semesters and who achieve a minimum GPA of 3.8 over those semesters will be considered for this award. Students in a four-year program will be considered for this scholarship for the three years after completing their first year of studying at CMU. Students in a three-year program will be considered for this scholarship for the two years after completing their first year of studying at CMU. Scholarships are credited to students' accounts for tuition and other fees in two equal instalments in September and January. No application is necessary.

Full-time students who begin in January, are registered for 12 credit hours for each of their first two semesters (for a total of 24 credit hours) and achieve a 3.8 or higher will be eligible for academic excellence scholarships for the upcoming academic semester of study.

When an Academic Excellence Scholarship for Returning Students is funded by a specific donor a letter of thanks to the donor(s) is required to release the funds to the student's CMU account.

1.4.1 Highest GPA Awards

Students who have completed 12 credit hours of course work in each of the previous consecutive fall and winter semesters are eligible to receive the "Highest GPA Scholarship" in place of their Academic Excellence Scholarship and follows the same criteria as the Academic Excellence Scholarship. If they have declared their program, they are eligible for that area award or are eligible for the "Year One" scholarship if they have not declared a program of study and have completed 30 credit hours or less of course work at CMU.

The number of credit hours students take will not gain them an advantage for highest GPA scholarships. For example, if a person takes 24 credit hours and has a GPA of 4.13 and another student takes 30 credit hours and has a GPA of 4.12 (both in the area of music), the person with the 4.13 GPA will receive the highest GPA award in music.

Award Area	Amount of Award
Year One program	\$2,000
Business or Communications Major	\$2,000
Humanities or BTS Major	\$2,000
Social Sciences or Sciences Major	\$2,000
Music program	\$2,500
Music program (second highest)	\$1,500

When a Highest GPA Award is funded by a specific donor, a letter of thanks to the donor(s) is required to release the funds to the student's CMU account.

1.5. Returning Student Leader Award

CMU values its student leaders and their contribution to campus life. The Returning Student Leader Award recognizes the additional work student leaders take on which can limit their ability to achieve academically or gain employment off campus. CMU offers eight Returning Student Leader Awards worth \$750 (one half per semester).

Eligibility Criteria:

- Must have served the CMU community in a formal leadership role in the current year (RA, CMUSC, Student Navigator, team captain, etc.)
- Must be serving the CMU community in a formal leadership role for the coming year and be enrolled in 9 credit hours or more per semester in the year they apply and the year they receive the award.

- Should have a GPA between 2.0 and 3.79 for the current year, over a minimum of 9 credit hours per semester.
- Students who are offered a Leadership Scholarship, Academic Excellence or Highest GPA scholarship for the upcoming year are not eligible for this award.
- Students must submit a completed application by April 30.
- Applications must include a 250-500 statement describing their leadership involvement, how it has had an impact on others and what they have learned from their leadership experience.
- A student may receive this award more than once.

When the award is funded by a specific donor, a letter of thanks to the donor(s) is required to release the funds to the student's CMU account.

1.6. Donor Funded Scholarships

In addition to CMU scholarships and awards, private donors have created scholarship and bursary funds for CMU students. Income from these funds will be awarded to students based on merit and, in some cases, additional criteria set by the donor. In some cases, students must complete a separate application to be considered for donor-designated scholarships and bursaries. Questions about these scholarships and bursaries can be sent to the financial aid office. For a listing of these scholarships and bursaries, see "List of Scholarships and Bursaries" below. A letter of thanks to the donor(s) may be required to release funds to the student account.

1.6.1 Anni (Dyck) Wiebe Memorial Scholarship

This scholarship has been created in honor and memory of the life of Anni (Dyck) Wiebe. Anni (Dyck) Wiebe had a keen interest in expanding and integrating her understandings of her Anabaptist-Mennonite faith and her psychiatric nursing career. A perceptive listener, she sought to translate these understandings into concrete action in working directly with colleagues, troubled children and struggling adults in her chosen occupation and elsewhere as a volunteer. She accomplished much at the individual, interactive level where she preferred to apply her personal efforts.

To qualify for this award the students must complete an application form; include a letter of nomination from someone familiar with their desire to go into nursing (e.g., teacher, guidance counselor, employer, pastor, mentor, etc.), a résumé outlining work and volunteer experience and a 250-300 word statement explaining their interest in nursing. This is a one-year non-deferrable award worth \$750. The application deadline is February 28. Eligibility Criteria:

- Students applying for this award cannot have more than 30 post-secondary credits.
- High school average of 80% or higher or a GPA of 3.5 if you have 24-30 credit hours of university work.
- Students must enroll in a minimum of 9 credit hours each semester.

1.6.2 Richard Penner Arts and Science Scholarship

The Richard Penner Arts and Science Scholarship is for a returning student focusing on the interplay of Science and Faith. This \$2,000 scholarship (\$1,000 funding the Academic Excellence Scholarship or a portion of a Highest GPA scholarship and an additional \$1,000 for the essay portion) will be given to a returning student who has achieved a GPA of 3.8 or higher and has submitted an essay in which they reflect on the interplay of science and faith. The recipient will be selected based on their overall GPA, the quality of the reflective essay and the breadth of the academic program in terms of science, theology, BTS, Humanities and Social Sciences study and integration.

The application deadline is April 30. Eligibility Criteria:

- Students applying for this award must have completed a minimum of 12 credit hours of majors' level science or math courses.¹
- Demonstrated interest in the interdisciplinary dialogue between science and faith.
- Have a GPA of 3.8 or higher.
- Students must be enrolled in a minimum of 12 credit hours each semester in the year of application and the year of receipt.
- This award is non-deferrable.

1.6.3 Anne and Al Loewen Creative Prize

The Anne and Al Loewen Creative Prize is a \$750 prize created in honour of Anne and Al Loewen. Its purpose is to recognize the most creative project in the Arts, Theology, and Humanities in a given year. The project could be an essay, a musical composition, a literary composition, artwork or performance in music, drama, or other art form. The creativity will be judged by originality, excellence, and the project's ability to provoke and inspire, delight, and instruct, and by the way that it intersects with the Fine Arts, including the Literary Fine Arts. The application deadline is April 30.

Eligibility Criteria:

- Students applying for this award must be full-time students who are continuing full-time studies in the following academic year.
- Demonstrated interest and involvement in the work of the church.
- Have a GPA of 3.0 or higher.
- This award is non-deferrable.

¹ The following courses do not count as majors' level science or math courses: BIOL-1341, BIOL-1350, BIOL-1361, BIOL-1371, and MATH-1000.

