Academic Programs Committee of Council

University Course Challenge

Scheduled posting: **December 2025**

Date of circulation: **December 16, 2025**

Date approval is effective if no challenge received: **December 31, 2025**

Curricular and program changes approved by University Course Challenge include additions and deletions of courses, lower levels of study and program options; straightforward program changes; and curricular changes which affect other colleges.

Included are submissions for information and approval from the following colleges and schools:

College of Agriculture and Bioresources
College of Arts and Science
College of Dentistry
College of Education
College of Engineering
College of Graduate and Postdoctoral Studies
College of Kinesiology
College of Nursing
Edwards School of Business
School of Environment and Sustainability

The next scheduled posting will be **January 16, 2026** with a submission deadline of **January 13, 2026**. Urgent items can be posted on request.

Please direct challenges to both of the following: seanine.warrington@usask.ca in the Registrar's Office and danielle.rudulier@usask.ca in the Governance Office.

College of Agriculture and Bioresources – University Course Challenge December 2025

The following changes were approved through the College of Agriculture and Bioresources Undergraduate Affairs Committee and are now submitted to the University Course Challenge for approval.

Contact: Megan Loessl (megan.loessl@usask.ca)

New Courses

SLSC 450
Practical and Applied Restoration
This course provides experiential training in restoration practice as a process of applying ecology knowledge and as a process of engagement with rightsholders and stakeholders. Each stage of the restoration project life cycle will be examined through theoretical background, best practices and hands-on experience. Students will plan, implement and monitor current restoration initiatives within Saskatchewan to gain practical experience and apply concepts. Working in collaboration with local restoration practitioners, Indigenous communities and the public, students will gain a better understanding of the engagement and communication required for successful restoration. This course will be primarily held in an outdoor setting and require frequent and sustained physical activity.
Prerequisites: EVSC 380 or SLSC 350.
Note: Students with credit for SLSC 498 "Practical and Applied Restoration" will not receive credit to this course.
Weekly Hours: 3 Lecture hours and 2 Practicum/Lab hours

Rationale: This course addresses the growing need for practical restoration skills by integrating ecological theory with hands-on application and stakeholder engagement. Delivered as an outdoor field course, it provides students with experiential learning opportunities in collaboration with Indigenous communities and local practitioners, aligning with industry best practices and sustainability priorities in Saskatchewan. This course has been offered twice as SLSC 498.

RRM 222.3
Agricultural and Environmental Geomatics
An introduction to geographic information systems (GIS) focused on agricultural and environmental applications and uses. The role of GIS continues to grow in the agricultural sector across the globe from farm-level management to large-scale understanding of trends across space and time. This course introduces students to computer-based GIS software (QGIS) for data management, analysis, and map production. The course will focus on basic GIS topics and techniques including data structures, spatial data, geo-referencing, spatial statistics, and modelling. Students will gain practical experience using and collecting GIS data through experiential learning exercises.
Prerequisites: One of AGRC 111, AGRC 113, EVSC 110, or RRM 114; or completed 21 credits; or permission from instructor.

Mutually exclusive courses: GEOG 222 & RRM 398: Agricultural and Environmental Geomatics
Weekly Hours: 3 Lecture hours and 2 Practicum/Lab hours
Note: Students with credit for RRM 398 **"Agricultural and Environmental Geomatics" will** not receive credit to this course.

Rationale: Geographic information systems (GIS) have become critical tools in agriculture and environmental management, supporting applications from precision farming and soil health monitoring to large-scale analysis of environmental change. This course introduces students to GIS concepts and QGIS software through experiential learning, ensuring they develop practical skills directly relevant to agricultural and bioresources contexts. Offering a college-specific GIS course ensures alignment with the Precision Agriculture certificate and provides targeted training for agricultural and environmental applications, equipping students with a critical skill set for emerging careers in data-driven land management. This course has been offered once as RRM 398.

EVSC 400.3
Quantitative Environmental Assessment
This course provides students with the knowledge and quantitative tools required to design, evaluate, and interpret environmental assessment studies across terrestrial and aquatic systems. Students will learn to identify putative causes of environmental impacts, design experiments to evaluate these causes, and estimate and communicate how contaminant concentrations relate to adverse effects in soil-plant-animal systems and broader ecosystems. The course integrates approaches from environmental toxicology and soil science, covering test designs at organism, population, ecosystem, and landscape levels using examples from human health, ecological toxicology, and soil environmental quality disciplines. Students will gain understanding of how environmental assessment studies are designed, interpreted, and communicated across multiple environmental compartments.
Prerequisites: One of (PLSC 214, STAT 245, or STAT 246), one of (TOX 301, RRM 321, SLSC 350), and CHEM 112. It is recommended that students have one of (EVSC 210, EVSC 322, TOX 321, or SLSC 313).
Equivalent course: TOX 400
Note: This course is only open to students in the College of Agriculture and Bioresources, Toxicology Majors, and Toxicology Minors.
Weekly Hours: 3 Lecture hours

Rationale: There is an increasing demand for professionals who can evaluate environmental impacts using scientifically rigorous methods. This course fills a critical gap by providing students with the quantitative and analytical skills needed to design and interpret environmental assessments across diverse ecosystems. Its interdisciplinary approach—combining soil science and toxicology—prepares graduates to address complex environmental challenges and meet regulatory and industry standards for sustainability and risk management. This course is a revision of TOX 400 and has been reviewed and approved by the Toxicology Undergrad Committee.

ASKI 106.3
Decolonizing the Land: Indigenous histories, cultures, and relationships with the land
This course explores the complex and evolving relationships between Indigenous Peoples and land in what is now known as Canada. With a focus on land management, governance systems, and stewardship, students will critically examine how Indigenous communities have understood, shaped, and defended their territories across time. The course covers the history of Indigenous peoples in Canada while interrogating colonial land policies, treaties, land theft, environmental dispossession, and the resurgence of Indigenous land-based practices. Emphasis will be placed on Indigenous knowledge systems, legal orders, and contemporary struggles for land rights, self-determination, and environmental justice.
Mutually exclusive: INDG 107
Weekly Hours: 3 Lecture hours

Rationale: This course provides essential Indigenous perspectives on land, governance, and stewardship, supporting students' understanding of historical and contemporary relationships between Indigenous Peoples and their territories. It was developed to ensure consistent delivery of Indigenous content within the Kanawayihetaytan Askiy program and strengthening the College's commitment to Indigenous knowledge systems and land-based education.

AREC 422.3
Advanced Farm Management
This course explores current topics facing managers of farm businesses in Saskatchewan. The course will focus on managerial factors, including organizational strategy, firm growth, management of finances and risk, human capital management, and managerial succession. Students will learn through discussion and application of material, along with guest lectures from subject matter experts within and outside of Canada. Analysis will focus on for-profit firms operating within a farm and agribusiness management context.
Prerequisite: AREC 422
Prerequisite or Corequisite: AREC 322
Weekly Hours: 3 Lecture hours

Rationale: This course builds on foundational concepts introduced in AREC 222 by advancing students' understanding of farm business management to a strategic level. It addresses complex managerial challenges such as organizational growth, financial and risk management, and succession planning—skills essential for leading modern farm and agribusiness operations. By offering applied learning and expert insights, this course ensures graduates are prepared for leadership roles in an increasingly competitive and globalized agricultural sector.

AREC 423.3
Farm Management Study Tour
Innovative farm management practices are not exclusive to Canada. In this course, students will visit farm businesses in a different country to see how farm managers operating in different political, economic, and technological contexts navigate changing conditions in the search for profit and long-term success. The field tour will consist of a half-day course outlining challenges

and opportunities facing farm managers in the host country, followed by four days of tours of innovative farms, agribusiness firms, and cultural sites. Students will work on a pre-tour project identifying a specific issue facing farmers in the host country and how this differs from farmers in Canada.
Corequisite: AREC 422
Note: There are additional non-refundable costs in addition to tuition fees.

Rationale: This course provides students with a global perspective on farm management by examining how agricultural businesses operate under different political, economic, and technological conditions. Through an immersive international field experience, students gain comparative insights into innovative practices and develop critical thinking skills about global challenges and opportunities in agriculture. This experiential learning component complements AREC 422, reinforcing advanced management concepts in a real-world, cross-cultural context.

Revisions to Course Prerequisites

ANSC 315.3 — 1(3L-2P)
Animal and Poultry Nutrition

Lectures cover the principles of nutrition; the processes of digestion and utilization of foods and feeds; and the characteristics, sources, function and requirements of the various nutrients. Laboratory work includes practical nutritional exercises.
Prerequisite(s) or Corequisite(s): ~~BMSC 230.~~ BMSC 200 and successful completion of 45 credit units
Note: There are non-refundable costs in addition to tuition and fees.

Rationale: BMSC 230 is no longer considered essential foundational knowledge for ANSC 315, as BMSC 200 provides sufficient background. A 45 credit unit requirement has been added to ensure students have third-year standing or higher when enrolling in the course.

ANSC 316.3 — 1(3L-2P)
Feed Technology

This course explores the nutritional and functional properties of feed ingredients, diet formulation, feed processing technologies, regulations, quality control, feed mill management and manufacture of specialty diets. Laboratory work includes practical exercises with feed production and diet formulation. There are additional non-refundable costs in addition to tuition fees.
Prerequisite(s) or Corequisite(s): ~~BMSC 230.~~ BMSC 200 and successful completion of 45 credit units
Note: There are non-refundable costs in addition to tuition and fees.

Rationale: BMSC 230 is no longer considered essential foundational knowledge for ANSC 316, as BMSC 200 provides sufficient background. A 45 credit unit requirement has been added to ensure students have third-year standing or higher when enrolling in the course.

ANSC 430.3 — 2(3L)
Intensive Management of Beef Cattle

Covers the feeding and management of beef cattle housed under intensive conditions. Topics include the principles of growth and development, carcass quality, feedlot diseases, marketing, feedlot design and environmental concerns with intensive feedlot operations. A brief overview of production using alternative species of ruminants (deer, bison, wapiti) is also provided.
Prerequisite(s): ANSC 315 or permission of the instructor. BMSC 230 is recommended.
Note: There are non-refundable costs in addition to tuition and fees.

Rationale: BMSC 230 is being removed as a prerequisite/co-requisite for ANSC 315; however, its content remains highly beneficial for students enrolled in ANSC 430. Since BMSC 230 continues to be a required course within the ANBI/ANSC program, listing it as a recommended course will not increase enrollment beyond current levels.

ANSC 460.3 — 1(3L-4P)
Intensive Management of Dairy Cattle

Provides students with an understanding of the management and feeding of dairy cattle housed under intensive management conditions. Topics to be covered include the economics and marketing of milk and milk products, the science of feeding dairy cattle to meet their nutrient requirements, principles of ration formulation, management of the transition dairy cow, rearing of replacement heifers, milking systems, management of reproduction, herd health, and manure management and environmental impact of intensive dairy operations.
Prerequisite(s): ANSC 315 or permission of the instructor. BMSC 230 is recommended.
Note: There are non-refundable costs in addition to tuition and fees.

Rationale: BMSC 230 is being removed as a prerequisite/co-requisite for ANSC 315; however, its content remains highly beneficial for students enrolled in ANSC 460. Since BMSC 230 continues to be a required course within the ANBI/ANSC program, listing it as a recommended course will not increase enrollment beyond current levels.

PLSC 402.3 — 2(3L-2P)
Advanced Precision Agriculture
This course is the capstone course in the Precision Agriculture Certificate. It will allow students to integrate knowledge from their specific subdiscipline with real-world precision agriculture solutions to increase the sustainability and production of crops. Students will learn advanced concepts in precision agriculture and how to analyze spatial and temporal variability in crop production. They will utilize a variety of data, ranging from satellite imagery, soil topography and soil properties, to understand and develop variable rate prescriptions for crop inputs. Finally, students will apply this knowledge in diverse teams that utilize discipline-specific knowledge to solve real-world precision agriculture problems.

Prerequisite(s): PLSC 202.3, and GEOG 222.3 ~~or RRM 321.3~~ or RRM 222.3. One of PLSC 214.3, STAT 245.3 or GE 210.3 is strongly

Rationale: Adding the newly created RRM 222.3 as a prerequisite option. PLSC 402 is the capstone course for the Certificate in Precision Agriculture and RRM 222 aligns well as a building block for PLSC 402.

Revisions to Course and Program Catalogue

1. Changes to Kanwayihetaytam Askiy Certificate requirements

   Rationale: Adding ASKI 106 as an option ensures consistent delivery of Indigenous content within the Kanawayihetaytan ASKIY Certificate. This course strengthens the program by providing critical perspectives on Indigenous land governance and stewardship, supporting the College's commitment to culturally informed education.

Kanawayihetaytan Askiy
Certificate (Cert.)

Requirements

- **ASKI 101.3** Field Studies in the Environment
- **ASKI 102.3** Introduction to Legal Concepts in Resource Management
- **ASKI 103.3** Legal Process and Instruments in Resource Management
- **ASKI 104.3** Introduction to Management
- **ASKI 105.3** Economics and Planning
- **ASKI 201.3** Resource Management Project Assessment
- **INDG 107.3** Introduction to Canadian Indigenous Studies or **ASKI 106.3** Decolonizing the Land

2. Add new AREC courses to restricted elective course options in the Bachelor of Science in Agribusiness and Bachelor of Science in Agribusiness Honours programs.

   Rationale: Including AREC 422 and AREC as restricted electives strengthens the AGBS and AGBS Honours programs provides students with advanced and applied learning opportunities in farm business management.

Agribusiness
Bachelor of Science in Agribusiness [B.Sc.(Agbus.)]

Minimum Requirements for Degree (120 credit units)
Year 1 - (30 credit units)

- **AGRC 111.3** Introduction to Plant and Soil Sciences

- **AGRC 112.3** Animal Agriculture and Food Science
- **AGRC 113.3** Introduction to Agri Food Economics
- **COMM 101.3** Introduction to Business
- **ECON 111.3** Introductory Microeconomics
- **ECON 114.3** Introductory Macroeconomics
- **MATH 104.3** Elementary Calculus or **MATH 110.3** Calculus I or MATH 121.3 or **MATH 125.3** Mathematics for the Life Sciences

Note: If you excel in mathematics, you are encouraged to take **MATH 110.3** Calculus I rather than **MATH 104.3** Elementary Calculus.

English Language Writing Requirement

Choose 3 credit units from the following:

- **ANTH 302.3** The Practice of Ethnography
- **ANTH 306.3** Anthropology of Disaster and Dislocation
- **ANTH 310.3** Anthropology of Gender
- ANTH 421.3
- **CPSJ 203.3** Cultivating Humanity
- **ENG 111.3** Literature and Composition Reading Poetry
- **ENG 112.3** Literature and Composition Reading Drama
- **ENG 113.3** Literature and Composition Reading Narrative
- **ENG 114.3** Literature and Composition Reading Culture
- **ENG 120.3** Introduction to Creative Writing
- **HIST 115.3** History Matters Ideas and Culture
- **HIST 125.3** History Matters Indigenous Colonial and Post Colonial Histories
- **HIST 135.3** History Matters Gender Sex and Society
- **HIST 145.3** History Matters War Violence and Politics
- **HIST 155.3** History Matters Science and Environment
- **HIST 165.3** History Matters Health and Society

- **HIST 175.3** History Matters Identities and Communities in Transition
- **HIST 185.3** History Matters Conflict Law Politics and the State
- **HIST 193.3** History Matters Topics in Canadian History
- **HIST 194.3** History Matters Topics in European History
- **PHIL 120.3** Knowledge Mind and Existence
- **PHIL 121.3** Introduction to World Philosophies
- **PHIL 133.3** Introduction to Ethics and Values
- **PHIL 208.3** Ancient Philosophy Presocratics to Plato
- **PHIL 233.3** Ethical Theory
- **POLS 245.3** Politics of Africa
- **POLS 323.3** First Nations Policies and Programs
- **POLS 328.3** Public Policy Analysis
- **POLS 333.3** Theory and Politics of Law
- **POLS 336.3** Justice and Democracy
- **POLS 422.3** Indigenous Governance and Self Determined Sustainable Development
- **POLS 461.3** Topics in Global Politics
- **PSY 323.3** Qualitative Study of Lives and Social Practices
- **PSY 355.3** Research in Advanced Cognitive Science
- **RLST 280.3** Methodologies and Approaches to Study of Religions
- **RLST 362.3** Monsters and Mischief Makers

Choose 3 credit units from the following:

- **BIOL — 100-Level, 200-Level, 300-Level, 400-Level**
- **CHEM — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 120.3** Introduction to Global Environmental Systems or GEOG 125.3
- **GEOL — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHYS — 100-Level, 200-Level, 300-Level, 400-Level**

Choose 3 credit units from the following:
Humanities, Social Sciences, and Fine Arts Requirement
Humanities

- **CHIN — 100-Level, 200-Level, 300-Level, 400-Level**
- **CLAS — 100-Level, 200-Level, 300-Level, 400-Level**
- **CREE — 100-Level, 200-Level, 300-Level, 400-Level**
- **ENG — 100-Level, 200-Level, 300-Level, 400-Level**
- **FREN — 100-Level, 200-Level, 300-Level, 400-Level**
- **GERM — 100-Level, 200-Level, 300-Level, 400-Level**
- **HEB — 100-Level, 200-Level, 300-Level, 400-Level**
- **HIST — 100-Level, 200-Level, 300-Level, 400-Level**
- **HNDI — 100-Level, 200-Level, 300-Level, 400-Level**
- **INTS — 100-Level, 200-Level, 300-Level, 400-Level**
- **JPNS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LATN — 100-Level, 200-Level, 300-Level, 400-Level**
- **LIT — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHIL — 100-Level, 200-Level, 300-Level, 400-Level**
- **RLST — 100-Level, 200-Level, 300-Level, 400-Level**
- **RUSS — 100-Level, 200-Level, 300-Level, 400-Level**
- **SNSK — 100-Level, 200-Level, 300-Level, 400-Level**
- **SPAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **UKR — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**
- Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.
- MUS 111 is acceptable toward the Humanities requirement.

Social Sciences

- **ANTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARCH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ECON — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 130.3** Environment Health and Planning
- **INDG — 100-Level, 200-Level, 300-Level, 400-Level**
- **IS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LING — 100-Level, 200-Level, 300-Level, 400-Level**
- **PLAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **POLS — 100-Level, 200-Level, 300-Level, 400-Level**
- **PSY — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOC — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOSC — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**

Any senior-level social science course, provided the prerequisite is met. Please note that certain GEOG courses are considered Science courses. Refer to the Class Search.
Statistics courses in social sciences are not accepted for credit toward the Social Science Requirement (eg. ECON 204, PSY 233, PSY 234, SOC 225 and SOC 325).
Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.

Fine Arts

- **ART — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **DRAM — 100-Level, 200-Level, 300-Level, 400-Level**
- **MUS — 100-Level, 200-Level, 300-Level, 400-Level**

Year 2 (30 credit units)

- **AREC 222.3** Introduction to Farm Business Management
- **AREC 261.3** Agricultural Data Analytics I
- **AREC 262.3** Agricultural Data Analytics II*

- **AREC 272.3** Introduction to Agricultural Economics
- **COMM 201.3** Introduction to Financial Accounting
- **COMM 203.3** Introduction to Finance**
- **COMM 204.3** Introduction to Marketing
- **RCM 200.3** Effective Professional Communication

*Note: Students should take **AREC 261.3** Agricultural Data Analytics I in term 1 of their second year, and **AREC 262.3** Agricultural Data Analytics II in term 2 of their second year.
Note: Students take **COMM 203.3 Introduction to Finance after completing **AREC 261.3** Agricultural Data Analytics I and **MATH 104.3** Elementary Calculus (or equivalent). See your academic program advisor for the necessary permission to be entered for **COMM 203.3** Introduction to Finance.

Choose 3 credit units from the following:

- **BIOL — 100-Level, 200-Level, 300-Level, 400-Level**
- **CHEM — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 120.3** Introduction to Global Environmental Systems or **GEOG 125.3**
- **GEOL — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHYS — 100-Level, 200-Level, 300-Level, 400-Level**

Open Electives
Choose 3 credit units of Open Electives.

Years 3 and 4 (60 credit units)

- **AREC 322.3** Agricultural Finance
- **AREC 342.3** Industrial Organization of Agricultural Markets
- **AREC 343.3** Grain and Livestock Marketing
- **AREC 347.3** Agribusiness Marketing Management
- **AREC 495.3** Agribusiness Venture Management or **AREC 428.3** Case Studies in Agribusiness Management

Choose 3 credit units from the following:

Humanities, Social Sciences, and Fine Arts Requirement

Humanities

- **CHIN — 100-Level, 200-Level, 300-Level, 400-Level**
- **CLAS — 100-Level, 200-Level, 300-Level, 400-Level**
- **CREE — 100-Level, 200-Level, 300-Level, 400-Level**
- **ENG — 100-Level, 200-Level, 300-Level, 400-Level**
- **FREN — 100-Level, 200-Level, 300-Level, 400-Level**
- **GERM — 100-Level, 200-Level, 300-Level, 400-Level**
- **HEB — 100-Level, 200-Level, 300-Level, 400-Level**
- **HIST — 100-Level, 200-Level, 300-Level, 400-Level**
- **HNDI — 100-Level, 200-Level, 300-Level, 400-Level**
- **INTS — 100-Level, 200-Level, 300-Level, 400-Level**
- **JPNS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LATN — 100-Level, 200-Level, 300-Level, 400-Level**
- **LIT — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHIL — 100-Level, 200-Level, 300-Level, 400-Level**
- **RLST — 100-Level, 200-Level, 300-Level, 400-Level**
- **RUSS — 100-Level, 200-Level, 300-Level, 400-Level**
- **SNSK — 100-Level, 200-Level, 300-Level, 400-Level**
- **SPAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **UKR — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**
- Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.
- MUS 111 is acceptable toward the Humanities requirement.

Social Sciences

- **ANTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARCH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ECON — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 130.3** Environment Health and Planning
- **INDG — 100-Level, 200-Level, 300-Level, 400-Level**
- **IS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LING — 100-Level, 200-Level, 300-Level, 400-Level**
- **PLAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **POLS — 100-Level, 200-Level, 300-Level, 400-Level**
- **PSY — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOC — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOSC — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**

Any senior-level social science course, provided the prerequisite is met. Please note that certain GEOG courses are considered Science courses. Refer to the Class Search.
Statistics courses in social sciences are not accepted for credit toward the Social Science Requirement (eg. ECON 204, PSY 233, PSY 234, SOC 225 and SOC 325).
Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.

Fine Arts

- **ART — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **DRAM — 100-Level, 200-Level, 300-Level, 400-Level**
- **MUS — 100-Level, 200-Level, 300-Level, 400-Level**

Open Electives
Choose 18 credit units of Open Electives.

Restricted Electives
Choose 24 credit units of restricted electives, which may include an emphasis:

Note: Minimum 12 credit units must be at the 400-level. Maximum of 6 credit units of 400-level RCM classes may be taken to fulfill this requirement. Of the 24 credit units of restricted electives, students may take a maximum of 6 credit units of 400-level RCM classes OR **AGRC 445.3** Experiential Learning in the Workplace and 3 credit units of 400-level RCM classes.

Please choose Restricted Electives from the following:

Emphasis

Students may use their restricted electives to take courses to achieve a general level of knowledge in agribusiness and economics, or they can choose to take a more prescribed set of courses within the curriculum that gives them greater depth of knowledge in specific areas within agricultural economics and agribusiness management. To achieve this, students may choose one of three emphases as part of their restricted electives. An emphasis consists of five courses including one at the 200-level, two at the 300-level and two at the 400-level.

Farm Business Management

- **AREC 230.3** Innovation and Entrepreneurship
- **AREC 254.3** Agribusiness Taxation
- **AREC 420.3** Operations Management for Agriculture
- AREC 435.3
- **AREC 451.3** Agricultural Policy Analysis
- **COMM 211.3** Human Resource Management
- **COMM 306.3** Ethics and Strategic Decision Making
- **COMM 229.3** Personal Financial Management

Economics and Policy

- **AREC 238.3** Natural Resource Economics
- **AREC 251.3** Introduction to Agricultural Policy
- **AREC 315.3** Application of Microeconomic Theory to Agriculture
- **AREC 348.3** Food Economics and Consumer Behaviour (can be used as a 400-level restricted elective)
- **AREC 356.3** The Economics of International Agribusiness (can be used as a 400-level restricted elective)
- **AREC 445.3** Competition Regulation and Antitrust Theory and Applications
- **AREC 451.3** Agricultural Policy Analysis
- **AREC 459.3** The Economics of Agricultural Innovation
- **ECON 211.3** Intermediate Microeconomics

- **ECON 304.3** Introduction to Empirical Economics
- **ECON 350.3** Economics of Public Expenditures
- **ECON 354.3** International Trade and Commercial Policy
- **ECON 373.3** Topics in Intermediate Microeconomic Theory
- ECON 412.3
- One of **POLS 226.3** Canadian Public Policy; **POLS 305.3** Provincial Politics and Policy; **POLS 328.3** Public Policy Analysis

Agribusiness Marketing and Management

- **AREC 230.3** Innovation and Entrepreneurship
- **AREC 344.3** Follow the Grain
- **AREC 346.3** Principles of Selling
- **AREC 348.3** Food Economics and Consumer Behaviour (can be used as a 400-level restricted elective)
- **AREC 354.3** Economic Decision Analysis in Agribusiness
- **AREC 356.3** The Economics of International Agribusiness (can be used as a 400-level restricted elective)
- **AREC 420.3** Operations Management for Agriculture
- **AREC 428.3** Case Studies in Agribusiness Management or **AREC 495.3** Agribusiness Venture Management
- **AREC 440.3** Agricultural Marketing Systems
- **COMM 205.3** Introduction to Operations Management
- **COMM 211.3** Human Resource Management
- **COMM 306.3** Ethics and Strategic Decision Making
- **COMM 357.3** Marketing Research
- **COMM 495.3** Supply Chain Management
- **RCM 404.3** Leadership as Communication

Restricted Electives

Choose 24 credit units of restricted electives from the following, which may include an emphasis. Note: Minimum 12 credit units must be at the 400-level. Maximum of 6 credit units of 400-level RCM classes may be taken to fulfill this requirement. Of the 24 credit units of restricted electives, students may take a maximum of 6 credit units of 400-level RCM classes OR **AGRC 445.3** Experiential Learning in the Workplace and 3 credit units of 400-level RCM classes.

- **AGRC 445.3** Experiential Learning in the Workplace
- **AREC 220.3** History of Indigenous Agriculture in Canada
- **AREC 230.3** Innovation and Entrepreneurship
- **AREC 238.3** Natural Resource Economics

- **AREC 251.3** Introduction to Agricultural Policy
- **AREC 254.3** Agribusiness Taxation
- **AREC 315.3** Application of Microeconomic Theory to Agriculture
- **AREC 344.3** Follow the Grain
- **AREC 346.3** Principles of Selling
- **AREC 348.3** Food Economics and Consumer Behaviour (can be used as a 400-level restricted elective)
- **AREC 354.3** Economic Decision Analysis in Agribusiness
- **AREC 356.3** The Economics of International Agribusiness (can be used as a 400-level restricted elective)
- AREC 395.3
- AREC 400.3
- **AREC 420.3** Operations Management for Agriculture
- **AREC 422.3** Advanced Farm Management
- **AREC 423.3** Farm Management Study Tour
- **AREC 428.3** Case Studies in Agribusiness Management
- **AREC 430.3** Advanced Natural Resource Economics
- **AREC 432.3** Rural Development Theory and Applications
- AREC 433.3
- AREC 434.3
- AREC 435.3
- **AREC 440.3** Agricultural Marketing Systems
- **AREC 445.3** Competition Regulation and Antitrust Theory and Applications
- **AREC 451.3** Agricultural Policy Analysis
- **AREC 459.3** The Economics of Agricultural Innovation
- **AREC 495.3** Agribusiness Venture Management
- **COMM 105.3** Introduction to Organizational Behaviour
- **COMM 205.3** Introduction to Operations Management
- **COMM 210.3** Introduction to Management Accounting
- **COMM 211.3** Human Resource Management
- **COMM 229.3** Personal Financial Management
- **COMM 304.3** Introduction to Business Law
- **COMM 306.3** Ethics and Strategic Decision Making
- **COMM 340.3** Introduction to International Business
- **COMM 342.3** Organization Structure and Design
- **COMM 345.3** Business and Public Policy
- **COMM 347.3** Indigenous Business in Canada
- **COMM 354.3** Consumer Behaviour
- **COMM 357.3** Marketing Research
- **COMM 363.3** Intermediate Corporate Finance

- **COMM 368.3** Entrepreneurial Finance and Venture Capital
- **COMM 456.3** International Marketing
- **COMM 495.3** Supply Chain Management
- **ECON 211.3** Intermediate Microeconomics
- **ECON 304.3** Introduction to Empirical Economics
- **ECON 350.3** Economics of Public Expenditures
- **ECON 354.3** International Trade and Commercial Policy
- **ECON 373.3** Topics in Intermediate Microeconomic Theory
- ECON 412.2
- **PLSC 214.3** Statistical Methods
- One of **POLS 226.3** Canadian Public Policy; **POLS 305.3** Provincial Politics and Policy; **POLS 328.3** Public Policy Analysis
- **RCM 400.3** Rhetorical Theory and Practice of Persuasion
- **RCM 401.3** Oral Rhetoric
- **RCM 402.3** Interpersonal Communication and Rhetoric
- **RCM 404.3** Leadership as Communication
- **RCM 406.3** Studies in Communication Series
- **RCM 407.3** Rhetorical Editing
- **RCM 408.3** Rhetorical Composition Writing for the Public
- **RCM 409.3** Negotiation as Rhetorical Practice
- **RCM 410.3** Rhetoric of Science and Technology
- **RCM 495.3** Rhetorical Peer Mentorship
- **RRM 312.3** Natural Resource Management and Indigenous Peoples

Agribusiness
Bachelor of Science in Agribusiness - Honours [B.Sc.(Agbus.) Honours]

Minimum Requirements for Degree (120 credit units)

Admission to Honours is restricted to students having an approved Honours program, a recommendation from the supervising department, and a cumulative weighted average of 70% or better on a minimum of 60 credit units in B.Sc. (Agbus.) credited courses at the time of application. Students must officially apply for admission to an Honours program through the Office of the Dean of Agriculture and Bioresources before the start of Year Four at the latest.

Year 1 - Fall Term (15 credit units)

- **AGRC 111.3** Introduction to Plant and Soil Sciences
- **ECON 111.3** Introductory Microeconomics

Choose 3 credit units from the following:

- **ANTH 302.3** The Practice of Ethnography
- **ANTH 306.3** Anthropology of Disaster and Dislocation
- **ANTH 310.3** Anthropology of Gender
- ANTH 421.3
- **CPSJ 203.3** Cultivating Humanity
- **ENG 111.3** Literature and Composition Reading Poetry
- **ENG 112.3** Literature and Composition Reading Drama
- **ENG 113.3** Literature and Composition Reading Narrative
- **ENG 114.3** Literature and Composition Reading Culture
- **ENG 120.3** Introduction to Creative Writing
- **HIST 115.3** History Matters Ideas and Culture
- **HIST 125.3** History Matters Indigenous Colonial and Post Colonial Histories
- **HIST 135.3** History Matters Gender Sex and Society
- **HIST 145.3** History Matters War Violence and Politics
- **HIST 155.3** History Matters Science and Environment
- **HIST 165.3** History Matters Health and Society
- **HIST 175.3** History Matters Identities and Communities in Transition
- **HIST 185.3** History Matters Conflict Law Politics and the State
- **HIST 193.3** History Matters Topics in Canadian History
- **HIST 194.3** History Matters Topics in European History
- **PHIL 120.3** Knowledge Mind and Existence
- **PHIL 121.3** Introduction to World Philosophies
- **PHIL 133.3** Introduction to Ethics and Values
- **PHIL 208.3** Ancient Philosophy Presocratics to Plato
- **PHIL 233.3** Ethical Theory

- **POLS 245.3** Politics of Africa
- **POLS 323.3** First Nations Policies and Programs
- **POLS 328.3** Public Policy Analysis
- **POLS 333.3** Theory and Politics of Law
- **POLS 336.3** Justice and Democracy
- **POLS 422.3** Indigenous Governance and Self Determined Sustainable Development
- **POLS 461.3** Topics in Global Politics
- **PSY 323.3** Qualitative Study of Lives and Social Practices
- **PSY 355.3** Research in Advanced Cognitive Science
- **RLST 280.3** Methodologies and Approaches to Study of Religions
- **RLST 362.3** Monsters and Mischief Makers

Choose 3 credit units from the following:

- **BIOL — 100-Level, 200-Level, 300-Level, 400-Level**
- **CHEM — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 120.3** Introduction to Global Environmental Systems or GEOG 125.3
- **GEOL — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHYS — 100-Level, 200-Level, 300-Level, 400-Level**

Choose 3 credit units from the following:

Humanities, Social Sciences, and Fine Arts Requirement

Humanities

- **CHIN — 100-Level, 200-Level, 300-Level, 400-Level**
- **CLAS — 100-Level, 200-Level, 300-Level, 400-Level**
- **CREE — 100-Level, 200-Level, 300-Level, 400-Level**
- **ENG — 100-Level, 200-Level, 300-Level, 400-Level**
- **FREN — 100-Level, 200-Level, 300-Level, 400-Level**
- **GERM — 100-Level, 200-Level, 300-Level, 400-Level**

- **HEB — 100-Level, 200-Level, 300-Level, 400-Level**
- **HIST — 100-Level, 200-Level, 300-Level, 400-Level**
- **HNDI — 100-Level, 200-Level, 300-Level, 400-Level**
- **INTS — 100-Level, 200-Level, 300-Level, 400-Level**
- **JPNS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LATN — 100-Level, 200-Level, 300-Level, 400-Level**
- **LIT — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHIL — 100-Level, 200-Level, 300-Level, 400-Level**
- **RLST — 100-Level, 200-Level, 300-Level, 400-Level**
- **RUSS — 100-Level, 200-Level, 300-Level, 400-Level**
- **SNSK — 100-Level, 200-Level, 300-Level, 400-Level**
- **SPAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **UKR — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**
- Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.
- MUS 111 is acceptable toward the Humanities requirement.

Social Sciences

- **ANTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARCH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ECON — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 130.3** Environment Health and Planning
- **INDG — 100-Level, 200-Level, 300-Level, 400-Level**
- **IS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LING — 100-Level, 200-Level, 300-Level, 400-Level**
- **PLAN — 100-Level, 200-Level, 300-Level, 400-Level**

- **POLS — 100-Level, 200-Level, 300-Level, 400-Level**
- **PSY — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOC — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOSC — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**

Any senior-level social science course, provided the prerequisite is met. Please note that certain GEOG courses are considered Science courses. Refer to the Class Search.

Statistics courses in social sciences are not accepted for credit toward the Social Science Requirement (eg. ECON 204, PSY 233, PSY 234, SOC 225 and SOC 325).

Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.

Fine Arts

- **ART — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **DRAM — 100-Level, 200-Level, 300-Level, 400-Level**
- **MUS — 100-Level, 200-Level, 300-Level, 400-Level**

Year 1 - Winter Term (15 credit units)

- **AGRC 112.3** Animal Agriculture and Food Science
- **AGRC 113.3** Introduction to Agri Food Economics
- **ECON 114.3** Introductory Macroeconomics

Choose 3 credit units from the following:

- **BIOL — 100-Level, 200-Level, 300-Level, 400-Level**
- **CHEM — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 120.3** Introduction to Global Environmental Systems or GEOG 125.3
- **GEOL — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHYS — 100-Level, 200-Level, 300-Level, 400-Level**

Choose 3 credit units from the following:

Humanities, Social Sciences, and Fine Arts Requirement

Humanities

- **CHIN — 100-Level, 200-Level, 300-Level, 400-Level**
- **CLAS — 100-Level, 200-Level, 300-Level, 400-Level**
- **CREE — 100-Level, 200-Level, 300-Level, 400-Level**
- **ENG — 100-Level, 200-Level, 300-Level, 400-Level**
- **FREN — 100-Level, 200-Level, 300-Level, 400-Level**
- **GERM — 100-Level, 200-Level, 300-Level, 400-Level**
- **HEB — 100-Level, 200-Level, 300-Level, 400-Level**
- **HIST — 100-Level, 200-Level, 300-Level, 400-Level**
- **HNDI — 100-Level, 200-Level, 300-Level, 400-Level**
- **INTS — 100-Level, 200-Level, 300-Level, 400-Level**
- **JPNS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LATN — 100-Level, 200-Level, 300-Level, 400-Level**
- **LIT — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHIL — 100-Level, 200-Level, 300-Level, 400-Level**
- **RLST — 100-Level, 200-Level, 300-Level, 400-Level**
- **RUSS — 100-Level, 200-Level, 300-Level, 400-Level**
- **SNSK — 100-Level, 200-Level, 300-Level, 400-Level**
- **SPAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **UKR — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**
- Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.
- MUS 111 is acceptable toward the Humanities requirement.

Social Sciences

- **ANTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARCH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ECON — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 130.3** Environment Health and Planning
- **INDG — 100-Level, 200-Level, 300-Level, 400-Level**
- **IS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LING — 100-Level, 200-Level, 300-Level, 400-Level**
- **PLAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **POLS — 100-Level, 200-Level, 300-Level, 400-Level**
- **PSY — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOC — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOSC — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**

Any senior-level social science course, provided the prerequisite is met. Please note that certain GEOG courses are considered Science courses. Refer to the Class Search.

Statistics courses in social sciences are not accepted for credit toward the Social Science Requirement (eg. ECON 204, PSY 233, PSY 234, SOC 225 and SOC 325).

Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.

Fine Arts

- **ART — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **DRAM — 100-Level, 200-Level, 300-Level, 400-Level**
- **MUS — 100-Level, 200-Level, 300-Level, 400-Level**

Year 2 (30 credit units)

- **AREC 261.3** Agricultural Data Analytics I

- **AREC 262.3** Agricultural Data Analytics II
- **AREC 272.3** Introduction to Agricultural Economics
- **COMM 101.3** Introduction to Business
- **COMM 203.3** Introduction to Finance
- **COMM 204.3** Introduction to Marketing
- **ECON 211.3** Intermediate Microeconomics
- **MATH 104.3** Elementary Calculus or **MATH 110.3** Calculus I or MATH 121.3 or **MATH 125.3** Mathematics for the Life Sciences
- **RCM 200.3** Effective Professional Communication

Note: Students in this program may be required to take **ECON 211.3** Intermediate Microeconomics to meet upper year course requirements.

Note: If you excel in mathematics, you are encouraged to take **MATH 110.3** Calculus I rather than **MATH 104.3** Elementary Calculus

Open Electives

Choose 3 credit units of Open Electives.

Note: Students in this program must take **ECON 214.3** Intermediate Macroeconomics as an open or restricted elective prior to taking **ECON 408.3** Econometrics 1.

Years 3 and 4 (60 credit units)

- **AREC 315.3** Application of Microeconomic Theory to Agriculture
- **AREC 322.3** Agricultural Finance
- **AREC 342.3** Industrial Organization of Agricultural Markets
- **AREC 343.3** Grain and Livestock Marketing
- **AREC 347.3** Agribusiness Marketing Management
- **AREC 494.6** Research and Technical Writing Honours Thesis
- **AREC 495.3** Agribusiness Venture Management or **AREC 428.3** Case Studies in Agribusiness Management
- **COMM 201.3** Introduction to Financial Accounting

- **ECON 304.3** Introduction to Empirical Economics and **ECON 408.3** Econometrics 1
- **MATH 164.3** Introduction to Linear Algebra

Open Electives

Choose 6 credit units of Open Electives.

Note: Students in this program must take **ECON 214.3** Intermediate Macroeconomics as an open or restricted elective prior to taking **ECON 408.3** Econometrics 1.

Restricted Electives

Choose 18 credit units restricted electives from the following: 12 of the 18 credit units must be AREC 400-level.