1.6.4 Dr. Robert Janzen Memorial Scholarship

The Dr. Robert Janzen Memorial Scholarship has been created in memory of Dr. Robert Janzen. To qualify for this \$1,000 award, the student must complete the application and a 500-word essay in which they reflect on an aspect of their learning related to issues noted below, along with the cross-disciplinary interplay of these issues within their program of study. The application deadline is April 30.

Students qualifying for this award will have:

- Demonstrated inter-disciplinary interest in some combination of issues and questions arising from:
- Course work in Geography, Environmental Studies, International Development, Biology, Biblical/Theological Studies, and Business
- Land use and ethics, rural-urban land issues, agricultural capacity building, soil biodiversity and nutrient cycles, environmental sustainability, urban agriculture, and human rights
- Involvement with CMU's market garden/farm and connections with their academic program and/or directed readings.

Eligibility Criteria:

- Students applying for this award must have completed a minimum of 24 credit hours within a Social Science degree track and be entering their third or fourth year of studies at CMU.
- Students must be enrolled in a minimum of 12 credit hours each semester in the year of application and the year of receipt.
- This award is non-deferrable.

1.6.5 J.B. Toews Historical Commission Scholarship

The J.B. Toews Historical Commission Scholarship has been created in memory of J.B. Toews, the first executive secretary of the Mennonite Brethren Historical Commission. The scholarship is awarded to a Mennonite Brethren student with a demonstrated interest in Anabaptist-Mennonite history and theology. To qualify for this \$1,000 award a completed application and reference letter must be submitted. Deadline is April 30.

Eligibility Criteria:

- Students applying must be full-time entering their third or fourth year of full-time undergraduate studies.
- Be active members of a Mennonite Brethren Church.
- Have a GPA of 3.0 or higher.
- Must contribute to the life of the university community and show interest in Anabaptist-Mennonite studies, as evidenced by a reference letter from a professor teaching in the area of Anabaptist-Mennonite studies.

1.6.6 Transfer Students

Academic entrance awards are also given to transfer students who are transferring from other Canadian Universities and Colleges only. Transfer students are eligible to receive an Entrance Scholarship based on their

previous academic achievement. Scholarships are based on the cumulative GPA attained at their previous institution over a minimum of 24 credit hours. Students need not apply for these awards but must submit CMU application requirements by May 31. The scholarship amount will be \$1,000 for a CGPA of 3.8 or higher (4.5 GPA scale) or 3.6 or higher (4.0 GPA scale). The award will be given to students during two consecutive semesters and divided equally for each semester. Transfer students starting in January must submit CMU application requirements by November 30 to be eligible for this scholarship. Students starting at CMU with a previously completed degree elsewhere are not eligible for this award.

2. Bursaries

Bursaries are awarded primarily based on financial need and satisfactory academic standing. An application for bursary assistance is required and for domestic students can be submitted only after receiving a letter of acceptance to CMU. International students will be eligible to apply for bursaries after they have begun their studies at CMU. For the fall semester the applications will be available April 1 (or the following business day), and they will be due July 20 for domestic students and May 31 for international students. For the winter semester, applications will be available starting October 15 and are due November 10. Students will be notified if they have received a bursary prior to the beginning of the semester to which the bursary application pertains. Bursary amounts normally range from \$500 to \$3,000, and they are not normally considered part of the \$4,500 scholarship cap.

Students will be required to complete a CMU bursary application. A Canadian student must also submit a Provincial Student Financial Aid Assessment and award information to qualify. International students are eligible for student bursaries and in addition to the bursary application must submit a budget needs assessment.

When a bursary is funded by a specific donor, a letter of thanks to the donor(s) will be required to release the funds to the student's CMU account.

2.1 Indigenous Student Bursaries

Two bursaries of \$1,000 each are available to Indigenous students beginning their studies at CMU. Applicants must complete an application including a 500-word essay on learning in community and have one letter of nomination. Students applying must enroll in at least 9 credit hours at CMU, have an entrance average of no less than 75%, demonstrate financial need, and must self-identify as an Indigenous person in Canada.

CMU also partners with Indspire Building Brighter Futures to offer three awards. See www.indspirefunding.ca/canadian-mennonite-university

for more detail. Students cannot receive both a CMU bursary and a CMU funded Indspire award.

3. Faith Community Matching Grants

Some faith communities encourage their students to attend Mennonite/Christian post-secondary institutions by providing bursary, grant, or education funds for their students. CMU will match faith community funds up to \$500 per school year (a maximum of \$250 per semester) for Canadian students and up to \$1,000 per school year (a maximum of \$500 per semester) for international students. The student must be registered for 9 credit hours each semester at CMU. This program is available to students studying from September to April. The onus is on the student to request these matching funds by completing the student portion of the Faith Community Matching Grant application and instructing their Faith Community to submit their portion of the application. Forms will be accepted starting June 1 for the following September. Funds for the matching grant will be available to students until the budgeted amount has been fully allocated. Funds arriving without an application will not be accepted for this program. For a student to receive the matching grant the faith community must send the money payable to CMU and not give it directly to the student. Funds are limited and will be given out on a first come, first served basis. A portion of the funds for this program will be reserved for students starting in January. This program is open to international and graduate students.

4. Camp Wage Subsidy

Students may apply for a Camp Wage Subsidy if they have been a full-time (9 credit hours per semester) student during the academic year immediately preceding the summer months in question and return to CMU as full-time students immediately after the summer months in which the camp work was completed. Students are required to apply for this subsidy prior to the end of the school year in April and submit a verification report from the camp when they return in September. Students will also be required to attend a meeting with a representative from the Enrolment department to discuss what it means to represent CMU in this role and to receive CMU apparel and printed information. This subsidy is available to students who have worked at camp for four or more weeks in a given summer and have a GPA of 2.0 or higher. Payment will be based on the actual number of weeks worked and will vary based on the number of applications and available budget. Application forms and further information is available from the financial aid office.

5. Employment on Campus

There are many campus jobs for students. Students who work an average of five hours per week can earn upwards of \$800 per semester, \$1,600 per school year. All students enrolled at CMU are eligible for campus employment.

Students enrolled full-time (9 credit hours per semester) will receive higher consideration. Jobs are awarded based on qualifications, prior experience and other considerations. A detailed work resume must be submitted along with an application. Applications are available through the student portal/hub. Job applications submitted prior to the final day of the winter semester will receive priority consideration for returning students. In some cases, financial need could be considered when determining employment.