- **AREC 220.3** History of Indigenous Agriculture in Canada
- **AREC 222.3** Introduction to Farm Business Management
- **AREC 230.3** Innovation and Entrepreneurship
- **AREC 238.3** Natural Resource Economics
- **AREC 251.3** Introduction to Agricultural Policy
- **AREC 254.3** Agribusiness Taxation
- **AREC 344.3** Follow the Grain
- **AREC 346.3** Principles of Selling
- **AREC 348.3** Food Economics and Consumer Behaviour (can be used as a 400-level restricted elective)
- **AREC 354.3** Economic Decision Analysis in Agribusiness
- **AREC 356.3** The Economics of International Agribusiness (can be used as a 400-level restricted elective)
- AREC 395.3
- AREC 400.3
- **AREC 420.3** Operations Management for Agriculture
- **AREC 422.3** Advanced Farm Management
- **AREC 423.3** Farm Management Study Tour

- **AREC 428.3** Case Studies in Agribusiness Management
- **AREC 430.3** Advanced Natural Resource Economics
- **AREC 432.3** Rural Development Theory and Applications
- AREC 433.3
- AREC 434.3
- AREC 435.3
- **AREC 440.3** Agricultural Marketing Systems
- **AREC 445.3** Competition Regulation and Antitrust Theory and Applications
- **AREC 451.3** Agricultural Policy Analysis
- **AREC 459.3** The Economics of Agricultural Innovation
- **AREC 495.3** Agribusiness Venture Management
- **COMM 105.3** Introduction to Organizational Behaviour
- **COMM 210.3** Introduction to Management Accounting
- **COMM 304.3** Introduction to Business Law
- **COMM 340.3** Introduction to International Business
- **COMM 342.3** Organization Structure and Design
- **COMM 345.3** Business and Public Policy
- **COMM 347.3** Indigenous Business in Canada
- **COMM 354.3** Consumer Behaviour
- **COMM 357.3** Marketing Research
- **COMM 363.3** Intermediate Corporate Finance
- **COMM 368.3** Entrepreneurial Finance and Venture Capital
- **COMM 456.3** International Marketing
- **ECON 214.3** Intermediate Macroeconomics
- **PLSC 214.3** Statistical Methods
- **RCM 400.3** Rhetorical Theory and Practice of Persuasion

- **RCM 401.3** Oral Rhetoric
- **RCM 402.3** Interpersonal Communication and Rhetoric
- **RCM 404.3** Leadership as Communication
- **RCM 406.3** Studies in Communication Series
- **RCM 407.3** Rhetorical Editing
- **RCM 408.3** Rhetorical Composition Writing for the Public
- **RCM 409.3** Negotiation as Rhetorical Practice
- **RCM 410.3** Rhetoric of Science and Technology
- **RCM 495.3** Rhetorical Peer Mentorship
- **RRM 312.3** Natural Resource Management and Indigenous Peoples

Note: Students in the AgBus B. Sc. Honours program will be required to take Econ 214.3 as an open or restricted elective prior to taking **ECON 408.3** Econometrics 1.

3. Add new courses from SLSC Department (EVSC 400, SLSC 450 and RRM 222) to program requirements for Bachelor of Science in Agriculture Soil Science major, Soil Science minor, Bachelor of Science in Agriculture Environmental Science major, and Bachelor of Science in Renewable Resource Management Resource Science major.

   Rationale: Adding EVSC 400, SLSC 450, and RRM 222 provides students with advanced analytical skills, practical field experience, and GIS training tailored to agricultural and environmental applications. These courses enhance program relevance, support experiential learning, and align with industry and program outcomes.

Soil Science
Bachelor of Science in Agriculture (B.S.A.)

Year 1 (30 credit units)
- **AGRC 110.3** Scientific Literacy and Communication for the Agricultural Sciences
- **AGRC 111.3** Introduction to Plant and Soil Sciences
- **AGRC 112.3** Animal Agriculture and Food Science
- **AGRC 113.3** Introduction to Agri Food Economics
- **AREC 220.3** History of Indigenous Agriculture in Canada or **INDG 107.3** Introduction to Canadian Indigenous Studies
- **BIOL 120.3** The Nature of Life
- **BIOL 121.3** The Diversity of Life
- **CHEM 112.3** General Chemistry I Structure Bonding and Properties of Materials

- **CHEM 250.3** Introduction to Organic Chemistry

Choose 3 credit units from the areas of Social Science, Humanities or Fine Arts.
Humanities

- **CHIN — 100-Level, 200-Level, 300-Level, 400-Level**
- **CLAS — 100-Level, 200-Level, 300-Level, 400-Level**
- **CREE — 100-Level, 200-Level, 300-Level, 400-Level**
- **ENG — 100-Level, 200-Level, 300-Level, 400-Level**
- **FREN — 100-Level, 200-Level, 300-Level, 400-Level**
- **GERM — 100-Level, 200-Level, 300-Level, 400-Level**
- **HEB — 100-Level, 200-Level, 300-Level, 400-Level**
- **HIST — 100-Level, 200-Level, 300-Level, 400-Level**
- **HNDI — 100-Level, 200-Level, 300-Level, 400-Level**
- **INTS — 100-Level, 200-Level, 300-Level, 400-Level**
- **JPNS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LATN — 100-Level, 200-Level, 300-Level, 400-Level**
- **LIT — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHIL — 100-Level, 200-Level, 300-Level, 400-Level**
- **RLST — 100-Level, 200-Level, 300-Level, 400-Level**
- **RUSS — 100-Level, 200-Level, 300-Level, 400-Level**
- **SNSK — 100-Level, 200-Level, 300-Level, 400-Level**
- **SPAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **UKR — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**
- Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.
- MUS 111 is acceptable toward the Humanities requirement.

Social Science

- **ANTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARCH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ECON — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 130.3** Environment Health and Planning
- **INDG — 100-Level, 200-Level, 300-Level, 400-Level**
- **IS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LING — 100-Level, 200-Level, 300-Level, 400-Level**
- **PLAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **POLS — 100-Level, 200-Level, 300-Level, 400-Level**
- **PSY — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOC — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOSC — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**

Any senior-level social science course, provided the prerequisite is met. Please note that certain GEOG courses are considered Science courses. Refer to the Class Search.
Statistics courses in social sciences are not accepted for credit toward the Social Science Requirement (eg. ECON 204, PSY 233, PSY 234, SOC 225 and SOC 325).
Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.

Fine Arts

- **ART — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **DRAM — 100-Level, 200-Level, 300-Level, 400-Level**
- **MUS — 100-Level, 200-Level, 300-Level, 400-Level**

Year 2 (30 credit units)

- **CHEM 231.3** Inorganic Chemistry I or **BMSC 200.3** Biomolecules
- **EVSC 210.3** Environmental Physics
- **FABS 212.3** Agrifood and Resources Microbiology OR **BMSC 210.3** Microbiology
- **MATH 104.3** Elementary Calculus or **MATH 110.3** Calculus I or **MATH 125.3** Mathematics for the Life Sciences
- **PLSC 213.3** Principles of Plant Ecology
- **SLSC 240.3** Agricultural Soil Science or **EVSC 220.3** Environmental Soil Science

English Language Writing Requirement
Choose 3 credit units from the following:

- **ANTH 302.3** The Practice of Ethnography
- **ANTH 306.3** Anthropology of Disaster and Dislocation
- **ANTH 310.3** Anthropology of Gender
- ANTH 421.3
- **CPSJ 203.3** Cultivating Humanity
- **ENG 111.3** Literature and Composition Reading Poetry
- **ENG 112.3** Literature and Composition Reading Drama
- **ENG 113.3** Literature and Composition Reading Narrative
- **ENG 114.3** Literature and Composition Reading Culture
- **ENG 120.3** Introduction to Creative Writing
- **HIST 115.3** History Matters Ideas and Culture
- **HIST 125.3** History Matters Indigenous Colonial and Post Colonial Histories
- **HIST 135.3** History Matters Gender Sex and Society
- **HIST 145.3** History Matters War Violence and Politics
- **HIST 155.3** History Matters Science and Environment
- **HIST 165.3** History Matters Health and Society
- **HIST 175.3** History Matters Identities and Communities in Transition
- **HIST 185.3** History Matters Conflict Law Politics and the State
- **HIST 193.3** History Matters Topics in Canadian History

- **HIST 194.3** History Matters Topics in European History
- **PHIL 120.3** Knowledge Mind and Existence
- **PHIL 121.3** Introduction to World Philosophies
- **PHIL 133.3** Introduction to Ethics and Values
- **PHIL 208.3** Ancient Philosophy Presocratics to Plato
- **PHIL 233.3** Ethical Theory
- **POLS 245.3** Politics of Africa
- **POLS 323.3** First Nations Policies and Programs
- **POLS 328.3** Public Policy Analysis
- **POLS 333.3** Theory and Politics of Law
- **POLS 336.3** Justice and Democracy
- **POLS 422.3** Indigenous Governance and Self Determined Sustainable Development
- **POLS 461.3** Topics in Global Politics
- **PSY 323.3** Qualitative Study of Lives and Social Practices
- **PSY 355.3** Research in Advanced Cognitive Science
- **RLST 280.3** Methodologies and Approaches to Study of Religions
- **RLST 362.3** Monsters and Mischief Makers

Open Electives
- Choose 9 credit units open electives

Years 3 & 4 (60 credit units)
- **AREC 238.3** Natural Resource Economics
- **EVSC 110.3** Renewable Resources and Environment or **GEOL 206.3** Earth Systems or **GEOG 120.3** Introduction to Global Environmental Systems
- **EVSC 202.3** Agricultural Climate Change in Saskatchewan
- **EVSC 380.3** Grassland Soils and Vegetation or **SLSC 460.3** Forest Soils or **SLSC 480.3** Soils and Boreal Landscapes or **SLSC 450.3** Practical and Applied Restoration
- **PLSC 214.3** Statistical Methods or **STAT 245.3** Introduction to Statistical Methods
- **SLSC 232.3** Soil Genesis and Classification
- **SLSC 312.3** Soil Fertility and Fertilizers
- **SLSC 313.3** Environmental Soil Chemistry
- **SLSC 322.3** Environmental Soil Physics
- **SLSC 342.3** Soil Microbiology
- **SLSC 350.3** Terrestrial Restoration

Choose 3 credit units from the following:
Selection will depend upon the student's area of interest
- **EVSC 485.3** Environmental Science Capstone Course
- **ENVS 401.3** Sustainability in Action
- **RRM 421.6** Applied Resource and Environmental Management Project (3 credit units count as restricted elective)
- **SLSC 492.3** Research and Term Paper
- **SLSC 494.6** Research and Thesis (3 credit units count as restricted elective)

Choose 3 credit units from the following:

- **PLSC 222.3** Introduction to Field Crops or **PLSC 201.3** Field Crops of Western Canada
- **PLSC 422.3** Rangeland Ecology and Management
- **PLSC 425.3** Forest Ecology

Restricted Electives

- Choose 12 credit units of electives, as approved by the Soil Science Program Advisor (may include 3 credit units of **SLSC 494.6** Research and Thesis or **RRM 421.6** Applied Resource and Environmental Management Project). Students may choose **AGRC 445.3** Experiential Learning in the Workplace if their summer work is related to Soil Science and Environmental Science. Students may also choose **RRM 321.3** Resource Data and Environmental Modeling.

Open Electives

- Choose 9 credit units open electives

Soil Science
Minor

Requirements (18 credit units)

- **SLSC 232.3** Soil Genesis and Classification
- **SLSC 240.3** Agricultural Soil Science or **EVSC 220.3** Environmental Soil Science

Choose 12 credit units from the following:

- **EVSC 203.3** Sampling and Laboratory Analysis
- **EVSC 380.3** Grassland Soils and Vegetation
- **EVSC 421.3** Contaminated Site Management and Remediation
- **RRM 215.3** Identification of Saskatchewan Plants and Soils
- **RRM 321.3** Resource Data and Environmental Modeling
- **SLSC 312.3** Soil Fertility and Fertilizers
- **SLSC 313.3** Environmental Soil Chemistry
- **SLSC 322.3** Environmental Soil Physics
- **SLSC 342.3** Soil Microbiology
- **SLSC 350.3** Terrestrial Restoration
- **SLSC 450.3** Practical and Applied Restoration
- **SLSC 444.3** Soil Ecology
- **SLSC 460.3** Forest Soils or **SLSC 480.3** Soils and Boreal Landscapes
- **SLSC 492.3** Research and Term Paper

Environmental Science
Bachelor of Science in Agriculture (B.S.A.)

Minimum Requirements for Degree (120 credit units)

Year 1 (30 credit units)

- **AGRC 110.3** Scientific Literacy and Communication for the Agricultural Sciences
- **AGRC 111.3** Introduction to Plant and Soil Sciences
- **AGRC 112.3** Animal Agriculture and Food Science
- **AGRC 113.3** Introduction to Agri Food Economics
- **AREC 220.3** History of Indigenous Agriculture in Canada or **INDG 107.3** Introduction to Canadian Indigenous Studies
- **BIOL 120.3** The Nature of Life
- **BIOL 121.3** The Diversity of Life or **EVSC 110.3** Renewable Resources and Environment
- **CHEM 112.3** General Chemistry I Structure Bonding and Properties of Materials
- **CHEM 115.3** General Chemistry II Chemical Processes or **CHEM 250.3** Introduction to Organic Chemistry

Choose 3 credit units from the areas of Social Science, Humanities or Fine Arts:

Humanities

- **CHIN — 100-Level, 200-Level, 300-Level, 400-Level**
- **CLAS — 100-Level, 200-Level, 300-Level, 400-Level**
- **CREE — 100-Level, 200-Level, 300-Level, 400-Level**
- **ENG — 100-Level, 200-Level, 300-Level, 400-Level**
- **FREN — 100-Level, 200-Level, 300-Level, 400-Level**
- **GERM — 100-Level, 200-Level, 300-Level, 400-Level**
- **HEB — 100-Level, 200-Level, 300-Level, 400-Level**
- **HIST — 100-Level, 200-Level, 300-Level, 400-Level**
- **HNDI — 100-Level, 200-Level, 300-Level, 400-Level**
- **INTS — 100-Level, 200-Level, 300-Level, 400-Level**
- **JPNS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LATN — 100-Level, 200-Level, 300-Level, 400-Level**
- **LIT — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHIL — 100-Level, 200-Level, 300-Level, 400-Level**
- **RLST — 100-Level, 200-Level, 300-Level, 400-Level**
- **RUSS — 100-Level, 200-Level, 300-Level, 400-Level**
- **SNSK — 100-Level, 200-Level, 300-Level, 400-Level**
- **SPAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **UKR — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**
- Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.
- MUS 111 is acceptable toward the Humanities requirement.

Social Sciences

- **ANTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARCH — 100-Level, 200-Level, 300-Level, 400-Level**

- **ECON — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 130.3** Environment Health and Planning
- **INDG — 100-Level, 200-Level, 300-Level, 400-Level**
- **IS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LING — 100-Level, 200-Level, 300-Level, 400-Level**
- **PLAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **POLS — 100-Level, 200-Level, 300-Level, 400-Level**
- **PSY — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOC — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOSC — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**

Any senior-level social science course, provided the prerequisite is met. Please note that certain GEOG courses are considered Science courses. Refer to the Class Search.
Statistics courses in social sciences are not accepted for credit toward the Social Science Requirement (eg. ECON 204, PSY 233, PSY 234, SOC 225 and SOC 325).
Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.

Fine Arts

- **ART — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **DRAM — 100-Level, 200-Level, 300-Level, 400-Level**
- **MUS — 100-Level, 200-Level, 300-Level, 400-Level**

Year 2 (30 credit units)

- **EVSC 203.3** Sampling and Laboratory Analysis
- **EVSC 210.3** Environmental Physics
- **EVSC 220.3** Environmental Soil Science
- **FABS 212.3** Agrifood and Resources Microbiology OR **BMSC 210.3** Microbiology
- **GEOL 206.3** Earth Systems or **GEOG 120.3** Introduction to Global Environmental Systems
- **MATH 104.3** Elementary Calculus or **MATH 110.3** Calculus I or **MATH 125.3** Mathematics for the Life Sciences
- **PLSC 213.3** Principles of Plant Ecology
- **PLSC 214.3** Statistical Methods or **STAT 245.3** Introduction to Statistical Methods

English Language Writing Requirement

Choose 3 credit units from the following:

- **ANTH 302.3** The Practice of Ethnography
- **ANTH 306.3** Anthropology of Disaster and Dislocation
- **ANTH 310.3** Anthropology of Gender
- ANTH 421.3
- **CPSJ 203.3** Cultivating Humanity
- **ENG 111.3** Literature and Composition Reading Poetry

- **ENG 112.3** Literature and Composition Reading Drama
- **ENG 113.3** Literature and Composition Reading Narrative
- **ENG 114.3** Literature and Composition Reading Culture
- **ENG 120.3** Introduction to Creative Writing
- **HIST 115.3** History Matters Ideas and Culture
- **HIST 125.3** History Matters Indigenous Colonial and Post Colonial Histories
- **HIST 135.3** History Matters Gender Sex and Society
- **HIST 145.3** History Matters War Violence and Politics
- **HIST 155.3** History Matters Science and Environment
- **HIST 165.3** History Matters Health and Society
- **HIST 175.3** History Matters Identities and Communities in Transition
- **HIST 185.3** History Matters Conflict Law Politics and the State
- **HIST 193.3** History Matters Topics in Canadian History
- **HIST 194.3** History Matters Topics in European History
- **PHIL 120.3** Knowledge Mind and Existence
- **PHIL 121.3** Introduction to World Philosophies
- **PHIL 133.3** Introduction to Ethics and Values
- **PHIL 208.3** Ancient Philosophy Presocratics to Plato
- **PHIL 233.3** Ethical Theory
- **POLS 245.3** Politics of Africa
- **POLS 323.3** First Nations Policies and Programs
- **POLS 328.3** Public Policy Analysis
- **POLS 333.3** Theory and Politics of Law
- **POLS 336.3** Justice and Democracy
- **POLS 422.3** Indigenous Governance and Self Determined Sustainable Development
- **POLS 461.3** Topics in Global Politics
- **PSY 323.3** Qualitative Study of Lives and Social Practices
- **PSY 355.3** Research in Advanced Cognitive Science
- **RLST 280.3** Methodologies and Approaches to Study of Religions
- **RLST 362.3** Monsters and Mischief Makers

Open Electives

- Choose 3 credit units open electives

Years 3 & 4 (60 credit units)

- **GEOG 222.3** Geomatics or **RRM 222.3** Agricultural and Environmental Geomatics (RRM 222.3 preferred)

Choose 3 credit units from the following:

Selection will depend upon the student's area of interest.

- **EVSC 485.3** Environmental Science Capstone Course
- **ENVS 401.3** Sustainability in Action
- **EVSC 492.3** Research and Term Paper
- **EVSC 494.6** Research and Thesis

- **RRM 421.6** Applied Resource and Environmental Management Project

Choose 3 credit units of Environmental Policy from the following:

- **AREC 238.3** Natural Resource Economics
- **ECON 275.3** Economics of Natural Resources
- **ECON 277.3** Economics of the Environment
- **GEOG 280.3** Environmental Geography

Choose 3 credit units of Environmental Risk Assessment from the following:

- **ENVE 381.3** Sustainability and Environmental Assessment
- **EVSC 400.3** Quantitative Environmental Assessment
- **GEOG 235.3** Earth Processes and Natural Hazards A Canadian Perspective
- **GEOG 386.3** Environmental Impact Assessment
- **TOX 301.3** Environmental Toxicology
- **TOX 321.3** Risk Assessment and Regulatory Toxicology

Choose 6 credit units of Environmental Quality from the following:

- **CHEM 375.3** Environmental Chemistry
- **EVSC 421.3** Contaminated Site Management and Remediation
- **GEOG 225.3** Fundamentals of Hydrology
- **GEOG 233.3** Weather and Climate
- **GEOG 325.3** River Systems
- **GEOG 333.3** Global Climate Change
- **GEOL 229.3** Introductory Geochemistry
- **SLSC 350.3** Terrestrial Restoration

Choose 3 credit units Field Courses from the following:

- **EVSC 380.3** Grassland Soils and Vegetation
- **SLSC 450.3** Practical and Applied Restoration
- **SLSC 480.3** Soils and Boreal Landscapes or **SLSC 460.3** Forest Soils

Choose 6 credit units of Agriculture and the Environment from the following:

- **ANBI 375.3** Animals and the Environment
- **ENVE 432.3** Land Management and Reclamation
- **EVSC 202.3** Agricultural Climate Change in Saskatchewan
- **PLSC 201.3** Field Crops of Western Canada or **PLSC 222.3** Introduction to Field Crops
- **PLSC 401.3** Advanced Crop Agronomy
- **PLSC 422.3** Rangeland Ecology and Management
- **PLSC 425.3** Forest Ecology
- **SLSC 312.3** Soil Fertility and Fertilizers

Choose 6 credit units from the following:

- **SLSC 232.3** Soil Genesis and Classification
- **SLSC 313.3** Environmental Soil Chemistry

- **SLSC 322.3** Environmental Soil Physics
- **SLSC 342.3** Soil Microbiology
- **SLSC 444.3** Soil Ecology

Choose 12 credit units of restricted electives:
Direct entry students are required to select a minor in one of the fields of specialization within the College or an approved cross-college minor. Completion of the minor requirements will satisfy the Restricted Electives requirement. Students transferring under a block transfer agreement with another college or institution do not require a minor but instead must take a prescribed number of courses from a list of approved restricted electives. For a list of these classes see the Block Transfer section below.

Open Electives
- Choose 15 credit units open electives

Resource Science
Bachelor of Science in Renewable Resource Management [B.Sc.(RRM)]

Minimum Requirements for Degree (120 credit units)

Students are required to achieve a 60% Cumulative Weighted Average on 120 credit units of approved courses.

Year 1 (30 credit units)
- 3 credit units open electives
- **BIOL 120.3** The Nature of Life
- **BIOL 121.3** The Diversity of Life
- **CHEM 112.3** General Chemistry I Structure Bonding and Properties of Materials
- **ECON 111.3** Introductory Microeconomics
- **EVSC 110.3** Renewable Resources and Environment
- **GEOG 120.3** Introduction to Global Environmental Systems or **GEOL 206.3** Earth Systems
- **INDG 107.3** Introduction to Canadian Indigenous Studies
- **MATH 104.3** Elementary Calculus or **MATH 110.3** Calculus I or **MATH 125.3** Mathematics for the Life Sciences
- **RRM 114.3** Introductory Resource Economics and Policy

Year 2 (30 credit units)
- 9 credit units open electives
- **AGRC 110.3** Scientific Literacy and Communication for the Agricultural Sciences or **RCM 200.3** Effective Professional Communication
- **EVSC 202.3** Agricultural Climate Change in Saskatchewan or **GEOG 233.3** Weather and Climate
- **EVSC 203.3** Sampling and Laboratory Analysis

- **GEOG 222.3** Geomatics or **RRM 222.3** Agricultural and Environmental Geomatics (RRM 222.3 preferred)
- **GEOG 280.3** Environmental Geography
- **PLSC 213.3** Principles of Plant Ecology or **BIOL 228.3** Ecology in a Changing World
- **RRM 215.3** Identification of Saskatchewan Plants and Soils

Note: Students planning to declare a Soil Science minor are advised to register in **EVSC 220.3** Environmental Soil Science or **SLSC 240.3** Agricultural Soil Science as an open elective and meet with an academic advisor as soon as possible to plan their program.

Year 3 (30 credit units)

- 6 credit units open electives
- **PLSC 214.3** Statistical Methods or **STAT 245.3** Introduction to Statistical Methods
- **RRM 301.9** Field Course in Renewable Resource Management
- **RRM 312.3** Natural Resource Management and Indigenous Peoples
- **RRM 321.3** Resource Data and Environmental Modeling
- **SLSC 232.3** Soil Genesis and Classification
- one of **GEOG 385.3** Analysis of Environmental Management and Policy Making, **GEOG 386.3** Environmental Impact Assessment or **ENVE 381.3** Sustainability and Environmental Assessment or **SLSC 350.3** Terrestrial Restoration

Note: Students in their third year Fall (T1) semester should consider taking **RRM 301.9** Field Course in Renewable Resource Management, **RRM 321.3** Resource Data and Environmental Modeling and **SLSC 232.3** Soil Genesis and Classification, if possible.

Year 4 (30 credit units)

- **EVSC 485.3** Environmental Science Capstone Course or **ENVS 401.3** Sustainability in Action
- **RRM 421.6** Applied Resource and Environmental Management Project

Choose 21 credit units of restricted electives from the following, depending on area of interest:

Indigenous Land Management

- ANTH 111.3 One World Many Peoples Introduction to Cultural Anthropology
- ANTH 329.3 Environmental Anthropology
- ASKI 202.1 Introduction to Land Management Frameworks
- ASKI 204.2 Introduction to the Duty to Consult
- COMM 347.3 Indigenous Business in Canada
- LAW 436.3 Aboriginal Law

Ecology

- AGRC 111.3 Introduction to Plant and Soil Sciences
- ANBI 375.3 Animals and the Environment
- ANBI 420.3 Comparative Animal Endocrinology
- BIOL 323.3 Plant Systematics and Evolution

- EVSC 380.3 Grassland Soils and Vegetation
- PLSC 413.3 Advanced Plant Ecology
- PLSC 418.3 Management of Arable Grassland
- PLSC 422.3 Rangeland Ecology and Management
- PLSC 425.3 Forest Ecology
- PLSC 427.3 Ecology and Management of Invasive Plants

Northern Studies

- GEOG 150.3 Introduction to the Circumpolar World
- GEOG 351.3 Northern Environments
- GEOG 380.3 Environmental Geography of the Circumpolar North

Policy

- AGRC 211.3 Global Food Security
- AREC 342.3 Industrial Organization of Agricultural Markets
- AREC 432.3 Rural Development Theory and Applications
- AREC 451.3 Agricultural Policy Analysis
- COMM 201.3 Introduction to Financial Accounting
- ECON 231.3 Co operatives
- GEOG 385.3 Analysis of Environmental Management and Policy Making
- PHIL 226.3 Environmental Philosophy
- POLS 111.3 Politics Power and Government or POLS 112.3 Justice and Injustice in Politics and Law
- POLS 225.3 Canadian Public Administration and Administrative Law
- POLS 226.3 Canadian Public Policy
- POLS 326.3 Comparative Public Policy
- POLS 328.3 Public Policy Analysis

Resource Economics Policy

- AREC 238.3 Natural Resource Economics
- AREC 315.3 Application of Microeconomic Theory to Agriculture
- AREC 430.3 Advanced Natural Resource Economics
- ECON 211.3 Intermediate Microeconomics
- ECON 275.3 Economics of Natural Resources
- ECON 277.3 Economics of the Environment

Soil Science

- EVSC 220.3 Environmental Soil Science
- EVSC 421.3 Contaminated Site Management and Remediation
- GEOG 235.3 Earth Processes and Natural Hazards A Canadian Perspective
- SLSC 312.3 Soil Fertility and Fertilizers
- SLSC 313.3 Environmental Soil Chemistry
- SLSC 322.3 Environmental Soil Physics
- SLSC 342.3 Soil Microbiology

- SLSC 350.3 Terrestrial Restoration
- SLSC 444.3 Soil Ecology
- SLSC 450.3 Practical and Applied Restoration
- SLSC 460.3 Forest Soils

Techniques

- AGRC 445.3 Experiential Learning in the Workplace
- ENVE 381.3 Sustainability and Environmental Assessment
- EVSC 400.3 Quantitative Environmental Assessment
- FABS 212.3 Agrifood and Resources Microbiology or BMSC 210.3 Microbiology
- GEOG 322.3 Geographic Information Systems
- GEOG 323.3 Remote Sensing
- GEOG 385.3 Analysis of Environmental Management and Policy Making
- GEOG 386.3 Environmental Impact Assessment

Water Science

- **BIOL 412.3** Limnology
- **BIOL 475.3** Ecological Toxicology
- **CHEM 375.3** Environmental Chemistry
- **ENVE 432.3** Land Management and Reclamation
- **GEOG 225.3** Fundamentals of Hydrology
- **GEOG 328.3** Groundwater Hydrology
- **TOX 301.3** Environmental Toxicology
- **TOX 321.3** Risk Assessment and Regulatory Toxicology

4. Program Changes to Bachelor of Science in Agricultural, Agricultural Biology and Agricultural Biology Honours programs.

   Rationale: The updates to the B.S.A. Agricultural Biology and B.S.A. Honours Agricultural Biology programs reflect a comprehensive curriculum review aimed at improving program coherence, reducing redundancy, and aligning course offerings with current disciplinary advancements and student interests. Key changes include the removal of outdated or overlapping courses, the addition of more relevant options and a streamlined structure that enhances flexibility while maintaining academic rigour. These revisions also support clearer pathways for minors (completion of a minor is required with a major in Agricultural Biology).

Agricultural Biology

~~The Agricuttural Biology program provides a comprehensive background in the biological sciences and allows students to focus on particular areas relevant to agriculture, such as biotechnology, genetics and evolution, plant pathology, plant molecular biology and wildlife ecology, through selection of appropriate restricted and open electives.~~

The Agricultural Biology program provides students with a comprehensive background in the biological sciences while also providing a grounding in agriculture and food production. Students gain a focus on areas of interest through the selection of a specific minor.

Programs

- **Bachelor of Science in Agriculture (B.S.A.) Honours - Agricultural Biology**
- **Bachelor of Science in Agriculture (B.S.A.) - Agricultural Biology**

Agricultural Biology
Bachelor of Science in Agriculture (B.S.A.)

Minimum Requirements for Degree (120 credit units)
Completion of a B.S.A. minor is required with a major in Agricultural Biology.

Year 1 (30 credit units)

- **AGRC 110.3** Scientific Literacy and Communication for the Agricultural Sciences
- **AGRC 111.3** Introduction to Plant and Soil Sciences
- **AGRC 112.3** Animal Agriculture and Food Science
- **AGRC 113.3** Introduction to Agri Food Economics
- **AREC 220.3** History of Indigenous Agriculture in Canada or **INDG 107.3** Introduction to Canadian Indigenous Studies
- **BIOL 120.3** The Nature of Life
- **BIOL 121.3** The Diversity of Life
- **CHEM 112.3** General Chemistry I Structure Bonding and Properties of Materials
- ~~**CHEM 250.3** Introduction to Organic Chemistry~~

Choose 3 credit units from the following:
ASTR – 100-Level, 200-Level
CHEM – 100-Level, 200-Level (CHEM 115.3 is recommended)
GEOL – 100-Level, 200-Level
PHYS – 100-Level, 200-Level

Choose 3 credit units from the following:
Choose 3 credit units from the areas of Social Science, Humanities or Fine Arts.
Humanities

- **CHIN — 100-Level, 200-Level, 300-Level, 400-Level**
- **CLAS — 100-Level, 200-Level, 300-Level, 400-Level**

- **CREE — 100-Level, 200-Level, 300-Level, 400-Level**
- **ENG — 100-Level, 200-Level, 300-Level, 400-Level**
- **FREN — 100-Level, 200-Level, 300-Level, 400-Level**
- **GERM — 100-Level, 200-Level, 300-Level, 400-Level**
- **HEB — 100-Level, 200-Level, 300-Level, 400-Level**
- **HIST — 100-Level, 200-Level, 300-Level, 400-Level**
- **HNDI — 100-Level, 200-Level, 300-Level, 400-Level**
- **INTS — 100-Level, 200-Level, 300-Level, 400-Level**
- **JPNS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LATN — 100-Level, 200-Level, 300-Level, 400-Level**
- **LIT — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHIL — 100-Level, 200-Level, 300-Level, 400-Level**
- **RLST — 100-Level, 200-Level, 300-Level, 400-Level**
- **RUSS — 100-Level, 200-Level, 300-Level, 400-Level**
- **SNSK — 100-Level, 200-Level, 300-Level, 400-Level**
- **SPAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **UKR — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**
- Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.
- MUS 111 is acceptable toward the Humanities requirement.

Social Sciences

- **ANTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARCH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ECON — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 130.3** Environment Health and Planning
- **INDG — 100-Level, 200-Level, 300-Level, 400-Level**

- **IS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LING — 100-Level, 200-Level, 300-Level, 400-Level**
- **PLAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **POLS — 100-Level, 200-Level, 300-Level, 400-Level**
- **PSY — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOC — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOSC — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**

Any senior-level social science course, provided the prerequisite is met. Please note that certain GEOG courses are considered Science courses. Refer to the Class Search.
Statistics courses in social sciences are not accepted for credit toward the Social Science Requirement (eg. ECON 204, PSY 233, PSY 234, SOC 225 and SOC 325).
Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.

Fine Arts

- **ART — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **DRAM — 100-Level, 200-Level, 300-Level, 400-Level**
- **MUS — 100-Level, 200-Level, 300-Level, 400-Level**

Year 2 (30 credit units)

- **BIOL 222.3** The Living Plant
- **BIOL 224.3** Animal Body Systems
- **BIOL 228.3** Ecology in a Changing World or **PLSC 213.3** Principles of Plant Ecology
- ~~**BIOL 226.3** Genes to Genomics~~
- ~~**BMSC 200.3** Biomolecules~~
- **CHEM 250.3** Introduction to Organic Chemistry
- ~~**FABS 212.3** Agrifood and Resources Microbiology or **BMSC 210.3** Microbiology~~
- **MATH 104.3** Elementary Calculus, **MATH 110.3** Calculus I or **MATH 125.3** Mathematics for the Life Sciences

- **PLSC 214.3** Statistical Methods or **STAT 245.3** Introduction to Statistical Methods
- ~~**STAT 103.3** Elementary Probability or **PHYS 115.3** Physics and the Universe~~

English Language Writing Requirement
Choose 3 credit units from the following:

- **ANTH 302.3** The Practice of Ethnography
- **ANTH 306.3** Anthropology of Disaster and Dislocation
- **ANTH 310.3** Anthropology of Gender
- ~~ANTH 421.3~~
- **CPSJ 203.3** Cultivating Humanity
- **ENG 111.3** Literature and Composition Reading Poetry
- **ENG 112.3** Literature and Composition Reading Drama
- **ENG 113.3** Literature and Composition Reading Narrative
- **ENG 114.3** Literature and Composition Reading Culture
- **ENG 120.3** Introduction to Creative Writing
- **HIST 115.3** History Matters Ideas and Culture
- **HIST 125.3** History Matters Indigenous Colonial and Post Colonial Histories
- **HIST 135.3** History Matters Gender Sex and Society
- **HIST 145.3** History Matters War Violence and Politics
- **HIST 155.3** History Matters Science and Environment
- **HIST 165.3** History Matters Health and Society
- **HIST 175.3** History Matters Identities and Communities in Transition
- **HIST 185.3** History Matters Conflict Law Politics and the State
- **HIST 193.3** History Matters Topics in Canadian History
- **HIST 194.3** History Matters Topics in European History
- **PHIL 120.3** Knowledge Mind and Existence
- **PHIL 121.3** Introduction to World Philosophies
- **PHIL 133.3** Introduction to Ethics and Values

- **PHIL 208.3** Ancient Philosophy Presocratics to Plato
- **PHIL 233.3** Ethical Theory
- **POLS 245.3** Politics of Africa
- **POLS 323.3** First Nations Policies and Programs
- **POLS 328.3** Public Policy Analysis
- **POLS 333.3** Theory and Politics of Law
- **POLS 336.3** Justice and Democracy
- **POLS 422.3** Indigenous Governance and Self Determined Sustainable Development
- **POLS 461.3** Topics in Global Politics
- **PSY 323.3** Qualitative Study of Lives and Social Practices
- **PSY 355.3** Research in Advanced Cognitive Science
- **RLST 280.3** Methodologies and Approaches to Study of Religions
- **RLST 362.3** Monsters and Mischief Makers

~~**Choose 3 credit units from the following:**~~

- ~~**BIOC — 200-Level, 300-Level, 400-Level**~~
- ~~**BMSC 230.3** Metabolism~~
- ~~**BMSC 240.3** Laboratory Techniques~~

Choose 3 credit units from the following:

- ASTR – 200-Level, 300-Level, 400-Level
- BMSC – 200-Level, 300-Level, 400-Level
- CHEM – 200-Level, 300-Level, 400-Level
- GEOL – 200-Level, 300-Level, 400-Level
- PHYS – 200-Level, 300-Level, 400-Level
- EVSC 220.3 Environmental Soil Science or SLSC 240.3 Agricultural Soil Science

Choose 3 credit units of Open Electives

Choose 3 credit units of Restricted Electives:
Students are required to complete one of the approved minors for the Bachelor of Science in Agriculture (B.S.A.) degree within the College of Agriculture and Bioresources. Completion of the minor requirements may satisfy 18 credit units of the Restricted Electives requirement. At least 12

credit units in the minor must be chosen from courses that are not specifically listed as required for the major. The additional credit units must be chosen from:

- ~~**ANBI 470.3** Applied Animal Biotechnology~~
- ~~**ANSC 313.3** Animal Breeding and Genetics~~
- ~~**ANSC 315.3** Animal and Poultry Nutrition~~
- **ANBI — 200-Level, 300-Level, 400-Level**
- **ANSC — 200-Level, 300-Level, 400-Level**
- **BIOL — 200-Level, 300-Level, 400-Level**
- **BMSC 200.3** Biomolecules
- **BMSC 230.3** Metabolism
- **EVSC — 200-Level, 300-Level, 400-Level**
- **FABS — 200-Level, 300-Level, 400-Level**
- **PLSC — 200-Level, 300-Level, 400-Level**
- **RRM — 200-Level, 300-Level, 400-Level**
- **SLSC — 200-Level, 300-Level, 400-Level**
- ~~**SLSC 232.3** Soil Genesis and Classification~~
- ~~**SLSC 240.3** Agricultural Soil Science~~
- ~~**SLSC 312.3** Soil Fertility and Fertilizers~~
- ~~**SLSC 444.3** Soil Ecology~~
- ~~**SLSC 460.3** Forest Soils~~
- ~~**VBMS 314.3** Comparative Anatomy of Domestic Animals~~
- ~~**VBMS 324.3** Animal Physiology I~~
- ~~**VBMS 325.3** Animal Physiology II~~
- ~~**VLAC 411.3** Diseases of Ruminants~~
- ~~**VTPA 412.3** Diseases of Poultry~~
- ~~Other courses as approved by the program advisor~~

Years 3 and 4 (60 credit units)

Choose 6 credit units of Ecology, Evolution, and Ecological Systems

- BIOL 302.3 Evolutionary Processes
- BIOL 323.3 Plant Systematics and Evolution
- BIOL 363.3 Population Ecology
- BIOL 373.3 Community Ecology
- BIOL 412.3 Limnology
- BIOL 470.3 Conservation Biology
- BIOL 472.3 Animal Behaviour
- BIOL 475.3 Ecological Toxicology

- PBIO 230.3 On the Origin and Life of Animals
- PLSC 413.3 Advanced Plant Ecology
- PLSC 422.3 Rangeland Ecology and Management
- PLSC 425.3 Forest Ecology
- PLSC 427.3 Ecology and Management of Invasive Plants
- PLSC 475.3 Insect Ecology
- SLSC 444.3 Soil Ecology

Choose 3 credit units of Cellular and Molecular Biology and Physiology

- BIOL 317.3 Fundamentals of Animal Physiology
- BIOL 325.3 Plant Cells and Tissues
- BIOL 326.3 Plant Development
- BIOL 331.3 Plant Physiology
- BIOL 418.3 Integrative Animal Systems Physiology
- BIOL 420.3 Molecular Biology of Plants
- BIOL 430.3 Neurobiology of Behaviour
- BIOL 440.3 Photobiology
- FABS 212.3 Agrifood and Resources Microbiology or BMSC 210.3 Microbiology
- PLSC 317.3 Plant Metabolism
- PLSC 342.3 Medicinal Plants, Agriculture and Human Health
- PLSC 405.3 Genetics of Plant Populations
- PLSC 408.3 Global Plant Genetic Resources
- PLSC 416.3 Applied Plant Biotechnology
- PLSC 417.3 Crop Physiology
- VMBS 324.3 Animal Physiology I
- VBMS 325.3 Animal Physiology II

Choose 3 credit units of Genetics

- ANSC 313.3 Animal Breeding and Genetics
- BIOL 226.3 Genes to Genomics (Recommended)

Choose 6 credit units of Production Agriculture and Food Production

- ANSC 212.3 Livestock and Poultry Production
- ANSC 301.3 Animal Production Tour
- ANSC 315.3 Animal and Poultry Nutrition
- ANSC 355.3 Sheep and Goat Management
- ANSC 410.3 Cow Calf Management
- ANSC 430.3 Intensive Management of Beef Cattle
- ANSC 440.3 Poultry Production
- ANSC 460.3 Intensive Management of Dairy Cattle
- ANSC 485.3 Swine Production and Management
- FABS 334.3 Industrial Microbiology

- FABS 362.3 Functional Foods and Nutraceuticals
- FABS 401.3 Dairy Science and Technology
- FABS 457.3 Meat Science and Technology
- FABS 493.3 Product Development
- PLSC 201.3 Field Crops of Western Canada or PLSC 222.3 Introduction to Field Crops
- PLSC 220.3 Fundamentals of Horticulture
- PLSC 235.3 Urban Agriculture
- PLSC 330.3 Ornamental Plants
- PLSC 333.3 Tropical Crops of the World
- PLSC 342.3 Medicinal Plants, Agriculture and Human Health
- PLSC 411.3 Plant Breeding
- PLSC 420.3 Grain Chemistry and Technology
- PLSC 433.3 Greenhouse Crop Production
- PLSC 441.3 Fruit Science
- PLSC 451.3 Vegetable Agronomy

Choose 6 credit units of Quantitative Thought and Analysis

- BINF 151.3 Computing in the Biological Sciences
- BINF 351.3 Introduction to Bioinformatics
- BIOL 321.3 Mathematical Modelling for Biologists
- CMPT 140.3 Introduction to Creative Computing
- CMPT 141.3 Introduction to Computer Science
- GEOG 222.3 Geomatics
- GEOG 302.3 Quantitative Methods in Geography
- GEOG 322.3 Geographic Information Systems
- GEOG 323.3 Remote Sensing
- MATH 116.3 Calculus II
- MATH 164.3 Introduction to Linear Algebra
- MATH 177.3 Advanced Calculus II
- MATH 238.3 Introduction to Differential Equations
- RRM 321.3 Resource Data and Environmental Modeling

Choose 3 credit units of Economics and Policy

- AGRC 211.3 Global Food Security
- AREC – 200-Level, 300-Level, 400-Level
- BIOL 324.3 Plants and Human Affairs
- ENVS 201.3 Foundations of Sustainability
- FABS 452.3 Quality Assurance and HACCP
- GEOG 110.3 Environmental Science and Society
- GEOG 130.3 Environment Health and Planning
- RRM 312.3 Natural Resource Management and Indigenous Peoples
- TOX 321.3 Risk Assessment and Regulatory Toxicology

Choose 6 credit units of Field/Lab Skills

- AGRC 311.3 International Study Tour
- AGRC 445.3 Experiential Learning in the Workplace
- ANBI 470.3 Applied Animal Biotechnology
- ANBI 475.3 Field Studies in Arctic Ecosystems with Indigenous Peoples
- CHEM 221.3 Analytical Chemistry I
- CHEM 322.3 Analytical Chemistry II
- EVSC 203.3 Sampling and Laboratory Analysis
- EVSC 380.3 Grassland Soils and Vegetation
- GEOL 204.3 Introduction to International Field Studies
- PLSC 382.3 Introduction to Field Scouting
- PLSC 470.3 Plant Propagation
- SLSC 460.3 Forest Soils
- SLSC 480.3 Soils and Boreal Landscapes

Choose 3 credit units Organismal Biology

- BIOL 323.3 Plant Systematics and Evolution
- BIOL 324.3 Plant and Human Affairs
- BIOL 336.3 Animal Parasitology
- BIOL 342.3 Fungi Environment and People
- BIOL 361.3 Vertebrate Biology
- BIOL 365.3 Insect Diversity and Evolution
- BIOL 437.3 Parasitic Arthropod Vector Borne Diseases
- BIOL 451.3 Ichthyology
- BIOL 455.3 Mammal Diversity and Evolution
- BIOL 458.3 Ornithology
- BIOL 472.3 Animal Behaviour
- PBIO 230.2 On the Origin and Life of Animals
- PLSC 311.3 General Apiculture

- ~~**BIOL 228.3** Ecology in a Changing World or **PLSC 213.3** Principles of Plant Ecology (**BIOL 228.3** Ecology in a Changing World is recommended for the Honours program in Agricultural Biology)~~

- ~~**BMSC 220.3** Cell Biology or **BIOL 317.3** Fundamentals of Animal Physiology or **BIOL 331.3** Plant Physiology~~

- ~~**PLSC 214.3** Statistical Methods or **STAT 245.3** Introduction to Statistical Methods~~

~~**Choose 3 credit units from the following:**~~

- ~~**BIOL 361.3** Vertebrate Biology~~

- ~~**BIOL 365.3** Insect Diversity and Evolution~~
- ~~BIOL 436.3~~
- ~~**BIOL 451.3** Ichthyology~~
- ~~**BIOL 455.3** Mammal Diversity and Evolution~~
- ~~**BIOL 458.3** Ornithology~~
- ~~**BIOL 472.3** Animal Behaviour~~

Choose 3 credit units from the following:
Selection will depend upon the student's area of interest.

- **ANSC 492.3** Literature Thesis in Animal Science
- **EVSC 492.3** Research and Term Paper
- **FABS 492.3** Literature Thesis
- **PLSC 492.3** Project Thesis in Plant Sciences
- **SLSC 492.3** Research and Term Paper

Restricted Electives (~~30~~ 21 credit units)
Direct entry students are required to select a minor in one of the fields of specialization within the College of Agriculture and Bioresources or an approved cross-college minor. Completion of the minor requirements will satisfy 18 credit units of the Restricted Electives requirement. At least 12 credit units in the minor must be courses that are not specifically listed as required for the major. The additional credit units must be chosen from:

- ~~**ANBI 470.3** Applied Animal Biotechnology~~
- ~~**ANSC 313.3** Animal Breeding and Genetics~~
- ~~**ANSC 315.3** Animal and Poultry Nutrition~~
- **ANBI — 200-Level, 300-Level, 400-Level**
- **ANSC — 200-Level, 300-Level, 400-Level**
- **BIOL — 200-Level, 300-Level, 400-Level**
- **BMSC 200.3** Biomolecules
- **BMSC 230.3** Metabolism
- **EVSC — 200-Level, 300-Level, 400-Level**
- **FABS — 200-Level, 300-Level, 400-Level**
- **PLSC — 200-Level, 300-Level, 400-Level**

- **RRM — 200-Level, 300-Level, 400-Level**
- **SLSC — 200-Level, 300-Level, 400-Level**
- ~~**SLSC 232.3** Soil Genesis and Classification~~
- ~~**SLSC 240.3** Agricultural Soil Science~~
- ~~**SLSC 312.3** Soil Fertility and Fertilizers~~
- ~~**SLSC 444.3** Soil Ecology~~
- ~~**SLSC 460.3** Forest Soils~~
- ~~**VBMS 314.3** Comparative Anatomy of Domestic Animals~~
- ~~**VBMS 324.3** Animal Physiology I~~
- ~~**VBMS 325.3** Animal Physiology II~~
- ~~**VLAC 411.3** Diseases of Ruminants~~
- ~~**VTPA 412.3** Diseases of Poultry~~
- ~~other courses as approved by the program advisor~~

~~**Open Electives**~~
~~Choose 15 credit units of open electives~~

Agricultural Biology
Bachelor of Science in Agriculture (B.S.A.) Honours

Minimum Requirements for Degree (120 credit units)
Completion of a B.S.A. minor is required with a major in Agricultural Biology.
Year 1 (30 credit units)

- **AGRC 110.3** Scientific Literacy and Communication for the Agricultural Sciences
- **AGRC 111.3** Introduction to Plant and Soil Sciences
- **AGRC 112.3** Animal Agriculture and Food Science
- **AGRC 113.3** Introduction to Agri Food Economics
- **AREC 220.3** History of Indigenous Agriculture in Canada or **INDG 107.3** Introduction to Canadian Indigenous Studies
- **BIOL 120.3** The Nature of Life
- **BIOL 121.3** The Diversity of Life

- **CHEM 112.3** General Chemistry I Structure Bonding and Properties of Materials
- ~~**CHEM 250.3** Introduction to Organic Chemistry~~

Choose 3 credit units from the following:
ASTR – 100-Level, 200-Level
CHEM – 100-Level, 200-Level (CHEM 115.3 recommended)
GEOL – 100-Level, 200-Level
PHYS – 100-Level, 200-Level

Choose 3 credit units from the following:
Choose 3 credit units from the areas of Social Science, Humanities or Fine Arts.
Humanities

- **CHIN — 100-Level, 200-Level, 300-Level, 400-Level**
- **CLAS — 100-Level, 200-Level, 300-Level, 400-Level**
- **CREE — 100-Level, 200-Level, 300-Level, 400-Level**
- **ENG — 100-Level, 200-Level, 300-Level, 400-Level**
- **FREN — 100-Level, 200-Level, 300-Level, 400-Level**
- **GERM — 100-Level, 200-Level, 300-Level, 400-Level**
- **HEB — 100-Level, 200-Level, 300-Level, 400-Level**
- **HIST — 100-Level, 200-Level, 300-Level, 400-Level**
- **HNDI — 100-Level, 200-Level, 300-Level, 400-Level**
- **INTS — 100-Level, 200-Level, 300-Level, 400-Level**
- **JPNS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LATN — 100-Level, 200-Level, 300-Level, 400-Level**
- **LIT — 100-Level, 200-Level, 300-Level, 400-Level**
- **PHIL — 100-Level, 200-Level, 300-Level, 400-Level**
- **RLST — 100-Level, 200-Level, 300-Level, 400-Level**
- **RUSS — 100-Level, 200-Level, 300-Level, 400-Level**
- **SNSK — 100-Level, 200-Level, 300-Level, 400-Level**
- **SPAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **UKR — 100-Level, 200-Level, 300-Level, 400-Level**

- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**
- Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.
- MUS 111 is acceptable toward the Humanities requirement.

Social Sciences

- **ANTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARCH — 100-Level, 200-Level, 300-Level, 400-Level**
- **ECON — 100-Level, 200-Level, 300-Level, 400-Level**
- **GEOG 130.3** Environment Health and Planning
- **INDG — 100-Level, 200-Level, 300-Level, 400-Level**
- **IS — 100-Level, 200-Level, 300-Level, 400-Level**
- **LING — 100-Level, 200-Level, 300-Level, 400-Level**
- **PLAN — 100-Level, 200-Level, 300-Level, 400-Level**
- **POLS — 100-Level, 200-Level, 300-Level, 400-Level**
- **PSY — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOC — 100-Level, 200-Level, 300-Level, 400-Level**
- **SOSC — 100-Level, 200-Level, 300-Level, 400-Level**
- **WGST — 100-Level, 200-Level, 300-Level, 400-Level**

Any senior-level social science course, provided the prerequisite is met. Please note that certain GEOG courses are considered Science courses. Refer to the Class Search.
Statistics courses in social sciences are not accepted for credit toward the Social Science Requirement (eg. ECON 204, PSY 233, PSY 234, SOC 225 and SOC 325).
Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.

Fine Arts

- **ART — 100-Level, 200-Level, 300-Level, 400-Level**
- **ARTH — 100-Level, 200-Level, 300-Level, 400-Level**
- **DRAM — 100-Level, 200-Level, 300-Level, 400-Level**
- **MUS — 100-Level, 200-Level, 300-Level, 400-Level**

Year 2 (30 credit units)

- **BIOL 222.3** The Living Plant
- **BIOL 224.3** Animal Body Systems
- **BIOL 228.3** Ecology in a Changing World or **PLSC 213.3** Principles of Plant Ecology
- ~~**BIOL 226.3** Genes to Genomics~~
- ~~**BMSC 200.3** Biomolecules~~
- **CHEM 250.3** Introduction to Organic Chemistry
- ~~**FABS 212.3** Agrifood and Resources Microbiology or **BMSC 210.3** Microbiology~~
- **MATH 104.3** Elementary Calculus, **MATH 110.3** Calculus I or **MATH 125.3** Mathematics for the Life Sciences
- **PLSC 214.3** Statistical Methods or **STAT 245.3** Introduction to Statistical Methods
- ~~**STAT 103.3** Elementary Probability or **PHYS 115.3** Physics and the Universe~~

English Language Writing Requirement
Choose 3 credit units from the following:

- **ANTH 302.3** The Practice of Ethnography
- **ANTH 306.3** Anthropology of Disaster and Dislocation
- **ANTH 310.3** Anthropology of Gender
- ~~ANTH 421.3~~
- **CPSJ 203.3** Cultivating Humanity
- **ENG 111.3** Literature and Composition Reading Poetry
- **ENG 112.3** Literature and Composition Reading Drama
- **ENG 113.3** Literature and Composition Reading Narrative
- **ENG 114.3** Literature and Composition Reading Culture
- **ENG 120.3** Introduction to Creative Writing
- **HIST 115.3** History Matters Ideas and Culture
- **HIST 125.3** History Matters Indigenous Colonial and Post Colonial Histories
- **HIST 135.3** History Matters Gender Sex and Society

- **HIST 145.3** History Matters War Violence and Politics
- **HIST 155.3** History Matters Science and Environment
- **HIST 165.3** History Matters Health and Society
- **HIST 175.3** History Matters Identities and Communities in Transition
- **HIST 185.3** History Matters Conflict Law Politics and the State
- **HIST 193.3** History Matters Topics in Canadian History
- **HIST 194.3** History Matters Topics in European History
- **PHIL 120.3** Knowledge Mind and Existence
- **PHIL 121.3** Introduction to World Philosophies
- **PHIL 133.3** Introduction to Ethics and Values
- **PHIL 208.3** Ancient Philosophy Presocratics to Plato
- **PHIL 233.3** Ethical Theory
- **POLS 245.3** Politics of Africa
- **POLS 323.3** First Nations Policies and Programs
- **POLS 328.3** Public Policy Analysis
- **POLS 333.3** Theory and Politics of Law
- **POLS 336.3** Justice and Democracy
- **POLS 422.3** Indigenous Governance and Self Determined Sustainable Development
- **POLS 461.3** Topics in Global Politics
- **PSY 323.3** Qualitative Study of Lives and Social Practices
- **PSY 355.3** Research in Advanced Cognitive Science
- **RLST 280.3** Methodologies and Approaches to Study of Religions
- **RLST 362.3** Monsters and Mischief Makers

~~**Choose 3 credit units from the following:**~~

- ~~**BIOC — 200-Level, 300-Level, 400-Level**~~
- ~~**BMSC 230.3** Metabolism~~

- ~~**BMSC 240.3** Laboratory Techniques~~

Choose 3 credit units from the following:

- ASTR – 200-Level, 300-Level, 400-Level
- BMSC – 200-Level, 300-Level, 400-Level
- CHEM – 200-Level, 300-Level, 400-Level
- GEOL – 200-Level, 300-Level, 400-Level
- PHYS – 200-Level, 300-Level, 400-Level
- EVSC 220.3 Environmental Soil Science or SLSC 240.3 Agricultural Soil Science

Choose 3 credit units of Open Electives

Choose 3 credit units of Restricted Electives:

Students are required to complete one of the approved minors for the Bachelor of Science in Agriculture (B.S.A.) degree within the College of Agriculture and Bioresources. Completion of the minor requirements may satisfy 18 credit units of the Restricted Electives requirement. At least 12 credit units in the minor must be chosen from courses that are not specifically listed as required for the major. The additional credit units must be chosen from:

- ~~**ANBI 470.3** Applied Animal Biotechnology~~
- ~~**ANSC 313.3** Animal Breeding and Genetics~~
- ~~**ANSC 315.3** Animal and Poultry Nutrition~~
- **ANBI — 200-Level, 300-Level, 400-Level**
- **ANSC — 200-Level, 300-Level, 400-Level**
- **BIOL — 200-Level, 300-Level, 400-Level**
- **BMSC 200.3** Biomolecules
- **BMSC 230.3** Metabolism
- **EVSC — 200-Level, 300-Level, 400-Level**
- **FABS — 200-Level, 300-Level, 400-Level**
- **PLSC — 200-Level, 300-Level, 400-Level**
- **RRM — 200-Level, 300-Level, 400-Level**
- **SLSC — 200-Level, 300-Level, 400-Level**
- ~~**SLSC 232.3** Soil Genesis and Classification~~
- ~~**SLSC 240.3** Agricultural Soil Science~~
- ~~**SLSC 312.3** Soil Fertility and Fertilizers~~
- ~~**SLSC 444.3** Soil Ecology~~
- ~~**SLSC 460.3** Forest Soils~~
- ~~**VBMS 314.3** Comparative Anatomy of Domestic Animals~~
- ~~**VBMS 324.3** Animal Physiology I~~
- ~~**VBMS 325.3** Animal Physiology II~~
- ~~**VLAC 411.3** Diseases of Ruminants~~

- ~~**VTPA 412.3** Diseases of Poultry~~
- ~~Other courses as approved by the program advisor~~

Years 3 and 4 (60 credit units)

Choose 6 credit units of Ecology, Evolution, and Ecological Systems

- BIOL 302.3 Evolutionary Processes
- BIOL 323.3 Plant Systematics and Evolution
- BIOL 363.3 Population Ecology
- BIOL 373.3 Community Ecology
- BIOL 412.3 Limnology
- BIOL 470.3 Conservation Biology
- BIOL 472.3 Animal Behaviour
- BIOL 475.3 Ecological Toxicology
- PBIO 230.3 On the Origin and Life of Animals
- PLSC 413.3 Advanced Plant Ecology
- PLSC 422.3 Rangeland Ecology and Management
- PLSC 425.3 Forest Ecology
- PLSC 427.3 Ecology and Management of Invasive Plants
- PLSC 475.3 Insect Ecology
- SLSC 444.3 Soil Ecology

Choose 3 credit units of Cellular and Molecular Biology and Physiology

- BIOL 317.3 Fundamentals of Animal Physiology
- BIOL 325.3 Plant Cells and Tissues
- BIOL 326.3 Plant Development
- BIOL 331.3 Plant Physiology
- BIOL 418.3 Integrative Animal Systems Physiology
- BIOL 420.3 Molecular Biology of Plants
- BIOL 430.3 Neurobiology of Behaviour
- BIOL 440.3 Photobiology
- FABS 212.3 Agrifood and Resources Microbiology or BMSC 210.3 Microbiology
- PLSC 317.3 Plant Metabolism
- PLSC 342.3 Medicinal Plants, Agriculture and Human Health
- PLSC 405.3 Genetics of Plant Populations
- PLSC 408.3 Global Plant Genetic Resources
- PLSC 416.3 Applied Plant Biotechnology
- PLSC 417.3 Crop Physiology
- VMBS 324.3 Animal Physiology I
- VBMS 325.3 Animal Physiology II

Choose 3 credit units of Genetics

- ANSC 313.3 Animal Breeding and Genetics
- BIOL 226.3 Genes to Genomics (Recommended)

Choose 6 credit units of Production Agriculture and Food Production

- ANSC 212.3 Livestock and Poultry Production
- ANSC 301.3 Animal Production Tour
- ANSC 315.3 Animal and Poultry Nutrition
- ANSC 355.3 Sheep and Goat Management
- ANSC 410.3 Cow Calf Management
- ANSC 430.3 Intensive Management of Beef Cattle
- ANSC 440.3 Poultry Production
- ANSC 460.3 Intensive Management of Dairy Cattle
- ANSC 485.3 Swine Production and Management
- FABS 334.3 Industrial Microbiology
- FABS 362.3 Functional Foods and Nutraceuticals
- FABS 401.3 Dairy Science and Technology
- FABS 457.3 Meat Science and Technology
- FABS 493.3 Product Development
- PLSC 201.3 Field Crops of Western Canada or PLSC 222.3 Introduction to Field Crops
- PLSC 220.3 Fundamentals of Horticulture
- PLSC 235.3 Urban Agriculture
- PLSC 330.3 Ornamental Plants
- PLSC 333.3 Tropical Crops of the World
- PLSC 342.3 Medicinal Plants, Agriculture and Human Health
- PLSC 411.3 Plant Breeding
- PLSC 420.3 Grain Chemistry and Technology
- PLSC 433.3 Greenhouse Crop Production
- PLSC 441.3 Fruit Science
- PLSC 451.3 Vegetable Agronomy

Choose 6 credit units of Quantitative Thought and Analysis

- BINF 151.3 Computing in the Biological Sciences
- BINF 351.3 Introduction to Bioinformatics
- BIOL 321.3 Mathematical Modelling for Biologists
- CMPT 140.3 Introduction to Creative Computing
- CMPT 141.3 Introduction to Computer Science
- GEOG 222.3 Geomatics
- GEOG 302.3 Quantitative Methods in Geography
- GEOG 322.3 Geographic Information Systems
- GEOG 323.3 Remote Sensing
- MATH 116.3 Calculus II
- MATH 164.3 Introduction to Linear Algebra

- MATH 177.3 Advanced Calculus II
- MATH 238.3 Introduction to Differential Equations
- RRM 321.3 Resource Data and Environmental Modeling

Choose 3 credit units of Economics and Policy

- AGRC 211.3 Global Food Security
- AREC – 200-Level, 300-Level, 400-Level
- BIOL 324.3 Plants and Human Affairs
- ENVS 201.3 Foundations of Sustainability
- FABS 452.3 Quality Assurance and HACCP
- GEOG 110.3 Environmental Science and Society
- GEOG 130.3 Environment Health and Planning
- RRM 312.3 Natural Resource Management and Indigenous Peoples
- TOX 321.3 Risk Assessment and Regulatory Toxicology

Choose 6 credit units of Field/Lab Skills

- AGRC 311.3 International Study Tour
- AGRC 445.3 Experiential Learning in the Workplace
- ANBI 470.3 Applied Animal Biotechnology
- ANBI 475.3 Field Studies in Arctic Ecosystems with Indigenous Peoples
- CHEM 221.3 Analytical Chemistry I
- CHEM 322.3 Analytical Chemistry II
- EVSC 203.3 Sampling and Laboratory Analysis
- EVSC 380.3 Grassland Soils and Vegetation
- GEOL 204.3 Introduction to International Field Studies
- PLSC 382.3 Introduction to Field Scouting
- PLSC 470.3 Plant Propagation
- SLSC 460.3 Forest Soils
- SLSC 480.3 Soils and Boreal Landscapes

Choose 3 credit units Organismal Biology

- BIOL 323.3 Plant Systematics and Evolution
- BIOL 324.3 Plant and Human Affairs
- BIOL 336.3 Animal Parasitology
- BIOL 342.3 Fungi Environment and People
- BIOL 361.3 Vertebrate Biology
- BIOL 365.3 Insect Diversity and Evolution
- BIOL 437.3 Parasitic Arthropod Vector Borne Diseases
- BIOL 451.3 Ichthyology
- BIOL 455.3 Mammal Diversity and Evolution
- BIOL 458.3 Ornithology
- BIOL 472.3 Animal Behaviour

- PBIO 230.2 On the Origin and Life of Animals
- PLSC 311.3 General Apiculture

- ~~**BIOL 228.3** Ecology in a Changing World or **PLSC 213.3** Principles of Plant Ecology (**BIOL 228.3** Ecology in a Changing World is recommended for the Honours program in Agricultural Biology)~~
- ~~**BMSC 220.3** Cell Biology or **BIOL 317.3** Fundamentals of Animal Physiology or **BIOL 331.3** Plant Physiology~~
- ~~**PLSC 214.3** Statistical Methods or **STAT 245.3** Introduction to Statistical Methods~~

~~**Choose 3 credit units from the following:**~~
- ~~**BIOL 361.3** Vertebrate Biology~~
- ~~**BIOL 365.3** Insect Diversity and Evolution~~
- ~~BIOL 436.3~~
- ~~**BIOL 451.3** Ichthyology~~
- ~~**BIOL 455.3** Mammal Diversity and Evolution~~
- ~~**BIOL 458.3** Ornithology~~
- ~~**BIOL 472.3** Animal Behaviour~~

Choose 6 credit units from the following:
Selection will depend upon the student's area of interest, availability of a research project, and permission of the department involved.
- **ANSC 492.3** Literature Thesis in Animal Science
- **EVSC 492.3** Research and Term Paper
- **FABS 492.3** Literature Thesis
- **PLSC 492.3** Project Thesis in Plant Sciences
- **SLSC 492.3** Research and Term Paper

~~Or one of ANSC 492.3 Literature Thesis in Animal Science, EVSC 492.3 Research and Term Paper, FABS 492.3 Literature Thesis, PLSC 492.3 Project Thesis in Plant Sciences, or SLSC 492.3 Research and Term Paper and 3 credit units at the 300-level or higher from Restricted Electives.~~
~~**Choose 9 credit units from the following:**~~
- ~~BIOL 323.3 Plant Systematics and Evolution~~

- ~~BIOL 324.3 Plants and Human Affairs~~
- ~~BIOL 342.3 Fungi Environment and People~~
- ~~BIOL 345.3 Introductory Plant Pathology~~
- ~~BIOL 365.3 Insect Diversity and Evolution~~
- ~~BIOL 420.3 Molecular Biology of Plants~~
- ~~BIOL 436.3~~
- ~~BIOL 470.3 Conservation Biology~~
- ~~BIOL 475.3 Ecological Toxicology~~

Restricted Electives (~~24~~ 18 credit units)
Students are required to complete one of the approved minors for the Bachelor of Science in Agriculture (B.S.A.) degree within the College of Agriculture and Bioresources. Completion of the minor requirements may satisfy 18 credit units of the Restricted Electives requirement. At least 12 credit units in the minor must be chosen from courses that are not specifically listed as required for the major. The additional credit units must be chosen from:

- ~~**ANBI 470.3** Applied Animal Biotechnology~~
- ~~**ANSC 313.3** Animal Breeding and Genetics~~
- ~~**ANSC 315.3** Animal and Poultry Nutrition~~
- **ANBI — 200-Level, 300-Level, 400-Level**
- **ANSC — 200-Level, 300-Level, 400-Level**
- **BIOL — 200-Level, 300-Level, 400-Level**
- **EVSC — 200-Level, 300-Level, 400-Level**
- **FABS — 200-Level, 300-Level, 400-Level**
- **PLSC — 200-Level, 300-Level, 400-Level**
- **RRM — 200-Level, 300-Level, 400-Level**
- **SLSC — 200-Level, 300-Level, 400-Level**
- ~~**SLSC 232.3** Soil Genesis and Classification~~
- ~~**SLSC 240.3** Agricultural Soil Science~~
- ~~**SLSC 312.3** Soil Fertility and Fertilizers~~

- ~~**SLSC 444.3** Soil Ecology~~
- ~~**SLSC 460.3** Forest Soils~~
- ~~**VBMS 314.3** Comparative Anatomy of Domestic Animals~~
- ~~**VBMS 324.3** Animal Physiology I~~
- ~~**VBMS 325.3** Animal Physiology II~~
- ~~**VLAC 411.3** Diseases of Ruminants~~
- ~~**VTPA 412.3** Diseases of Poultry~~
- ~~other courses as approved by the program advisor~~

~~**Open Electives**~~
~~Choose 9 credit units of open electives~~

5. Add new RRM 222 course to Certificate in Precision Agriculture

   Rationale: Including RRM 222 as an option for the geomatics requirement ensures students gain GIS skills specifically tailored to agricultural and environmental applications. This addition aligns with the certificate's focus on precision agriculture.

Precision Agriculture
Certificate (Cert.)

Certificate Requirements (18 credit units)
Required Courses (9 credit units)
- **GEOG 222.3** Geomatics or **RRM 222.3** Agricultural and Environmental Geomatics
- **PLSC 202.3** Introductory Precision Agriculture
- **PLSC 402.3** Advanced Precision Agriculture

Electives (9 credit units)
Choose **9 credit units** from the following:
- **AREC 220.3** History of Indigenous Agriculture in Canada
- **AREC 222.3** Introduction to Farm Business Management
- **AREC 272.3** Introduction to Agricultural Economics
- **AREC 315.3** Application of Microeconomic Theory to Agriculture

- **AREC 354.3** Economic Decision Analysis in Agribusiness
- ~~AREC 361.3~~ AREC 262 (course was re-labelled UCC Dec 2023)
- **AREC 420.3** Operations Management for Agriculture
- **AREC 459.3** The Economics of Agricultural Innovation
- BLE 313.3
- **CE 202.3** Spatial Analysis and Engineering Drawings
- **CE 395.3** Transportation Design Project
- **CE 319.3** Hydrology
- **CE 328.3** Fundamentals of Soil Mechanics
- **CMPT 214.3** Programming Principles and Practice
- **CMPT 317.3** Introduction to Artificial Intelligence
- CMPT 350.3
- CMPT 355.3
- **CMPT 384.3** Information Visualization
- **CMPT 423.3** Machine Learning
- **CMPT 453.3** Cloud and Mobile Computing
- **CMPT 481.3** Human Computer Interaction
- **CMPT 487.3** Image Processing and Computer Vision
- **CMPT 489.3** Deep Learning and Applications
- **GEOG 225.3** Fundamentals of Hydrology
- **GEOG 290.3** Field Methods in Hydrology
- **GEOG 302.3** Quantitative Methods in Geography
- **GEOG 322.3** Geographic Information Systems
- **GEOG 323.3** Remote Sensing
- **GEOG 423.3** Advanced Remote Sensing
- **GEOG 390.3** Methods in Hydrometeorology

- **ENVE 212.3** Physical Principles of Plant Biosystems
- **ENVE 395.3** Environmental Engineering Design Project
- **ENVE 432.3** Land Management and Reclamation
- **EVSC 220.3** Environmental Soil Science
- **ME 214.3** Introduction to Materials and Manufacturing
- **ME 229.3** Introduction to Mechanical Engineering Design
- **ME 329.3** Collaborative Design and Manufacturing
- **PLSC 201.3** Field Crops of Western Canada
- **PLSC 222.3** Introduction to Field Crops
- **PLSC 260.3** Principles of Plant Protection
- **PLSC 335.3** Field Crop Disease Management
- **PLSC 340.3** Weed Science
- **PLSC 382.3** Introduction to Field Scouting
- **PLSC 401.3** Advanced Crop Agronomy
- **PLSC 418.3** Management of Arable Grassland
- **PLSC 450.3** Applied Entomology
- **PLSC 475.3** Insect Ecology
- **SLSC 232.3** Soil Genesis and Classification
- **SLSC 240.3** Agricultural Soil Science
- **SLSC 312.3** Soil Fertility and Fertilizers
- **SLSC 322.3** Environmental Soil Physics
- **SLSC 313.3** Environmental Soil Chemistry
- **SLSC 342.3** Soil Microbiology

University Course Challenge – December 2025

The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge, and by the relevant college-level Academic Programs Committee, and are now submitted to the University Course Challenge for approval.

Contact: Alexis Dahl (alexis.dahl@usask.ca)

Anthropology

New course(s)

ANTH 451.3 Archaeology of Wood and Woodworking

1/2(3S) The purpose of this course is to acquaint students with the different holistic methods used to assess and interpret wood remains in the archaeological record. The course includes an overview of both scientific and social analyses. The first half focuses on the factors that impact wooden material survival, tree science, the identification of archaeological woods, and dendrochronology. We will then learn about different woodworking tools and techniques, and consider approaches for identifying woodworking tool marks in the material record. We will examine a selection of case studies to better understand what wooden objects can reveal about past cultures. Students will receive hands-on opportunities to examine wood anatomy using microscopy, and create and examine tool marks. Students should expect to participate fully in discussions and to present an article to their peers.
Prerequisite(s): ANTH 250.3 or ANTH 251.3.
Note: Students with credit for ARCH/ANTH 498.3 Archaeology of Wood and Woodworking may not take this course for credit.
Instructor(s): Caroline Arbuckle
Rationale: To provide students in anthropology with a holistic understanding of both the scientific and social aspects of wood analysis in archaeology. Caroline Arbuckle has taught this course twice as a special topics and both times it has been well enrolled.

ANTH 452.3 The Archaeology of Death and Burial

1/2(3L) Funerary archaeology is the study of the physical remains of funerals, burials, and associated beliefs and rituals. In this course, we consider how archaeologists and anthropologists examine and interpret the materiality and ideology of funerary rituals, the treatment of the dead, grave goods, and the religious beliefs associated with the afterlife and the remembrance of ancestors. An emphasis is placed on the history of archaeological theory and approaches to accessing and understanding these aspects of the human past. Students should expect to read and discuss a number of case studies surrounding funerary rituals and burials, as we consider how to apply theory to the material remains of ancient and modern societies as they grapple with mortality, immortalize their ancestors, and manipulate the arena of death for political and social gain.
Prerequisite(s): ANTH 250.3 or ANTH 251.3.
Instructor(s): Caroline Arbuckle
Rationale: This course will provide students with a theory driven background to approach mortuary contexts in archaeology. The course was designed in consultation with Dr. Angela Lieverse, to be offered as a complementary course to ANTH 475.3 Bioarchaeology.

Biochemistry, Microbiology and Immunology

Minor program revisions

Bachelor of Science (Biomedical Science) Honours and Four-year in Biochemistry, Microbiology and Immunology

In the M5 Major Requirement add BMIS 450.3; BIOL 302.3, 321.3 and 421.3 as restricted electives as shown below, and reflect renumbering of BIOL 436.3 to 336.3 where it appears.

Bachelor of Science (Biomedical Science) Honours [B.Sc. (BMSC) Honours] - Biochemistry, Microbiology and Immunology

M5 Major Requirement (42 credit units)

- **BMIS 340.3** Introductory Molecular Biology
- **BMIS 400.0** Seminar in Biochemistry Microbiology and Immunology
- **BMSC 320.3** Nucleic Acids From Central Dogma to Human Disease

Choose **3 credit units** from the following:

- **BMIS 310.3** Proteins and Enzymes
- **BMIS 390.3** Experimental Microbiology and Immunology

Choose **3 credit units** from the following:

- **BINF 151.3** Computing in the Biological Sciences
- **BINF 351.3** Introduction to Bioinformatics
- **CMPT 140.3** Introduction to Creative Computing

Choose **15 credit units** from the following including at least 9 credit units at the 400-level:

- **BMIS 308.3** An Introduction to Microbial Pathogens
- **BMIS 317.3** Introductory Virology
- **BMIS 319.3** Vaccinology Principles and Practice.
- **BMIS 321.3** Introduction to Immunology
- **BMIS 325.3** Fundamentals of Bacteriology
- **BMIS 380.3** Team Based Experimental Microbiology
- **BMIS 398.3** Special Topics
- **BMIS 412.3** Methods for Engineering Designer Proteins
- **BMIS 417.3** Molecular Virology
- **BMIS 423.3** Advanced Immunology
- **BMIS 425.3** Molecular Basis of Microbial Pathogenesis
- **BMIS 430.3** Biochemistry of Cancer
- **BMIS 435.3** Human Metabolism and Disease
- **BMIS 436.3** Advanced Molecular Biology
- **BMIS 450.3** Molecular Bases of Symbiosis and Microbiomes
- **BMIS 455.3** Mechanisms of Protein Function
- **BMIS 487.3** Microbial Genetic Systems
- **BMIS 489.6** Research Project in Biochemistry Microbiology and Immunology
- **BMIS 498.3** Special Topics

Choose **15 credit units** from the following:

- **BIOL 226.3** Genes to Genomics
- **BIOL 302.3** Evolutionary Processes
- **BIOL 316.3** Genetic Analysis of Eukaryotes
- **BIOL 321.3** Mathematical Modeling for Biologists
- **BIOL 331.3** Plant Physiology
- **BIOL 336.3** Animal Parasitology
- **BIOL 420.3** Molecular Biology of Plants

- **BIOL 421.3** Functional Genomics
- ~~BIOL 436.3~~ (renumbered to BIOL 336)
- CHEM 456.3
- **CHEP 350.3** Introduction to Epidemiology
- **CMPT 451.3** Modelling and Algorithms for Biological Systems
- **CPPS 302.3** Human Physiology Transport Systems
- **CPPS 303.3** Endocrinology & Human Reproduction
- **CPPS 304.3** Introduction to Pharmacology
- **CPPS 325.3** Advanced Cell Biology
- **FABS 325.3** Food Microbiology and Safety
- **FABS 334.3** Industrial Microbiology
- FABS 430.3
- FABS 450.3
- **NEUR 301.3** Fundamental Neuroscience Intercellular Communication
- **STAT 345.3** Design and Analysis of Experiments
- Any BMSC, BMIS, BIOC or MCIM course at the 300 or 400 level

Bachelor of Science (Biomedical Science) Four-year [B.Sc. (BMSC) Four-year] - Biochemistry, Microbiology and Immunology

M5 Major Requirement (36 credit units)

- **BMIS 340.3** Introductory Molecular Biology
- **BMIS 400.0** Seminar in Biochemistry Microbiology and Immunology
- **BMSC 320.3** Nucleic Acids From Central Dogma to Human Disease

Choose **3 credit units** from the following:

- **BMIS 310.3** Proteins and Enzymes
- **BMIS 390.3** Experimental Microbiology and Immunology

Choose **3 credit units** from the following:

- **BINF 151.3** Computing in the Biological Sciences
- **BINF 351.3** Introduction to Bioinformatics
- **CMPT 140.3** Introduction to Creative Computing

Choose **15 credit units** from the following including at least 9 credit units at the 400-level:

- **BMIS 308.3** An Introduction to Microbial Pathogens
- **BMIS 317.3** Introductory Virology
- **BMIS 319.3** Vaccinology Principles and Practice.
- **BMIS 321.3** Introduction to Immunology
- **BMIS 325.3** Fundamentals of Bacteriology
- **BMIS 380.3** Team Based Experimental Microbiology
- **BMIS 398.3** Special Topics
- **BMIS 412.3** Methods for Engineering Designer Proteins
- **BMIS 417.3** Molecular Virology
- **BMIS 423.3** Advanced Immunology
- **BMIS 425.3** Molecular Basis of Microbial Pathogenesis
- **BMIS 430.3** Biochemistry of Cancer
- **BMIS 435.3** Human Metabolism and Disease

- **BMIS 436.3** Advanced Molecular Biology
- **BMIS 450.3** Molecular Bases of Symbiosis and Microbiomes
- **BMIS 455.3** Mechanisms of Protein Function
- **BMIS 487.3** Microbial Genetic Systems
- **BMIS 489.6** Research Project in Biochemistry Microbiology and Immunology
- **BMIS 498.3** Special Topics

Choose **9 credit units** from the following:

- **BIOL 226.3** Genes to Genomics
- **BIOL 302.3** Evolutionary Processes
- **BIOL 316.3** Genetic Analysis of Eukaryotes
- **BIOL 321.3** Mathematical Modeling for Biologists
- **BIOL 331.3** Plant Physiology
- **BIOL 336.3** Animal Parasitology
- **BIOL 420.3** Molecular Biology of Plants
- **BIOL 421.3** Functional Genomics
- ~~BIOL 436.3~~ (renumbered to BIOL 336)
- CHEM 456.3
- **CHEP 350.3** Introduction to Epidemiology
- **CMPT 451.3** Modelling and Algorithms for Biological Systems
- **CPPS 302.3** Human Physiology Transport Systems
- **CPPS 303.3** Endocrinology & Human Reproduction
- **CPPS 304.3** Introduction to Pharmacology
- **CPPS 325.3** Advanced Cell Biology
- **FABS 325.3** Food Microbiology and Safety
- **FABS 334.3** Industrial Microbiology
- FABS 430.3
- FABS 450.3
- **NEUR 301.3** Fundamental Neuroscience Intercellular Communication
- **STAT 345.3** Design and Analysis of Experiments
- Any BMSC, BMIS, BIOC or MCIM course at the 300 or 400 level

Rationale: BMIS 450.3 was recently approved and is a relevant course for the major. The department reviewed the BIOL options and in consultation with the Department of Biology are adding relevant courses and reflecting a course renumbering.

Catholic Studies

Minor program revisions
Certificate in Catholic Studies
Add CTST 204.3, CTST 210.3 (proposed below), HIST 219.3, HIST 222.3, HIST 223.3, HIST 307.3 and SOC 233.3; remove HIST 230.3, RLST 300.3, RLST 363.3 and SOC 413.3; and simplify/reorganize the program requirements, add CTST 204.3, CTST 210.3

Catholic Studies
Requirements (18 credit units)

The certificate may be completed in conjunction with any degree in another subject area in the College of Arts and Science.