Federal and Provincial Student Aid

Canada Student Aid

CMU is recognized as a designated educational institution under the Canada Student Loan Program. Applications can be found online through the student aid web site of your province or territory. For more information visit:
<https://www.canada.ca/en/services/benefits/education/student-aid/grants-loans/province-apply.html>

List of Scholarships and Bursaries

Many of the following funds are awarded to students in scholarships, bursaries, and awards each year

CMU is grateful to the many individuals and organizations who have provided funds for the following:

- The Accessibility Scholarship
- Jacob Andres Achievement Scholarship
- Hugo & Marie Bartel Family Bursary
- Katherine Bender Bursary
- Menno & Esther Bergen Memorial Bursary
- Irene (Baerg) Block Education Bursary
- Braun/Janzen Memorial Bursary
- Elizabeth Buckland Memorial Scholarship
- Kathleen Burrows Lightcap Bursary
- Camrose Mennonite Fellowship Bursary
- Canadian School of Peacebuilding Bursary
- Timothy Chui Chen Seminary Scholarship (GSTM)
- Class of 1953 MBBC/CMBC Bursary
- CMBC Alumni Association Bursary
- CMBC General Student Aid
 - Katherine Esau Endowment
- CMU Alumni Bursary
- CMU Bursary Endowment & Fund:
 - Bill & Elma Bergen Bursary
 - Jean Broadfoot Bursary
 - CMBC Class of 1955 Bursary Fund
 - CMBC Class of 1994 Bursary
 - Abram & Helene Driedger Bursary
 - Henry & Elizabeth Dueck Bursary
 - Heinrich & Anna Epp Memorial Bursary
 - Hedy Fast Memorial Bursary
 - Jack Fransen Bursary Endowment
 - Dr. Isaac I & Elsie Friesen Memorial
 - I.I. & Elsie Friesen Memorial Bursary
 - J.D. Friesen Ministries Bursary
 - Harder, Olfert, Epp, (HOE) Bursary
 - Mr. & Mrs. Dietrich Heppner Memorial Bursary
 - John Hooge Memorial Bursary
 - Helen Janzen Bursary
 - Sara Loewen Memorial Bursary
 - Peter Priess Memorial Bursary
 - B.J. Schellenberg Memorial Bursary
 - J.E. Stobbe Memorial Bursary
 - Henry Wall Bursary
 - Dr. Erland Waltner Bursary
 - P.B. Wiens Memorial Bursary
- CMU International Students Bursary Fund:
 - Mary & Lena Fransen Bursary
- CMU Scholarship Endowment & Fund:
 - C.A. Defehr Memorial Scholarship Fund

- Bernhard & Katharina Dyck Endowment
- David Ewert Biblical Studies Scholarship
- CMU-Grebel Rockway Scholarship
- Concord College Entrance Bursary
- Kay & Lorne Dick Excellence in Scholarship, Leadership & Service Awards
- Herbert Victor Dimock Memorial Bursary
- Leo & Darlene Driedger Bursary for Women
- Leo & Darlene Driedger Women's Leadership Scholarship
- Gordon & Nettie Dueck International Student Bursary (GSTM)
- John G. Dueck Bursary (MAPCD)
- Ernest H. Dyck Bursary
- John R. & Paula Dyck Bursary
- Jack & Mary Ediger Bursary
- EMC Graduate Studies Bursary (GSTM)
- Encompass Benefits & HR Solutions Scholarship for Business Students
- Gerhard & Margaretha Ens Family Endowment Fund
- Irma (Wiens) Epp Memorial Bursary
- Bernhard & Mary Fast Scholarship
- David Friesen Scholarship
- Henry Fast Memorial Bursary
- Nicholas & Tina Fransen Scholarship (GSTM)
- John R & Marian Friesen Academic Excellence Scholarship
- Jonathan & Ruth Friesen International Scholarship
- Lydia Friesen Scholarship
- Myrna Friesen Music Scholarships
- The David & Melitta Friesen Music Education Scholarship
- John & Katie Friesen Bursary for Pastoral Ministry (GSTM)
- Peter Ben Froese Memorial Bursary for Business Students
- Hans & Elsie Funk Business Bursary
- German Language Scholarship
- Grunthal-CMU Entrance Bursary
- P.R. & Annie Harder Memorial Bursary & Sarah Harder Bursary
- Health & Wellness Student Fund
- A & M Hildebrand Family Bursary
- Justina Hildebrand Memorial Scholarship
- Hildebrand-Klassen Memorial Fund
- Leonard & Phyllis Hooge Wiebe Leadership Scholarship
- Indigenous Student Bursary Fund
- Indspire Awards
- International Mennonite Women in Ministry Leadership Bursary
- Iranian Inter-Faith Scholarship-Bursary
- Dr. J.E. Isaac Scholarship & Educational Fund
- Martha Janzen Epp Patient Care Bursary
- Annie Janzen Bursary
- Dr. Robert Janzen Memorial Scholarship
- Verna Mae Janzen Vocal Competition Award
- Dr. Kwan Chi Kao Scholarship
- Cornelius P. & Margareta Kehler Memorial Bursary
- Peter & Susan Kehler Bursary
- David & Susan Klassen Memorial Bursary
- Otto Klassen Media Scholarship
- Jacob H. and Hilda (Lodde) Koop Music Merit Scholarship
- William & Helen Klassen Student Ministry Fund (GSTM)
- Peter Koslowsky Scholarship in Voice

<p>Henry Krahn Memorial Scholarship Ruth & Peter Kroeker Memorial Bursary/Scholarship Lethbridge Mennonite Church Bursary LGBTQ Student Fund Anne & Al Loewen Scholarship Dr. Gerhard Lohrenz Bursary Fund Manitoba Blue Cross Scholarship Program Manitoba Scholarship & Bursary Initiative W.C. Miller Collegiate – CMU Award Abundance Foundation Canada Spirit of Generosity Award Abe & Mary Martens Returning Student Leader Scholarship MCGA Manitoba Classroom Guitar Association-Music Scholarship Gertrude Mueller Memorial Music Scholarship C.C. Neufeld Memorial Bursary Olive Branch International Development Studies Scholarship Pauls Family Music Fund Pauls Music Bursary Richard Penner Arts & Science Scholarship Diedrich P. & Margareta Peters Family Scholarship Dr. Paul & Dorothy Peters Scholarship Hugo & Herta Peters Returning Student Leader Scholarship John R. & Edna P. Peters International Student Support Plan Portage Mennonite Church Leadership Scholarship (GSTM) Portage Mennonite Church Music Therapy Scholarship Eric & Lydia Ratzlaff Choral Music Scholarship Marie Ratzlaff Memorial Music Scholarships Red River Mutual Insurance Business Scholarship Redekop Bursary for MBA Students</p>	<p>H.W. Redekopp Scholarship in Theology (GSTM) Sigrid Redekopp Memorial Scholarship in Music Arthur & Helen (Wiens) Rempel Scholarship Fund Arthur & Helen Rempel Peacebuilding Bursary (MAPCD) Gary & Patricia Rempel Peacebuilding Scholarship (MAPCD) Gary R. Rempel Memorial Music Scholarship Henry Rempel Scholarship Fund Jacob A. Rempel Memorial Scholarship (GSTM) Riverton Fellowship Circle Indigenous Brusary Carole Louise Sawatzky Seminary/Graduate Studies Bursary (GSTM) Mr. & Mrs. P.M. Schmidt Memorial Bursary V.R. Schmidt Music Bursary George & Louise Schroeder Bursary Jacob & Sara Schroeder Practical Theology Scholarship Fund (GSTM) Rev. Victor J. Schroeder Memorial Scholarship (GSTM) Thiessen Family Fund for Science Students J.J. Thiessen Memorial Bursary J.B. Toews Historical Commission College Scholarship Peter & Marlies Thiessen Family Music Bursary Betty Helen Toews Memorial Bursary Vietnam War Era Memorial Scholarship in the Humanities & Social Sciences Wardina Leadership Scholarship Katherine Unruh Camp Leadership Bursary SJ Warkentin Employment Award Waseskun Canadian School of Peacebuilding Bursary Anni (Dyck) Wiebe Memorial Scholarship George & Esther Wiebe Music Bursary Philipp & Anna Wiebe Music Scholarship</p>
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Section IV: Information about Canadian Mennonite University