- ~~**RLST 112.3** Western Religions in Society and Culture~~
- ~~**RLST 314.3** Issues in Catholicism~~
- **CTST 200.3** Introduction to Catholic Studies

Choose **3 credit units** from the following:

- **CTST 204.3** Field School in Indigenous Catholic Relations
- **CTST 210.3** Catholic Imagination in the Arts

Choose **12 credit units** from the following:

- **ARTH 306.3** Medieval Art and Architecture
- **CMRS 111.3** Medieval and Renaissance Civilization
- **CPSJ 203.3** Cultivating Humanity
- **CPSJ 400.3** Critical Perspectives on Social Justice and the Common Good
- **CTST 204.3** Field School in Indigenous Catholic Relations
- **CTST 210.3** Catholic Imagination in the Arts
- DRAM 303.3
- ~~ENG 293.3~~ (closed course)
- **ENG 311.3** The Canterbury Tales
- **ENG 314.3** Early British Drama
- **ENG 316.3** Middle English Literature of Defiance and Dissent
- HIST 202.3
- **HIST 205.3** Medieval Europe 1000 to 1400
- **HIST 211.3** Martyrs Mystics and Madmen Making the Medieval Saint
- **HIST 217.3** The Later Roman Empire Crisis and Continuity from Constantine to Justinian
- **HIST 219.3** Witches, Heretics and Stargazers The age of the Reformation
- **HIST 222.3** Medieval England 1000 to 1500
- **HIST 223.3** Age of the Renaissance
- ~~HIST 230.3~~ (closed course)
- **HIST 266.3** Historical Issues in Indigenous Settler Relations in North America
- **HIST 307.3** Seminar in Ancient Medieval and Renaissance Biography
- **HIST 309.3** Crusades and Aftermath
- **HIST 320.3** Pagans Christians Barbarians Identity and Empire in the Roman World
- **HIST 402.3** Aspects of Late Antiquity
- **PHIL 210.3** Medieval Philosophy I From Rome to Baghdad and Paris
- **PHIL 211.3** Philosophy and Faith Medieval Philosophy II
- **PHIL 404.3** Advanced Problems in Philosophy and Theology
- PHIL 412.3
- **PSY 261.3** Community Psychology
- **RLST 112.3** Western Religions in Society and Culture
- **RLST 210.3** Religion and Ecology
- **RLST 219.3** Bible and Western Culture
- **RLST 221.3** Introduction to Christianity
- **RLST 225.3** Perspectives on Jesus
- **RLST 229.3** Religion and Sport
- **RLST 253.3** Introduction to Old Testament
- **RLST 254.3** Introduction to New Testament
- RLST 277.3
- ~~RLST 300.3~~ (closed course)
- **RLST 314.3** Issues in Catholicism
- RLST 328.3

- ~~RLST 363.3~~ (moribund course; RLST Department Head indicates that the course will not likely be offered again)
- **RLST 365.3** Bible and Film
- **RLST 375.3** Religion and Science
- **SOC 233.3** Introduction to Sociological Theory
- **SOC 321.3** Sociology of Religion
- **SOC 360.3** Globalization and Social Justice
- ~~SOC 413.3~~ (closed course)

~~Choose **9 credit units** from the following:~~

~~3 credit units must be chosen from each of Area 1, 2, and 3. At least 3 credit units must be taken at the 300-level or higher. Students must choose courses from at least 2 different subject codes.~~

~~Area 1: Catholicism and History~~

- ~~HIST 202.3~~
- ~~**HIST 205.3** Medieval Europe 1000 to 1400~~
- ~~**HIST 211.3** Martyrs Mystics and Madmen Making the Medieval Saint~~
- ~~**HIST 217.3** The Later Roman Empire Crisis and Continuity from Constantine to Justinian~~
- ~~HIST 230.3~~
- ~~**HIST 309.3** Crusades and Aftermath~~
- ~~**HIST 320.3** Pagans Christians Barbarians Identity and Empire in the Roman World~~
- ~~**HIST 402.3** Aspects of Late Antiquity~~
- ~~**RLST 221.3** Introduction to Christianity~~
- ~~**RLST 253.3** Introduction to Old Testament~~
- ~~**RLST 254.3** Introduction to New Testament~~
- ~~RLST 300.3~~
- ~~RLST 363.3~~

~~Area 2: Catholic Thought and Culture~~

- ~~**ARTH 306.3** Medieval Art and Architecture~~
- ~~**CMRS 111.3** Medieval and Renaissance Civilization~~
- ~~DRAM 303.3~~
- ~~ENG 293.3~~
- ~~**ENG 311.3** The Canterbury Tales~~
- ~~**ENG 314.3** Early British Drama~~
- ~~**ENG 316.3** Middle English Literature of Defiance and Dissent~~
- ~~**PHIL 210.3** Medieval Philosophy I From Rome to Baghdad and Paris~~
- ~~**PHIL 211.3** Philosophy and Faith Medieval Philosophy II~~
- ~~PHIL 412.3~~
- ~~**RLST 219.3** Bible and Western Culture~~
- ~~**RLST 225.3** Perspectives on Jesus~~
- ~~**RLST 229.3** Religion and Sport~~
- ~~**RLST 365.3** Bible and Film~~

~~Area 3: Catholicism and the Modern World~~

- ~~**CPSJ 203.3** Cultivating Humanity~~
- ~~**CPSJ 400.3** Critical Perspectives on Social Justice and the Common Good~~
- ~~**HIST 266.3** Historical Issues in Indigenous Settler Relations in North America~~

- ~~**PHIL 404.3** Advanced Problems in Philosophy and Theology~~
- ~~**PSY 261.3** Community Psychology~~
- ~~**RLST 210.3** Religion and Ecology~~
- ~~RLST 277.3~~
- ~~**RLST 314.3** Issues in Catholicism~~
- ~~RLST 328.3~~
- ~~**RLST 375.3** Religion and Science~~
- ~~**SOC 321.3** Sociology of Religion~~
- ~~**SOC 360.3** Globalization and Social Justice~~
- ~~SOC 413.3~~

Rationale: The Catholic Studies Certificate, as it currently stands, represents an ideal of scholarly integrity with its various requirements for interdisciplinary coverage. However, only one student so far has finished the certificate. The proposed changes are designed to appeal to undergraduate students to make it easier for students to finish the certificate. Relevant courses have been added which will increase flexibility and closed and moribund courses not expected to return have been removed to ensure that the course options listed are actually available.

New course(s)
CTST 210.3 Catholic Imagination in the Arts
1/2(3L) This course explores multiple facets of Catholic imagination, which not only inform the symbols of Catholic liturgy but have inspired diverse expressions of spiritual experience in literature, visual art, and film. Introducing scholarly discussions of sacramental imagination, prophetic imagination, and creativity as a spiritual practice of both faith and doubt, the course considers the ways various artistic media across time and place engage Catholic cultures, offering an appreciative and critical scholarly lens for interpreting the arts.
Prerequisite(s): CTST 200.3 or 15 credit units of university study.
Instructor(s): Cythia Wallace, Sarah Powrie
Rationale: In our current revision of the Catholic studies certificate, we seek to simplify the requirements and to make the certificate more accessible to students. The course will increase 200-level offerings within the certificate's core, requiring fewer prerequisites than other options. The course will also be relevant for Catholic school teachers (in-service and pre-service), as we have consulted extensively with representatives of the Catholic school division. On the faculty side, the course will allow members of the STM faculty trained in Catholic studies and the arts (literature, film, music, visual arts) to more fully integrate their research into the classroom following our teacher-scholar model. Finally, the course aligns with the college's strategic priority of highlighting the "Vital Liberal Arts," inviting students into an interdisciplinary engagement with how various artistic forms continue to matter in the world. Additionally, we have surveyed students enrolled in CTST 200 and they have indicated that they'd be interested in seeing a course developed about Catholicism and film. We decided to go expand the idea to the arts more broadly, including film, to keep the course flexible for different instructors.

Cellular, Physiological and Pharmacological Sciences

Minor program revisions
Bachelor of Science (Biomedical Science) Honours and Four-year in Biochemistry, Microbiology and Immunology
In the M5 Major Requirement add CPPS 311.3 (proposed below) as a required course, replace CPPS 310.3 with CPPS 312.3 (proposed below), and replace the explicit listing of CPPS 400-level courses with an inclusive list.

Bachelor of Science (Biomedical Science) Honours [B.Sc. (BMSC) Honours] - Cellular, Physiological and Pharmacological Sciences

M5 Major Requirement (42 credit units)

- **BIOL 226.3** Genes to Genomics
- **CPPS 302.3** Human Physiology Transport Systems
- **CPPS 303.3** Endocrinology & Human Reproduction
- **CPPS 304.3** Introduction to Pharmacology
- **CPPS 311.3** Human Anatomy Foundational Concepts and Applications
- **CPPS 325.3** Advanced Cell Biology
- **CPPS 432.6** Undergraduate Research Project in Cellular Physiological and Pharmacological Sciences

Choose **3 credit units** from the following:

- **CPPS 306.3** Systems Pharmacology I Cardiorespiratory Renal Gastrointestinal and Neuropharmacology
- **CPPS 307.3** Systems Pharmacology II Chemotherapy Immune and Endocrine Pharmacology

Choose **3 credit units** from the following:

- **CPPS 308.3** Experimental Basis of Physiology and Pharmacology
- **CPPS 331.3** Methods in Cell and Developmental Biology

Choose ~~**9**~~ **6 credit units** from the following:

- **BMSC 320.3** Nucleic Acids From Central Dogma to Human Disease
- **BMIS 319.3** Vaccinology Principles and Practice.
- **BMIS 321.3** Introduction to Immunology
- **CHEP 350.3** Introduction to Epidemiology
- ~~**CPPS 310.3** Basic Human Anatomy~~
- **CPPS 312.3** Human Anatomy Applied Laboratory Exploration
- **CPPS 330.3** The Principles of Developmental Biology
- **NEUR 301.3** Fundamental Neuroscience Intercellular Communication
- **NEUR 350.3** Fundamental Neuroscience
- **PATH 205.3** Survey of Pathology
- **TOX 300.3** General Principles of Toxicology

Choose **6 credit units** from the following:

- **CPPS 337.3** Experimental Design and the Health Care System or **CPPS 417.3** The Business of Health Care
- **CPPS — 400-Level**
- ~~**CPPS 400.3** Clinical and Biomedical Imaging~~
- ~~**CPPS 401.3** Human Skeletal Biology Across the Lifespan~~
- ~~**CPPS 402.3** Immunometabolism in Health and Disease~~
- ~~**CPPS 403.3** Physiological Genomics and Pharmacogenetics~~
- ~~**CPPS 405.3** Current Topics in Cellular Physiological and Pharmacological Sciences~~
- ~~**CPPS 406.3** Comparative Vertebrate Histology~~
- ~~**CPPS 407.3** Advances in Anatomy and Histology~~
- ~~**CPPS 415.3** Advances in Cardiovascular Physiology and Pharmacology~~

- **NEUR 404.3** Neurophysiology and Neuropharmacology
- **NEUR 480.3** Neurobiology of Learning and Memory

Bachelor of Science (Biomedical Science) Four-year [B.Sc. (BMSC) Four-Year] - Cellular, Physiological and Pharmacological Sciences

M5 Major Requirement (36 credit units)

- **BIOL 226.3** Genes to Genomics
- **CPPS 302.3** Human Physiology Transport Systems
- **CPPS 303.3** Endocrinology & Human Reproduction
- **CPPS 304.3** Introduction to Pharmacology
- **CPPS 311.3** Human Anatomy Foundational Concepts and Applications
- **CPPS 325.3** Advanced Cell Biology

Choose **3 credit units** from the following:

- **CPPS 306.3** Systems Pharmacology I Cardiorespiratory Renal Gastrointestinal and Neuropharmacology
- **CPPS 307.3** Systems Pharmacology II Chemotherapy Immune and Endocrine Pharmacology

Choose **3 credit units** from the following:

- **CPPS 308.3** Experimental Basis of Physiology and Pharmacology
- **CPPS 331.3** Methods in Cell and Developmental Biology

Choose ~~**9**~~ **6 credit units** from the following:

- **BMSC 320.3** Nucleic Acids From Central Dogma to Human Disease
- **BMIS 319.3** Vaccinology Principles and Practice.
- **BMIS 321.3** Introduction to Immunology
- **CHEP 350.3** Introduction to Epidemiology
- ~~**CPPS 310.3** Basic Human Anatomy~~
- **CPPS 312.3** Human Anatomy Applied Laboratory Exploration
- **CPPS 330.3** The Principles of Developmental Biology
- **NEUR 301.3** Fundamental Neuroscience Intercellular Communication
- **NEUR 350.3** Fundamental Neuroscience
- **PATH 205.3** Survey of Pathology
- **TOX 300.3** General Principles of Toxicology

Choose **6 credit units** from the following:

- **CPPS 337.3** Experimental Design and the Health Care System or **CPPS 417.3** The Business of Health Care
- **CPPS — 400-Level**
- ~~**CPPS 400.3** Clinical and Biomedical Imaging~~
- ~~**CPPS 401.3** Human Skeletal Biology Across the Lifespan~~
- ~~**CPPS 402.3** Immunometabolism in Health and Disease~~
- ~~**CPPS 403.3** Physiological Genomics and Pharmacogenetics~~
- ~~**CPPS 405.3** Current Topics in Cellular Physiological and Pharmacological Sciences~~

- ~~**CPPS 406.3** Comparative Vertebrate Histology~~
- ~~**CPPS 407.3** Advances in Anatomy and Histology~~
- ~~**CPPS 415.3** Advances in Cardiovascular Physiology and Pharmacology~~
- **NEUR 404.3** Neurophysiology and Neuropharmacology
- **NEUR 480.3** Neurobiology of Learning and Memory

Rationale: Until now, despite the fact that the CPPS degree is offered by the department of Anatomy, Physiology and Pharmacology, students could obtain a CPPS degree without ever having taken an anatomy course (despite being required to take physiology and pharmacology courses). Replacing the CPPS 310.3 (lecture and lab) with CPPS 311.3 (lecture) and CPPS 312.3 (lab) will allow the department to rectify this issue and will ensure that the program is representative of the knowledge base expected of a CPPS major. All 400-level CPPS courses should be included in the program options, so the change to an inclusive list will ensure that happens without needing to submit a program revision each time one is created.

New course(s)
CPPS 311.3 Human Anatomy Foundational Concepts and Applications
1/2(3L) This course introduces students to the foundational principles of human anatomy with an emphasis on structure-function relationships and regional anatomical organization. Students will develop fluency in anatomical terminology and apply their knowledge through conceptual models and clinical reasoning tasks.
Prerequisite(s): BIOL 224.3 or BMSC 208.3
Note: Students with credit for CPPS 221.3 or CPPS 310.3 cannot take CPPS 311.3 for credit.
Instructor(s): Kevin Chuang
Rationale: There is significant demand for human anatomy classes but capacity in the lab is limited. Separating the lecture from the lab will allow all CPPS students, as well as students from other subjects such as Health Studies, to take the lecture part of the course while reserving the lab seats for the students who would most benefit from them.

CPPS 312.3 Human Anatomy Applied Laboratory Exploration
1/2(3P) This lab-based course complements CPPS 311 by providing students with a unique opportunity to develop three-dimensional anatomical understanding through the exploration of prosected human specimens and anatomical models. Rather than duplicating lecture material, the lab emphasizes visual and tactile learning, professional conduct, and collaborative engagement. Learners will strengthen their spatial reasoning, apply clinical observation skills, and reflect on their own approaches to learning. Through ethical and respectful interaction with human donor material, students will cultivate the professional attitudes expected in the health and biomedical sciences.
Prerequisite(s) or Co-requisite(s): CPPS 311.3
Note: Enrolment in this course is restricted to students majoring in Cellular, Physiological and Pharmacological Sciences, Biomedical Neuroscience, or by permission of the course coordinator. Students with credit for CPPS 221.3 or CPPS 310.3 cannot take CPPS 312.3 for credit.
Instructor(s): Kevin Chuang
Rationale: See CPPS 311 above.

Course deletion(s)
CPPS 310.3 Basic Human Anatomy
Rationale: This course will be replaced by CPPS 311.3 and 312.3, proposed above.

Minor course revisions
CPPS 400.3 Clinical and Biomedical Imaging
Prerequisite change:
Current prerequisite: PHYS 115.3, PHYS 117.3 (or PHYS 125.3); and CPPS 310.3.
Proposed prerequisite: PHYS 115.3, PHYS 117.3 (or PHYS 125.3); and CPPS 310.3 or CPPS 311.3.
Rationale: Students can be successful in CPPS 400 without needing an anatomy lab.

CPPS 401 - Human Skeletal Biology Across the Lifespan
Prerequisite change:
Current prerequisite: One of CPPS 310.3, CPPS 221.3, ANTH 270.3 or ANTH 470.3
Proposed prerequisite: One of CPPS 310.3, CPPS 311.3, CPPS 221.3, ANTH 270.3 or ANTH 470.3
Rationale: Students can be successful in CPPS 401 without needing an anatomy lab.

CPPS 407 - Advances in Anatomy and Histology
Prerequisite change:
Current prerequisite: CPPS 221.3 or CPPS 310.3 or permission from the course coordinator.
Proposed prerequisite: CPPS 221.3 or CPPS 310.3 or CPPS 312.3 or permission from the course coordinator.
Rationale: Students require the experience of an anatomy lab to be successful in CPPS 407.

Crime, Law and Justice Studies

Minor program revisions
Minor in Crime, Law and Justice Studies
Move SOC 234.3 from the list of required courses to the list of optional courses and add SOC 221 to the list of recommended courses.

Crime, Law and Justice Studies
Requirements

Non-Sociology Majors (21 credit units)

Required courses:

- **SOC 212.3** Introduction to Criminology
- **SOC 232.3** Methods of Social Research
- **SOC 233.3** Introduction to Sociological Theory
- ~~**SOC 234.3** Sociology of Law~~

Choose **3 credit units** from the following:

- **SOC 214.3** Social Control
- **SOC 219.3** Indigenous Peoples and Justice in Canada
- **SOC 234.3** Sociology of Law

Choose **6 credit units** from the following:

- **SOC 234.3** Sociology of Law
- **SOC 284.3** Surveillance and Society
- **SOC 310.3** White Collar and Corporate Crime in the Global Context
- **SOC 311.3** Youth Crime Justice and Social Control
- **SOC 312.3** Current Issues in Criminal Justice
- **SOC 329.3** Penology and Corrections
- **SOC 341.3** Institutional Racism and Indigenous People
- **SOC 347.3** Studies in Addictions

In addition to the courses required for the Minor in Crime, Law and Justice Studies, students are encouraged to complete 3 credit units from the following:

- **SOC 203.3** Race and Ethnic Relations in Canada
- **SOC 205.3** Comparative Race and Ethnic Relations
- **SOC 206.3** Sociology of Communities and Community Development
- **SOC 206.3** Sociology of Migration

Sociology Majors (18 credit units)

In addition to the requirements for a Sociology degree, students must complete 18 credit units Sociology. Students may not count the same courses towards the requirements for both a major and this minor subject area. A maximum of 60 credit units are allowed in one subject for the B.A. Four-year or Honours programs; a maximum of 42 credit units are allowed in one subject for the B.A. Three-year program.

Required courses:

- **SOC 212.3** Introduction to Criminology
- ~~**SOC 234.3** Sociology of Law~~

Choose **3 credit units** from the following:

- **SOC 214.3** Social Control
- **SOC 219.3** Indigenous Peoples and Justice in Canada
- **SOC 234.3** Sociology of Law

Choose **9 credit units** from the following:

- **SOC 234.3** Sociology of Law
- **SOC 284.3** Surveillance and Society
- **SOC 310.3** White Collar and Corporate Crime in the Global Context
- **SOC 311.3** Youth Crime Justice and Social Control
- **SOC 312.3** Current Issues in Criminal Justice
- **SOC 329.3** Penology and Corrections
- **SOC 341.3** Institutional Racism and Indigenous People
- **SOC 347.3** Studies in Addictions
- **SOC 484.3** Surveillance and Power
- **SOC 415.3** Selected Problems in Social Control
- **SOC 418.3** Advanced Criminology

In addition to the courses required for the Minor in Crime, Law and Justice Studies, students are encouraged to complete:

- **SOC 203.3** Race and Ethnic Relations in Canada
- **SOC 205.3** Comparative Race and Ethnic Relations
- **SOC 206.3** Sociology of Communities and Community Development
- **SOC 221.3** Sociology of Migration

Rationale: SOC 234 is not offered regularly, which has created a need for course substitutions in this program. This recognizes that students who took alternative courses from the list have continued to meet the program's learning objectives, and will reduce administrative work. In addition, key concepts from Sociology of Law are integrated throughout other required and optional courses in the program. SOC 221.3 is an appropriate course to be included in the recommended list as it covers issues of racialization, immigration policies (law), and social justice issues (though a lens of race, class and gender).

Curation Studies

Minor program revisions
Certificate in Curation Studies
Reorganize program requirements, reflect renumbering of HIST 396 to 496, and add HIST 272 as an optional course.

Curation Studies
Requirements (27 credit units)

This program requires that students take prerequisite courses not listed below. Please see the course descriptions for details.

- **CMRS 315.3** Curating Collections in Theory and Practice
- **CMRS 415.3** Museum Internship

Choose **3 credit** units from the following:

- **ANTH 406.3** Analysis and Public Exhibition of Cultural Artifacts (Students with credit for ANTH 403 or CMRS 403 cannot take this course for credit.)
- **ARTH 308.3** Art of High Renaissance and Reformation Era 1500 to 1550
- **CMRS 403.3** Analysis and Public Exhibition of Cultural Artifacts (Students with credit for ANTH 406 cannot take this course for credit.)

Choose **9 credit** units from the following:

- **ANTH 250.3** Introduction to Archaeological Science
- **ANTH 251.3** Introduction to Archaeological Interpretation
- **ANTH 257.3** Archaeology of Ancient Egypt
- **ANTH 258.3** Archaeology of Ancient Mesopotamia
- **ARTH 306.3** Medieval Art and Architecture
- **ARTH 308.3** Art of High Renaissance and Reformation Era 1500 to 1550
- **CLAS 240.3** Ancient Art and Architecture I Bronze Age to Classical Greece
- **CLAS 242.3** Ancient Art and Architecture II Graeco Roman World

Choose **9 credit** units from the following:

- **ANTH 365.6** Study Abroad Museology and Egyptian Material Culture*
- **CMRS 333.3** Exploring Medieval and Early Modern Manuscripts
- **CMRS 405.3** Texts and Materials of Early European Cultures*
- **CMRS 406.3** Coinage in Ancient Greece and Rome
- **CMRS 433.3** Advanced Manuscript Studies
- **HIST 308.6** Rome Building and Living in the Ancient City*
- **HIST 272.3** Human Rights in History*
- **HIST 496.3** Digital History

*These are study abroad or travel study courses that may not be offered regularly. Please check with the CMRS Director of Museum of Antiquities Director for information on availability.

~~Choose **6 credit** units from the following:~~

- ~~**ANTH 250.3** Introduction to Archaeological Science~~
- ~~**ANTH 251.3** Introduction to Archaeological Interpretation~~
- ~~**ANTH 257.3** Archaeology of Ancient Egypt~~
- ~~**ANTH 258.3** Archaeology of Ancient Mesopotamia~~

~~Choose **6 credit units** from the following:~~

- ~~**ARTH 306.3** Medieval Art and Architecture~~
- ~~**ARTH 308.3** Art of High Renaissance and Reformation Era 1500 to 1550~~
- ~~**ARTH 318.3** Exhibition Technique The Social Construction of Art~~
- ~~**CLAS 240.3** Ancient Art and Architecture I Bronze Age to Classical Greece~~
- ~~**CLAS 242.3** Ancient Art and Architecture II Graeco Roman World~~

~~Choose **9 credit units** from the following:~~

~~Many of these courses are taught every other year. Please consult with departments or the CMRS director well ahead of planning your schedule.~~

- ~~**ANTH 365.6** Study Abroad Museology and Egyptian Material Culture~~
- ~~**CMRS 333.3** Exploring Medieval and Early Modern Manuscripts~~
- ~~**CMRS 403.3** Analysis and Public Exhibition of Cultural Artifacts or **ANTH 406.3** Analysis and Public Exhibition of Cultural Artifacts~~
- ~~**CMRS 405.3** Texts and Materials of Early European Cultures~~
- ~~**CMRS 406.3** Coinage in Ancient Greece and Rome~~
- ~~**CMRS 433.3** Advanced Manuscript Studies~~
- ~~HIST 304.3~~
- ~~**HIST 308.6** Rome Building and Living in the Ancient City~~
- ~~**HIST 396.3** Digital History~~

Rationale: The program requirements are reorganized to reflect the likelihood that the taught abroad and travel study courses will be very irregularly offered for the foreseeable future. The groupings have been reorganized to be sure that students from different disciplines who take the certificate with a degree can complete both without adding an additional year of courses, keeping in mind that the goal of the program is to move students into careers or graduate programs, not slowing them down.
HIST 272 is a course that is offered in partnership with the Canadian Museum of Human Rights and a main component is the sessions done with curators at the museum. The course treats the museum as an object of study, looking at hits history and the politics of representation involved in how its material has been curated.

Drama

Minor course revisions
DRAM 111.3 Practicum I Indigenous Performance Methods
Change to course hours:
Current course hours: 3 Seminar/Discussion hours and 3 Practicum/Lab hours
Proposed course hours: 2 Seminar/Discussion hours and 2 Practicum/Lab hours
Rationale: This change reflects how the course has been offered for the last few years.

DRAM 113.3 Technical Theatre II Stage Properties
Change to course hours:
Current course hours: 2 Lecture hours and 1.5 Practicum/Lab hours
Proposed course hours: 3 Lecture hours and 2 practicum/lab hours
Rationale: This change reflects how the course has been offered for the last few years.

Environment and Society

Course deletions
GEOG 150.3 Introduction to the Circumpolar World
GEOG 348.3 Introduction to Demography
Rationale: The department no longer has the necessary resources or expertise, respectively, to teach these courses.

Minor course revisions
GEOG 280.3 Environmental Geography
Prerequisite change:
Current prerequisite: 3 credit units of GEOG courses and 21 credit units of additional University course work.
Proposed prerequisite: 24 credit units of University course work. Note: one GEOG 110, GEOG 120 or GEOG 130 is recommended.
Rationale: The department has found that though taking a 100-level GEOG course is helpful, the general academic preparation from taking other university-level courses is sufficient for students to be successful in this course.

Geophysics

Minor program revisions
Bachelor of Science Honours and Four-year in Geophysics
In the C4 Major Requirement remove GEOL 485.6, 490.3 and 492.6 as course options, add GEOL 487.3 and 488.3 as required courses, and adjust the credit units in C4 and the C5 electives requirement to reflect this change.

Bachelor of Science Honours (B.Sc. Honours) - Geophysics
C4 Major Requirement (57~~-59~~ ~~-62~~ credit units)

Junior courses (9-11 credit units):

*Students who complete **GEOL 108.3** The Earth and How It Works and **GEOL 114.2** Practical Geoscience instead of **GEOL 121.3** Earth Processes must complete 11 credit units to fulfill the Junior courses requirement. Students who transfer from Engineering may count **GEOL 102.1** Introduction to Geology for Engineering and **GEOL 114.2** Practical Geoscience in lieu of **GEOL 121.3** Earth Processes and will also be required to complete 11 credit units Junior courses requirement. These students will take an additional senior GEOL course, that is not used to fulfill a requirement below, to achieve this total.

- **GEOL 121.3** Earth Processes; or **GEOL 108.3** The Earth and How It Works and **GEOL 114.2** Practical Geoscience*
- **PHYS 115.3** Physics and the Universe or **PHYS 156.3** Electromagnetism and Waves for Engineering
- **PHYS 117.3** Physics for the Life Sciences or **PHYS 125.3** Physics and Technology

Senior courses (48~~-51~~ credit units):

- **EP 202.3** Electric and Magnetic Fields and Circuits
- **EP 214.3** Analog Signals and Systems
- **EP 228.3** Computer Tools for Engineering Physics
- **GEOL 224.3** Mineralogy
- **GEOL 245.3** Introduction to Sedimentary Rocks
- **GEOL 258.3** Structural Geology

- **GEOL 282.3** Earth Physics
- **GEOL 334.3** Gravity Magnetic Electromagnetic and Radiometric Methods
- **GEOL 335.3** Seismology and Ground Penetrating Radar Methods
- **GEOL 480.3** Potential Field and Electromagnetic Methods in Geophysics
- **GEOL 483.3** Seismology
- **GEOL 487.3** Geophysical Field Methods
- **GEOL 488.3** Practical Analysis of Geophysical Datasets

~~Choose one of the following options:~~

- ~~**GEOL 485.6** Geophysics Field Camp; or~~
- ~~**GEOL 487.3** Geophysical Field Methods and one of **GEOL 490.3** Geological Sciences Research OR **GEOL 492.6** Geological Sciences Research~~

Choose 3 credit units from the following:

- **MATH 223.3** Calculus III for Engineers
- **MATH 225.3** Intermediate Calculus I
- **MATH 276.3** Vector Calculus I

Choose 3 units from the following:

- **MATH 224.3** Calculus IV for Engineers
- **MATH 226.3** Intermediate Calculus II
- **MATH 238.3** Introduction to Differential Equations

Choose 3 credit units from the following:

- **GEOG 322.3** Geographic Information Systems
- **GEOL — 300-Level, 400-Level**

C5 Electives Requirement (~~15~~ 18 credit units)

…

Bachelor of Science Four-year (B.Sc. Four-year) - Geophysics
C4 Major Requirement (57-~~59~~ ~~62~~ credit units)

Junior courses (9-11 credit units):

*Students who complete **GEOL 108.3** The Earth and How It Works and **GEOL 114.2** Practical Geoscience instead of **GEOL 121.3** Earth Processes must complete 11 credit units to fulfill the Junior courses requirement. Students who transfer from Engineering may count **GEOL 102.1** Introduction to Geology for Engineering and **GEOL 114.2** Practical Geoscience in lieu of **GEOL 121.3** Earth Processes and will also be required to complete 11 credit units Junior courses requirement. These students will take an additional senior GEOL course, that is not used to fulfill a requirement below, to achieve this total.

- **GEOL 121.3** Earth Processes; or **GEOL 108.3** The Earth and How It Works and **GEOL 114.2** Practical Geoscience

- **PHYS 115.3** Physics and the Universe or **PHYS 156.3** Electromagnetism and Waves for Engineering
- **PHYS 117.3** Physics for the Life Sciences or **PHYS 125.3** Physics and Technology

Senior courses (48~~-51~~ credit units):

- **EP 202.3** Electric and Magnetic Fields and Circuits
- **EP 214.3** Analog Signals and Systems
- **EP 228.3** Computer Tools for Engineering Physics
- **GEOL 224.3** Mineralogy
- **GEOL 245.3** Introduction to Sedimentary Rocks
- **GEOL 258.3** Structural Geology
- **GEOL 282.3** Earth Physics
- **GEOL 334.3** Gravity Magnetic Electromagnetic and Radiometric Methods
- **GEOL 335.3** Seismology and Ground Penetrating Radar Methods
- **GEOL 480.3** Potential Field and Electromagnetic Methods in Geophysics
- **GEOL 483.3** Seismology
- **GEOL 487.3** Geophysical Field Methods
- **GEOL 488.3** Practical Analysis of Geophysical Datasets

~~Choose one of the following options:~~

- ~~**GEOL 485.6** Geophysics Field Camp; or~~
- ~~**GEOL 487.3** Geophysical Field Methods and one of **GEOL 490.3** Geological Sciences Research or **GEOL 492.6** Geological Sciences Research~~

Choose **3 credit units** from the following:

- **MATH 223.3** Calculus III for Engineers (recommended)
- **MATH 225.3** Intermediate Calculus I
- **MATH 276.3** Vector Calculus I

Choose **3 credit units** from the following:

- **MATH 224.3** Calculus IV for Engineers (recommended)
- **MATH 226.3** Intermediate Calculus II
- **MATH 238.3** Introduction to Differential Equations

Choose **3 credit units** from the following:

- **GEOG 322.3** Geographic Information Systems
- **GEOL — 300-Level, 400-Level**

C5 Electives Requirement (~~18~~-21 credit units)

…

Rationale: GEOL 485.6 Geophysics Field Camp and GEOL 487.3 Geophysical Field Methods have the same field component. The second half of GEOL 485.6 covered analysis of the date collected during the

field component. Six credit unit, multi-term courses create logistical problems for class scheduling, especially when students take the field component and the analysis component in Summer and Fall terms, or in different years. Separating the field and analysis parts into different courses (see GEOL 488 below) will fix this problem. GEOL 488 will be structured to be more directly relevant to students than GEOL 490.3 or 492.6.

New course(s)
GEOL 488.3 Practical Analysis of Geophysical Datasets
1/2(6P) This an opportunity to conduct a research project in geophysics. The project will involve advanced geophysical data analysis and modelling. Important datasets will be provided by the supervisor from public sources, industry, geophysical publications, or UofS field schools. In some cases data acquisition in the lab or field may be required. You will be supervised by a faculty member and/or an adjunct faculty member with expertise in geophysics. You will archive your dataset and the work that you have done. You will communicate your research findings in the form of a final report.
Prerequisite(s): GEOL 334.3 and GEOL 335.3.
Note: Students must first contact a faculty member and/or Adjunct Professor in Geological Sciences. Students are required to submit a signed form to the Head of the Geological Sciences Department for approval prior to registration in the course. This document includes the title of the research project, a brief description of the project, a table of the assessment deadlines and metrics, and the signatures of both the student and supervisor.
Instructor(s): Sam Butler, Igor Morozov
Rationale: GEOL 485.6 Geophysics Field Camp and GEOL 487.3 Geophysical Field Methods have the same field component. The second half of GEOL 485.6 covered analysis of the date collected during the field component. Six credit unit, multi-term courses create logistical problems for class scheduling, especially when students take the field component and the analysis component in Summer and Fall terms, or in different years. Separating the field and analysis parts into different courses will fix this problem.

Course deletion(s)
GEOL 485.6 Geophysics Field Camp
Rationale: This course will be replaced by students taking the existing GEOL 485.3 Geophysical Field Methods and proposed GEOL 488.3 Practical Analysis of Geophysical Datasets (proposed above).

Health Studies

Minor program revisions
Bachelor of Arts and Science Honours and Four-year in Health Studies – Biology, Development and Health
Add CPPS 311.3 (proposed above) as an alternative to CPPS 310.3.

Bachelor of Arts and Science Honours (B.A.&Sc. Honours) - Health Studies - Biology, Development and Health
J4 Major Requirement (63 credit units)

…

A1. Choose one of the following Science clusters (12 credit units):

At least 3 credit units must be at the 300-level or higher.

*Students with credit for BMSC 207 or BMSC 208 (formerly PHSI 208.6) may not subsequently receive credit for BIOL 224. Students may receive credit for all of BIOL 224 and BMSC 207 and BMSC 208 only if BIOL 224 is completed first, or if BIOL 224 and BMSC 207 are taken concurrently. BIOL 224 is a

prerequisite for a number of senior Biology courses including BIOL 317; BMSC 207 and BMSC 208 are prerequisites for most 300-level CPPS and NEUR courses.

i. Development and Body Systems:

- **BIOL 224.3** Animal Body Systems or **BMSC 208.3** Human Body Systems II* (**BMSC 208.3** Human Body Systems II requires **BMSC 207.3** Human Body Systems I as a prerequisite. This course may be used to fulfill A4 or A5 below.)
- **BIOL 226.3** Genes to Genomics

Choose one of the following:

1) **BMSC 220.3** Cell Biology (BMSC 220 requires **BMSC 200.3** Biomolecules as a prerequisite. This course may be used to fulfill A5 below.) and **CPPS 330.3** The Principles of Developmental Biology;

2) Any two of **BIOL 317.3** Fundamentals of Animal Physiology, **BIOL 418.3** Integrative Animal Systems Physiology, or **BIOL 361.3** Vertebrate Biology;

3) Any two of **CPPS 302.3** Human Physiology Transport Systems, **CPPS 303.3** Endocrinology & Human Reproduction, or ~~**CPPS 310.3** Basic Human Anatomy~~ CPPS 311.3 Human Anatomy Foundational Concepts and Applications

…

A4. Choose 6 credit units from the following "BD&H" Science courses:

At least 3 credit units chosen to fulfill requirements 4, 5 or 6 must be at the 300-level or higher.

*Students with credit for BMSC 207 or BMSC 208 (formerly PHSI 208.6) may not subsequently receive credit for BIOL 224. Students may receive credit for all of BIOL 224 and BMSC 207 and **BMSC 208.3** Human Body Systems II only if BIOL 224 is completed first, or if BIOL 224 and BMSC 207 are taken concurrently. BIOL 224 is a prerequisite for a number of senior Biology courses including BIOL 317; BMSC 207 and BMSC 208 are prerequisites for most 300-level CPPS and NEUR courses.

- **BIOL 224.3** Animal Body Systems*
- **BIOL 226.3** Genes to Genomics
- **BIOL 317.3** Fundamentals of Animal Physiology
- **BIOL 361.3** Vertebrate Biology
- **BIOL 418.3** Integrative Animal Systems Physiology
- **BIOL 430.3** Neurobiology of Behaviour
- **BMSC 207.3** Human Body Systems I*
- **BMSC 208.3** Human Body Systems II*
- **BMSC 220.3** Cell Biology
- **CPPS 302.3** Human Physiology Transport Systems
- **CPPS 303.3** Endocrinology & Human Reproduction
- ~~**CPPS 310.3** Basic Human Anatomy~~
- CPPS 311.3 Human Anatomy Foundational Concepts and Applications
- **CPPS 330.3** The Principles of Developmental Biology
- **NEUR 301.3** Fundamental Neuroscience Intercellular Communication
- **NEUR 350.3** Fundamental Neuroscience
- **NEUR 404.3** Neurophysiology and Neuropharmacology

A5. Choose 6 credit units from the following Health Studies Science courses:

At least 3 credit units chosen to fulfill requirements 4, 5 or 6 must be at the 300-level or higher.

*Students with credit for BMSC 207 or BMSC 208 (formerly PHSI 208.6) may not subsequently receive credit for BIOL 224. Students may receive credit for all of BIOL 224 and BMSC 207 and BMSC 208 only if BIOL 224 is completed first, or if BIOL 224 and BMSC 207 are taken concurrently. BIOL 224 is a prerequisite for a number of senior Biology courses including BIOL 317; BMSC 207 and BMSC 208 are prerequisites for most 300-level CPPS and NEUR courses.

- **BIOL 224.3** Animal Body Systems*
- **BIOL 226.3** Genes to Genomics
- **BIOL 228.3** Ecology in a Changing World
- BIOL 314.3
- **BIOL 317.3** Fundamentals of Animal Physiology
- **BIOL 324.3** Plants and Human Affairs
- **BIOL 361.3** Vertebrate Biology
- **BIOL 363.3** Population Ecology
- **BIOL 373.3** Community Ecology
- **BIOL 410.3** Current Perspectives in Environmental Biology
- **BIOL 412.3** Limnology
- **BIOL 418.3** Integrative Animal Systems Physiology
- **BIOL 430.3** Neurobiology of Behaviour
- BIOL 436.3
- **BIOL 470.3** Conservation Biology
- **BIOL 475.3** Ecological Toxicology
- **BMIS 308.3** An Introduction to Microbial Pathogens
- **BMIS 321.3** Introduction to Immunology
- **BMIS 423.3** Advanced Immunology
- **BMSC 200.3** Biomolecules
- **BMSC 207.3** Human Body Systems I
- **BMSC 208.3** Human Body Systems II
- **BMSC 210.3** Microbiology
- **BMSC 220.3** Cell Biology
- **CHEM 375.3** Environmental Chemistry
- **CPPS 302.3** Human Physiology Transport Systems
- **CPPS 303.3** Endocrinology & Human Reproduction
- **CPPS 304.3** Introduction to Pharmacology
- **CPPS 306.3** Systems Pharmacology I Cardiorespiratory Renal Gastrointestinal and Neuropharmacology
- **CPPS 307.3** Systems Pharmacology II Chemotherapy Immune and Endocrine Pharmacology
- ~~**CPPS 310.3** Basic Human Anatomy~~
- CPPS 311.3 Human Anatomy Foundational Concepts and Applications
- **CPPS 330.3** The Principles of Developmental Biology
- **FABS 110.3** The Science of Food
- **FABS 212.3** Agrifood and Resources Microbiology
- **FABS 323.3** Food Additives and Toxicants
- **FABS 325.3** Food Microbiology and Safety
- FABS 360.3
- **FABS 362.3** Functional Foods and Nutraceuticals
- **FABS 371.3** Food Biotechnology
- FABS 430.3

- **GEOG 233.3** Weather and Climate
- **GEOG 235.3** Earth Processes and Natural Hazards A Canadian Perspective
- **GEOG 333.3** Global Climate Change
- **NEUR 301.3** Fundamental Neuroscience Intercellular Communication
- **NEUR 350.3** Fundamental Neuroscience
- **NEUR 404.3** Neurophysiology and Neuropharmacology
- **NUTR 120.3** Basic Nutrition
- **TOX 300.3** General Principles of Toxicology
- **TOX 301.3** Environmental Toxicology
- **TOX 302.3** Introduction to Aquatic Toxicology
- **TOX 310.3** Radiation and Radionuclide Toxicology
- TOX 320.3
- **TOX 321.3** Risk Assessment and Regulatory Toxicology
- **TOX 403.3** Biotoxins
- **TOX 412.3** Toxicology of Industrial Pollutants

…

Bachelor of Arts and Science Four-year (B.A.&Sc. Four-year) - Health Studies- Biology, Development and Health
J4 Major Requirement (57 credit units)

…

A1. Choose one of the following Science clusters (12 credit units):

At least 3 credit units must be at the 300-level or higher.