Accreditation and Relationship with Other Universities

Canadian Mennonite University is authorized by the Province of Manitoba to grant degrees through the Canadian Mennonite University Act. This legislation attests to the quality of the half-century record of Mennonite post-secondary institutions in Manitoba.

In Fall of 2008 CMU became a member of the Universities Canada. The association establishes principles for quality assurance of academic programs both in Canadian contexts and abroad.

Though Canada does not have a nation-wide, formal process or agency for accrediting universities, accreditation is practiced in reference to a number of factors. In general, it is based on criteria recognized by Canadian universities and colleges, such as faculty competence, accepted academic policies and procedures, standards of instruction, and standards of student achievement.

The quality and recognition of CMU's academic programs and degrees are based on the following factors:

1. The quality of its faculty, and their commitment to excellence in teaching and research. Around 85% of faculty members hold doctoral degrees from recognized institutions.
2. CMU's longstanding, formal relationships with the University of Winnipeg and the University of Manitoba. Beginning in 1964, the University of Manitoba recognized Canadian Mennonite Bible College (one of CMU's founding colleges) as an "Approved Teaching Centre." In 1970, Mennonite Brethren Bible College (later Concord College, another founding college) entered a reciprocal cross-registration arrangement with the University of Winnipeg. Menno Simons College has been affiliated with the University of Winnipeg since the establishment of the college in 1988; its programs are fully integrated with the University of Winnipeg.
3. Continued recognition of CMU courses and degrees by local universities. The University of Winnipeg and the University of Manitoba have demonstrated a continuing recognition of CMU's courses and degrees. Courses with a specifically Christian ministries focus, however, may not be recognized for transfer credit.
4. The track record of CMU students. CMU graduates are gaining admission to universities across Canada and the U.S.A. into professional and graduate schools (e.g., University of Manitoba, University of Alberta, University of Toronto, Duke University, McMaster University, and University of Edinburgh).
5. CMU's music department is a member of the Canadian University Music Society.

Faculty and Staff

Faculty

Christy Anderson, Assistant Professor of Indigenous Studies. BA (CMU), MA (Manitoba).

Jobb Arnold, Associate Professor of Conflict Resolution Studies and Psychology. BA (Hons.) (Ontario), MA (UBC), PhD (Queens).

David Balzer, Associate Professor of Communications and Media Studies. BRS (MBBC), BA (Winnipeg), MA (California State-Fresno).

Sunder John Boopalan, Associate Professor of Biblical and Theological Studies. BSc. (India), B.D (India), Th.M. (Princeton), PhD. (Princeton).

Janet Brenneman, Associate Professor of Music. MB, MM (Toronto), PhD (Michigan State).

John Brubacher, Associate Professor of Biology. BSc, MSc, (Waterloo), PhD (Manitoba).

Jerry Buckland, Professor of International Development Studies. BA (Calgary), MA (Carleton), PhD (Manitoba).

Heather Campbell-Enns, Associate Professor of Psychology. BEd, MSc, PhD (Manitoba).

Paul Doerksen, Associate Professor of Theology. BRE (Briercrest), BA, BEd (Winnipeg), MTS (Waterloo), PhD (McMaster).

Lee-Anne Dowsett, Associate Professor of Music Therapy. BMus (Brandon), BMT (Capilano), MEd (Manitoba), CCC, MTA.

Jonathan Dueck, Associate Professor of Ethnomusicology. BCM (CMBC), BA (Winnipeg), PhD (Alberta).

Jodi Dueck-Read, Assistant Professor of Conflict Resolution Studies. BA (Hons.) (Furman), MA (Eastern Mennonite University), PhD (Manitoba).

Andrew Dyck, Assistant Professor of Ministry Studies. BMR (Manitoba), MA (Eastern Mennonite Seminary), PhD (Vrije Universiteit Amsterdam).

Paul Dyck, Professor of English. Diploma (Briercrest), BEd, MA, PhD (Alberta).

Delmar Epp, Associate Professor of Psychology. BA (Hons.), MA, PhD (Manitoba).

Irma Fast Dueck, Associate Professor of Practical Theology. BA (Waterloo), MDiv (Winnipeg), ThD (Toronto).

Brian Froese, Professor of History. BA (Winnipeg), M.C.S. (Regent), PhD (Graduate Theological Union, Berkeley).

Victor Froese, Library Director. BA (Hons.) (Waterloo), MA (Wilfrid Laurier), PhD (St. Michael's), MLIS (Western Ontario).

Pierre Gilbert, Associate Professor of Biblical Studies and Theology. BRE (Providence College), MA (Providence Seminary), PhD (Montréal).

Chris K. Huebner, Associate Professor of Theology and Ethics. BTh (CMBC), BA, MA (Manitoba), PhD (Duke).

Christine Kampen Robinson, Teaching Assistant Professor of Practicum and of Social Science. BAH (Winnipeg), MA (Waterloo), PhD (Waterloo).

Sheila Klassen-Wiebe, Associate Professor of New Testament. BTh (CMBC), BA (Manitoba), MDiv (Mennonite Biblical Seminary), PhD (Union Theological Seminary, VA).

Karl Koop, Professor of History and Theology. BTh (CMBC), BA (Manitoba), MDiv (Associated Mennonite Biblical Seminaries), PhD (St. Michael's College).