*Students with credit for BMSC 207 or BMSC 208 (formerly PHSI 208.6) may not subsequently receive credit for BIOL 224. Students may receive credit for all of BIOL 224 and BMSC 207 and BMSC 208 only if BIOL 224 is completed first, or if BIOL 224 and BMSC 207 are taken concurrently. BIOL 224 is a prerequisite for a number of senior Biology courses including BIOL 317; BMSC 207 and BMSC 208 are prerequisites for most 300-level CPPS and NEUR courses.

i. Development and Body Systems:

- **BIOL 224.3** Animal Body Systems or **BMSC 208.3** Human Body Systems II* (**BMSC 208.3** Human Body Systems II requires **BMSC 207.3** Human Body Systems I as a prerequisite. This course may be used to fulfill A4 or A5 below.)
- **BIOL 226.3** Genes to Genomics

Choose one of the following:

1) **BMSC 220.3** Cell Biology (BMSC 220 requires **BMSC 200.3** Biomolecules as a prerequisite. This course may be used to fulfill A5 below.) and **CPPS 330.3** The Principles of Developmental Biology;

2) Any two of **BIOL 317.3** Fundamentals of Animal Physiology, **BIOL 418.3** Integrative Animal Systems Physiology, or **BIOL 361.3** Vertebrate Biology;

3) Any two of **CPPS 302.3** Human Physiology Transport Systems, **CPPS 303.3** Endocrinology & Human Reproduction, or ~~**CPPS 310.3** Basic Human Anatomy~~ CPPS 311.3 Human Anatomy Foundational Concepts and Applications

…

A4. Choose 6 credit units from the following "BD&H" Science courses:

At least 3 credit units chosen to fulfill requirements 4, 5 or 6 must be at the 300-level or higher.

*Students with credit for BMSC 207 or BMSC 208 (formerly PHSI 208.6) may not subsequently receive credit for BIOL 224. Students may receive credit for all of BIOL 224 and BMSC 207 and **BMSC 208.3** Human Body Systems II only if BIOL 224 is completed first, or if BIOL 224 and BMSC 207 are taken concurrently. BIOL 224 is a prerequisite for a number of senior Biology courses including BIOL 317; BMSC 207 and BMSC 208 are prerequisites for most 300-level CPPS and NEUR courses.

- **BIOL 224.3** Animal Body Systems*
- **BIOL 226.3** Genes to Genomics
- **BIOL 317.3** Fundamentals of Animal Physiology
- **BIOL 361.3** Vertebrate Biology
- **BIOL 418.3** Integrative Animal Systems Physiology
- **BIOL 430.3** Neurobiology of Behaviour
- **BMSC 207.3** Human Body Systems I*
- **BMSC 208.3** Human Body Systems II*
- **BMSC 220.3** Cell Biology
- **CPPS 302.3** Human Physiology Transport Systems
- **CPPS 303.3** Endocrinology & Human Reproduction
- ~~**CPPS 310.3** Basic Human Anatomy~~
- CPPS 311.3 Human Anatomy Foundational Concepts and Applications
- **CPPS 330.3** The Principles of Developmental Biology
- **NEUR 301.3** Fundamental Neuroscience Intercellular Communication
- **NEUR 350.3** Fundamental Neuroscience
- **NEUR 404.3** Neurophysiology and Neuropharmacology

A5. Choose 6 credit units from the following Health Studies Science courses:

At least 3 credit units chosen to fulfill requirements 4, 5 or 6 must be at the 300-level or higher.

*Students with credit for BMSC 207 or BMSC 208 (formerly PHSI 208.6) may not subsequently receive credit for BIOL 224. Students may receive credit for all of BIOL 224 and BMSC 207 and BMSC 208 only if BIOL 224 is completed first, or if BIOL 224 and BMSC 207 are taken concurrently. BIOL 224 is a prerequisite for a number of senior Biology courses including BIOL 317; BMSC 207 and BMSC 208 are prerequisites for most 300-level CPPS and NEUR courses.

- **BIOL 224.3** Animal Body Systems*
- **BIOL 226.3** Genes to Genomics
- **BIOL 228.3** Ecology in a Changing World
- BIOL 314.3
- **BIOL 317.3** Fundamentals of Animal Physiology
- **BIOL 324.3** Plants and Human Affairs
- **BIOL 361.3** Vertebrate Biology
- **BIOL 363.3** Population Ecology
- **BIOL 373.3** Community Ecology
- **BIOL 410.3** Current Perspectives in Environmental Biology
- **BIOL 412.3** Limnology

- **BIOL 418.3** Integrative Animal Systems Physiology
- **BIOL 430.3** Neurobiology of Behaviour
- BIOL 436.3
- **BIOL 470.3** Conservation Biology
- **BIOL 475.3** Ecological Toxicology
- **BMIS 308.3** An Introduction to Microbial Pathogens
- **BMIS 321.3** Introduction to Immunology
- **BMIS 423.3** Advanced Immunology
- **BMSC 200.3** Biomolecules
- **BMSC 207.3** Human Body Systems I
- **BMSC 208.3** Human Body Systems II
- **BMSC 210.3** Microbiology
- **BMSC 220.3** Cell Biology
- **CHEM 375.3** Environmental Chemistry
- **CPPS 302.3** Human Physiology Transport Systems
- **CPPS 303.3** Endocrinology & Human Reproduction
- **CPPS 304.3** Introduction to Pharmacology
- **CPPS 306.3** Systems Pharmacology I Cardiorespiratory Renal Gastrointestinal and Neuropharmacology
- **CPPS 307.3** Systems Pharmacology II Chemotherapy Immune and Endocrine Pharmacology
- ~~**CPPS 310.3** Basic Human Anatomy~~
- CPPS 311.3 Human Anatomy Foundational Concepts and Applications
- **CPPS 330.3** The Principles of Developmental Biology
- **FABS 110.3** The Science of Food
- **FABS 212.3** Agrifood and Resources Microbiology
- **FABS 323.3** Food Additives and Toxicants
- **FABS 325.3** Food Microbiology and Safety
- FABS 360.3
- **FABS 362.3** Functional Foods and Nutraceuticals
- **FABS 371.3** Food Biotechnology
- FABS 430.3
- **GEOG 233.3** Weather and Climate
- **GEOG 235.3** Earth Processes and Natural Hazards A Canadian Perspective
- **GEOG 333.3** Global Climate Change
- **NEUR 301.3** Fundamental Neuroscience Intercellular Communication
- **NEUR 350.3** Fundamental Neuroscience
- **NEUR 404.3** Neurophysiology and Neuropharmacology
- **NUTR 120.3** Basic Nutrition
- **TOX 300.3** General Principles of Toxicology
- **TOX 301.3** Environmental Toxicology
- **TOX 302.3** Introduction to Aquatic Toxicology
- **TOX 310.3** Radiation and Radionuclide Toxicology
- TOX 320.3
- **TOX 321.3** Risk Assessment and Regulatory Toxicology
- **TOX 403.3** Biotoxins
- **TOX 412.3** Toxicology of Industrial Pollutants

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Rationale: CPPS 310.3 Basic Human Anatomy is being replaced by CPPS 311.3 Human Anatomy Foundational Concepts and Applications and CPPS 312.3 Human Anatomy Applied Laboratory Exploration. The lecture course is sufficient for students in Health Studies.

Hydrology

Minor course revisions
GEOG 233.3 Weather and Climate
Prerequisite change:
Current prerequisite: 3 credit units of Science courses and 21 credit units of additional University course work.
Proposed prerequisite: GEOG 120.3; or 3 credit units of Science courses and 21 credit units of additional University course work.
Change to Note:
Current Note: GEOG 120 is recommended.
Proposed Note: None.
Rationale: The proposed prerequisites are consistent with other GEOG courses at the same level and GEOG 120 is sufficient for students to be successful in this course.

GEOG 235.3 Earth Processes and Natural Hazards A Canadian Perspective
Prerequisite change:
Current prerequisite: GEOG 120 or GEOL 121 or permission of the instructor.
Proposed prerequisite: GEOG 120.3; or GEOL 121.3; or 3 credit units of Science courses and 21 credit units of additional University course work.
Rationale: The proposed prerequisites are consistent with other GEOG courses at the same level.

GEOG 325.3 River Systems
GEOG 328.3 Groundwater Hydrology
Prerequisite change:
Current prerequisite: GEOG 225; or 12 credit units in GEOL.
Proposed prerequisite: GEOG 225.3; or 12 credit units in GEOL, GEOE, EVSC, or SLSC.
Rationale: The proposed revisions will align the prerequisites for all 300-level, lab-based physical geography courses.

Jazz

Minor program revisions
Certificate in Jazz
Add MUS 386.3 as an alternative to MUS 175.3 in the required courses and add MUS 175.3 to the list of restricted elective courses.

Jazz
Requirements (15 credit units)

- **MUS 175.3** Jazz History Survey or **MUS 386.3** Jazz Arranging
- **MUS 184.3** Jazz Materials
- **MUS 283.3** Jazz Improvisation
- **MUS 401.1** Jazz and Related Creative Studies Capstone
- Two credit units of **MUAP 208.1** Jazz Ensemble (Students must complete MUAP 208 twice.)

Choose **3 credit units** from the following:

- **EMUS 337.3** Jazz Pedagogy
- **ENG 206.3** An Introduction to Cultural Studies
- **ENG 368.3** Approaches to 20th and 21st Century Poetry
- **MUAP 206.1** Music as Theatre
- **MUAP 207.1** Chamber Ensemble
- MUAP 210.1

- **MUS 111.3** History of Popular Music
- **MUS 175.3** Jazz History Survey
- **MUS 307.3** Orchestration I
- MUS 325.3
- **MUS 386.3** Jazz Arranging

Rationale: This minor revision will allow for MUS 386.3 Jazz Arranging to count within the Jazz Certificate list of required courses which will increase flexibility for students and for Music's course planning.

Mathematics

Minor course revisions
MATH 223.3 Calculus III for Engineers
Prerequisite change:
Current prerequisite: MATH 124.3 or MATH 134.3.
Proposed prerequisite: One of MATH 124.3, MATH 134.3, MATH 116.3, or MATH 177.3.
Change to Note:
Current Note: Engineering students may take this course with prerequisite of MATH 110 and 116 if they seek permission of the Engineering Students' Centre. Arts & Science students majoring in Physics may receive permission to take this course by contacting the Department of Mathematics and Statistics. Students with credit for MATH 225 or 276 may not take this course for credit.
Proposed Note: Students with credit for MATH 225 or 276 may not take this course for credit.
Restriction change:
Current restriction: Enrollment in the College of Engineering.
Proposed restriction: Enrollment in the College of Engineering or major in Geophysics or Physics.
Rationale: MATH 225 and 226 have been deleted so the other 200-level multi-variable calculus courses, MATH 223, 224, 276 and 277 will be used to serve a larger group of programs.

MATH 224.3 Calculus IV for Engineers
Prerequisite change:
Current prerequisite: MATH 223.3 (taken).
Proposed prerequisite: MATH 223.3 or MATH 276.3.
Change to Note:
Current Note: Arts & Science students majoring in Physics may receive permission to take this course by contacting the Department of Mathematics and Statistics. Students with credit for MATH 226 may not take this course for credit.
Proposed Note: Students with credit for MATH 226 or 277 may not take this course for credit.
Restriction change:
Current restriction: Enrollment in the College of Engineering.
Proposed restriction: Enrollment in the College of Engineering or major in Geophysics or Physics.
Rationale: See MATH 223.3 above.

Modern Languages

Minor program revisions
Bachelor of Arts Four-year and Three-year in Modern Languages
1) Move requirement for 3cu of 100-level ENG to the A1 requirement; 2) Reduce primary language requirement by 6 credit units for the Four-year and 3 credit units for the 3 year; 3) Reduce LING requirement by 3 credit units; 4) Reduce Comparative Literature requirement by 3 credit units and correct typo in heading; 5) Revise secondary language requirement to allow students to choose from more than one language (Four-year program only); 6) Reflect the move of the 100-level ENG courses out of the General Requirement; 7) Increase the electives to reflect changes to the A1 and A4 requirements.

Bachelor of Arts Four-year (B.A. Four-year) - Modern Languages

A1 College Requirement (~~6~~ 9 credit units)

English Language Requirement

~~The English Language Writing requirement is met in the Major Requirement A4.~~

Choose **3 credit units** from the following:

- **ENG 110.6** Literature and Composition
- **ENG 111.3** Literature and Composition Reading Poetry
- **ENG 112.3** Literature and Composition Reading Drama
- **ENG 113.3** Literature and Composition Reading Narrative
- **ENG 114.3** Literature and Composition Reading Culture
- **ENG 120.3** Introduction to Creative Writing

If ENG 110 is chosen, 3 credit units will be used to fulfill the Arts Distribution Requirement (J3).

Indigenous Learning

Choose **3 credit units** from the following:
…

Quantitative Reasoning

Choose **3 credit units** from the following:
…

A4 Major Requirements (~~63~~ 48 credit units)

Primary Language (~~30~~ 24 credit units):

French

Choose **6 credit units** from the following:

- **FREN 103.3** Beginning French I
- **FREN 106.3** Beginning French II
- **FREN 122.3** Intermediate French I
- **FREN 125.3** Intermediate French II
- **FREN 212.3** Advanced French I
- **FREN 218.3** Advanced French II

Choose ~~24~~ 18 **credit units** from the following:

- **FREN - 200-Level, 300-Level or 400-Level**

Spanish

- **SPAN 114.3** Elementary Spanish I
- **SPAN 117.3** Elementary Spanish II
- **SPAN 214.3** Intermediate Spanish I Grammar Writing Literary Readings
- **SPAN 217.3** Intermediate Spanish II Grammar Writing Literary Skills
- **SPAN 314.3** Advanced Spanish I
- **SPAN 317.3** Advanced Spanish II

Choose ~~**12**~~ **6 credit units** from the following:

- **SPAN - 200-Level, 300-Level or 400-Level**

The Primary and Secondary Language choices must be different.
The department may also recognize language courses taken at other institutions on a case by case basis.

Linguistics (~~9~~ 6 credit units)

- **LING 111.3** Structure of Language

Choose ~~**6**~~ **3 credit units** from the following:

- **LING - 100-Level, 200-Level, 300-Level, 400-Level**

Comparative ~~Linguistics~~ Literature (~~6~~ 3 credit units)

Choose **3 credit units** from the following:

- **LIT 110.3** Journeys in Masterpieces of European Languages in English Translation
- **LIT 111.3** Rebellion in Masterpieces of European Languages in English Translation

Secondary Language (6 credit units)

Choose **6 credit units** ~~in a single language~~ from the following:

Courses in the primary language may not be used to fulfill this requirement.

- **ARBC 114.3** Beginning Arabic I
- **ARBC 117.3** Beginning Arabic II
- **CHIN 114.3** Introductory Chinese I
- **CHIN 117.3** Introduction to Chinese II
- **CREE 101.6** Introductory Cree
- GRK 112.3
- GRK 113.3
- **HEB 114.3** Introduction to Hebrew I
- HEB 117.3
- **JPNS 114.3** Introductory Japanese I
- **JPNS 117.3** Introductory Japanese II
- **LATN 112.3** Latin for Beginners I

- **LATN 113.3** Latin for Beginners II

French
- **FREN - 100-Level, 200-Level, 300-Level, 400-Level**

German
- **GERM - 100-Level, 200-Level, 300-Level, 400-Level**

Spanish
- **SPAN - 100-Level, 200-Level, 300-Level, 400-Level**

Ukrainian
- **UKR - 100-Level, 200-Level, 300-Level, 400-Level**

The department may also recognize language courses taken at other institutions on a case by case basis.

~~Note: The Primary and Secondary Language choices must be different.~~

General Requirements (~~12~~ 9 credit units)

~~Choose **3-6 credit units** from the following:~~

- ~~**ENG 110.6** Literature and Composition~~
- ~~**ENG 111.3** Literature and Composition Reading Poetry~~
- ~~**ENG 112.3** Literature and Composition Reading Drama~~
- ~~**ENG 113.3** Literature and Composition Reading Narrative~~
- ~~**ENG 114.3** Literature and Composition Reading Culture~~

Choose ~~6-9~~ 9 **credit units** from any of the following areas:

English
- **ENG — 100-Level, 200-Level, 300-Level, 400-Level**

French
- **FREN — 200-Level, 300-Level, 400-Level**

German
- **GERM — 200-Level, 300-Level, 400-Level**

Japanese

- JPNS— 200-Level, 300-Level, 400-Level

Linguistics
- **LING — 200-Level, 300-Level, 400-Level**

Spanish
- **SPAN — 200-Level, 300-Level, 400-Level**

Ukrainian
- **UKR — 200-Level, 300-Level, 400-Level**

Literary/Critical Theory

Courses in Literary/Critical Theory can be taken from other departments in the College but require Department of Languages, Literatures, and Cultural Studies approval prior to registering.

A5 Electives Requirement (~~39~~ 51 credit units)

Arts and Science courses, or those from other Colleges that have been approved for Arts and Science credit, to complete the requirements for 120 credit unit Four-year program. Of the 120 credit units required at least 66 must be at the 200-level or higher and no more than 60 in one subject.

If you require further assistance, please contact the Arts and Science Undergraduate Student Office.

Bachelor of Arts Three-year (B.A. Three-year) - Modern Languages

A1 College Requirement (~~6~~ 9 credit units)

English Language Requirement

~~The English Language Writing requirement is met in the Major Requirement A4.~~

Choose **3 credit units** from the following:

- **ENG 110.6** Literature and Composition
- **ENG 111.3** Literature and Composition Reading Poetry
- **ENG 112.3** Literature and Composition Reading Drama
- **ENG 113.3** Literature and Composition Reading Narrative
- **ENG 114.3** Literature and Composition Reading Culture
- **ENG 120.3** Introduction to Creative Writing

If ENG 110 is chosen, 3 credit units will be used to fulfill the Arts Distribution Requirement (J3).

Indigenous Learning

Choose **3 credit units** from the following:
…

Quantitative Reasoning

Choose **3 credit units** from the following:
…

A2 Breadth Requirement (9 credit units)

A3 Cognate Requirement (3 credit units)

A4 Major Requirements (~~48~~ 36 credit units)

Primary Language (~~24~~ 21 credit units):

French

Choose **6 credit units** from the following:

- **FREN 103.3** Beginning French I
- **FREN 106.3** Beginning French II
- **FREN 122.3** Intermediate French I
- **FREN 125.3** Intermediate French II
- **FREN 212.3** Advanced French I
- **FREN 218.3** Advanced French II

Choose ~~**18**~~ **15 credit units** FREN courses taught in the chosen primary language:

- **FREN — 200-Level, 300-Level, 400-Level**

Spanish

- **SPAN 114.3** Elementary Spanish I
- **SPAN 117.3** Elementary Spanish II
- **SPAN 214.3** Intermediate Spanish I Grammar Writing Literary Readings
- **SPAN 217.3** Intermediate Spanish II Grammar Writing Literary Skills
- **SPAN 314.3** Advanced Spanish I
- **SPAN 317.3** Advanced Spanish II

Choose ~~**6**~~ **3 credit units** from the following:

- **SPAN — 200-Level, 300-Level, 400-Level**

~~Note: The Primary and Secondary Language choices must be different.~~

Linguistics (~~6~~ 3 credit units)

- **LING 111.3** Structure of Language

~~Choose **3 credit units** from the following:~~

- ~~**LING — 100-Level, 200-Level, 300-Level, 400-Level**~~

Comparative Literature ~~Linguistics~~ (~~6~~ 3 credit units)

Choose **3 credit units** from the following:

- **LIT 110.3** Journeys in Masterpieces of European Languages in English Translation
- **LIT 111.3** Rebellion in Masterpieces of European Languages in English Translation

General Requirements (~~12~~ 9 credit units)

~~Choose **3-6 credit units** from the following:~~

- ~~**ENG 110.6** Literature and Composition~~
- ~~**ENG 111.3** Literature and Composition Reading Poetry~~
- ~~**ENG 112.3** Literature and Composition Reading Drama~~
- ~~**ENG 113.3** Literature and Composition Reading Narrative~~
- ~~**ENG 114.3** Literature and Composition Reading Culture~~

Choose ~~**6 9**~~ **9 credit units** from any of the following areas:

- **ARBC 114.3** Beginning Arabic I
- **ARBC 117.3** Beginning Arabic II
- **CHIN 114.3** Introductory Chinese I
- **CHIN 117.3** Introduction to Chinese II
- **CREE 101.6** Introductory Cree
- **CREE 110.3** nehiyawetan Let Us Speak Cree
- GRK 112.3
- GRK 113.3
- **HEB 114.3** Introduction to Hebrew I
- HEB 117.3
- **JPNS 114.3** Introductory Japanese I
- **JPNS 117.3** Introductory Japanese II
- **LATN 112.3** Latin for Beginners I
- **LATN 113.3** Latin for Beginners II

English
- **ENG — 100-Level, 200-Level, 300-Level, 400-Level**

French
- **FREN — 100-Level, 200-Level, 300-Level, 400-Level**

German
- **GERM — 100-Level, 200-Level, 300-Level, 400-Level**

Linguistics
- **LING — 200-Level, 300-Level, 400-Level**

Spanish
- **SPAN — 100-Level, 200-Level, 300-Level, 400-Level**

Ukrainian
- **UKR — 100-Level, 200-Level, 300-Level, 400-Level**

The department may also recognize language courses taken at other institutions on a case by case basis.

~~Note: The Primary and Secondary Language choices must be different.~~

A5 Electives Requirement (~~24~~ 33 credit units)

Arts and Science courses, or those from other Colleges which have been approved for Arts and Science credit, to complete the requirements for 90 credit unit Three-year program. Of the 90 credit units required at least 42 must be at the 200-level or higher and no more than 42 in one subject.

If you require further assistance, please contact the Arts and Science Undergraduate Student Office.

Rationale: Students have trouble completing the Modern Languages program in a timely manner and report problems with courses not being offered and scheduling conflicts. The program has had a higher number of credit units in the major requirement than average, and correcting this will help students complete on time. Students in the program can still take additional courses in the areas of the major within their electives requirement if they wish to have more depth in any area(s). The proposed revisions help to align the program with the teaching resources available in the department.

Philosophy

New course(s)
PHIL 367.3 Philosophy for Children in Education
SP/SU(3S-1P) A practical course focused on the relationship between philosophy and education through the experience of building communities of inquiry with children. Students will spend the first half of this course exploring the role of philosophy in education, with an emphasis on the Philosophy for Children movement. As a 'community of inquiry,' students will learn how to facilitate philosophical discussions with young people. In the latter half of the course, those skills will be put into practice with small groups of curious children.
Prerequisite(s): 3 credit units PHIL courses and completion of 24 credit units at the university level; or permission of the instructor.
Note: Students with credit for PHIL 398.3 Philosophy in Education may not take this course for credit.
Instructor(s): Sarah Hoffman, Erin Greer
Rationale: This course responds to student demand for more experiential learning opportunities in Philosophy. It offers undergraduate students an opportunity to participate in the delivery of the Philosophy for Children summer program that has developed in the past two years in partnership with the Saskatoon Open Door Society.

Physics

New course(s)
PHYS 355.3 Introduction to Nuclear Reactor Physics
2(3L) This course is an introduction to nuclear reactor physics, focused on fission reactors. After a basic review of neutron properties and nuclear reactions (resonances and direct processes), detailed considerations of neutron interactions with atomic nuclei and fission process will be discussed. Neutron transport in the reactor with reference to a thermal reactor will be discussed. Physics of fast neutron reactors will be addressed. The physics of nuclear fusion reactors will be introduced and distinguishing features of different types of water and modular reactors will be presented.
Prerequisite(s): PHYS 223.3
Instructor(s): Chary Rangacharyulu
Rationale: There is growing interest among students and society in nuclear reactors as the Province plans to install different types of nuclear reactors (e.g., BWRX300 and eVinci) to meet the future power needs. This future plans around nuclear power reactors drive a need to provide education on topics such as nuclear dynamics of reactors and physics parameters used to monitor and control the functioning of a reactor for various architectures. This course proposal will meet this need.

Regional and Urban Planning

Minor program revisions
Bachelor of Arts Honours and Four-year in Regional and Urban Planning
Add ECON 273.3 as an alternate to ECON 211.3; add ECON 348.3 as a required course; remove the requirement to take POLS 306.3 or 328.3; add PLAN 305 as an option in the list of senior PLAN course options; and update the list of POLS course options to remove POLS 226 and add POLS 310.3 and 328.3.

Bachelor of Arts Honours (B.A. Honours) - Regional and Urban Planning

B4 Major Requirement (63-66 credit units)

- **ECON 211.3** Intermediate Microeconomics or **ECON 273.3** Intermediate Microeconomic Theory
- **ECON 348.3** Urban Economics
- **GEOG 222.3** Geomatics
- **GEOG 240.3** Sustainable Cities and Regions
- **GEOG 280.3** Environmental Geography
- **PLAN 341.3** Urban Planning
- **PLAN 343.3** Legal Issues in Planning
- **PLAN 346.3** Introduction to Urban Design
- **PLAN 360.3** Urban Data Analysis and Visualization
- **PLAN 390.3** Research and Field Methods in Planning
- **PLAN 395.3** Planning History and Theory
- **PLAN 410.3** Planning Internship or **PLAN 411.0** Planning Work Placement
- **PLAN 442.3** Regional Planning
- **PLAN 490.3** Senior Planning Studio
- **PLAN 491.3** Honours Thesis in Planning
- **PLAN 495.3** Professional Planning Practice
- ~~**POLS 306.3** Local Governance and Policy or **POLS 328.3** Public Policy Analysis~~

Choose **6 credit units** from the following:

- **PLAN 305.3** Urban Design and Active Transportation
- **PLAN 429.3** Integrated Water Resource Planning
- **PLAN 441.3** Challenges in Urban Development
- **PLAN 445.3** Planning with Indigenous Communities
- **PLAN 446.3** Advanced Urban Design Studio
- **PLAN 481.3** Land Use and Transportation Planning

Choose **3 credit units** from the following:

- **ART 230.3** Video Art and Sound I
- **ART 231.3** Animation and Digital Space I
- **ART 235.3** Digital Imagery
- **ART 236.3** Digital and Integrated Practice II A

Choose **3 credit units** from the following:

- **COMM 104.3** Foundations of Business Statistics
- **EPSE 441.3** Introductory Statistics in Education
- **GE 210.3** Probability and Statistics
- **PLSC 214.3** Statistical Methods
- **PSY 233.3** Statistical Methods in Behavioural Sciences A
- **SOC 225.3** An Introduction to Survey Research and Data Analysis in Sociology
- **STAT 242.3** Statistical Theory and Methodology
- **STAT 244.3** Elementary Statistical Concepts
- **STAT 245.3** Introduction to Statistical Methods
- **STAT 246.3** Introduction to Biostatistics

Choose **3 credit units** from the following:

- **POLS 222.3** Indigenous Governance and Politics
- **POLS 225.3** Canadian Public Administration and Administrative Law
- ~~**POLS 226.3** Canadian Public Policy~~ (closed course)
- **POLS 310.3** Provincial and Municipal Politics
- **POLS 326.3** Comparative Public Policy
- **POLS 328.3** Public Policy Analysis

Choose **3 credit units** from the following:

- **SOC 202.3** Environmental Sociology
- **SOC 204.3** Rural Sociology and Rural Development
- **SOC 206.3** Sociology of Communities and Community Development

Bachelor of Arts Four-year (B.A. Four-year) - Regional and Urban Planning
B4 Major Requirement (60-63 credit units)

- **ECON 211.3** Intermediate Microeconomics or **ECON 273.3** Intermediate Microeconomic Theory
- **ECON 348.3** Urban Economics
- **GEOG 222.3** Geomatics
- **GEOG 240.3** Sustainable Cities and Regions
- **GEOG 280.3** Environmental Geography
- **PLAN 341.3** Urban Planning
- **PLAN 343.3** Legal Issues in Planning
- **PLAN 346.3** Introduction to Urban Design
- **PLAN 360.3** Urban Data Analysis and Visualization
- **PLAN 390.3** Research and Field Methods in Planning
- **PLAN 395.3** Planning History and Theory
- **PLAN 410.3** Planning Internship or **PLAN 411.0** Planning Work Placement
- **PLAN 442.3** Regional Planning
- **PLAN 490.3** Senior Planning Studio
- **PLAN 495.3** Professional Planning Practice
- ~~**POLS 306.3** Local Governance and Policy or **POLS 328.3** Public Policy Analysis~~

Choose **6 credit units** from the following:

- **PLAN 305.3** Urban Design and Active Transportation
- **PLAN 429.3** Integrated Water Resource Planning
- **PLAN 441.3** Challenges in Urban Development
- **PLAN 445.3** Planning with Indigenous Communities
- **PLAN 446.3** Advanced Urban Design Studio
- **PLAN 481.3** Land Use and Transportation Planning

Choose **3 credit units** from the following:

- **ART 230.3** Video Art and Sound I
- **ART 231.3** Animation and Digital Space I
- **ART 235.3** Digital Imagery
- **ART 236.3** Digital and Integrated Practice II A

Choose **3 credit units** from the following:

- **COMM 104.3** Foundations of Business Statistics
- **EPSE 441.3** Introductory Statistics in Education
- **GE 210.3** Probability and Statistics
- **PLSC 214.3** Statistical Methods
- **PSY 233.3** Statistical Methods in Behavioural Sciences A
- **SOC 225.3** An Introduction to Survey Research and Data Analysis in Sociology
- **STAT 242.3** Statistical Theory and Methodology
- **STAT 244.3** Elementary Statistical Concepts
- **STAT 245.3** Introduction to Statistical Methods
- **STAT 246.3** Introduction to Biostatistics

Choose **3 credit units** from the following:

- **POLS 222.3** Indigenous Governance and Politics
- **POLS 225.3** Canadian Public Administration and Administrative Law
- ~~**POLS 226.3** Canadian Public Policy~~ (closed course)
- **POLS 310.3** Provincial and Municipal Politics
- **POLS 326.3** Comparative Public Policy
- **POLS 328.3** Public Policy Analysis

Choose **3 credit units** from the following:

- **SOC 202.3** Environmental Sociology
- **SOC 204.3** Rural Sociology and Rural Development
- **SOC 206.3** Sociology of Communities and Community Development

Rationale: ECON 348.3 used to be in the B4 major requirements for the program but was removed after the professor who taught it regularly retired and was not replaced in the short term. As of July 1, 2025 a new tenure-track faculty member was hired in the Department of Economics and the course will be offered again beginning in 2026.
ECON 273.3 Intermediate Microeconomic Theory is interchangeable with ECON 211.3 as a prerequisite for ECON 348.3 and as a course to achieve an intermediate knowledge of microeconomics. Adding it as an option to ECON 211.3 gives students choice on how to acquire that knowledge.
Course revisions have been approved for POLS courses, and those are reflected here. With the reintegration of ECON 348, and a desire not to raise the credit unit total in B4, two POLS requirements have been combined.
PLAN 305 is a relevant course for the program and appropriate to be included in the list of senior PLAN options.

Sociology

Minor program revisions
Bachelor of Arts Honours in Sociology
In the B4 Major Requirement replace SOC 332.6 with SOC 335.3 (proposed below) and adjust the restricted elective credit units to maintain the current overall count for that requirement.

Bachelor of Arts Honours (B.A. Honours) - Sociology
B4 Major Requirement (51 credit units)

- **SOC 111.3** Foundations in Sociology Society Structure Process
- **SOC 112.3** Foundations in Sociology Social Construction of Everyday Life
- **SOC 225.3** An Introduction to Survey Research and Data Analysis in Sociology or **PSY 233.3** Statistical Methods in Behavioural Sciences A or **STAT 244.3** Elementary Statistical Concepts***
- **SOC 232.3** Methods of Social Research*
- **SOC 233.3** Introduction to Sociological Theory**
- **SOC 303.6** History of Sociological Theory
- **SOC 325.3** Applied Quantitative Research in Sociology***
- ~~**SOC 332.6** Principles of Research Design~~
- **SOC 335.3** Critical Approaches to Social Research

* Should be taken as early as possible in the program and before any course at the 300- or 400-level

** Recommended to be taken as early as possible in the program and before any course at the 300- or 400-level

***Though not recommended, other courses from the **Statistics Course Regulations** may be used to replace:

1. SOC 225, PSY 233 or STAT 244 (i.e. one other 3 credit unit course selected from list “b” in the Regulations). In this case, the selected course will be counted toward the B4 Major Requirement.
2. SOC 325 (i.e. one other 3 credit unit course selected from list “c” in the Regulations). In this case, the selected course will be counted toward the B4 Major Requirement.

Choose ~~21~~ **24 credit units** from the following:

At least **9 credit units** must be at the 400-level

- **POLS 250.3** Understanding the State in a Global Era
- **SOC — 200-Level, 300-Level, 400-Level**

Rationale: Moving from a 6 credit unit research course to a 3 credit unit one will offer greater flexibility and accessibility for students. The one-term course allows students to complete their degree requirements more efficiently while providing opportunities to tailor their Honours experience to their individual interests and career goals. This change also brings the structure of our Honours program into closer alignment with research-intensive universities across Canada, ensuring consistency in expectations while maintaining the depth and rigor of our methodological training.

New course(s)
SOC 335.3 Critical Perspectives on Research Design
1/2(3S) This course provides an advanced examination of research design in the social sciences. Building on prior methodological training, students explore major debates, motivations, and challenges in social research. The focus is on developing the ability to critically evaluate research methods and findings—understanding what can and cannot be inferred from specific designs. Students gain a broad foundation for the critical consumption of contemporary research and, for those interested, the preparation to produce evidence-based knowledge.
Prerequisite(s): SOC 225.3 (or equivalent) and SOC 232.3.

Note: Students with credit for SOC 332.6 may not take this course for credit.
Instructor(s): Timothy Kang, Laura Wright, Elizabeth Quinlan, Scott Thompson, Jennifer Poudrier
Rationale: See Sociology program revision above.

Course deletion
SOC 332.6 Principles of Research Design
Rationale: This course will be replaced by SOC 335.3 (proposed above).

Minor course revisions
SOC 410.3 Sociology Undergraduate Thesis
Prerequisite change: 6 credit units senior SOC including SOC 332 (or its equivalent within another closely related discipline) and admission to the Honours program in Sociology (or a related discipline); or by special permission from the instructor.
Current prerequisite: 6 credit units senior SOC including SOC 332 or SOC 335 (or its equivalent within another closely related discipline) and admission to the Honours program in Sociology (or a related discipline); or by special permission from the instructor.
Rationale: SOC 332.6 proposed to be replaced by SOC 335.3.

Study of Indigenous Storytelling

Minor program revisions
Add ENG 412.3 to the course options.

Study of Indigenous Storytelling - Certificate
Requirements (21 credit units)

- **ENG 242.3** Indigenous Storytelling of the Prairies
- **INDG 107.3** Introduction to Canadian Indigenous Studies

Choose **3 credit units** from the following:

- **ENG — 100-Level**

Choose **12 credit units** from the following:

- **DRAM 111.3** Practicum I Indigenous Performance Methods
- **DRAM 231.3** Introduction to Indigenous Playwriting
- **ENG 243.3** Introduction to Indigenous Literatures
- **ENG 335.3** The Emergence of Indigenous Literatures in Canada
- **ENG 338.3** Contemporary North American Indigenous Literatures
- **ENG 412.3** Topics in Indigenous Literatures
- **INDG 215.3** Metis Political and Poetic Writing
- **INDG 270.6** Literature of Native North America

Rationale: ENG 412.3 is a recently approved course that is relevant to this area. This revision will provide greater flexibility for students.

Toxicology

Minor program revisions
Bachelor of Science Honours and Four-year and Minor in Toxicology
In the C4 Major Requirement (Honours and Four-year) add ENVS 400 as an alternative to TOX 400.3. In the Minor add ENVS 400 as a course option.

Bachelor of Science Honours (B.Sc. Honours) - Toxicology
C4 Major Requirement (57 credit units)

Note: Students are strongly encouraged to consult the undergraduate academic advisor in Toxicology on course selection early in their program, to receive assistance in choosing an area of focus.

- **BIOL 226.3** Genes to Genomics
- **BMSC 220.3** Cell Biology
- **BMSC 200.3** Biomolecules (formerly **BIOC 200.3**)
- **CHEM 250.3** Introduction to Organic Chemistry
- **CHEM 375.3** Environmental Chemistry
- **TOX 220.3** Toxicology in Practice
- **TOX 300.3** General Principles of Toxicology (formerly VBMS 300)
- **TOX 301.3** Environmental Toxicology
- ~~**TOX 400.3** Quantitative Toxicology~~
- **TOX 490.0** Toxicology Seminar

Choose **6 credit units** from the following:

- **BIOL 224.3** Animal Body Systems and **BIOL 317.3** Fundamentals of Animal Physiology
- **BMSC 207.3** Human Body Systems I and **BMSC 208.3** Human Body Systems II

Choose **3 credit units** from the following:

- **BIOL 228.3** Ecology in a Changing World (formerly BIOL 253)
- **PLSC 213.3** Principles of Plant Ecology

Choose **3 credit units** from the following:

- **BIOL 222.3** The Living Plant
- **BIOL 373.3** Community Ecology
- **BMSC 240.3** Laboratory Techniques

Choose **3 credit units** from the following:

- ENVS 400.3 Quantitative Environmental Assessment
- **TOX 400.3** Quantitative Toxicology

Choose **18 credit units** from the following:

TOX 480.3 Toxicology Research and **TOX 481.6** Toxicology Research are only open to Honours students in the fourth year of their program, unless special permission has been received from the Toxicology

Academic Advisor. **TOX 461.3** Applied Toxicology is recommended for students wishing to pursue graduate studies in toxicology.

- **200-Level, 300-Level or 400-Level TOX Courses**

- **ANBI 420.3** Comparative Animal Endocrinology
- **BIOL 475.3** Ecological Toxicology
- **EVSC 420.3** (formerly SLSC 420)
- **EVSC 421.3** Contaminated Site Management and Remediation
- **GEOG 386.3** Environmental Impact Assessment

Bachelor of Science Four-year (B.Sc. Four-year) - Toxicology
C4 Major Requirement (57 credit units)

Note: Students are strongly encouraged to consult the undergraduate academic advisor in Toxicology on course selection early in their program, to receive assistance in choosing an area of focus.

- **BIOL 226.3** Genes to Genomics
- **BMSC 220.3** Cell Biology
- **BMSC 200.3** Biomolecules (formerly **BIOC 200.3**)
- **CHEM 250.3** Introduction to Organic Chemistry
- **CHEM 375.3** Environmental Chemistry
- **TOX 220.3** Toxicology in Practice
- **TOX 300.3** General Principles of Toxicology (formerly VBMS 300)
- **TOX 301.3** Environmental Toxicology
- ~~**TOX 400.3** Quantitative Toxicology~~
- **TOX 490.0** Toxicology Seminar

Choose **6 credit units** from the following:

- **BIOL 224.3** Animal Body Systems and **BIOL 317.3** Fundamentals of Animal Physiology
- **BMSC 207.3** Human Body Systems I and **BMSC 208.3** Human Body Systems II

Choose **3 credit units** from the following:

- **BIOL 228.3** Ecology in a Changing World (formerly BIOL 253)
- **PLSC 213.3** Principles of Plant Ecology

Choose **3 credit units** from the following:

- **BIOL 222.3** The Living Plant
- **BIOL 373.3** Community Ecology
- **BMSC 240.3** Laboratory Techniques

Choose **3 credit units** from the following:

- ENVS 400.3 Quantitative Environmental Assessment
- **TOX 400.3** Quantitative Toxicology

Choose **18 credit units** from the following:

TOX 480.3 Toxicology Research and **TOX 481.6** Toxicology Research are only open to Honours students in the fourth year of their program, unless special permission has been received from the Toxicology Academic Advisor. **TOX 461.3** Applied Toxicology is recommended for students wishing to pursue graduate studies in toxicology.