Rachel Krause, Associate Professor of Biology. BSc (Hons) (British Columbia), MSc (Quebec), PhD (McGill).

Wendy Kroeker, Associate Professor of Peace and Conflict Transformation Studies. BA (Hons.) (Waterloo), MA Theology (MBBS), PhD (Manitoba).

Kenton Lobe, Teaching Assistant Professor of International Development Studies. BTh (CMBC), BA, MNRM (Manitoba).

Lynda Loewen, Teaching Assistant Professor of Psychology. BSW (Manitoba), BA (Manitoba), MMFT (Winnipeg).

Christine Longhurst, Assistant Professor of Music and Worship. BRS (MBBC), BA (Winnipeg), MMus (Southern Methodist University, TX), MSM (Perkins School of Theology, TX), DWS (Institute for Worship Studies, FL).

James Magnus-Johnston, Lecturer in Business and Political Studies. BA (Hons) (Winnipeg), MPhil (Cambridge).

Nicolas Malagon, Assistant Professor of Biology. BSc (National University of Columbia), PhD (Toronto).

Craig Martin, Assistant Professor of Business and Organizational Administration. BA (Hons.) (Waterloo), MSc, PhD (Guelph), CMA.

Anna Nekola, Associate Professor of Music. BA (St. Olaf College), MM (Wichita State), MA, PhD (University of Wisconsin).

Justin Neufeld, Teaching Assistant Professor of Philosophy. BA (Hons.) (Manitoba), MA (McMaster).

Matthew Pauls, Assistant Professor of Music. BMus. (Winnipeg), MMus. (Ontario), DMA (Ontario).

Ruth Rempel, Associate Professor of International Development Studies and History. BA (Hons.) (Manitoba), MA, PhD (Toronto).

Karen Ridd, Teaching Associate Professor of Conflict Resolution Studies. MA (Manitoba).

Timothy Rogalsky, Associate Professor of Mathematics. BRS (MBBC), BSc, MSc, PhD (Manitoba).

Jonathan Sears, Associate Professor of International Development Studies and Political Studies. BA (Hons.) (St. Thomas), MA (Brock), PhD (Queens).

Anna Snyder, Associate Professor of Conflict Resolution Studies. BA (Manchester College), MA (Notre Dame), PhD (Syracuse).

Sue Sorensen, Associate Professor of English. BA (Regina), MA, PhD (British Columbia).

Stephanie Stobbe, Associate Professor of Conflict Resolution Studies and Business. BA (British Columbia), BA (Winnipeg), MA (Antioch); PhD (Manitoba).

Ray Vander Zaag, Associate Professor of International Development Studies. BSc (Calvin College), MSc (Michigan State), MA, PhD (Carleton).

Candice Viddal, Associate Professor of Sciences. BSc (Hons.), PhD (Manitoba).

Neil Weisensel, Teaching Assistant Professor of Music. BMus (Manitoba), M. Mus. (British Columbia).

Verna Wiebe, Teaching Assistant Professor of Music, Director of Community School of Music and the Arts. BM (Perf.) (Brandon).

Michelle Yaciuk, Associate Professor of Music Therapy. BSc (Mary), MMus (Western Michigan).

Deans, Directors, and Chairs

Jobb Arnold, Program Coordinator of Master of Arts in Peacebuilding and Collaborative Development

David Balzer, Chair of Communications and Media

Sunder John Boopalan, Co-Chair of Biblical and Theological Studies and Co-Director of Graduate School of Theology and Ministry

Jonathan Dueck, Academic Dean

Jodi Dueck-Read, Director of Research Grants

Paul Dyck, Associate Dean of Faculty (to Dec. 31, 2023) and Chair of Interdisciplinary Studies

Delmar Epp, Chair of Psychology

Brian Froese, Chair of History

Chris Huebner, Chair of Philosophy, Co-Chair of Biblical and Theological Studies, and Co-Director of Graduate School of Theology and Ministry

Christin Kampen Robinson, Director of Centre for Career and Vocation and Director of Practicum

James Magnus-Johnston, Chair of Political Studies and Director of Center for Resilience

Craig Martin, Director of the Redekop School of Business

Tim Rogalsky, Chair of Science

Jonathan Sears, Associate Dean of Faculty (from Jan. 1, 2024)

Sue Sorensen, Chair of English

Ray Vander Zaag, Associate Dean of Program (including Chair of Conflict Resolution Studies, International Development Studies, and Peace and Conflict Transformation Studies)

Michelle Yaciuk, Chair of Music

Adjunct Faculty

Tim Frymire, Adjunct Professor of Biblical and Theological Studies (SPE)

Sally Ito, Adjunct Professor of English

Chenene Layne, Adjunct Professor of Biblical and Theological Studies (SPE)

Darryl Neustaedter Barg, Adjunct Professor of Communications.

Greg Wiebe, Adjunct Professor of Theology

Faculty Fellows

Joanne Moyer, Faculty Fellow in Environmental Studies

Deo Namwira, Faculty Fellow in International Development Studies and Environmental Studies

Lydia Schoepfner, Faculty Fellow in Conflict Resolution Studies

Natalia Venger, Faculty Fellow in History

Senior Scholars

Pierre Gilbert, Senior Scholar of Biblical and Theological Studies

Gordon Zerbe, Senior Scholar of Biblical and Theological Studies

President's Office

Cheryl Pauls, MDA, President

Jonathan Dueck, PhD, Vice-President Academic and Academic Dean

Sandy Koop Harder, MBA, Vice-President External

Charlie Peronto, MA, Dean of Student Life

John Unger, CPA, Vice-President of Administration and Finance

Academic Office and Library

Wesley Bergen, BCMin, Library Technician

Timothy Cruikshank, MA, Director of Estamos and Practicum Advisor

Tamara Dyck, Diploma, Library Technician

Janis Hayward, Laboratory Steward and Demonstrator

Christine Kampen Robinson, PhD, Director of the Centre for Career and Vocation and Director of Practicum.

Jennifer Kroeker, BA, Library Technician

Connor Trueman, MEd, Admissions Coordinator

Gina Loewen, MA, Coordinator of Academic Advising

Heidi Nighswander-Rempel, BA, Assistant Registrar

Stephanie Penner, MEd, Assistant Vice-President Academic for Program Development and Associate Registrar for Student Data

Jeremy Perrott, MEd, Registrar

Katie Reeves, Laboratory Steward

Valerie Smith, MDiv, Associate Registrar for Graduate Studies

Kayla Thiessen, MA, Practicum Coordinator

Greg Wiebe, PhD, Executive Coordinator, Office of the Vice-President Academic

Renee Willms, MA, Practicum Coordinator and Instructor

Student Life

Joshua Ewert, BBA, Coordinator of Sports Information and Communication

Sarah Klassen Bartel, BA, Coordinator of Financial Aid and Awards

Cara Isaak, PhD, Director of Athletics

Abraham Jember, Senior Residence Assistant

Sandra Loepky, MA, Manager of Accessibility Services and International Student Programming

Danielle Morton, BMus, Director of Student Community Life

Mackenzie Nicolle, BA Residence Director

Charlie Peronto, MA, Dean of Student Life

Lisa Richard, BAR, Coordinator of Student Advising

Diana Sanchez, BBA, Student Life Program Assistant

Ricah Ursos, MA, Coordinator of International Recruitment and Advising

River Woods, BA, MSC Academic Advisor and Student Services Coordinator

External

Danielle Bailey, MA, Assistant Director of Enrolment Information Services

Reynold Friesen, MTS, Director of Development
Carol Hutman, MSc, Manager of Donor and Alumni Relations
Josh Gingerich, BA, Admissions Counsellor
Abigail Hill, BA, Enrolment Communications Coordinator
Kevin Kilbrei, BComm (Hons), Director of Communications and Marketing
Nicolien Klassen-Wiebe, BA, Communications and Marketing Writer
Sandy Koop Harder, MBA, Vice-President External
Paul Little, Diploma, Web Developer
David Metcalfe, MA, Community Engagement Coordinator
Darryl Neustaedter Barg, BComm, Media Production Coordinator
Hilda Nikkel, BA, Development Assistant
Michelle Nguyen, MEd, Director of Enrolment Services
Judith Oatway, MM, Community School of Music and the Arts Program Coordinator
Josh Paetkau, BA, Social Media Coordinator; Communications and Marketing Coordinator, CommonWord
Jocelyn Penner, BA, Admissions Counsellor
Alyssa Sherlock, BA, Communications and Marketing Coordinator
Craig Terlson, Design Manager
Myles Tiessen, BA, Communications and Marketing Writer
Ricah Ursos, MA, Coordinator of International Recruitment and Advising
Justony Vasquez, BA, Admissions Counsellor

Finance, Food Services, and Facilities

Robert Adams, Cook
Suranga Bandulage, Cook
Richard Boyd, BA, Information Technology Administrator--AV
Alfridie Braun, Cook
Cori Braun, BA, Accounts Receivable Clerk
Krizanti Cruzado, Custodian
Anni Enns, Kitchen Assistant
Charles (David) Evans, Custodian
Arlyn Friesen-Epp, Director of CommonWord
Shelby Gaeke Franz, BBA, Accounts Receivable Clerk
Andrew Giesbrecht, BA, Hosting Manager
Simon Hamm, BA, Folio Café Manager
Andrew Hamstra, BA, Lead Maintenance Technician
Sarah Hodges-Kolisnyk, MA, MHC Gallery Director
Hildegard Kasdorf, Custodian
Helen Kim, BA, Financial Analyst
Misun Kim, BA, Payroll and Benefits Coordinator
Kara Klassen, BA, Facilities Manager
Louise Kroeker, BHEcol, Director of Food Services
Yong Sun Lee, BSc, Maintenance Technician
Julius Luna, BSc, IT Infrastructure Support Technician
Senait Meheri, Custodian
Oscar Navarro, BA, Intermediate Accountant
Anita Neufeld, Manager of CommonWord
Randy Neufeld, Certificate, Director of Operations

Charles Paetkau, Certificate, Physical Plant Manager
Lucas Redekop, CPA, Senior Financial Analyst
Ryan Rempel, LL.M., Director of Information Technology
Dianna Robson, MA, Director of Human Resources
AnaSara Rojas, BA, Administrative Assistant, CommonWord
Alec Schaefer, BA, Campus Host/Hosting Coordinator
Dianne Schmidt, Custodian
Laura Schmidt, Kitchen Assistant
Susan Schmidt, CPA, Finance Operations Consultant
Walter Schmidt, Custodian
Conrad Stoesz, MA, Archivist, Mennonite Heritage Archives
John Unger, CPA, Vice-President of Administration and Finance
Rick Unger, BSc, Maintenance Technician
Graeme Unrau, BA, Administrative Assistant, Mennonite Heritage Archives and MHC Gallery
Timothy Wenger, BA, Maintenance Technician, Grounds
Eunlee You, Cook

Institutes

Canadian School of Peacebuilding

Community School of Music and the Arts

Verna Wiebe, BM, Director
Judy Oatway, M.M., Program Coordinator

Emeriti

Irmgard Baerg, Professor Emeritus of Music. AMM, ARCT, Konzert Diplom.
William Baerg, Professor Emeritus of Music. BA, ARCT, MM, DMA.
Dietrich Bartel, Professor Emeritus of Music. BM, PhD.
John Derksen, Associate Professor Emeritus of Conflict Resolution Studies. BA (Hons.), MA, PhD.
Abe Dueck, Academic Dean Emeritus. BD, PhD.
Gerald C. Ediger, Professor Emeritus of Christian History. BA (Hons.), MEd, MDiv, ThD.
Lois Edmund, Associate Professor Emeritus of Conflict Resolution. BSc (Hons.), MA, PhD.
Adolf Ens, Professor Emeritus of History and Theology. BSc (Hons.), MSc, BD, PhD.
Daniel Epp-Tiessen, Associate Professor Emeritus of Bible. BTh, BA, MA, PhD.
John J. Friesen, Professor Emeritus of History and Theology. BCed, AB, BD, PhD.
Neil (Cornelius) Funk-Unrau, Associate Professor Emeritus of Conflict Resolution Studies. BSc (Hons.), MA, PhD.
Gerald Gerbrandt, President Emeritus and Professor Emeritus of Bible. BChrEd, AB, MDiv, PhD.
Titus Guenther, Associate Professor Emeritus of Theology and Missions. Diploma, BTh, BA, MA, PhD.
Helmut Harder, Professor Emeritus of Theology. BA, BD, MTh, ThD.
Harry Huebner, Professor Emeritus of Philosophy and Theology. BA, MA, PhD.

Waldemar Janzen, Professor Emeritus of Old Testament and German. BA, BD, MA, MTh, PhD.

Gordon Matties, Professor Emeritus of Biblical Studies and Theology. Diploma, BA, Diploma, MA, PhD.

Bernie Neufeld, Assistant Professor Emeritus of Music. AB, ARCT, MA.

John H. Neufeld, President Emeritus. BCEd, BA, MDiv, DMin.

Sig Polle, Assistant Professor Emeritus of Practical Theology. BA, BD, MA, PhD.

Paul Redekop, Associate Professor Emeritus of Conflict Resolution Studies. BA, MA, PhD.