- **200-Level, 300-Level or 400-Level TOX Courses**
- **ANBI 420.3** Comparative Animal Endocrinology
- **BIOL 475.3** Ecological Toxicology
- **EVSC 420.3** (formerly SLSC 420)
- **EVSC 421.3** Contaminated Site Management and Remediation
- **GEOG 386.3** Environmental Impact Assessment

Toxicology - Minor
Requirements (21 credit units)

- **TOX 300.3** General Principles of Toxicology
- **TOX 301.3** Environmental Toxicology

Restricted Electives

Choose **6 credit units** from the following:

- ENVS 400.3 Quantitative Environmental Assessment
- **TOX 302.3** Introduction to Aquatic Toxicology
- **TOX 310.3** Radiation and Radionuclide Toxicology
- TOX 320.3
- **TOX 321.3** Risk Assessment and Regulatory Toxicology
- **TOX 400.3** Quantitative Toxicology
- **TOX 402.3** Systemic Toxicology
- **TOX 403.3** Biotoxins
- **TOX 412.3** Toxicology of Industrial Pollutants
- **TOX 461.3** Applied Toxicology

Choose **9 credit units** from the following:

- **BIOL 224.3** Animal Body Systems; or both of **BMSC 207.3** Human Body Systems I and **BMSC 208.3** Human Body Systems II
- **BIOL 412.3** Limnology
- **BIOL 475.3** Ecological Toxicology
- **CHEM 375.3** Environmental Chemistry
- ENVS 400.3 Quantitative Environmental Assessment
- EVSC 420.3
- **EVSC 421.3** Contaminated Site Management and Remediation
- **GEOG 351.3** Northern Environments
- **GEOG 380.3** Environmental Geography of the Circumpolar North
- **GEOG 386.3** Environmental Impact Assessment
- TOX 200.3
- **TOX 302.3** Introduction to Aquatic Toxicology
- **TOX 310.3** Radiation and Radionuclide Toxicology

- TOX 320.3
- **TOX 321.3** Risk Assessment and Regulatory Toxicology
- **TOX 400.3** Quantitative Toxicology
- **TOX 402.3** Systemic Toxicology
- **TOX 403.3** Biotoxins
- **TOX 412.3** Toxicology of Industrial Pollutants
- **TOX 461.3** Applied Toxicology

Rationale: ENVS 400.3 has been proposed by the College of Agriculture and Bioresources and will list TOX 400 as an equivalent course.

Minor course revisions
TOX 110.3 Poisons and Pollutants
Change to Note:
Current Note: Students may not have more than 75 credit units of university courses before registering in this course. Students with credit for TOX 200.3 or TOX 220.3 may not take this course for credit.
Proposed Note: Students with credit for TOX 200.3 or TOX 220.3 may not take this course for credit.
Rationale: The 75 credit unit restriction is no longer required as a method to limit course enrolment to first- and second-year students. There is no way for the registration system to enforce this restriction so it creates confusion for students and a lot of manual work for staff and faculty.

The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge and are now submitted to the University Course Challenge for information.

Drama

Minor course revisions
DRAM 210.3 Technical Theatre III Costume Construction
DRAM 213.3 Technical Theatre IV Stage Management
Change to course hours:
Current course hours: 3 Lecture hours and 3 Practicum/Lab hours
Proposed course hours: 2 Lecture hours and 2 Practicum/Lab hours
Rationale: This change reflects how the courses have been offered for the last few years.

DRAM 219.3 Acting IV Scene Study and Textual Analysis for the Stage
Prerequisite change:
Current prerequisite: DRAM 216 or 218
Proposed prerequisite: DRAM 119.3
Change to course hours:
Current course hours: 4 Lecture hours and 2 Practicum/Lab hours
Proposed course hours: 1 Lecture hours and 3 Practicum/Lab hours
Rationale: DRAM 218 and DRAM 219 are taught so they can be taken in either order and the prerequisite change will ensure that can happen. This change reflects how the course has been offered for the last few years.

DRAM 220.3 Theatre Design I Introduction
DRAM 221.3 Theatre Design II Introduction
DRAM 320.3 Theatre Design III Intermediate
DRAM 320.3 Theatre Design IV Intermediate
Change to course hours:
Current course hours: 2 Lecture hours and 4 Practicum/Lab hours

Proposed course hours: 3 Lecture hours and 3 Practicum/Lab hours
Rationale: This change reflects how the courses have been offered for the last few years.

DRAM 231.3 Introduction to Indigenous Playwriting
Change to course hours:
Current course hours: SP/SU 3 Practicum/Lab hours and 1 Tutorial hours
Proposed course hours: 3 Practicum/Lab hours
Rationale: This change reflects how the course has been offered for the last few years both in terms of course hours and that it is no longer offered during the Spring/Summer terms.

DRAM 324.3 Acting V
DRAM 325.3 Acting VI
Change to course hours:
Current course hours: 6 Practicum/Lab hours
Proposed course hours: 4.5 Practicum/Lab hours
Rationale: This change reflects how the course has been offered for the last few years.

DRAM 418.3 Acting VII
Change to course hours:
Current course hours: 6 Practicum/Lab hours
Proposed course hours: 1 Lecture hours and 3 Practicum/Lab hours
Rationale: This change reflects how the course has been offered for the last few years.

DRAM 419.3 Acting VIII
Change to course hours:
Current course hours: 6 Practicum/Lab hours
Proposed course hours: n/a
Rationale: This course requires 4th year students to act in a Greystone Theatre performance. The course does not run for the full term, but is condensed into a 6 week period during which they rehearse in the evening. Rehearsals are 6-10pm, but not all students are required at every rehearsal so the time varies.

Economics

Minor course revisions
ECON 348.3 Urban Economics
Prerequisite change:
Current prerequisite: ECON 211 or ECON 273; and one of MATH 104, MATH 110, MATH 121, MATH 123, MATH 125, or MATH 176.
Proposed prerequisite: ECON 211.3 or ECON 273.3.
Rationale: This course is now being taught in a way that does not require a background in calculus.

Mathematics

MATH 313.3 Numerical Linear Algebra
Prerequisite change:
Current prerequisite: MATH 164 or MATH 266; and MATH 211.
Proposed prerequisite: MATH 211.3
Rationale: MATH 164 has been a prerequisite for both MATH 211 and 266 since 2019-20, so almost all current students with credit for 211 also have 164. MATH 211 (with the MATH 164 prerequisite) is sufficient so MATH 164 and 266 no longer need to be listed.

MATH 327.3 Graph Theory
MATH 328.3 Combinatorics and Enumeration
Prerequisite change:
Current prerequisite: MATH 164.3 or MATH 266.3; and CMPT 260.3 or 6 credit units 200-level MATH.
Proposed prerequisite: MATH 164.3; and CMPT 260.3, CMPT 263.3, STAT 241.3, or 3 credit units 200- or 300-level MATH.
Rationale: CMPT 260 was recently replaced by CMPT 263. MATH 164 has been a prerequisite for MATH 266 since 2019-20, so almost all current students with credit for 266 also have 164, which is sufficient. This revision also addresses an existing asymmetry in the prerequisite requirements where some students needed 2 courses and others needed 3. Finally, STAT 241 is added as a relevant prerequisite which will also allow more students in Statistics to access this course.

MATH 336.3 Mathematical Modelling I
Prerequisite change:
Current prerequisite: MATH 164.3 or MATH 266.3; and MATH 211.3, and STAT 241.3, and (MATH 224.3) or (MATH 225.3 and MATH 226.3) or (MATH 277.3).
Proposed prerequisite: MATH 164.3; MATH 211.3; STAT 241.3; and one of MATH 224.3, MATH 226.3 or MATH 277.3.
Rationale: MATH 164 has been a prerequisite for both MATH 211 and 266 since 2019-20, so almost all current students with credit for 211 also have 164. MATH 164 is sufficient so MATH no longer needs to be listed.

MATH 339.3 Differential Equations and Special Functions
Prerequisite change:
Current prerequisite: MATH 223 and MATH 224; or MATH 225 and MATH 226; or MATH 238 and MATH 276; or approval of the instructor.
Proposed prerequisite: MATH 224.3; or MATH 226.3; or MATH 277.3; or MATH 238.3 and MATH 276.3; or approval of the instructor.
Change to course hours:
Current course hours: 3 Lecture hours and 1.5 Practicum/Lab hours
Proposed course hours: 3 Lecture hours
Rationale: MATH 225 and 226 have been deleted, so students now need alternate pathways to access this course. The lab for this course is not necessary and has not been scheduled in recent years.

MATH 379.3 Complex Analysis
Prerequisite change:
Current prerequisite: MATH 225 and 226; or MATH 238 and 277.
Proposed prerequisite: One of MATH 224.3, MATH 226.3, or MATH 277.3; or permission of the instructor.
Rationale: MATH 225 and 226 have been deleted, so students now need alternate pathways to access this course.

Item for Information – Correction from November 2025

Political Studies

New course(s)
POLS ~~307.3~~ 310.3 Provincial and Municipal Politics
1/2-3L This course will examine provincial and municipal politics in Saskatchewan and Canada. Students will learn about the policies of provincial and municipal governments as well the political environments in which these governments operate. The provincial and municipal politics of Saskatchewan will be a special

focus of the class and considerable time will be devoted to exploring Saskatchewan politics and comparing Saskatchewan to other Canadian provinces.
Prerequisite(s): 12 credit units of POLS and/or IS; or 36 credit units at the university level, including at least 6 credit units of ANTH, ENG, HIST, INDG, IS, POLS, RLST, SOC or WGST
Note: Students with credit for POLS 305.3 or POLS 306.3 may not take this course for credit.
Instructor(s): David McGrane
Rationale: This course is being created as an amalgamation of POLS 305 (Provincial Politics) and POLS 306 (Local Governance and Policy). The department no longer has the faculty resources to offer both courses but it is important for POLS and Regional and Urban Planning students that we continue to offer an introduction to provincial and municipal government.

Course deletions
POLS 305.3 Provincial Politics and Policy
POLS 306.3 Local Governance and Policy
Rationale: These courses will be replaced by POLS ~~307.3~~ 310.3, proposed above.

The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge and are now submitted to the University Course Challenge for information.

Academic Policies

Concurrent and Second Degree Programs

Programs in Arts & Science and in other colleges of this University may be combined to enable the student to obtain more than one degree in less time than if the two programs were taken separately. Students intending to complete degrees from Arts & Science and from another college should be aware that they must be admitted to the other college before they can receive the other college degree. It is possible to complete an Arts & Science degree while registered as a student in another college.

Definitions:

- For students taking both/all programs in Arts and Science, the programs are considered to be concurrent if the student is taking courses in the core/major requirement or certificate requirement of the second program while completing the first program **and** the student declares the second program prior to graduating from the first.
- For students taking a degree in Arts and Science and a certificate in another college, the usual rules apply to the degree program. The student is responsible to follow rules of the other college with regard to the certificate program.
- For students taking a degree program in another college and a degree program in Arts and Science, the programs will be treated as concurrent if the student is taking courses in the core or major requirements of the Arts and Science degree while completing their first program **and** the student has communicated their intent to complete the Arts and Science degree to the Undergraduate Student Office.
- For students taking a degree program in another college and a certificate program in Arts and Science, the programs are concurrent if the student has declared the certificate program prior to graduating from the degree in the other college.

- In all cases, if a student has graduated from the first program before qualifying for consideration as concurrent, the second degree program rules will apply.

Students who wish to follow a Concurrent or Second Degree Program ~~are advised to~~ must consult the Undergraduate Student Office of the College of Arts & Science to ascertain the precise course requirements.

When applying the following regulations, “B.Sc. degree” refers to both B.Sc. and B.Sc. (BMSC) degree programs. Rules for combining a B.Sc. and a B.Sc., a B.Sc. (BMSC) and a B.Sc. (BMSC), or a B.Sc. and a B.Sc. (BMSC) are all the same.

The duration of the Concurrent or Second Degree Program and the course requirements are determined by the following regulations:

Concurrent Degree Program Regulations

1. *Residency requirement:* Students must meet the residency requirements for the College of Arts & Science.
2. *Additional credit requirements*: Students pursuing a B.A., B.A.&Sc., B.F.A., B.Mus., or B.Sc. degree in addition to another different degree, must complete at least 30 Arts & Science credit units not used for the other degree. These additional Arts & Science credits are required regardless of the number of Arts & Science courses included in the program leading to the first degree. These courses must be allowable for credit in the College of Arts & Science.
3. *Program requirement:* Students must satisfy all program requirements and the graduation standards for the degree being attempted.
   Note: In some cases, these regulations may mean that students are required to take more than the minimum 90 credit units for a Three-year degree or more than 120 credit units for a Four-year or Honours degree. The credit units which are in excess of the 90 or 120 may or may not be in the subject of the major.
4. For students completing an Arts & Science degree and a degree from another college, the number of senior (200-level, 300-level and 400-level) credit units required is dependent on the courses chosen for the degree in the other college. To determine requirements for the second degree, **students must consult the Undergraduate Student Office, College of Arts & Science**, prior to their final year.
5. *Date of commencement of a concurrent degree or certificate program:*
   a. The date of commencement for the second (or higher) Arts and Science degree program taken concurrently by Arts and Science students will follow the same rules as the first program. Students must have completed at least 30 credit units with a minimum C.W.A. of 60% to be eligible to declare more than one degree.
   b. The date of commencement for an Arts and Science certificate program taken concurrently by Arts and Science students will be determined by the term in which the student took the first course toward fulfillment of the certificate requirements.
   c. The date of commencement for a concurrent Arts and Science degree taken by a student admitted to another college at the University of Saskatchewan will be determined by the term in which the student took the first course in the Arts and Science Core or Major Requirement **and** the date of communication with the Arts and Science Undergraduate Student Office to confirm that the student is working toward the additional degree. (If either of these criteria occur after the student graduates with the degree from the other college the Second Degree rules will apply.)
   d. The date of commencement for a concurrent Arts and Science certificate taken by a student admitted to another college at the University of Saskatchewan will be determined by the term in which the student took the first course toward fulfillment of the certificate

requirements **and** the date the student declares the certificate program. (If either of these criteria occur after the student graduates from their priority 1 degree/certificate from the other college the Second Degree rules will apply.)

6. The overall and major Cumulative Weighted Averages (C.W.A.) for Arts & Science graduation are calculated on grades from all University of Saskatchewan courses taken, including any course from another college which credits toward the Arts & Science degree and all Arts & Science courses taken while in another college. This means that the average will include all courses which transfer to the College of Arts & Science, even if they exceed the minimum number of credit units required for the Second Degree program requirements. Under certain restrictions, failures and marks below 60% will be excluded from the average if these courses have been retaken in accordance with the rules of the College. See "Cumulative Weighted Average" in this section.
7. Students who have completed a B.A. Type A (Humanities) prior to a B.Sc. (Science) are exempt from the Humanities Writing Requirement included in B.Sc. programs from 2005-2006 to 2019-2020.

Second Degree Program Regulations

1. *Residency requirement:* Students must meet the residency requirements for the College of Arts & Science.
2. *Additional credit requirements*: Students pursuing a B.A., B.A.&Sc., B.F.A., B.Mus., or B.Sc. degree in addition to another different degree, must complete at least 30 Arts & Science credit units not used for the other degree. These additional Arts & Science credits are required regardless of the number of Arts & Science courses included in the program leading to the first degree. These courses must be allowable for credit in the College of Arts & Science.
3. *Program requirement:* Students must satisfy all program requirements and the graduation standards for the degree being attempted.
   Note: In some cases, these regulations may mean that students are required to take more than the minimum 90 credit units for a Three-year degree or more than 120 credit units for a Four-year or Honours degree. The credit units which are in excess of the 90 or 120 may or may not be in the subject of the major.
4. For students completing an Arts & Science degree and a degree from another college, the number of senior (200-level, 300-level and 400-level) credit units required is dependent on the courses chosen for the degree in the other college. To determine requirements for the second degree, **students must consult the Undergraduate Student Office, College of Arts & Science**, prior to their final year.
5. *Date of commencement of a second degree program:*
   a. Once a degree has been received, who have **18 credit units or fewer** remaining to fulfill the requirements of their chosen second degree may follow the program requirements listed in the Catalogue year in which they successfully completed the first course in the new Major Requirement, provided that such students will complete their program requirements within 10 years from this date of commencement. If the date of commencement is more than 10 years from the date of completion, students will be required to meet the program requirements from a Catalogue year within the 10-year limit.
   b. Students who have received a degree and have **more than 18 credit units** remaining to fulfill the requirements of their chosen second degree must complete the program requirements and the graduation standards which are in place for the academic session following their graduation. It is expected that students will complete their second degree program within 10 years. Students taking longer than 10 years to complete their second degree will be required to meet the current program requirements.
6. The overall and major Cumulative Weighted Averages (C.W.A.) for Arts & Science graduation are calculated on grades from all University of Saskatchewan courses taken, including any course from another college which credits toward the Arts & Science degree and all Arts & Science courses taken while in another college. This means that the average will include all courses which transfer to the College of Arts & Science, even if they exceed the minimum number of credit units

required for the Second Degree program requirements. Under certain restrictions, failures and marks below 60% will be excluded from the average if these courses have been retaken in accordance with the rules of the College. See "Cumulative Weighted Average" in this section.

7. Students who have completed a B.A. Type A (Humanities) prior to a B.Sc. (Science) are exempt from the Humanities Writing Requirement included in B.Sc. programs from 2005-2006 to 2019-2020.

Concurrent Programs – Priority

When students work to complete the requirements of more than one program at the same time, they are completing *concurrent* programs. Arts and Science students can declare concurrently a maximum of six degree or certificate programs. All programs must be declared in the student record through consultation with the Undergraduate Student Office.

Each program is given a priority number, with the lowest priority number (priority 1) being deemed the primary program. If a student is taking two degree programs, the first declared will be primary. If a student is taking a degree and a certificate(s), the degree will always be primary.

…

Registration & Course Selection

Prerequisites

It is the responsibility of the student to verify prerequisites before registration. Students may register only in the courses for which prerequisites have been satisfied. For example, students must complete Chemistry 30 (or equivalent) before registering in CHEM 112.3. High school prerequisites for university courses are listed in the course descriptions in the Course and Program Catalogue.

Students enrolled in courses for credit are required to have satisfied the stated prerequisites or, in exceptional cases, to have obtained a **prerequisite waiver** approved by the instructor or department head. Please be aware, prerequisite waivers must be approved prior to attending the class. Only students with a minimum Arts & Science C.W.A. of 65% will be considered for a prerequisite waiver. Students who do not have the prerequisites or approved prerequisite waivers are expected to withdraw from the course. Failure to do so will result in removal from the course. ~~Students who do not withdraw may have their registration cancelled by the Undergraduate Student Office or may be denied credit for the course.~~

Students with a deferred exam from the previous term will be removed from a course if they receive a failing grade after completion of the deferred exam in the prerequisite course. Students are responsible for the cost of tuition even if the deferred grade is reported and registration is cancelled after the deadline to receive a full/partial tuition rebate.

> *For example, a student who takes PHYS 115.3 in Fall Term is eligible to register for PHYS 117.3 in the subsequent Winter Term. If granted a deferred examination, it will be written during the Winter Mid-Term Break (week of the third Monday of February), so the final grade in PHYS 115.3 will not be reported until late February or early March. If the student does not receive a passing grade in PHYS 115.3 at that point they will be required to drop or be removed from PHYS 117.3, as they are no longer eligible to register in that course. The last deadline to receive any tuition refund falls at the end of January, so this student will be responsible for the full tuition charged for PHYS 117.3.*

Maximum Junior Credit Units by Subject

Late Enrolment Policy

Late enrolment overrides are only intended for students who experience an extenuating circumstance that prevents them from completing their registration by the class registration deadlines established by the university. Financial holds are not considered to be an extenuating circumstance.

To be eligible for a late enrolment request, students must also satisfy all the following criteria:

- completion of at least 30 credit units,
- a Cumulative Weighted Average (C.W.A.) of at least 60%, and
- approval of the instructor.

Deadlines for submitting late enrolment requests for Arts and Science courses are:

- Fall Term, Winter Term, or Fall/Winter-term classes: No later than 21 days following the first day of class.
- Spring or Summer Quarter classes: No later than 3 days following the first day of classes.
- Spring or Summer Term classes (full term) and Spring/Summer Multi-term classes: No later than 7 days following the first day of classes.
- Spring or Summer Multi-term classes: No later than 7 days following the first day of classes.

Late submissions will not be considered.

Eligible requests will be considered on a case-by-case basis and approval will be at the discretion of the College of Arts & Science.

Maximum Number of Credit Units
Junior and Senior Courses
Primary Degree Program Requirement (Course) Replacement Policy

This policy details the Arts & Science college-level rules to approve replacing a required courses with another for the purposes of completing a primary degree major~~,~~ or minor being completed as part of that degree. ~~or certificate:~~ This policy does not apply to Statistics courses, which are covered separately by the Statistics Course Regulations.

Substitution: Course substitutions are only offered when a required course has been closed or when a required course is not available in a student's final year of study. Requests for course substitutions will be assessed on a case-by-case basis. ~~This policy does not apply to Statistics courses, which are covered separately by the Statistics Course Regulations.~~

Transfer credit in lieu: When a student has received approval for generic transfer credit (i.e. SUBJ JR/SR/UNSP), they may approach the department/school to determine if this credit fulfills a program requirement(s). The student may require prerequisite overrides to register in subsequent courses that will now use the replacement course(s) as a prerequisite.

Course in lieu: In cases where a required course is not offered, without warning, and a student's progression would be delayed by having to wait to take the course in a subsequent year, the department/school and the UGSO may work together to select a replacement course. The student may require prerequisite overrides to register in subsequent courses that will now use the replacement course as a prerequisite.

In all cases, a failing grade in a required course is not sufficient grounds to seek a substitution, transfer credit in lieu, or course in lieu.

All course substitution requests must be submitted by the appropriate faculty member with a rationale outlining the reasoning surrounding the equality of the two courses in meeting the requirements of the program. Replacement courses must be closely related (subject, topic, and/or level) to the original course. All requests must be signed off by both the student and the department head and submitted to the Undergraduate Student Office one week prior to the registration deadline for the term in which the substitute course is to be taken.

Primary Certificate Program Requirement (Course) Replacement Policy

Though Certificate programs are comprised of 15-30 credit units, course prerequisites usually require that the coursework be spread over more than two academic terms. This policy does not apply to Statistics courses, which are covered separately by the Statistics Course Regulations.

Substitution: Course substitutions are only offered when a required course has been closed or when a required course is not available in the third consecutive (or higher) year in which the student has taken at least one course to fulfill the requirements of a certificate program. Requests for course substitutions will be assessed on a case-by-case basis.

Transfer credit in lieu: When a student has received approval for generic transfer credit (i.e. SUBJ JR/SR/UNSP), they may approach the department/school to determine if this credit fulfills a program requirement(s). The student may require prerequisite overrides to register in subsequent courses that will now use the replacement course(s) as a prerequisite.

Course in lieu: In cases where a required course is not offered, without warning, and a student's progression would be delayed by having to wait to take the course in a subsequent year, the department/school and the UGSO may work together to select a replacement course. The student may require prerequisite overrides to register in subsequent courses that will now use the replacement course as a prerequisite.

Secondary or Higher Degree or Certificate Program Requirement (Course) Replacement Policy

The College of Arts and Science plans course offerings to allow students to complete programs over the expected program duration (e.g. a student who takes 30 credit units per year should be able to complete a "Four-year" program over four academic years). Students who are working on more than one program at the same time cannot expect that all courses will be scheduled so that the courses are all available in a condensed time frame (i.e. courses will not be scheduled to allow for all prerequisites to be taken in Fall Term for higher-level courses in Winter Term, especially when the course numbering ascends a level).

Substitution: Course substitutions are only offered when a required course has been closed or when a required course is not available in the expected final year of study for a degree program (year in which the student has the prerequisites to register in all of the remaining requirements to complete the degree) or the third consecutive (or higher) year in which the student has taken at least one course to fulfill the requirements of a certificate program. Requests for course substitutions will be assessed on a case-by-case basis.

Transfer credit in lieu: When a student has received approval for generic transfer credit (i.e. SUBJ JR/SR/UNSP), they may approach the department/school to determine if this credit fulfills a program requirement(s). The student may require prerequisite overrides to register in subsequent courses that will now use the replacement course(s) as a prerequisite.

Course in lieu: In cases where a required course is not offered, without warning, and a student's progression would be delayed by having to wait to take the course in a subsequent year, the department/school and the UGSO may work together to select a replacement course. The student may require prerequisite overrides to register in subsequent courses that will now use the replacement course as a prerequisite.

Date of Commencement of a Program

It is expected that students will complete their degree program within 10 years of their first registration. Students taking more than 10 years to complete their program will usually be required to meet current degree and graduation requirements.

It is expected that students will complete a certificate program within 5 years of their first registration. Students taking more than 5 years to complete their program will usually be required to meet the current certificate and graduation requirements.

Students have the option to comply with the regulations and degree/certificate requirements in effect at the time of their first registration in a course at the University of Saskatchewan which credits toward their major/certificate; or to meet requirements subsequently approved by the College and implemented prior to the last term in which the student enrols in courses required for the program. Arts & Science courses include those courses from other colleges that have been approved for Arts & Science credit.

Students in programs which require courses no longer taught by the department must consult with the department about how to complete degree/certificate requirements. See the Registration & Course Selection section above.

Once a student has received an Arts & Science degree, rules governing the date of commencement for any subsequent degree program are those provided in the **Second Degree Programs** section of these policies. Completion of certificate programs do not impact the date of commencement for degree programs or other certificate programs.

College of Dentistry

For Information

In April 2024, a new course titled DETH 297.0 Essential Skills in Dental Therapy was approved through University Course Challenge in April 2024. The new course is as follows:

> **DETH 297.0 Essential Skills in Dental Therapy**
>
> This course is a pre-requisite bridging program for applicants to the one-year Bachelor of Science in Dental Therapy stream for dental hygienists and internationally-trained dentists. Successful completion of the course will allow the applicant to enter Year 2 of the Bachelor of Science in Dental Therapy program.
>
> **Rationale:** Dental Hygiene and Dental Therapy have significant scope of practice overlaps in basic science, health promotion, health education and clinical prevention. But Dental Hygienists lack the requisite training in local anaesthetic, restorative dentistry, and oral surgery that Dental Therapists receive. This bridging program will provide the students with intensive pre-clinical simulation to enable them to move on to patient-based care at the end of the program.

The changes to the program of study were not documented in the April 2024 UCC. The following outlines the where the course will be positioned in the program of study:

Dental Therapy

Bachelor of Science in Dental Therapy [B.Sc. (DT)] - Dental Hygienist Pathway

Students pursuing this pathway toward the B.Sc.(DT) will enter the program being Provincially-registered (licensed) dental hygienists with a Diploma, Certificate, or B.Sc. in Dental Hygiene. Students in the Dental Hygienist Pathway will enter the program in Year 2. The program of study will be as follows:

Bachelor of Science in Dental Therapy [B.Sc. (DT)] (54 credit units) - Dental Hygienist Pathway

Year 2 (54 credit units)

Summer

DETH 297.0 Essential Skills in Dental Therapy

Term 1 (18 credit units)

- DETH 211.3 Dental Therapy Sciences IV

- **DETH 212.3** Dental Therapy Health Sciences IV
- **DETH 213.3** Oral Health Sciences IV
- **DETH 214.3** Community Practice I
- **DETH 216.6** Dental Therapy Practice IV

Term 2 (18 credit units)

- **DETH 301.3** Dental Therapy Sciences V
- **DETH 302.3** Dental Therapy Health Sciences V
- **DETH 303.3** Oral Health Sciences V
- **DETH 304.3** Community Practice II
- **DETH 306.6** Dental Therapy Practice V

Spring and Summer Terms (18 credit units)

- **DETH 311.3** Dental Therapy Sciences VI
- **DETH 312.3** Dental Therapy Sciences VI
- **DETH 313.3** Oral Health Sciences VI
- **DETH 314.3** Community Practice III
- **DETH 316.6** Dental Therapy Practice VI

College of Education
December 2025 University Course Challenge

The following changes were approved by the College of Education at the December 5, 2025 Faculty Council meeting and are now being submitted to University Course Challenge for information and approval.

Contacts: Arvelle Van Dyck (arvelle.vandyck@usask.ca) / Shelley Bueckert (shelley.bueckert@usask.ca)

For Approval:

1) Changes to Education Learning Communities (EDLC)

a) To approve **EDLC 103.0: Introduction to Education Learning Communities** effective the 2026 Fall Term.

New Course Proposals:

EDLC 103.0: Introduction to Education Learning Communities

This module-based course is designed to support upper-year transfer students as they transition into the College of Education. It provides key content from the first-year Education Learning Communities (EDLCs), offering essential insights into the college, the teaching profession and the expectations of teacher candidates.

The course emphasizes connection and support, helping students begin to understand and commit to the profession of teaching. Students will be introduced to the Essential Skills for Teacher Candidates and will start building the academic and professional mindset needed for success. This module lays a strong foundation for academic achievement and professional growth as future educators.

Note: Departmental approval required. This course is taken in place of ELDC 101.0 and EDLC 102.0 for upper-year transfer students.

b) To require **EDLC 104.0: Education Learning Communities - ITEP Community** and **EDLC 105.0: Indigeneity in Educational Spaces** in Year 1 of the ITEP Program Routes (Early/Middle Years and Secondary levels).

EDLC 104.0: Education Learning Communities - ITEP Community

In this course, first-year students of the Indian Teacher Education Program (ITEP) will meet as a Learning Community once per week over the course of the Fall Term. Students will be guided by the instructor to co-create a sense of belonging within both ITEP, the College of Education, the wider campus community, as well as a network of the broader educational community. This 0-credit mandatory course will encourage Education students to develop their local understandings of differentiated learning and professionalism in the context of their local learning environment at the University of Saskatchewan. To achieve these ends, each session will encourage personal and professional development for Indigenous teacher candidates attending ITEP.

Restriction(s): Only open to students in the ITEP program.
Note: A materials fee will apply.

EDLC 105.0: Indigeneity in Educational Spaces

In this course, first-year Indian Teacher Education (ITEP) students will meet as a Learning Community once per week over the course of the winter term. Students will be guided by the instructors and various guest speakers to co-create a sense of belonging in ITEP and to the wider campus community.

This 0-credit course will encourage ITEP students to develop their local understandings of teacher candidate professionalism in the context of their local learning environment at the University of Saskatchewan. To achieve these ends, your learning community, as part of its course work, will learn about and engage with educational partners and faculty members and/or ITEP staff who will connect conceptual ideas with examples and innovations that exist in schools as well as help you navigate the world of post-secondary education.

Restriction(s): Only open to students in the ITEP program.
Note: A materials fee will apply.

Indian Teacher Education Program (ITEP)

Bachelor of Education (B.Ed.) - Early/Middle Years

Year 1 (24 credit units)

Education Learning Communities

Fall Term

- ~~EDLC 101.0 Education Learning Community On Campus~~
- EDLC 104.0 Education Learning Communities - ITEP Community

Winter Term

- ~~EDLC 102.0 Education Learning Community in Our City~~
- EDLC 105.0 Indigeneity in Educational Spaces

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Indian Teacher Education Program (ITEP)

Bachelor of Education (B.Ed.) – Secondary

Year 1 (27 credit units)

Education Learning Communities

Fall Term

- ~~EDLC 101.0 Education Learning Community On Campus~~
- EDLC 104.0 Education Learning Communities - ITEP Community

Winter Term

- ~~EDLC 102.0 Education Learning Community in Our City~~
- EDLC 105.0 Indigeneity in Educational Spaces

...

c) To require **EDLC 106.0: Supporting Student Success** and **EDLC 107.0: Supporting Our Métis Identity** in Year 1 of the SUNTEP Saskatoon Program Routes (Early/Middle Years and Secondary).

New Course Proposals:

EDLC 106.0: Supporting Student Success

In this course, first-year SUNTEP Saskatoon students will meet as a Learning Community once per week. Students will be guided by SUNTEP faculty and guest presenters on campus to develop an understanding of the learning environment at the university and the professional obligations of teachers. Students will be provided with information, guidance, and experiences to be able to access the supports that will enhance their success as students on campus. The purpose of this learning community is to inform students of the supports available to them to enhance their success and to raise awareness of their professional obligations as teachers.

Restriction(s): Only open to students in the SUNTEP-SK program.

EDLC 107.0: Supporting Our Métis Identity

In this course, first-year SUNTEP Saskatoon students will meet as a Learning Community once per week. Students will be guided by SUNTEP faculty and guest presenters who will help students develop their understandings of Métis culture and Michif language and form their identities as Métis teachers. SUNTEP students will form connections to the Métis community as a source of belonging and a resource for accessing knowledge to bring into the classroom. SUNTEP graduates are expected within the education system to possess and share knowledge of Métis culture, history, and Michif language and it is therefore essential to build these competencies in our students before they graduate. Métis teachers are expected by the Métis community to be advocates and activists for change and it is therefore essential for SUNTEP graduates to have the skills, knowledge, and understandings to fulfill these roles.

Restriction(s): Only open to students in the SUNTEP-SK program.

d) To remove Year 2 Education Learning Communities (**EDLC 201.0 Education Learning Community Discovering Saskatchewan** and **EDLC 202.0 Education Learning Community Global Community**) from the SUNTEP Saskatoon Program Routes (Early/Middle Years and Secondary).

SUNTEP Saskatoon – B.Ed. Early/Middle Years (120 credit units):

Year 1 (27 credit units)

Non-Credit Support Courses:
• ENG 99.0

Education Learning Communities:
~~• EDLC 101.0 Education Learning Community On Campus~~
~~• EDLC 102.0 Education Learning Community in Our City~~
• EDLC 106.0: Supporting Student Success
• EDLC 107.0: Supporting Our Métis Identity

Required Courses:
• EFDT 101.3 Introduction to Education
• EFDT 265.3 Foundations for First Nations Metis and Inuit Teaching and Learning or
ECUR 265.3 Teaching for Reconciliation in the K to 12 Curricula

Choose 3 credit units of Mathematics or Statistics:
• ECUR 311.3 Methods in K to 9 Mathematics I
• MATH — 100-Level, 200-Level, 300-Level, 400-Level
• STAT — 100-Level, 200-Level, 300-Level, 400-Level

Choose 3 credit units of Indigenous Studies Courses:
INDG 107.3 Introduction to Canadian Indigenous Studies is recommended.
• INDG — 100-Level, 200-Level, 300-Level, 400-Level
• ANTH 202.3 Anthropology and Indigenous Peoples in Canada
• ANTH 350.3 Introduction to Boreal Forest Archaeology
• AREC 220.3 History of Indigenous Agriculture in Canada
• DRAM 111.3 Practicum I Indigenous Performance Methods
• ENG 242.3 Indigenous Storytelling of the Prairies
• ENG 243.3 Introduction to Indigenous Literatures
• ENG 335.3 The Emergence of Indigenous Literatures in Canada
• ENG 338.3 Contemporary North American Indigenous Literatures
• GEOG 465.3 Environment and Health in Indigenous Communities
• HIST 193.3 History Matters Topics in Canadian History
• HIST 195.3 History Matters Indigenous Perspectives on Canadian History
• HIST 257.3 The Canadian Prairie to 1905
50• HIST 266.3 Historical Issues in Indigenous Settler Relations in North America
• HIST 315.3 Indigenous Health History
• HIST 316.3 History of the Metis in Twentieth Century Prairie Canada
• HIST 366.3 Indigenous Womens Life Stories in Early North America
• HIST 367.3 Early Indigenous North American Diasporas
• HIST 432.3 Turtle Island Stories From Erasure to Empowerment in Early North

American Ethnohistories
- HIST 468.3 Topics in Urban History Saskatoon Indigenous History
- KIN 306.3 Introduction to Indigenous Wellness
- LING 114.3 Indigenous Languages and Stories Introduction to the Structure of Language
- LING 253.3 Indigenous Languages of Canada
- PLAN 445.3 Planning with Indigenous Communities
- POLS 222.3 Indigenous Governance and Politics
- POLS 323.3 First Nations Policies and Programs
- RRM 312.3 Natural Resource Management and Indigenous Peoples
- SOC 219.3 Indigenous Peoples and Justice in Canada
- SOC 319.3 Indigenous People in Urban Areas
- SOC 341.3 Institutional Racism and Indigenous People

Choose 6 credit units of English:
- ENG — 100-Level, 200-Level, 300-Level, 400-Level

**Only 3 credit units of English are required if Languages, Cree or French is a Teaching Area.*

Choose 3 credit units of Fine Arts:
- Arts Education courses from Early/Middle Years Teaching Areas 1 or 2

Choose 3 credit units of Social Sciences/Social Studies:
- Social Sciences/Social Studies courses from Early/Middle Years - Teaching Areas 1 or 2

Choose 3 credit units of Kinesiology:
- KIN 121.3 Functional Basis of Physical Activity
- KIN 122.3 Social Behavioral Foundations of Physical Activity
- KIN 146.3 Physical Activity and School Aged Children and Youth

Spring Term (after Year 1) (3 credit units)
- ECUR 235.3 Michif Language Learning and Epistemology

Year 2 (30 credit units)
Education Learning Communities:
- ~~EDLC 201.0 Education Learning Community Discovering Saskatchewan~~
- ~~EDLC 202.0 Education Learning Community Global Community~~

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SUNTEP Saskatoon – B.Ed. Secondary (120 credit units):
Year 1 (27 credit units)

Non-Credit Support Courses:
- ENG 99.0

Education Learning Communities:
- ~~EDLC 101.0 Education Learning Community On Campus~~
- ~~EDLC 102.0 Education Learning Community in Our City~~
- EDLC 106.0: Supporting Student Success
- EDLC 107.0: Supporting Our Métis Identity

Required Courses:
- EFDT 101.3 Introduction to Education
- EFDT 265.3 Foundations for First Nations Metis and Inuit Teaching and Learning or ECUR 265.3 Teaching for Reconciliation in the K to 12 Curricula

Choose 3 credit units from the following:
- EADM — 100-Level, 200-Level, 300-Level, 400-Level
- ECUR — 100-Level, 200-Level, 300-Level, 400-Level
- EFDT — 100-Level, 200-Level, 300-Level, 400-Level
- EMUS — 100-Level, 200-Level, 300-Level, 400-Level
- EPSE — 100-Level, 200-Level, 300-Level, 400-Level
- ETAD — 100-Level, 200-Level, 300-Level, 400-Level

Choose 3 credit units of Indigenous Studies courses:
INDG 107.3 Introduction to Canadian Indigenous Studies is recommended.
- INDG — 100-Level, 200-Level, 300-Level, 400-Level
- ANTH 202.3 Anthropology and Indigenous Peoples in Canada
- ANTH 350.3 Introduction to Boreal Forest Archaeology
- AREC 220.3 History of Indigenous Agriculture in Canada
- DRAM 111.3 Practicum I Indigenous Performance Methods
- ENG 242.3 Indigenous Storytelling of the Prairies
- ENG 243.3 Introduction to Indigenous Literatures
- ENG 335.3 The Emergence of Indigenous Literatures in Canada
- ENG 338.3 Contemporary North American Indigenous Literatures
- GEOG 465.3 Environment and Health in Indigenous Communities
- HIST 193.3 History Matters Topics in Canadian History
- HIST 195.3 History Matters Indigenous Perspectives on Canadian History
- HIST 257.3 The Canadian Prairie to 1905
- HIST 266.3 Historical Issues in Indigenous Settler Relations in North America
- HIST 315.3 Indigenous Health History
- HIST 316.3 History of the Metis in Twentieth Century Prairie Canada
- HIST 366.3 Indigenous Womens Life Stories in Early North America

- HIST 367.3 Early Indigenous North American Diasporas
- HIST 432.3 Turtle Island Stories From Erasure to Empowerment in Early North American Ethnohistories
- HIST 468.3 Topics in Urban History Saskatoon Indigenous History
- KIN 306.3 Introduction to Indigenous Wellness
- LING 114.3 Indigenous Languages and Stories Introduction to the Structure of Language
- LING 253.3 Indigenous Languages of Canada
- PLAN 445.3 Planning with Indigenous Communities
- POLS 222.3 Indigenous Governance and Politics
- POLS 323.3 First Nations Policies and Programs
- RRM 312.3 Natural Resource Management and Indigenous Peoples
- SOC 219.3 Indigenous Peoples and Justice in Canada
- SOC 319.3 Indigenous People in Urban Areas
- SOC 341.3 Institutional Racism and Indigenous People

Choose 6 credit units of English:
- ENG — 100-Level, 200-Level, 300-Level, 400-Level

Choose 3 credit units from the following:
- Secondary - Teaching Area 1* (100-level)
- HIST 193.3 History Matters Topics in Canadian History*

**SUNTEP – Saskatoon Secondary students who have chosen Indigenous Studies as their Teaching Area 1 may use HIST 193.3 History Matters Topics in Canadian History with the topic Turtle Island: A History of North America's Ancient Civilizations towards the Indigenous Studies Teaching Area.*

Choose 3 credit unit s from the following:

· Secondary - Teaching Area 2* (100-level)

Choose 3 credit units from the following:

· Open Elective 100-400 level (Open Electives must be compiled using 3 or 6 credit units

courses.)