Jarem Sawatsky, Associate Professor Emeritus of Peace and Conflict Transformation Studies. BTh, BA, MA, PhD.

Henrietta Schellenberg, Assistant Professor Emeritus of Music. Diploma, Konzert Diplom.

Rudy Schellenberg, Associate Professor Emeritus of Music. BChM, BM, MM.

V. George Shillington, Professor Emeritus of Biblical Studies and Theology. BTh, BA, MDiv, MA, PhD.

Gordon Zerbe, Professor Emeritus of New Testament. BA, MA, MA, PhD.

George D. Wiebe, Professor Emeritus of Music. BCEd, AMM, ARCT, MM, DM.

Esther Wiens, Associate Professor Emeritus of English. BRE, MA, PhD.

APPENDIX A

CMU Manitoba Grade 12 Academic Course List (subject to change)

English Courses

0014	ENGLISH: LANGUAGE & COMPOSITION AP 42S	0183	BIOLOGY IB SL 42S
0015	ENGLISH: LITERATURE & COMPOSITION AP 42S	0184	BIOLOGY IB HL 42S
0016	ENGLISH IB SL 42S	0185	CHEMISTRY IB SL 42S
0017	ENGLISH IB HL 42S	0186	CHEMISTRY IB HL 42S
0028	ELA: LANGUAGE & LITERARY FORMS 40S	0187	PHYSICS IB SL 42S
0029	ELA: LANGUAGE & TRANSACTIONAL FORMS 40S	0188	PHYSICS IB HL 42S
0030	ELA: LANG. & TECHNICAL COMMUNICATION 40S	0191	HISTORY IB SL 42S
0031	ANGLAIS : LANG. & LITERARY FORMS 40S	0192	HISTORY IB HL (AMERICAN) 42S
0032	ANGLAIS : LANG. & TRANSACTIONAL FORMS 40S	0193	HISTORY IB HL (EUROPEAN) 42S
0033	ANGLAIS : LANG. & TECHNICAL COMM. 40S	0194	DANCE 6A 40S
0035	ELA-IMMERSION : LANG. & LIT. FORMS 40S	0196	DANCE 7A 40S
0036	ELA-IMMERSION : LANG. & TRANS. FORMS 40S	0198	DANCE 8A 40S
0037	ELA-IMMERSION : LANGUAGE & TECH. COMM. 40S	0205	STUDIO ART: GENERAL PORTFOLIO AP 42S
0070	ANGLAIS : COMPREHENSIVE FOCUS 40S	0206	HISTORY OF ART AP 42S
0071	ANGLAIS : LITERARY FOCUS 40S	0212	ART DESIGN (VISUAL ARTS) IB SL 42S
0072	ANGLAIS : TRANSACTIONAL FOCUS 40S	0215	ART DESIGN IB HL 42S
0073	ELA-IMMERSION : COMPREHENSIVE FOCUS 40S	0216	STUDIO ART: DRAWING PORTFOLIO AP 42S
0074	ELA-IMMERSION : LITERARY FOCUS 40S	0239	DRAMA 1A 40S
0075	ELA-IMMERSION : TRANSACTIONAL FOCUS 40S	0242	DRAMA 2A 40S
0092	ELA: COMPREHENSIVE FOCUS 40S	0244	DRAMA 3A 40S
0093	ELA: LITERARY FOCUS 40S	0246	DRAMA 4A 40S
0094	ELA: TRANSACTIONAL FOCUS 40S	0248	DRAMA 5A 40S

Other Courses

0047	HISTORY: UNITED STATES AP 42S	0252	DRAMA 6A 40S
0048	HISTORY: EUROPEAN AP 42S	0254	DRAMA 7A 40S
0089	MATHEMATICS IB SL 42S	0256	DRAMA 8A 40S
0090	MATHEMATICS IB HL 42S	0258	MUSIC 1A 40S
0091	MATHEMATICAL METHODS IB 42S	0260	MUSIC 2A 40S
0100	LIFE/WORK TRANSITIONING 40S	0262	MUSIC 3A 40S
0103	CURRENT TOPICS IN FNMI STUDIES GR. 12 40S	0264	MUSIC 4A 40S
0106	HISTORY: WORLD AP 42S	0266	MUSIC 5A 40S
0108	STUDIO ART: 2-D DESIGN PORTFOLIO AP 42S	0268	MUSIC 6A 40S
0109	PSYCHOLOGY IB HL 42S	0270	MUSIC 7A 40S
0112	FILM STUDIES IB SL 42S	0272	MUSIC 8A 40S
0122	CHEMISTRY 40S	0274	VISUAL ARTS 1A 40S
0123	PHYSICS 40S	0276	VISUAL ARTS 2A 40S
0124	BIOLOGY 40S	0278	COMPUTER SCIENCE IB HL 42S
0132	BIOLOGY AP 42S	0279	COMPUTER SCIENCE IB SL 42S
0133	CHEMISTRY AP 42S	0280	COMPUTER SCIENCE 40S
0135	PHYSICS C AP 42S	0283	VISUAL ARTS 3A 40S
0140	INTERDISCIPLINARY TOPICS IN SCIENCES 40S	0285	VISUAL ARTS 4A 40S
0141	ENVIRONMENTAL SCIENCE AP 42S	0287	VISUAL ARTS 5A 40S
0157	DANCE IB HL 42S	0289	VISUAL ARTS 6A 40S
0158	DANCE IB SL 42S	0290	COMPUTER SCIENCE A - AP 42S
0173	SPORTS, EXERCIS. & HEALTH SCIENCES IB SL 42S	0293	VISUAL ARTS 7A 40S
0174	DANCE 1A 40S	0295	VISUAL ARTS 8A 40S
0176	DANCE 2A 40S	0297	CHINESE LANGUAGE AND CULTURE AP 42S
0178	DANCE 3A 40S	0298	PHYSICS 1 AP 42S
0180	DANCE 4A 40S	0299	PHYSICS 2 AP 42S
0182	DANCE 5A 40S	0300	EXERCISE SCIENCE 40S
		0302	SUSTAINABLE TOURISM 40S
		0306	ENVIRONMENTAL SYSTEMS & SOCIETIES IB SL 42S
		0307	MATH STUDIES IB SL 42S
		0308	MATH STUDIES IB HL 42S
		0310	ACCOUNTING SYSTEMS 40S