Spring Term (after Year 1) (3 credit units)

· ECUR 235.3 Michif Language Learning and Epistemology

Year 2 (30 credit units)

Education Learning Communities:

~~· EDLC 201.0 Education Learning Community Discovering Saskatchewan~~
~~· EDLC 202.0 Education Learning Community Global Community~~
…..

e) **To require EDLC 108.0: Education Learning Community: Entering the Profession as an Indigenous Educator and EDLC 109.0: Education Learning Community: Supporting Pre-service Teachers in Year 1 of the SUNTEP Prince Albert Program Route.**

New Course Proposals:

EDLC 108.0: Education Learning Community: Entering the Profession as an Indigenous Educator

In this course, first-year SUNTEP Prince Albert students will meet as a Learning Community once per week over the course of the fall term. Students will develop a sense of belonging to the College of Education and to the wider educational community within the Prince Albert area. This 0-credit course will encourage Education students to develop their Métis identity and learn about the importance of integrating culture, language and Indigenous worldview into their teaching pedagogy.

Restriction(s): Only open to students in the SUNTEP-PA program.

EDLC 109.0: Education Learning Community: Supporting Pre-service Teachers

In this course, first-year SUNTEP Prince Albert students will meet as a Learning Community once per week over the course of the winter term. Students will develop a sense of belonging to the College of Education and to the wider educational community within the Prince Albert area. This 0-credit course will encourage Education students to expand on their local understandings of teacher leadership, curricula, instructional strategies and culturally relevant pedagogy.

Restriction(s): Only open to students in the SUNTEP-PA program.

SUNTEP Prince Albert – B.Ed. Early/Middle Years (120 credit units):

Year 1 (24 credit units)

Non-Credit Support Courses:

- ENG 99.0
- MATH 99.0

Education Learning Communities:

- ~~EDLC 101.0 Education Learning Community On Campus~~
- ~~EDLC 102.0 Education Learning Community in Our City~~

- EDLC 108.0: Education Learning Community: Entering the Profession as an Indigenous Educator
- EDLC 109.0: Education Learning Community: Supporting Pre-service Teachers

…

2) **Teaching Area Changes – Cree, Languages**

a) To allow **LING 111.3: Structure of Language**, **LING 114.3: Indigenous Languages and Stories Introduction to the Structure of Languages**, **INDG 270.6: Literature of Native North America**, and **Indigenous Languages Certificate – Cree language stream courses** (ECUR 425.3, ECUR 426.3, ECUR 427.3, ECUR 428.3, ECUR 429.3, ECUR 430.3, ECUR 431.3, ECUR 432.3, ECUR 433.3, and ECUR 434.3) to be options for the Cree Teaching Area 1 (Early/Middle Years and Secondary levels) and the Cree Teaching Area 2 (Secondary level).

b) To allow **LING 111.3: Structure of Language**, **LING 114.3: Indigenous Languages and Stories Introduction to the Structure of Languages**, **INDG 270.6: Literature of Native North America**, and **Indigenous Languages Certificate – Cree language stream courses** (ECUR 425.3, ECUR 426.3, ECUR 427.3, ECUR 428.3, ECUR 429.3, ECUR 430.3, ECUR 431.3, ECUR 432.3, ECUR 433.3, and ECUR 434.3) and **Michif language stream courses** (ECUR 460.3, ECUR 461.3, ECUR 462.3, ECUR 463.3, ECUR 464.3, ECUR 465.3, ECUR 466.3, ECUR 467.3, ECUR 468.3, ECUR 469.3) to be options for the Languages Teaching Area 2 (Early/Middle Years level).

Bachelor of Education (B.Ed.)
Early/Middle Years Program (120 credit units)
Teaching Area 1 - Cree

Please Note: any 100-level language course taken after the first 6 credit units of language course(s) will be counted as a senior course.

Choose 6 credit units from the following junior level Cree courses:

- CREE — 100-Level

Choose 12 credit units from the following senior level Cree courses:

- CREE — 100-Level, 200-Level, 300-Level, 400-Level
- EIND 220.6 Advanced Oral and Written Cree
- ECUR 428.3 Introduction to Master Apprentice Program
- ECUR 429.3 Root Word Method: nêhiyawêwin within an Immersive Setting
- ECUR 425.3 Methods 1 Second Language Methodologies
- ECUR 426.3 Methods 2 Second Language Methodologies
- ECUR 427.3 Introduction to Total Physical Response and Drama for Language
- ECUR 430.3 Traditional and Contemporary Music, Song and Dance
- ECUR 431.3 Digital Technologies for Indigenous Language Learning
- ECUR 432.3 Syllabics, Literacy and Numeracy
- ECUR 433.3 Identity and Higher Learning (nêhiyawêwin)
- ECUR 434.3 Immersion Language Camp (nêhiyawêwin)
- INDG 270.6: Literature of Native North America
- LING 111.3: Structure of Language
- LING 114.3: Indigenous Languages and Stories Introduction to the Structure of Language

Teaching Area 2 - Languages

Please Note: any 100-level language course taken after the first 6 credit units of language course(s) will be counted as a senior course.

Choose 12 credit units from the following Language courses:

- CHIN — 100-Level, 200-Level, 300-Level, 400-Level
- CREE — 100-Level, 200-Level, 300-Level, 400-Level
- DENE — 100-Level, 200-Level, 300-Level, 400-Level
- EIND 220.6 Advanced Oral and Written Cree
- ECUR 235.3 Michif Language Learning and Epistemology
- ECUR 428.3 Introduction to Master Apprentice Program
- ECUR 429.3 Root Word Method: nêhiyawêwin within an Immersive Setting
- ECUR 425.3 Methods 1 Second Language Methodologies
- ECUR 426.3 Methods 2 Second Language Methodologies
- ECUR 427.3 Introduction to Total Physical Response and Drama for Language
- ECUR 430.3 Traditional and Contemporary Music, Song and Dance
- ECUR 431.3 Digital Technologies for Indigenous Language Learning
- ECUR 432.3 Syllabics, Literacy and Numeracy
- ECUR 433.3 Identity and Higher Learning (nêhiyawêwin)
- ECUR 434.3 Immersion Language Camp (nêhiyawêwin)
- ECUR 460.3: Michif Immersion Language Camp 1
- ECUR 461.3: Michif Language, Learning and Epistemology
- ECUR 462.3: Root Word Method
- ECUR 463.3: Methods I Second Language Methodologies (Michif)
- ECUR 464.3: Traditional and Contemporary Fine Arts
- ECUR 465.3: Introduction to Total Physical Response and Drama for Language (Michif)
- ECUR 466.3: Methods II Second Language Methodologies (Michif)
- ECUR 467.3: Digital Technologies for Indigenous Language Learning (Michif)
- ECUR 468.3: Introduction to Master Apprentice Program (Michif)
- ECUR 469.3: Michif Immersion Language Camp 2: Everyday Michif
- FREN — 100-Level, 200-Level, 300-Level, 400-Level
- GERM — 100-Level, 200-Level, 300-Level, 400-Level
- INDG 270.6: Literature of Native North America
- JPNS — 100-Level, 200-Level, 300-Level, 400-Level
- LING 111.3: Structure of Language
- LING 114.3: Indigenous Languages and Stories Introduction to the Structure of Language
- RUSS — 100-Level, 200-Level, 300-Level, 400-Level
- SPAN — 100-Level, 200-Level, 300-Level, 400-Level
- UKR — 100-Level, 200-Level, 300-Level, 400-Level
- Transfer credit for Language courses (e.g., XLAN for Saulteaux, Nakota, Dakota)

Bachelor of Education (B.Ed.)
Secondary Program (120 credit units)
Teaching Area 1 - Cree

Choose 6 credit units from the following junior level Cree courses:

- CREE — 100-Level

Choose 18 credit units from the following senior level Cree courses:

- CREE — 100-Level, 200-Level, 300-Level, 400-Level
- EIND 220.6 Advanced Oral and Written Cree
- ECUR 428.3 Introduction to Master Apprentice Program
- ECUR 429.3 Root Word Method: nêhiyawêwin within an Immersive Setting
- ECUR 425.3 Methods 1 Second Language Methodologies
- ECUR 426.3 Methods 2 Second Language Methodologies
- ECUR 427.3 Introduction to Total Physical Response and Drama for Language
- ECUR 430.3 Traditional and Contemporary Music, Song and Dance
- ECUR 431.3 Digital Technologies for Indigenous Language Learning
- ECUR 432.3 Syllabics, Literacy and Numeracy
- ECUR 433.3 Identity and Higher Learning (nêhiyawêwin)
- ECUR 434.3 Immersion Language Camp (nêhiyawêwin)
- INDG 270.6: Literature of Native North America
- LING 111.3: Structure of Language
- LING 114.3: Indigenous Languages and Stories Introduction to the Structure of Language

Teaching Area 2 - Cree

Choose 6 credit units from the following junior level Cree courses:

- CREE — 100-Level

Choose 9 credit units from the following senior level Cree courses:

- CREE — 100-Level, 200-Level, 300-Level, 400-Level
- EIND 220.6 Advanced Oral and Written Cree
- ECUR 428.3 Introduction to Master Apprentice Program
- ECUR 429.3 Root Word Method: nêhiyawêwin within an Immersive Setting
- ECUR 425.3 Methods 1 Second Language Methodologies
- ECUR 426.3 Methods 2 Second Language Methodologies
- ECUR 427.3 Introduction to Total Physical Response and Drama for Language
- ECUR 430.3 Traditional and Contemporary Music, Song and Dance
- ECUR 431.3 Digital Technologies for Indigenous Language Learning
- ECUR 432.3 Syllabics, Literacy and Numeracy
- ECUR 433.3 Identity and Higher Learning (nêhiyawêwin)
- ECUR 434.3 Immersion Language Camp (nêhiyawêwin)
- INDG 270.6: Literature of Native North America
- LING 111.3: Structure of Language
- LING 114.3: Indigenous Languages and Stories Introduction to the Structure of Language

3) ECUR 429.3 Course Changes

To approve the proposed title change to **"Root Word Method: nêhiyawêwin within an Immersive Setting"** and revised course description for **ECUR 429.3.**

ECUR 429.3: ~~Root Word Method of nêhiyawêwin~~

Root Word Method: nêhiyawêwin within an Immersive Setting

~~nêhiyawêwin is known as a polysynthetic language, meaning the language is structured in word sentences. There are bits of meanings to what may look like one word but is actually a full sentence when translated into English. These bits of meanings are called morphemes and this course will study how these word sentences are created and pieced together to make sense.~~

This course offers an immersive, land-based exploration of nêhiyawêwin as a polysynthetic language. Students will learn the Root Word Method, focusing on how morphemes combine to form complete words and sentences. Learning will occur both in classroom and immersive settings, demonstrating how language is lived, spoken, and understood within community.

Through participation in immersive activities such as tipi-raising, food preparation, and storytelling with Elders, students will encounter root words in their natural context. Each activity becomes an opportunity to analyze word structure, trace meaning, and build fluency through practice. The course emphasizes learning by doing, peer-to-peer teaching, and Elder-guided knowledge transfer, aligning with the nêhiyawêwin worldview of lifelong learning on the land.

Weekly hours: 3 Lecture hours and 1 Practicum/Lab hours
Prerequisite(s): Permission required.
Restriction(s): Course only open to students in the Indigenous Language Certificate program.

4) ECUR 200.3: Curriculum and Instruction

a) To require **ECUR 200.3: Curriculum and Instruction** in place of an Education Elective .3 for the SUNTEP Saskatoon – Bachelor of Education program routes (Early/Middle Years and Secondary).

SUNTEP Saskatoon – B.Ed. Early/Middle Years (120 credit units):

Year 1 (27 credit units)

Non-Credit Support Courses:

- ENG 99.0

Education Learning Communities:

- EDLC 101.0 Education Learning Community On Campus
- EDLC 102.0 Education Learning Community in Our City

Required Courses:

- EFDT 101.3 Introduction to Education
- EFDT 265.3 Foundations for First Nations Metis and Inuit Teaching and Learning or ECUR 265.3 Teaching for Reconciliation in the K to 12 Curricula

Choose 3 credit units of Mathematics or Statistics:

- ECUR 311.3 Methods in K to 9 Mathematics I
- MATH — 100-Level, 200-Level, 300-Level, 400-Level
- STAT — 100-Level, 200-Level, 300-Level, 400-Level

Choose 3 credit units of Indigenous Studies Courses:

INDG 107.3 Introduction to Canadian Indigenous Studies is recommended.

- INDG — 100-Level, 200-Level, 300-Level, 400-Level
- ANTH 202.3 Anthropology and Indigenous Peoples in Canada
- ANTH 350.3 Introduction to Boreal Forest Archaeology
- AREC 220.3 History of Indigenous Agriculture in Canada
- DRAM 111.3 Practicum I Indigenous Performance Methods
- ENG 242.3 Indigenous Storytelling of the Prairies
- ENG 243.3 Introduction to Indigenous Literatures
- ENG 335.3 The Emergence of Indigenous Literatures in Canada
- ENG 338.3 Contemporary North American Indigenous Literatures
- GEOG 465.3 Environment and Health in Indigenous Communities
- HIST 193.3 History Matters Topics in Canadian History
- HIST 195.3 History Matters Indigenous Perspectives on Canadian History
- HIST 257.3 The Canadian Prairie to 1905
- HIST 266.3 Historical Issues in Indigenous Settler Relations in North America
- HIST 315.3 Indigenous Health History
- HIST 316.3 History of the Metis in Twentieth Century Prairie Canada
- HIST 366.3 Indigenous Womens Life Stories in Early North America
- HIST 367.3 Early Indigenous North American Diasporas
- HIST 432.3 Turtle Island Stories From Erasure to Empowerment in Early North American Ethnohistories
- HIST 468.3 Topics in Urban History Saskatoon Indigenous History
- KIN 306.3 Introduction to Indigenous Wellness
- LING 114.3 Indigenous Languages and Stories Introduction to the Structure of Language
- LING 253.3 Indigenous Languages of Canada
- PLAN 445.3 Planning with Indigenous Communities
- POLS 222.3 Indigenous Governance and Politics
- POLS 323.3 First Nations Policies and Programs
- RRM 312.3 Natural Resource Management and Indigenous Peoples
- SOC 219.3 Indigenous Peoples and Justice in Canada

- SOC 319.3 Indigenous People in Urban Areas
- SOC 341.3 Institutional Racism and Indigenous People

Choose 6 credit units of English:

- ENG — 100-Level, 200-Level, 300-Level, 400-Level

**Only 3 credit units of English are required if Languages, Cree or French is a Teaching Area.*

Choose 3 credit units of Fine Arts:

- Arts Education courses from Early/Middle Years Teaching Areas 1 or 2

Choose 3 credit units of Social Sciences/Social Studies:

- Social Sciences/Social Studies courses from Early/Middle Years - Teaching Areas 1 or 2

Choose 3 credit units of Kinesiology:

- KIN 121.3 Functional Basis of Physical Activity
- KIN 122.3 Social Behavioral Foundations of Physical Activity
- KIN 146.3 Physical Activity and School Aged Children and Youth

Spring Term (after Year 1) (3 credit units)

- ECUR 235.3 Michif Language Learning and Epistemology

Year 2 (30 credit units)

Education Learning Communities:

- EDLC 201.0 Education Learning Community Discovering Saskatchewan
- EDLC 202.0 Education Learning Community Global Community

Required Courses:

- **ECUR 200.3: Curriculum and Instruction**
- EPSE 202.3 Psychological Foundations of Teaching and Learning
- ECUR 307.3 Early Literacy Prekindergarten to Grade 3* or ECUR 309.3 Introduction to Elementary English Language Arts**
- ECUR 316.3 Methods in K to 9 Mathematics II
- EFDT 301.3 Educator Identity in Contexts Anti Oppressive and Ethical Beginnings
- INDG 280.6 Metis History in Western Canada

**If ECUR 307.3 Early Literacy Prekindergarten to Grade 3 is taken, ECUR 308.3 Reading and Writing Development Prekindergarten to Grade 3 must also be taken.*
***If ECUR 309.3 Introduction to Elementary English Language Arts is taken, ECUR 310.3 Literacy Across the Elementary Curriculum Assessment and Planning in a Relational Context must also be taken.*

Choose 3 credit units of Natural Science:

- Science courses from Early/Middle Years - Teaching Areas 1 or 2

~~Choose 3 credit units from the following:~~

- ~~EADM — 100-Level, 200-Level, 300-Level, 400-Level~~
- ~~ECUR — 100-Level, 200-Level, 300-Level, 400-Level~~
- ~~EFDT — 100-Level, 200-Level, 300-Level, 400-Level~~
- ~~EMUS — 100-Level, 200-Level, 300-Level, 400-Level~~
- ~~EPSE — 100-Level, 200-Level, 300-Level, 400-Level~~
- ~~ETAD — 100-Level, 200-Level, 300-Level, 400-Level~~

Choose 6 credit units from the following:

- Early/Middle Years - Teaching Area 1
- HIST 193.3 History Matters Topics in Canadian History

*With the topic Turtle Island: A History of North America's Ancient Civilizations may be used towards the Indigenous Studies Teaching Area for SUNTEP – Saskatoon students.

* Substitute with open electives if Teaching Areas are complete.

Spring Term (after Year 2) (3 credit units)

- EDST 321.3 Field Experience Learning in Contexts

Year 3 (30 credit units)

Required Courses:

- EFDT 313.3 Pedagogies of Place Context Based Learning
- ECUR 308.3 Reading and Writing Development Prekindergarten to Grade 3 or ECUR 310.3 Literacy Across the Elementary Curriculum Assessment and Planning in a Relational Context
- ECUR 322.3 Methods in Elementary Science or ECUR 323.3 Science in the Early Years
- ECUR 382.3 Methods in Elementary Social Studies or ECUR 383.3 Social Studies in the Early Years
- EPSE 348.3 Essentials of Assessing Student Learning

Choose 3 credit units from the following:

- EIND 380.3 Incorporating Cultural Arts of Indian Metis and Inuit People into School Programs
- EART 303.3 Methods in Elementary Visual Art or EART 304.3 Arts Education in the Early Years
- ECUR 352.3 Methods in Elementary Physical Education or ECUR 353.3 Physical Education in the Early Years
- ECUR 450.3 Elementary Health Methods or ECUR 451.3 Health in the Early Years

Choose 3 credit units from the following:

- Early/Middle Years - Teaching Area 1*

Choose 9 credit units from the following:

- Early/Middle Years - Teaching Area 2*

*Substitute with open electives if Teaching Areas are complete.

Spring Term (after Year 3) (3 credit units)

- EDST 322.3 Field Experience Relational Curriculum Making in Practice Planning Adapting and Assessing

Year 4 (24 credit units)

Choose an Extended Practicum option from the following:

- EXPR 422.15 Professional Extended Practicum
- EXPR 423.3 Alternative Field Experiences Practicum I Adult Learning and Community Based Educational Settings **AND** EXPR 425.12 Alternative Field Experiences Practicum II Saskatchewan Schools
- EXPR 424.3 Alternative Field Experiences Practicum I International Opportunities **AND** EXPR 425.12 Alternative Field Experiences Practicum II Saskatchewan Schools

Education Courses

- EADM 303.3 Education in Society Structures Systems and Stakeholders
- EPSE 390.3 Exceptional Learners
- EFDT 435.3 Critical Perspectives in Educational Thought and Values

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SUNTEP Saskatoon – B.Ed. Secondary (120 credit units):

Year 1 (27 credit units)

Non-Credit Support Courses:

-
  - ENG 99.0

Education Learning Communities:

- EDLC 101.0 Education Learning Community On Campus
- EDLC 102.0 Education Learning Community in Our City

Required Courses:

- EFDT 101.3 Introduction to Education
- EFDT 265.3 Foundations for First Nations Metis and Inuit Teaching and Learning or ECUR 265.3 Teaching for Reconciliation in the K to 12 Curricula

Choose 3 credit units from the following:

- EADM — 100-Level, 200-Level, 300-Level, 400-Level
- ECUR — 100-Level, 200-Level, 300-Level, 400-Level
- EFDT — 100-Level, 200-Level, 300-Level, 400-Level
- EMUS — 100-Level, 200-Level, 300-Level, 400-Level
- EPSE — 100-Level, 200-Level, 300-Level, 400-Level
- ETAD — 100-Level, 200-Level, 300-Level, 400-Level

Choose 3 credit units of Indigenous Studies courses:

INDG 107.3 Introduction to Canadian Indigenous Studies is recommended.

- INDG — 100-Level, 200-Level, 300-Level, 400-Level
- ANTH 202.3 Anthropology and Indigenous Peoples in Canada
- ANTH 350.3 Introduction to Boreal Forest Archaeology
- AREC 220.3 History of Indigenous Agriculture in Canada
- DRAM 111.3 Practicum I Indigenous Performance Methods
- ENG 242.3 Indigenous Storytelling of the Prairies
- ENG 243.3 Introduction to Indigenous Literatures
- ENG 335.3 The Emergence of Indigenous Literatures in Canada
- ENG 338.3 Contemporary North American Indigenous Literatures
- GEOG 465.3 Environment and Health in Indigenous Communities
- HIST 193.3 History Matters Topics in Canadian History
- HIST 195.3 History Matters Indigenous Perspectives on Canadian History

- HIST 257.3 The Canadian Prairie to 1905
- HIST 266.3 Historical Issues in Indigenous Settler Relations in North America
- HIST 315.3 Indigenous Health History
- HIST 316.3 History of the Metis in Twentieth Century Prairie Canada
- HIST 366.3 Indigenous Womens Life Stories in Early North America
- HIST 367.3 Early Indigenous North American Diasporas
- HIST 432.3 Turtle Island Stories From Erasure to Empowerment in Early North American Ethnohistories
- HIST 468.3 Topics in Urban History Saskatoon Indigenous History
- KIN 306.3 Introduction to Indigenous Wellness
- LING 114.3 Indigenous Languages and Stories Introduction to the Structure of Language
- LING 253.3 Indigenous Languages of Canada
- PLAN 445.3 Planning with Indigenous Communities
- POLS 222.3 Indigenous Governance and Politics
- POLS 323.3 First Nations Policies and Programs
- RRM 312.3 Natural Resource Management and Indigenous Peoples
- SOC 219.3 Indigenous Peoples and Justice in Canada
- SOC 319.3 Indigenous People in Urban Areas
- SOC 341.3 Institutional Racism and Indigenous People

Choose 6 credit units of English:

- ENG — 100-Level, 200-Level, 300-Level, 400-Level

Choose 3 credit units from the following:

- Secondary - Teaching Area 1* (100-level)
- HIST 193.3 History Matters Topics in Canadian History*

**SUNTEP – Saskatoon Secondary students who have chosen Indigenous Studies as their Teaching Area 1 may use HIST 193.3 History Matters Topics in Canadian History with the topic Turtle Island: A History of North America's Ancient Civilizations towards the Indigenous Studies Teaching Area.*

Choose 3 credit units from the following:

- Secondary - Teaching Area 2* (100-level)

Choose 3 credit units from the following:

- Open Elective 100-400 level (Open Electives must be compiled using 3 or 6 credit units courses.)

Spring Term (after Year 1) (3 credit units)

- ECUR 235.3 Michif Language Learning and Epistemology

Year 2 (30 credit units)

Education Learning Communities:

- EDLC 201.0 Education Learning Community Discovering Saskatchewan
- EDLC 202.0 Education Learning Community Global Community

Required Courses:

- **ECUR 200.3: Curriculum and Instruction**
- EPSE 202.3 Psychological Foundations of Teaching and Learning
- INDG 280.6 Metis History in Western Canada
- EFDT 301.3 Educator Identity in Contexts Anti Oppressive and Ethical Beginnings

~~Choose 3 credit units from the following:~~

- ~~EADM — 100-Level, 200-Level, 300-Level, 400-Level~~
- ~~ECUR — 100-Level, 200-Level, 300-Level, 400-Level~~
- ~~EFDT — 100-Level, 200-Level, 300-Level, 400-Level~~
- ~~EMUS — 100-Level, 200-Level, 300-Level, 400-Level~~
- ~~EPSE — 100-Level, 200-Level, 300-Level, 400-Level~~
- ~~ETAD — 100-Level, 200-Level, 300-Level, 400-Level~~

Choose 3 credit units of Education methods courses (Teaching Area 1 or Teaching Area 2 methods) from the following:

- EART 331.3 Methods in Secondary Visual Art
- ECUR 318.3 Methods in Secondary Mathematics
- ECUR 326.3 Methods for Teaching Science in Secondary School
- ECUR 349.3 Methods in Middle Years and Secondary Drama
- ECUR 357.3 Methods in Secondary Physical Education (Teaching Area 1 only; B.Sc. Kinesiology graduates only)
- ECUR 362.3 Introduction to Principles and Practices of Second Language Teaching
- ECUR 379.3 Introductory Methods in Secondary English Language Arts
- ECUR 386.3 Methods in Secondary Social Studies

Choose 6 credit units from the following:

- Secondary - Teaching Area 1* (200-level, 300-level, or 400-level)

Choose 6 credit units from the following:

- Secondary - Teaching Area 2* (200-level, 300-level, or 400-level)

**If Teaching Area requirements are fulfilled, then replace requirement with an External Elective, as approved by the college.*

Spring Term (after Year 2) (3 credit units)

- EDST 321.3 Field Experience Learning in Contexts

Year 3 (30 credit units)

Required Courses:

- EFDT 313.3 Pedagogies of Place Context Based Learning
- ECUR 320.3 Literacy Across the Secondary Curriculum
- ECUR 325.3 Relational Curriculum Making in the Secondary Context
- EPSE 348.3 Essentials of Assessing Student Learning

Choose 3 credit units of Education methods courses (Teaching Area 1 or Teaching Area 2 methods*) from the following:

- EART 331.3 Methods in Secondary Visual Art
- ECUR 318.3 Methods in Secondary Mathematics
- ECUR 326.3 Methods for Teaching Science in Secondary School
- ECUR 349.3 Methods in Middle Years and Secondary Drama
- ECUR 357.3 Methods in Secondary Physical Education (Teaching Area 1 only; B.Sc. Kinesiology graduates only)
- ECUR 362.3 Introduction to Principles and Practices of Second Language Teaching
- ECUR 379.3 Introductory Methods in Secondary English Language Arts
- ECUR 386.3 Methods in Secondary Social Studies

*If Practical and Applied Arts (PAA) is your Teaching Area 2, enroll in 6 credit units of Teaching Area 2
methods: ECUR 340.3 Introduction to Teaching Practical and Applied Arts and ECUR 341.3 Curriculum and Evaluation in Practical and Applied Arts

Choose 3 credit units from the following:

(Not required for Teaching Area 2 of Practical and Applied Arts.)

- EADM — 100-Level, 200-Level, 300-Level, 400-Level
- ECUR — 100-Level, 200-Level, 300-Level, 400-Level
- EFDT — 100-Level, 200-Level, 300-Level, 400-Level
- EMUS — 100-Level, 200-Level, 300-Level, 400-Level
- EPSE — 100-Level, 200-Level, 300-Level, 400-Level
- ETAD — 100-Level, 200-Level, 300-Level, 400-Level

Choose 6 credit units from the following:

- Secondary - Teaching Area 1* (200-level, 300-level, or 400-level)

Choose 6 credit units from the following:

- Secondary - Teaching Area 2* (200-level, 300-level, or 400-level)

*If Teaching Area requirements are fulfilled, then replace requirement with an External Elective, as approved by the college.

Spring Term (after Year 3) (3 credit units)

- EDST 322.3 Field Experience Relational Curriculum Making in Practice Planning Adapting and Assessing

Year 4 (24 credit units)

Choose an Extended Practicum option from the following:

- EXPR 422.15 Professional Extended Practicum
- EXPR 423.3 Alternative Field Experiences Practicum I Adult Learning and Community Based Educational Settings **AND** EXPR 425.12 Alternative Field Experiences Practicum II Saskatchewan Schools
- EXPR 424.3 Alternative Field Experiences Practicum I International Opportunities **AND** EXPR 425.12 Alternative Field Experiences Practicum II Saskatchewan Schools

Education Courses

- EADM 303.3 Education in Society Structures Systems and Stakeholders
- EPSE 390.3 Exceptional Learners
- EFDT 435.3 Critical Perspectives in Educational Thought and Values

*If Teaching Area requirements are fulfilled, then replace requirement with an External Elective, as approved by the college.

- Open Elective 100-400 level (Open Electives must be compiled using 3 or 6 credit units courses.)

b) To allow **ECUR 200.3: Curriculum and Instruction** as a methods course option for the Internationally Educated Teachers Certificate (IETC) program.

Internationally Educated Teachers Certificate (IETC) Program Requirements (21 credit units)

- EFDT 265.3 Foundations for First Nations Metis and Inuit Teaching and Learning or ECUR 265.3 Teaching for Reconciliation in the K to 12 Curricula
- EADM 303.3 Education in Society Structures Systems and Stakeholders
- EPSE 390.3 Exceptional Learners
- ECUR 400.3 Curriculum and Instruction for Saskatchewan Schools or ECUR 325.3 Relational Curriculum Making in the Secondary Context or ECUR 200.3: Curriculum and Instruction
- EDST 215.6 Internationally Educated Teachers Field Experience

• **Choose 3 credit units of Indigenous Studies**:

INDG 107.3 Introduction to Canadian Indigenous Studies is recommended.

• INDG — 100-Level, 200-Level, 300-Level, 400-Level
• ANTH 202.3 Anthropology and Indigenous Peoples in Canada
• ANTH 350.3 Introduction to Boreal Forest Archaeology
• AREC 220.3 History of Indigenous Agriculture in Canada
• DRAM 111.3 Practicum I Indigenous Performance Methods
• ENG 242.3 Indigenous Storytelling of the Prairies
• ENG 243.3 Introduction to Indigenous Literatures
• ENG 335.3 The Emergence of Indigenous Literatures in Canada
• ENG 338.3 Contemporary North American Indigenous Literatures
• GEOG 465.3 Environment and Health in Indigenous Communities
• HIST 193.3 History Matters Topics in Canadian History
• HIST 195.3 History Matters Indigenous Perspectives on Canadian History
• HIST 257.3 The Canadian Prairie to 1905
• HIST 315.3 Indigenous Health History
• HIST 316.3 History of the Metis in Twentieth Century Prairie Canada
• HIST 366.3 Indigenous Womens Life Stories in Early North America
• HIST 367.3 Early Indigenous North American Diasporas
• HIST 432.3 Turtle Island Stories From Erasure to Empowerment in Early North American Ethnohistories
• HIST 468.3 Topics in Urban History Saskatoon Indigenous History
• KIN 306.3 Introduction to Indigenous Wellness
• LING 114.3 Indigenous Languages and Stories Introduction to the Structure of Language
• LING 253.3 Indigenous Languages of Canada
• PLAN 445.3 Planning with Indigenous Communities
• POLS 222.3 Indigenous Governance and Politics
• POLS 323.3 First Nations Policies and Programs
• SOC 219.3 Indigenous Peoples and Justice in Canada
• SOC 319.3 Indigenous People in Urban Areas
• SOC 341.3 Institutional Racism and Indigenous People

For Information:

Field Experiences Policies

To approve the **Field Experiences policies and information** outlined for inclusion in the 2026-2027 University Catalogue.

Academic Policies
College of Education
(https://programs.usask.ca//education/policies.php)

Field Experiences
<insert between Promotion Standards and Extended Practicum sections>
The Field Experiences Team is responsible for finding placements for teacher candidates. Teacher candidates do not generally have a choice of placement location for their field experiences or extended practicum. Teacher candidates will be provided with an opportunity to indicate preferred locations and an attempt to accommodate placement location requests will be made in accordance with available placement opportunities with external partners.

Teacher candidates who are unsuccessful in their first attempt at a field experience may be provided a second attempt by the Field Experiences Team. A second attempt is contingent on the successful completion of documented goals and timelines. Second attempts are contingent on the teacher candidate remaining registered in the field experience/extended practicum for the duration of the term to ensure a grade can be assigned.

Professionalism, in general, is a key part of academic assessment for the various field experiences. Teacher candidates enrolled in field experiences and the extended practicum must comply with USask Student Academic Misconduct Regulations and, as such, lack of professionalism may result in the cancellation of the field placement, a failed field experience, and/or an Academic Misconduct Hearing.

Field Experiences are governed by a separate set of policies, practices and procedures. Visit the Field Experiences Handbook for more information (https://education.usask.ca/documents/field-experiences-documents/field-experiences-handbook.pdf). As noted in the Field Experiences Handbook, suitability for the teaching profession is directly related to the Six Essential Skills for Teacher Candidates.

Extended Practicum
There are certain requirements that must be completed by **June 30,** prior to enrolling in the extended practicum in the final year of the program, including: all required external and Teaching Area I and II coursework; the required Education courses with a minimum 60% ED.W.A.; teacher candidate teaching component/field experience component of the program; and, the external component of the program with a minimum 60% EX.W.A.

By June 30, prior to the extended practicum in the final year of the program, teacher candidates in the Secondary option must complete all external courses in Teaching Areas I and II with a minimum average of 60% and teacher candidates in the Early/Middle Years option must

complete all external courses in Teaching Areas I and II and courses in the Required Areas of Study.

For students in a four-year B.Ed. program, all Year 1, 2, and 3 program requirements must be completed before enrolling in the Extended Practicum in Year 4. For students in the five-year B.Sc. Kinesiology/B. Education Combined program, all Year 1, 2, 3, and 4 program requirements must be completed before enrolling in the Extended Practicum in Year 5.

Please contact an academic advisor in the College of Education for further information.

Graduation Standards

1. Cumulative Weighted Average (C.W.A.) of at least 60%
2. External Weighted Average (EX.W.A.) of at least 60%
3. Education Weighted Average (ED.W.A.) of at least 60%
4. Teacher candidates in the Secondary program route must have a minimum average of 60% in each of Teaching Areas I and II.

Distinction and Great Distinction

Graduation Standards in the College of Education Involve Three Averages

Calculation of the Cumulative Weighted Average (C.W.A.)

~~1. The following policy refers to all courses other than the extended practicum, which is governed by a separate set of policies.~~

1. The following policy refers to all courses other than field experiences, which are governed by a separate set of policies, practices and procedures and are outlined in the Field Experiences Handbook (https://education.usask.ca/documents/field-experiences-documents/field-experiences-handbook.pdf).

College of Engineering - University Course Challenge Submission, DECEMBER 2025

The following changes have been approved through the College of Engineering and are being submitted here for approval through the University Course Challenge.

Contact: Temi Ojo (temitope.ojo@usask.ca)

Minor Course Revisions

Engineering Physics

1. **Motion:** To change the Engineering Physics Program Requirement to require students take "EP 271.3 (*Heat Kinetic Theory and Thermodynamics)* or ME 227.3 (Thermodynamics I)" in Fall Term rather than Winter Term, effective 2026-27 academic year.

Rationale: This is a follow-up to the program change approved last year that allows EP students to take either EP 271 or ME 227. This motion simply modifies the timing of the program schedule to align with the current delivery of the courses in term 1.

2. **Motion:** To move STAT 241.3 *(Probability Theory)* in the Engineering Physics program from Fall Term to Winter Term, effective 2026-27 academic year.

Rationale: This change rebalances the number of courses in each term of second year due to the move of EP 271/ME 227 from term 2 to term 1 as proposed in the previous motion.

3. **Motion:** To remove CME 331.3 *(Microprocessor Based Embedded Systems)* from the "Engineering Science or Engineering Design List" of "Engineering Physics Requirements", effective 2026-27 academic year.

Rationale: CME 331 (Microprocessor Based Embedded Systems) has some overlap in material with EP 413 (Instrumentation and Design), which is a required course for the Engineering Physics program.

Engineering Physics

Bachelor of Science in Engineering (B.E.) - Engineering Physics (149 credit units)

Year 2 (37 credit units)

Fall Term

- EE 232.3
- EP 202.3

- EP 253.1
- MATH 223.3
- PHYS 252.3
- RCM 200.3
- EP 271.3 or ME 227.3
- ~~STAT 241.3~~

Winter Term

- EE 221.3
- EP 214.3
- EP 228.3
- ~~EP 271.3 or ME 227.3~~
- STAT 241.3
- MATH 224.3
- PHYS 223.3

Year 3 (34 credit units)

Fall Term

- EE 321.3
- EP 353.2
- PHYS 356.3
- PHYS 383.3
- MATH 331.3
- 3 credit units of Engineering Physics Requirements

Winter Term

- EP 217.3
- EP 317.3
- EP 320.3
- EP 325.3
- EP 354.2
- PHYS 323.3
- 3 credit units of Engineering Physics Requirements

Year 4 (36 credit units)

Fall Term

- EP 413.3
- EP 417.3

- EP 421.3
- GE 348.3
- PHYS 456.3
- 3 credit units of Engineering Physics Requirements

Winter Term

- GE 449.3
- EP 428.3
- 3 credit units of Complementary Studies courses
- 3 credit units of Senior Humanities/Social Science courses. See the lists below under the Engineering Physics Requirements section.

Fall Term and Winter Terms

- PHYS 490.0

Choose 6 credit units from the following:

- EP 495.6
- GE 495.6 (Department permission required)

Engineering Physics Requirements

Engineering Science or Engineering Design List

3 credit units from the following list:

- CE 217.3
- ~~CME 331.3~~
- CME 341.3
- CME 342.3
- EE 241.3
- EE 322.3
- EE 341.3
- EE 342.3
- EE 343.3
- EE 442.3
- EE 471.3
- EE 472.3
- ENVE 201.3
- EP 440.3
- GE 213.3
- GEOE 377.3

or any other approved elective

Electrical Engineering

1. **Motion:** To delete EE 468 (Design of a Computer Vision System) from the course and program catalogue starting 2026-27 and beyond.

Rationale: This is a follow-up to the program change approved by UAPC in 2022. We have not taught this class for the past few years and have no intention of offering it again in the future.

The explanation is that two of the three image processing classes that form image processing option within the DSP stream will also be part of the Robotics Stream. It is believed that students interested in image processing will take the Robotics Stream leaving the third image processing class in the image processing option with very low enrolment. Removing the image processing option would eliminate the teaching of the third image processing class. It would also allow the other two image processing classes to use material in robotics classes, which would increase their value in the robotics engineering stream.

University Course Challenge – December 2025

The curricular revisions listed below were approved through the Graduate Programs Committee of the College of Graduate and Postdoctoral Studies and are now submitted to the University Course Challenge for approval.

Contact: Chelsea Smith, CGPS Academic Affairs Specialist (chelsea.smith@usask.ca or gradprograms.academicaffairs@usask.ca)

EDWARDS SCHOOL OF BUSINESS

Course Deletions:

- **MBA 825.3: Financial Management**
- **MBA 829.3: Financial Statement Analysis**
- **MBA 885.3: Essential Management Skills**

Rationale: Edwards has been engaged in a process of reviewing the current MBA program to align programming with the USask's vision 'To Be What the World Needs' and both the Edwards School of Business and USask's mission, vision and values—creativity, sustainability, connectivity, reconciliation and diversity. This process has involved many different phases, beginning with Project 2020 led by an Edwards Associate Dean and a faculty member that included a survey of employers and a market analysis, and more recently, with a new Edwards Associate Dean and Program Director, involved a stakeholder consultation session in June 2023, comprised of employers, faculty and students. Throughout the process, Edwards has consulted various sources, including student exit surveys, interviews with students who opted for a different MBA program, as well as an environmental scan. They learned that people see value in many aspects of the MBA program, but there are also several opportunities for Edwards to fill gaps and capitalize on opportunities for growth in the program. The MBA program was revised in 2024-25 and changes were approved through the CGPS Graduate Programs Committee and University Course Challenge. As part of this revision, MBA 825.3, MBA 829.3, and MBA 885.3 were removed from the MBA program and replaced with three new courses. Students in program no longer require these courses and as such, they are being put forward for deletion.

KINESIOLOGY

New Courses:

KIN 801.3 Qualitative Research in Sport and Exercise Science

Course Description: Qualitative inquiry in sport and exercise science represents a diverse range of approaches to studying the experiences of individuals participating in sport and physical activity. Broadly, this course seeks to examine qualitative research methods and methodologies in sport and physical activity settings. This course will examine foundational issues of epistemology, ontology, and paradigms, methods of data collection, analysis, and forms of

representing qualitative research findings. It will also provide practical opportunities to engage in processes of qualitative methodologies that will directly relate to student's graduate work.
Weekly hours: 3L
Permissions: Instructor Permission Required
Restrictions: Restricted to students in the College of Graduate and Postdoctoral Studies
Note: Students with credit for ERES 845 will not receive credit for this course.
Rationale: To provide a course for students interested in sport, exercise and health. The main text, Qualitative Research Methods in Sport, Exercise and Health, will guide the course with supplemental readings from journals. The evaluation components reinforce specificity around sport exercise and health, and the in-person course will offer immediacy, spontaneous discussion and an overall rich seminar experience for cohorts that moving through Kinesiology.