0311	APPLIED BUSINESS TECHNOLOGIES 40S	1001	FILIPINO: 4 YEAR PROGRAMMING 40S
0316	BUSINESS MANAGEMENT 40S	1002	GERMAN: 4 YEAR PROGRAMMING 40S
0318	ECONOMIC PRINCIPLES 40S	1005	HEBREW: 4 YEAR PROGRAMMING 40S
0323	MARKETING AND DIGITAL COMMERCE 40S	1007	ITALIAN: 4 YEAR PROGRAMMING 40S
0326	TOPICS AND TRENDS IN BUSINESS 40S	1008	POLISH: 4 YEAR PROGRAMMING 40S
0328	COMPUTER SCIENCE PRINCIPLES AP 42S	1009	PORTUGUESE: 4 YEAR PROGRAMMING 40S
0335	ENGLISH: CAPSTONE SEMINAR AP 42S	1010	PSYCHOLOGY 40S
0336	ENGLISH: CAPSTONE RESEARCH AP 42S	1011	AMERICAN SIGN LANGUAGE ARTS 40S
0350	ECONOMICS IB SL 42S	1015	CHINESE (MANDARIN): 4 YEAR PROGRAMMING 40S
0351	ECONOMICS IB HL 42S	1016	CHINESE (MANDARIN): 3 YEAR PROGRAMMING 40S
0356	PSYCHOLOGY AP 42S	1020	JAPANESE: 4 YEAR PROGRAMMING 40S
0357	STATISTICS AP 42S	1021	JAPANESE: 3 YEAR PROGRAMMING 40S
0358	MICRO-ECONOMICS AP 42S	1032	GERMAN 40S
0359	MACRO-ECONOMICS AP 42S	1033	GERMAN AP 42S
0373	INFO. TECH. IN A GLOBAL SOCIETY IB SL 42S	1034	SPANISH AP 42S
0374	INFO. TECH. IN A GLOBAL SOCIETY IB HL 42S	1045	ITALIAN 40S
0375	JAPANESE AB INITIO IB 42S	1054	LATIN 40S
0376	THEATRE ARTS IB SL 42S	1069	PORTUGUESE 40S
0377	THEATRE ARTS IB HL 42S	1070	FILIPINO 40S
0378	SPANISH AB INITIO IB 42S	1071	POLISH 40S
0381	DEUTSCH 40S	1080	SPANISH: 3 YEAR PROGRAMMING 40S
0383	AKTUELLE THEMEN DES 20 (GERMAN) 40S	1081	SPANISH: 4 YEAR PROGRAMMING 40S
0403	FRENCH: COMMUNICATION & CULTURE 40S	1082	SPANISH: 6 YEAR PROGRAMMING 40S
0410	FRENCH LANGUAGE AP 42S	1123	CINEMA AS A WITNESS TO MODERN HISTORY 40S
0411	FRENCH LITERATURE AP 42S	1126	GEOGRAPHY: WORLD HUMAN 40S
0412	FRENCH IB SL 42S	1128	GLOBAL ISSUES:CITIZENSHIP & SUSTNBLITY 40S
0413	FRENCH IB HL 42S	1136	HISTORY: WESTERN CIVILIZATION 40S
0414	FRENCH AB INITIO IB 42S	3000	ESSENTIAL MATHEMATICS 40S
0415	FRANCAIS IB HL 42S	3901	CALCULUS (AB) AP 42S
0416	FRANCAIS IB SL 42S	3902	CALCULUS (BC) AP 42S
0426	FL1 : COMMUNICATION MÉDIATIQUE 40S	3903	APPLIED MATHEMATICS 40S
0427	FL1 : LITTÉRATURES FRANCOPHONES 40S	3906	ENGLISH/CREE BILINGUAL PROGRAMMING 40S
0428	FL2-IMM.: COMMUNICATION MÉDIATIQUE 40S	3908	INTRO. TO CALCULUS & ADVANCED MATH I 40S
0429	FL2-IMM.: LITTÉRATURES FRANCOPHONES 40S	3909	ADVANCED MATHEMATICS (I & II) 40S
0431	FL1 : LANGUE ET COMMUNICATION 40S	3920	ENGLISH/UKRAINIAN BILINGUAL PR 40S
0432	FL2-IMM.: LANGUE ET COMMUNICATION 40S	3921	ENGLISH/GERMAN BILINGUAL PROGR 40S
0480	HEBREW 40S	3922	ENGLISH/HEBREW BILINGUAL PROGR 40S
0486	HUMAN ECOLOGY 40S	3939	PRE-CALCULUS MATHEMATICS 40S
0487	FAMILY STUDIES 40S	3957	MUSIC IB SL 42S
0488	TEXTILE ARTS AND DESIGN 40S	3959	MUSIC (1) AP 42S
0489	FOOD AND NUTRITION 40S	3960	MUSIC IB HL 42S
0490	ENVIRONMENTAL DESIGN 40S		OTHER LANGUAGE 40S
0491	APPLIED FAMILY STUDIES 40S		OTHER LANGUAGE 42S
0580	CANADIAN LAW 40S		OTHER LANGUAGE 41G
0606	WORLD OF RELIGIONS 40S		BIBLICAL/RELIGIOUS/MENNONITE STUDIES 41G (FROM SELECT SCHOOLS)
0900	UKRAINIAN: 12 YEAR PROGRAMMING 40S		
0901	UKRAINIAN: 4 YEAR PROGRAMMING 40S		
0902	UKRAINIAN: 3 YEAR PROGRAMMING 40S		
1000	AMERICAN SIGN LANGUAGE & DEAF CULTURE 40S		

APPENDIX B

Province Specific Admission Requirements

Province	Course and Average Requirements	English Requirement
Alberta/Northwest Territories/Nunavut	Courses: Five 30 level academic courses Average: Minimum grade of 60% in each subject	English 30-1
British Columbia/Yukon Territory	Courses: Four grade 12 academic courses Average: 70% average with minimum grade of 60% in each subject (minimum of 65% in English)	English 12 or English First People 12
New Brunswick	Courses: Six courses at the 120, 121, and 122 level Average: 65% average with minimum grade of 60% in each subject	English 121/122
Newfoundland and Labrador	Courses: Ten 3000 level credits Average: 70% average with minimum grade of 60% in each subject	English 3201
Nova Scotia	Courses: Five academic or advanced grade 12 courses Average: 70% average with a minimum of 65% in English	English 12
Ontario	Courses: Six 4U or 4M courses Average: 70% average with minimum grade of 60% in each subject (minimum of 65% in English)	English 4U
Prince Edward Island	Courses: Five grade 12 courses Average: Minimum grade of 65% in each subject	English 611 or 621
Quebec	Courses: First year CEGEP with 12 credits or Quebec Senior High School Leaving Certificate with six subjects Average: 65% or 2.0 average with a minimum of 65% in English	English 603 (2 courses)
Saskatchewan	Courses: Five 30-level academic courses Average: Minimum grade of 65% in each course	English A30 and B30



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