PLANT SCIENCES
New course:

PLSC 820.3 Plant-soil feedbacks in agricultural and natural systems
Course Description: This course explores how plants alter the soil in which they grow and the consequences of those changes for future plant survival and growth (plant-soil feedbacks). This is an advanced course targeted at graduate students working on related issues or with an interest in the subject. Through this course, students will explore the different mechanisms leading to plant-soil feedbacks, how these mechanisms interact and are mediated by external factors, and the consequences of plant-soil feedbacks in both agricultural and natural systems. Precise topics will be determined based on student interests, with students expected to lead both lectures and discussion of relevant literature.
Restriction(s): Only open to students in a graduate program.
Instructor permission required.
Weekly hours: 2L
Rationale: There is growing interest in soil biology and soil management within both ecology and agriculture, particularly with respect to how soils influence vegetation and agricultural productivity. It is impossible to fully understand soils, however, without understanding how they are affected by plants. Consequently, the reciprocal effects of plants on soils and soils on plants need to be considered for sustainable management of agricultural and natural systems. While there are numerous plant or soil-focused courses available, there are no courses that explicitly explore the reciprocal relationships between plants and soils. Further, this course is unique in that it offers an integrative perspective by considering changes in both the biological and chemical aspects of soils across different types of ecosystems (agricultural fields, grasslands, forests), thus developing a fulsome understanding of these interactions. The last time I offered this course as a special topics course, all 10 slots were filled with students coming from multiple departments and colleges, indicating significant demand.

Course Revision

PLSC 825.3 Applied Plant Biotechnology
Current weekly hours: 3 Lecture hours and 6 Practicum/Lab hours
Proposed weekly hours: 3 Lecture hours
Current Description: Examines the application of tissue culture to plant and plant product development, the principles of plant genetic engineering, the development of molecular markers

and associated technologies, application of genomic technologies to plant breeding, and the regulatory and social issues associated with plant biotechnology. The laboratory allows students hands-on experience with different techniques in plant biotechnology.
Proposed Description: Provides students with a broad background on the fundamental aspects of biotechnology as they apply to the improvement of our world. Plant biotechnology is a highly dynamic area which is being accelerated by advances in technologies which enable precise measurements on both the small (e.g. cellular) and large (e.g. population) levels. Each lecture week is organized around a concept which connects (1) natural variation in plants, (2) the cutting-edge technologies used to query different aspects of plant biology, and (3) the much-needed applications of these technological advances to the world.
Current Prerequisite(s): BIOL 226 and PLSC 317 or any 200-level BIOC, or permission of instructor or department.
Proposed Prerequisite(s): n/a

SCHOOL OF ENVIRONMENT AND SUSTAINABILITY
Degree Requirement Revisions:

Sustainable Water Management
Graduate Certificate (G.Cert.)
Certificate Requirements (10 credit units)
The certificate can be taken as a stand-alone program and/or the courses can be applied to the completion of the Master of Water Security (M.W.S.).

A minimum of **10 credit units**, including:

- **ENVS 818.1** Introduction to Sustainability
- ~~**JSGS 870.3** Water Policy in an Age of Uncertainty~~
- **ENVS 820.3** Water and Human Health and Wellbeing
- **ENVS 821.3** Sustainable Water Resources
- **ENVS 830.3** Water Policy and Management

Rationale: The JSGS course was offered by Jeremy Raynor; however, with Dr. Raynor's retirement, JSGS has no-one to teach this course for us. Therefore, SENS decided to redesign and offer the course in-house as ENVS 830 (Water Policy and Management) - in consultation with JSGS. This course has already been approved through University Course Challenge (July 2024) and approved for inclusion the Master of Water Security (November 2024).

FOR INFORMATION

ANTHROPOLGY

ANTH 808.3 Seminar in Practicing and Applied Anthropology
Current Restriction(s): Must be enrolled in the M.A. Project-based program in Anthropology, with a concentration in Practicing Anthropology.
Proposed Restriction(s): Must be enrolled in a Department of Anthropology Graduate Program.

Permission of the instructor required.

ANTH 990.0 Seminar
Current Restriction(s): Enrolment in the graduate program in Anthropology or permission of the Graduate Chair or designate.
Proposed Restriction(s): Enrolment in an Anthropology graduate program or permission of the Graduate Chair or designate.

ANTH 994.0 Research Thesis
Current Description: Students writing a Master's thesis must register for this course.
Proposed Description: Students writing a Master's thesis in an Anthropology program must register for this course.

ANTH 996.0 Research Dissertation
Current Description: Students writing a Ph.D. thesis ust register for this course.
Proposed Description: Students writing a Ph.D. dissertation must register for this course

ARCH 805.3 Core Seminar in Archaeological Method and Theory
Current description: Seminars based on a series of readings dealing with the development of archaeological theory. Special emphasis will be given to anthropological archaeology and contemporary explanatory models.
Proposed description: Seminars are based on a series of readings dealing with the development of archaeological theory. Special emphasis will be given to anthropological archaeology and contemporary explanatory models.

ARCH 861.3 Boreal Forest Archaeology
Current Prerequisite(s): ARCH 350, or equivalent, or permission of the instructor
Proposed Prerequisite(s): ARCH 350, or equivalent
Permission of the instructor required.
Proposed Restriction(s): Enrolment in the Archaeology Graduate Program

ARCH 990.0 Seminar
Current description: During residence, all graduate students will register in ARCH 990 and will present at least one paper based on their own research. Graduate students are required to attend and interested undergraduate students may be invited to attend.
Proposed description: During residence, all graduate students will register in ARCH 990 and will make at least one presentation based on their research. Graduate students are required to attend and interested undergraduate students may be invited to attend.

ARCH 996.0 Research Dissertation
Current Description: Students writing a Ph.D. thesis ust register for this course.
Proposed Description: Students writing a Ph.D. dissertation must register for this course

EDUCATION

SOTL 836.3 Teaching Methodologies in Health Professions Education

Current Description: Learners will explore, experience and practice a variety of teaching methodologies. Learners will learn to tailor instructional strategies in a variety of settings to enhance student learning.
Proposed description: This course is designed for educators in the health professions and explores a range of teaching methods for classroom, clinical, and community settings. Learners will study key learning theories, including behavioral, cognitive, social, and experiential, and apply them to instructional design. The course focuses on developing learning outcomes, lesson planning, and using strategies such as direct, interactive, experiential, and problem-based learning. Participants will also engage in reflective practice and build communities of practice to support collaboration and professional growth.
Current Restriction(s): Restricted to students in the M.Ed. in Health Professions program or students in the Certificate in Quality Teaching in Health Professions Education
Proposed Restriction(s): Restricted to students in the M.Ed. in Health Professions program or students in the Certificate in Teaching and Learning in Health Professions Education

SOTL 837.3 Technology and Simulation in Teaching and Learning
Current Description: Learners will focus on the effective use of technology and simulation in a variety of settings (small group, clinical teaching, teaching in rounds and other work-based environments), and their application in e-health learning strategies, social media and virtual learning opportunities, distributed learning, individual and team-based learning, and enhancing team-based skills.
Proposed Description: This course explores the purposeful integration of technology and simulation in health professions education to enhance teaching, learning, and assessment. Learners will discuss collaborative simulation scenarios to support experiential learning and clinical skill development. Emphasis is placed on applying educational technologies and digital tools to improve learner engagement, knowledge retention, and skill acquisition. Students will also evaluate emerging technologies and simulation innovations, considering their pedagogical value, feasibility, and ethical implications.
Current Restriction(s): Restricted to students in the M.Ed. in Health Professions program or students in the Certificate in Quality Teaching in Health Professions Education
Proposed Restriction(s): Restricted to students in the M.Ed. in Health Professions program or students in the Certificate in Teaching and Learning in Health Professions Education.

SOTL 838.3 Learner Assessment and Evaluation in Health Professions Education
Current Description: Learners will explore the principles of learner feedback and assessment, in addition to challenges of assessment practices. Assessment tools will be developed, practiced, and critiqued. Assessment of professional competencies and strategies in a variety of settings will be addressed.
Proposed description: Educators in the health professions will examine effective earner assessment practices across a variety of educational settings. The course emphasizes evidence-informed assessment design, backward design principles, and strategies for evaluating professional competencies. Participants will develop and analyze both formative and summative assessments, including written, performance-based, and clinical formats. Additional topics include standard setting, interpreting assessment data.
Current Restriction(s): Restricted to students in the M.Ed. in Health Professions program or students in the Certificate in Quality Teaching in Health Professions Education
Proposed Restriction(s): Restricted to students in the M.Ed. in Health Professions program or students in the Certificate in Teaching and Learning in Health Professions Education

SOTL 839.3 Program, Curriculum, and Course Design Development in Health Professions Education
Current Description: Curriculum design and development is a labour-intensive process that requires lost of preplanning and development prior to coming anywhere near implementation. Variables and consideration include understanding the needs of your learners, developing program level learning objectives aligned to course level and session level learning objectives, optimizing learning strategies, alignment and design based on assessment needs, implementation, and evaluation of the effectiveness of the curriculum. Throughout this course we will learn about all these aspects (and more) and work to model what we are learning to develop and implement a curricular step and plan and develop a curriculum of your choosing.
Proposed Description: This course guides educators through the systematic design of programs, curricula, and courses in health professions education. Participants will explore curriculum theory, foundational principles, and essential technical components to ensure alignment with healthcare standards and stakeholder needs. Emphasis is placed on integrating theory with practical frameworks to create cohesive, learner-centered educational experiences. The course also addresses current trends and innovations, including technology integration, inclusive practices, and data-informed decision-making to enhance instructional design.
Current Restriction(s): Restricted to students in the M.Ed. in Health Professions program or students in the Certificate in Quality Teaching in Health Professions Education
Proposed Restriction(s): Restricted to students in the M.Ed. in Health Professions program

JOHNSON SHOYAMA

JSGS 811.3 Nongovernmental Organizations and Alternative Service Delivery
Current Title: Nongovernmental Organizations and Alternative Service Delivery
Proposed Title: Foundations of the Nonprofit Sector
Current description: Examines the increasing role played by the third sector in Canada. Students will examine alternative allocations of responsibility for solving particular social and public problems – voluntary, not-for-profit, for-profit, joint public/private, public encouraged/subsidized, and publicly coerced – along with examples, reasons, and theories for particular forms of organization, new methods of accountability and tensions between government and its new partners.
Proposed description: Provides a descriptive and analytical overview of the Canadian voluntary sector. This graduate course focuses on the structure of the voluntary sector, its history and relationship with government. This course challenges students to assess criteria, which determine the enabling policy environment for non-profit organizations.

Restrictions below applicable to the following courses:

- **JSGS 800.3 Metis Governance: Historical Legacy and Contemporary Transformation**
- **JSGS 810.3 Co-operative and Nonprofit Governance and Leadership**
- **JSGS 889.3 Negotiations and Consultations in Northern and Indigenous Areas**
- **JSGS 893.3 Foundations of Indigenous Governance**
- **JSGS 894.3 Indigenous Nation Building In Practice**
- **JSGS 896.3 Indigenous Nation Building in Canada**

- **JSGS 898.3 Special Topics**

Proposed Restriction(s): Restricted to JSGS students or by permission of the department.

JSGS 869.3 Ideas in Public Policy
Current Restriction(s): Admission into the JSGS Ph.D. program.
Proposed Restriction(s): Restricted to JSGS students or by permission of the department

JSGS 870.3 Water Policy in an Age of Uncertainty
Current Restriction(s): Admission into the Master of Public Administration (M.P.A.) program, Master of Public Policy (M.P.P.) program, Ph.D. program, admission into a program in the School of Environment and Sustainability, or by permission of the instructor
Proposed Restriction(s): Restricted to JSGS students, admission into a program in the School of Environment and Sustainability or by permission of the department

JSGS 882.3 Strategic Management in the Public Sector
Current Restriction(s): Admission into the Master of Public Administration (M.P.A.) program.
Proposed Restriction(s): Restricted to JSGS students or by permission of the department

To propose the updated restriction below to the following courses:

- **JSGS 801.3 Governance and Administration**
- **JSGS 802.3 Public Finance**
- **JSGS 803.3 Quantitative Methods**
- **JSGS 805.3 Economics for Public Policy Analysis**
- **JSGS 806.3 Public Policy Analysis**
- **JSGS 807.3 Statistics for Public Managers**
- **JSGS 808.3 Ethical Leadership and Democracy in Public Service**
- **JSGS 811.3 Nongovernmental Organizations and Alternative Service Delivery**
- **JSGS 818.3 Program Evaluation**
- **JSGS 819.3 Gender and Public Policy**
- **JSGS 822.3 Comparative Public Policy**
- **JSGS 837.3 Health Economics**
- **JSGS 838.3 Public Sector Financial Management**
- **JSGS 846.3 Cooperatives in the New Economy Institutions Governance and Policy**
- **JSGS 849.3 Foundations in Social Economy and Public Policy**
- **JSGS 851.3 Qualitative Methods**
- **JSGS 853.3 Negotiation and Conflict Resolution**
- **JSGS 859.3 Innovation Policy**
- **JSGS 862.3 Political Economy**
- **JSGS 864.3 Social Policy Interdisciplinary Perspectives**
- **JSGS 865.3 Decision Making in Organizations**
- **JSGS 867.3 Advanced Policy Analysis**
- **JSGS 870.3 Water Policy in an Age of Uncertainty**
- **JSGS 880.3 Advanced Governance Analysis**

Current Restriction(s): Admission into the Master of Public Administration (M.P.A.) program, Master of Public Policy (M.P.P.) program, Ph.D. program, or by permission of the instructor.
Proposed Restriction(s): Restricted to JSGS students or by permission of the department

SCHOOL OF ENVIRONMENT AND SUSTAINABILITY

ENVS 807.3 Sustainability in Theory and Practice
Current Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program, Master of Environment and Sustainability (MES), or have permission of the instructor.

ENVS 819.3 Catchment Hydrology
Current Restriction(s): Students must be registered in the Master of Water Security program or have permission of the instructor.
Proposed Restriction(s): Students must be registered in the Master of Water Security program (M.W.S.) or have permission of the instructor.

Correction: change the prerequisite to a restriction(s) for the following courses:

- ENVS 814.3 Qualitative Methodologies
- ENVS 841.3 Renewable and Clean Energy Systems
- ENVS 850.1 Systems Thinking for Sustainability
- ENVS 861.3 Fundamentals of Climate Change Vulnerability Assessments
- ENVS 882.2 Foundations of Governance for Sustainability
- ENVS 885.1 Practical Law for Project Development
- ENVS 886.2 Building Understanding in the Age of Reconciliation

SCHOOL OF REHABILITATION SCIENCE

Master of Occupational Therapy
Correction: The Master of Occupational Therapy program was approved by University Council on April 17, 2025. The post-acceptance requirements for the program were overlooked when the program was initially put forward for approval and are now being added to the catalogue.

Post-acceptance requirements
Requirements of students admitted to the first year of the Master of Occupational Therapy program are as follows:

- Must maintain current certification in Cardiopulmonary Resuscitation (CPR) throughout their time in the program. See the **CPR Certification Requirements**.
- Must comply with the **mandatory immunization requirements**. Students must also be Respirator Fit Mask tested while in the program.
- Must complete a specific **police/criminal record check and vulnerable sector check** prior to starting the program before being accepted for clinical placements in clinical facilities.

- Additional common requirements as preparation for clinical placements include: additional health, disability and dismemberment insurance, and signed confidentiality agreements.

Master of Speech-Language Pathology

Correction: The Master of Speech-Language Pathology program was approved by University Council on April 17, 2025. The post-acceptance requirements for the program were overlooked when the program was initially put forward for approval and are now being added to the catalogue.

Post-acceptance requirements
Requirements of students admitted to the first year of the Master of Speech-Language Pathology program are as follows:

- Must maintain current certification in Cardiopulmonary Resuscitation (CPR) throughout their time in the program. See the **CPR Certification Requirements**.
- Must comply with the **mandatory immunization requirements**. Students must also be Respirator Fit Mask tested while in the program.
- Must complete a specific **police/criminal record check and vulnerable sector check** prior to starting the program before being accepted for clinical placements in clinical facilities.
- Additional common requirements as preparation for clinical placements include: additional health, disability and dismemberment insurance, and signed confidentiality agreements.

College of Kinesiology - University Course Challenge December 2025

The following changes have been approved through the College of Kinesiology:

For Information

Course Number Change – KIN 460.6 to KIN 450.6

In order to maintain consistency and alignment within the course numbering structure, the College has approved the renumbering of **KIN 460.6** to **KIN 450.6**. This change ensures alignment with its counterpart and prerequisite, **KIN 350.6**.

~~**KIN 460.6**~~ **KIN 450.6: Huskie Athletics Student Trainer Practicum II**

This practicum allows successful student trainer applicants to attain 6 credit units for their yearlong commitment to Huskie Athletics. Student trainers will be assigned to a varsity sports team in the fall semester. The Student Trainer Practicum II includes a pre-season orientation, monthly education seminars, minimum of 1 hour of shadowing in Huskie Health/week, team support at practices and games, and assessment of knowledge learnt. The orientation will take place at the beginning of term one educate students on their roles and responsibilities when working with a team, Huskie Health policies and procedures, USPORT and CANWEST requirements, policies and procedures, and expectations working alongside an IST (Integrated Support Team). Students will evaluated and receive a final grade for this practicum.
Prerequisite(s): KIN 321.3 and KIN 350.3; a minimum of 30 credit units at the university level; successful interview and acceptance into the program; standard First Aid and CPR; Sport First Responder (Hosted by Huskie Health and offered to students in Spring/Summer entering their first year).

The course number change was formally approved by the College of Kinesiology on **November 6, 2025**.

If there are any questions please reach out to Keeran Wagner, Manager Undergraduate Student Academic Services

College of Nursing – December 2025 University Course Challenge

The following has been approved by the College of Nursing Faculty Council, and is being submitted to University Course Challenge for final approval:

Minor Course Revision

NURS 221.3 — SP(144C)

Patient and Family Centered Care in Clinical Practice I

Opportunities to demonstrate critical thinking skills in the performance of nursing interventions necessary for the maintenance of patient safety, comfort, and physiological integrity in clinical situations.

Restriction(s): Restricted to students in the College of Nursing who are registered in the B.S.N. program or the Post-Degree B.S.N. Option.

Prerequisite(s) ~~**or Corequisite(s):**~~ NURS 201.3, NURS 203.3, NURS 220.3, PHAR 250.3, NURS 260.2, NURS 241.4, NURS 231.4, NURS 247.3, MCIM 223.3, NUR 246.3 and one of the following: NURS 208.3, BMSC 208.3, or PHSI 208.3.

Note: Post-Degree B.S.N. classes are offered in an open learning format with the same number of hours, but in alternate time frames. Costs in addition to tuition will apply to this course.

Rationale: Requiring the above as prerequisites rather than pre/co-requisites will ensure students have fully mastered foundational concepts before advancing, as concurrent enrollment would not provide sufficient preparation for its rigorous content.

University Course Challenge – December 2025
Contact: Tara Hackl (hackl@edwards.usask.ca)

The following items were approved by Edwards Faculty Council on December 10, 2025, and are now submitted to the University Course Challenge for approval.

New Courses:

COMM 111.3: Introduction to Business in Society
This course introduces students to the business profession and the Edwards School of Business learning goals. Students will explore how business operates in local, national, and global contexts, with an emphasis on sustainability, social responsibility, and Indigenous worldviews. The course integrates foundational concepts in business as a context for developing essential skills in professionalism, collaboration, communication, and problem-solving. Students will engage with real-world scenarios, decision-making frameworks, and technological tools to prepare for success in the B.Comm. program and their professional careers.
Notes: This course is only available to students in the Edwards School of Business.

RATIONALE: *The introduction of COMM 111.3 Business in Society as a core B.Comm. requirement (to replace COMM 101.3 Introduction to Business) represents an intentional evolution of the first-year B.Comm. experience to ensure stronger alignment with Edwards' strategic priorities, learning goals, and the competencies students need for success in upper-year courses and in the business profession.*

While COMM 101.3 has long played an important role in introducing students to the functional areas of business, recent curriculum review and student feedback suggest an opportunity to better scaffold foundational skills earlier in the program. The functional areas continue to be covered in greater depth in the introductory major courses, creating space in the first-year core course to focus on developing core B.Comm. competencies – professionalism, communication, collaboration, critical thinking, decision-making, and technological proficiency.

COMM 111.3 situates these competencies within contemporary business contexts, emphasizing sustainability, social responsibility, Indigenous worldviews, and the local, national, and global environments in which businesses operate. Students will still engage with the functional areas of business, but in a more integrated and applied manner that enhances their understanding of business as an interconnected system.

The lab component from COMM 101.3 will move into COMM 111.3 and be enhanced to include a broader range of technological competencies, reflecting an identified gap in student preparedness for later B.Comm. courses. Integrating these skills directly into the first-year curriculum provides earlier, more intentional support and creates a stronger and more cohesive foundation for student success across the program.

Importantly, COMM 101.3 will remain a valuable offering as a dual-credit option for high school students and as a service course for students in other colleges. However, B.Comm. students will now be required to take COMM 111.3 to ensure their first-year experience is aligned with program-level learning goals and the progressive development of competencies across the curriculum.

The intention is that this course would be a prerequisite course for all 200-level introductory courses (COMM 201.3, COMM 203.3, COMM 204.3, COMM 205.3, COMM 211.3, and COMM 249.3).

Overall, this change allows Edwards to strengthen first-year foundations, reduce redundancy across the program, and better prepare students for academic and professional success.

COMM 249.3 Introduction to Entrepreneurship
This course introduces students to entrepreneurial thinking and the innovation process in both new venture and organizational settings. Students will learn how entrepreneurs identify problems, generate and evaluate opportunities, develop value propositions, and communicate their ideas. Emphasis is placed on entrepreneurial mindset development, creativity, problem-solving, and understanding the broader social, environmental, and cultural impacts of entrepreneurial activity, including Indigenous and global perspectives.
Prerequisite(s): COMM 111.3

RATIONALE: *This new core course will introduce all B.Comm. students to foundational concepts in entrepreneurial thinking and innovation early in their program. As the School plans to remove COMM 447.3 from the core B.Comm. curriculum, COMM 249.3 ensures that every student continues to develop foundational entrepreneurial competencies – an important priority in the Edwards Strategic Plan. Embedding entrepreneurship at the second-year level also supports earlier skill development in creativity, opportunity recognition, and problem-solving, and creates a stronger foundation for upper-year courses, experiential learning opportunities, and co-curricular initiatives across the School.*

COMM 442.3 Natural Resource Management
Students will develop the skills required to manage the natural resources of the province of Saskatchewan through experiential land-based learning. During condensed integrated modules explored through site visits, the course applies the functional areas of business by studying the natural resource sectors of agribusiness, oil and gas, mineral exploration and mining, forestry and renewables. Students will learn the basic characteristics of each sector and then identify current and future issues and opportunities and finally develop sustainable management practises in an effort to proactively impact the economic, social and environmental metrics of the region given local Indigenous ways of knowing and being.
Prerequisite(s): Minimum 60 credit units of university study. Completion of COMM 247.3 or COMM 347.3 is strongly recommended.
Notes: Priority will be given to students enrolled in the Edwards School of Business

RATIONALE: *This course has successfully run twice as a COMM 498.3 Special Topics course and must now be regularized should it continue to be offered. The proposed undergraduate course in Natural Resource Management helps students to develop the skills required to manage the natural resources of the province of Saskatchewan and throughout Western Canada through an Indigenous economic reconciliation perspective.*

Changes to the B.Comm. Program

NOTES/RATIONALE:

- *New course – COMM 111.3 Business in Society – replaces COMM 101.3 Introduction to Business as a core course.*
    - *COMM 111.3 Business in Society introduces students to the business profession and the Edwards School of Business learning goals. Students will explore how business operates in local, national, and global contexts, with an emphasis on sustainability, social responsibility, and Indigenous worldviews. The course integrates foundational concepts in business as a context for developing essential skills in professionalism, collaboration, communication, and problem-solving. Students will engage with real-world scenarios, decision-making frameworks, and technological tools to prepare for success in the B.Comm. program and their professional careers.*
    - *COMM 111.3 – which focuses primarily on laying the foundations for B.Comm. enabling competencies – is a prerequisite for all 200-level intro courses*
    - *COMM 101.3 is still available as dual credit course for HS students (can be used as elective in B.Comm. program) and for students in other colleges*
    - *Lab component moves from COMM 101.3 to COMM 111.3; additional lab competencies are introduced to address gap in technological proficiency competencies*
- *ECON 111.3 & ECON 114.3 move back into Year 1; COMM 204.3 and COMM 211.3 move back into Year 2*
    - *Places all intros to the disciplines in Year 2*
    - *Allows students to progress through ECON courses*
    - *Department of Economics has been consulted and is supportive*
- *COMM 347.3 Indigenous Business in Canada moves to Year 2 of the program as COMM 247.3 Introduction to Indigenous Business in Canada*
    - *Introduces students to these concepts earlier in the program*
    - *Creates opportunities for introducing 300- and 400-level Indigenous Business courses (possibility of introducing major or minor in the future)*
    - *COMM 247.3 as prerequisite for COMM 306.3 (previous prerequisite was COMM 101.3 – students were underprepared for success) and courses like COMM 498.3 Natural Resource Management, COMM 498.3 Facilitating Social Change*
- *Add COMM 249.3 Introduction to Entrepreneurship and Innovation to core B.Comm. curriculum*
    - *With the introduction of a Major in Entrepreneurship forthcoming and the removal of COMM 447.3 Entrepreneurship and Venture Development from the core B.Comm. curriculum it is essential to introduce all students to concepts in entrepreneurship and innovation*
- *Move COMM 213.3/307.3 Management Information Systems back to the third year*

    - *The course was previously offered in third year as COMM 307.3*
    - *Gives students an opportunity to ladder skills and competencies from years 1 and 2*
    - *Accounting majors are exempt from COMM 213.3/307.3; moving this course back to third year means students will know whether they have been accepted to the major and whether they are required to take this course*
- *Remove COMM 447.3 Entrepreneurship and Venture Development from core*
    - *Introducing entrepreneurship and innovation at 200-level*
    - *COMM 447.3 is a resource intensive class; eliminating as core frees up resources to offer additional courses in entrepreneurship, leading to a Major in Entrepreneurship in the future*
- *Make first- and second- year electives any level COMM or non-COMM*
    - *Allows for COMM 101.3 to be used as an elective*
    - *Gives more flexibility for specialized programs such as study abroad, taught abroad, special topics COMM courses, honours, etc.*

Mark-up for B.Comm. Changes (Finance, Human Resources, Management, Marketing, Supply Chain Management)

Year 1 (30 credit units)

- **COMM 100.3** Business Communication
- ~~**COMM 101.3** Introduction to Business~~
- **COMM 104.3** Foundations of Business Statistics
- **COMM 105.3** Introduction to Organizational Behaviour
- **COMM 111.3** Business in Society
- **COMM 121.3** Business Mathematics
- ~~**COMM 204.3** Introduction to Marketing~~
- ~~**COMM 211.3** Human Resource Management~~
- **COMM 129.3** ~~**229.3**~~ Personal Financial Management
- **ECON 111.3** Introductory Microeconomics
- **ECON 114.3** Introductory Macroeconomics

Non-COMM Elective

Choose **6 credit units** from the following:

- ~~100-level non-Commerce elective~~
- Any elective

Mathematics

Students who are particularly strong in Mathematics and who may wish to undertake additional studies in university level Mathematics are encouraged to take **MATH 110.3** Calculus I or **MATH 176.3** Advanced Calculus I. The Edwards School will accept **MATH 110.3** Calculus I, MATH 121.3, MATH 123.3, **MATH 125.3** Mathematics for the Life Sciences, **MATH 133.4** Engineering Mathematics I, or **MATH 176.3** Advanced Calculus I in place of **COMM 121.3** Business Mathematics. Students may choose to take **COMM 121.3** Business Mathematics plus one

of MATH 110.3 Calculus I or MATH 176.3 Advanced Calculus I as an elective if the course is completed after COMM 121.3 Business Mathematics. MATH 121.3, MATH 123.3, MATH 125.3 Mathematics for the Life Sciences, or MATH 133.4 Engineering Mathematics I cannot be used as electives in the B.Comm. program.

Statistics Courses

Please note the following regarding Statistics courses:

COMM 104.3 Foundations of Business Statistics

The following courses can be used in place of COMM 104 in the B.Comm. program and CANNOT be used as non-Commerce electives in the B.Comm. program. Students wishing to pursue further studies in Statistics should review the Arts & Science Statistics Course Regulations and consult with an Academic Advisor.

- EE 216.3 Probability Statistics and Numerical Methods
- GE 210.3 Probability and Statistics
- PLSC 214.3 Statistical Methods
- PSY 233.3 Statistical Methods in Behavioural Sciences A
- STAT 241.3 Probability Theory
- STAT 244.3 Elementary Statistical Concepts
- STAT 245.3 Introduction to Statistical Methods
- STAT 246.3 Introduction to Biostatistics

COMM 207.3 Statistics for Business Decisions

The following courses can be used in place of COMM 207 in the B.Comm. program and CANNOT be used as non-Commerce electives in the B.Comm. program. Students wishing to pursue further studies in Statistics should review the Arts & Science Statistics Course Regulations and consult with an Academic Advisor.

- STAT 242.3 Statistical Theory and Methodology
- PSY 234.3 Statistical Methods in Behavioural Sciences B

STAT 103.3

STAT 103 is NOT equivalent to either COMM 104 or COMM 207, but CAN be used as a non-Commerce elective if taken prior to COMM 104 or an equivalent.

Year 2 (30 credit units)

- COMM 201.3 Introduction to Financial Accounting
- COMM 203.3 Introduction to Finance
- **COMM 204.3** Introduction to Marketing
- COMM 205.3 Introduction to Operations Management
- COMM 207.3 Statistics for Business Decisions
- COMM 210.3 Introduction to Management Accounting
- **COMM 211.3** Human Resource Management
- ~~**COMM 213.3** Management Information Systems~~

- **COMM 247.3** Introduction to Indigenous Business in Canada
- **COMM 249.3** Introduction to Entrepreneurship
- ~~**ECON 111.3** Introductory Microeconomics~~
- ~~**ECON 114.3** Introductory Macroeconomics~~

Choose 3 ~~6~~ credit units from the following:

- ~~non-Commerce electives~~
- Any elective

Statistics Courses

Please note the following regarding Statistics courses:

COMM 104.3 Foundations of Business Statistics

The following courses can be used in place of COMM 104 in the B.Comm. program and CANNOT be used as non-Commerce electives in the B.Comm. program. Students wishing to pursue further studies in Statistics should review the Arts & Science Statistics Course Regulations and consult with an Academic Advisor.

- EE 216.3 Probability Statistics and Numerical Methods
- GE 210.3 Probability and Statistics
- PLSC 214.3 Statistical Methods
- PSY 233.3 Statistical Methods in Behavioural Sciences A
- STAT 241.3 Probability Theory
- STAT 244.3 Elementary Statistical Concepts
- STAT 245.3 Introduction to Statistical Methods
- STAT 246.3 Introduction to Biostatistics

COMM 207.3 Statistics for Business Decisions

The following courses can be used in place of COMM 207 in the B.Comm. program and CANNOT be used as non-Commerce electives in the B.Comm. program. Students wishing to pursue further studies in Statistics should review the Arts & Science Statistics Course Regulations and consult with an Academic Advisor.

- STAT 242.3 Statistical Theory and Methodology
- PSY 234.3 Statistical Methods in Behavioural Sciences B

STAT 103.3

STAT 103 is NOT equivalent to either COMM 104 or COMM 207, but CAN be used as a non-Commerce elective if taken prior to COMM 104 or an equivalent.

Year 3 (30 credit units)

Core Requirements (9 credit units)

- COMM 304.3 Introduction to Business Law
- COMM 306.3 Ethics and Strategic Decision Making
- **COMM 307.3** Management Information Systems

- ~~**COMM 347.3** Indigenous Business in Canada~~

Choose 3 credit units from the following:

- Any Elective
- ~~Any level non-Commerce elective OR~~
- ~~300 level or higher non-COMM~~

Year 4 (30 credit units)

Core Requirements (~~6~~ 3 credit units)

- COMM 401.3 Business Strategy
- ~~**COMM 447.3** Entrepreneurship & Venture Development~~

Mark-up for B.Comm. Changes (Accounting)

Year 1 (30 credit units)

- COMM 100.3 Business Communication
- ~~**COMM 101.3** Introduction to Business~~
- COMM 104.3 Foundations of Business Statistics
- COMM 105.3 Introduction to Organizational Behaviour
- **COMM 111.3** Business in Society
- COMM 121.3 Business Mathematics
- ~~**COMM 204.3** Introduction to Marketing~~
- ~~**COMM 211.3** Human Resource Management~~
- COMM **129.3** ~~**229.3**~~ Personal Financial Management
- **ECON 111.3** Introductory Microeconomics
- **ECON 114.3** Introductory Macroeconomics

Non-COMM Elective

Choose **6 credit units** from the following:

- ~~100-level non-Commerce elective~~
- Any elective

Mathematics

Students who are particularly strong in Mathematics and who may wish to undertake additional studies in university level Mathematics are encouraged to take **MATH 110.3** Calculus I or **MATH 176.3** Advanced Calculus I. The Edwards School will accept **MATH 110.3** Calculus I, MATH 121.3, MATH 123.3, **MATH 125.3** Mathematics for the Life Sciences, **MATH 133.4** Engineering Mathematics I, or **MATH 176.3** Advanced Calculus I in place of **COMM 121.3** Business Mathematics. Students may choose to take **COMM 121.3** Business Mathematics plus one of **MATH 110.3** Calculus I or **MATH 176.3** Advanced Calculus I as an elective if the course is completed after **COMM 121.3** Business Mathematics. MATH 121.3, MATH 123.3, **MATH 125.3** Mathematics for the Life Sciences, or **MATH 133.4** Engineering Mathematics I cannot be used as electives in the B.Comm. program.

Statistics Courses

Please note the following regarding Statistics courses:

COMM 104.3 Foundations of Business Statistics

The following courses can be used in place of COMM 104 in the B.Comm. program and CANNOT be used as non-Commerce electives in the B.Comm. program. Students wishing to pursue further studies in Statistics should review the Arts & Science Statistics Course Regulations and consult with an Academic Advisor.

- **EE 216.3** Probability Statistics and Numerical Methods
- **GE 210.3** Probability and Statistics
- **PLSC 214.3** Statistical Methods
- **PSY 233.3** Statistical Methods in Behavioural Sciences A
- **STAT 241.3** Probability Theory
- **STAT 244.3** Elementary Statistical Concepts
- **STAT 245.3** Introduction to Statistical Methods
- **STAT 246.3** Introduction to Biostatistics

COMM 207.3 Statistics for Business Decisions

The following courses can be used in place of COMM 207 in the B.Comm. program and CANNOT be used as non-Commerce electives in the B.Comm. program. Students wishing to pursue further studies in Statistics should review the Arts & Science Statistics Course Regulations and consult with an Academic Advisor.

- **STAT 242.3** Statistical Theory and Methodology
- **PSY 234.3** Statistical Methods in Behavioural Sciences B

STAT 103.3

STAT 103 is NOT equivalent to either COMM 104 or COMM 207, but CAN be used as a non-Commerce elective if taken prior to COMM 104 or an equivalent.

Year 2 (30 credit units)

- **COMM 201.3** Introduction to Financial Accounting
- **COMM 203.3** Introduction to Finance
- **COMM 204.3** Introduction to Marketing
- **COMM 205.3** Introduction to Operations Management
- **COMM 207.3** Statistics for Business Decisions
- **COMM 210.3** Introduction to Management Accounting
- **COMM 211.3** Human Resource Management
- **COMM 247.3** Introduction to Indigenous Business in Canada
- **COMM 249.3** Introduction to Entrepreneurship
- ~~**COMM 304.3** Introduction to Business Law~~
- ~~**ECON 111.3** Introductory Microeconomics~~
- ~~**ECON 114.3** Introductory Macroeconomics~~

Note: Students interested in pursuing Accounting as a major should not take **COMM 213.3/307.3** Management Information Systems. in year 2 as they will be required to take **COMM 337.3** Business Information and Accounting Systems in year 3. Instead, they should register for **COMM 304.3** Introduction to Business Law (or COMM 347 Indigenous Business in Canada). If a student is not successfully admitted to the Accounting major they will be required to complete **COMM 213.3** Management Information Systems in year 3. Students who do complete **COMM 213.3/307.3** Management Information Systems and subsequently enter into the Accounting major may use **COMM 213.3/307.3** Management Information Systems as an free senior elective.

Choose 3 6 credit units from the following:

- non-Commerce electives
- Any elective

Statistics Courses

Please note the following regarding Statistics courses:

COMM 104.3 Foundations of Business Statistics

The following courses can be used in place of COMM 104 in the B.Comm. program and CANNOT be used as non-Commerce electives in the B.Comm. program. Students wishing to pursue further studies in Statistics should review the Arts & Science Statistics Course Regulations and consult with an Academic Advisor.

- **EE 216.3** Probability Statistics and Numerical Methods
- **GE 210.3** Probability and Statistics
- **PLSC 214.3** Statistical Methods
- **PSY 233.3** Statistical Methods in Behavioural Sciences A
- **STAT 241.3** Probability Theory
- **STAT 244.3** Elementary Statistical Concepts
- **STAT 245.3** Introduction to Statistical Methods
- **STAT 246.3** Introduction to Biostatistics

COMM 207.3 Statistics for Business Decisions

The following courses can be used in place of COMM 207 in the B.Comm. program and CANNOT be used as non-Commerce electives in the B.Comm. program. Students wishing to pursue further studies in Statistics should review the Arts & Science Statistics Course Regulations and consult with an Academic Advisor.

- **STAT 242.3** Statistical Theory and Methodology
- **PSY 234.3** Statistical Methods in Behavioural Sciences B

STAT 103.3

STAT 103 is NOT equivalent to either COMM 104 or COMM 207, but CAN be used as a non-Commerce elective if taken prior to COMM 104 or an equivalent.

Year 3 (30 credit units)

Core Requirements (3 credit units)

- **COMM 304.3** Introduction to Business Law
- ~~**COMM 347.3** Indigenous Business in Canada~~

Note: Accounting students should not take COMM 306.3 or COMM 213.3/307.3. Students who do complete these courses and subsequently enter into the Accounting major may use them as elective courses.

Choose 3 credit units from the following:

- Any Elective
- ~~Any level non-Commerce elective OR~~
- ~~300 level or higher non-COMM~~

Year 4 (30 credit units)

Core Requirements (6 credit units)

- **COMM 401.3** Business Strategy
- ~~**COMM 447.3** Entrepreneurship & Venture Development or COMM 400.3*~~

Changes to the CBUS Program

NOTES/RATIONALE:

- *All courses are now required (no electives)*
    - *This change makes planning and progression simpler to manage, especially at the Prince Albert campus and in Indigenous Learning Communities*
    - *Ensures students are exposed to competencies in accounting (225.3), communication (100.3), entrepreneurship (249.3), human resources (211.3), Indigenous business (247.3), and personal finance (129.3)*
- *Add COMM 111.3 Business in Society to required*
    - *This course replaces COMM 101.3 as per B.Comm. changes*
- *COMM 225.3 (Introduction to Accounting and Financial Literacy for Entrepreneurs) instead of COMM 201.3 (Introduction to Financial Accounting)*
    - *COMM 225.3 is focused on the user of financial information whereas COMM 201.3 is focused on the preparer of financial information. COMM 225.3 is the appropriate course in the context of the CBUS program and will better set students up for success*
    - *COMM 225.3 is not transferable to the B.Comm. program. Graduates of the CBUS program will therefore be eligible to transfer seven of the eight courses to the B.Comm. program. Students will be well-prepared for success in COMM 201.3*
- *Remove COMM 306.3 from required*
    - *Students are coming into COMM 306.3 with only four courses completed.*
    - *Current prerequisite for COMM 306.3 is COMM 101.3. New prerequisite will be COMM 247.3. This would mean students would no longer be able to complete the course in two terms.*
    - *Keeping the certificate at the 100- and 200-level keeps it foundational*
- *Course description updated to align with changes*
- *Completion requirement updated to "within five years" from "within 10 years"*
    - *We allow 10 years for our B.Comm. program, which is a four-year degree*
    - *As the CBUS is a one year program students would require a shorter amount of time to finish*
    - *This makes things easier for us if we wish to make changes in the next five to 10 years as students complete the program based on the year they were admitted*

Mark-up for CBUS Changes

Program Description:
The Certificate in Business is an eight-course program that introduces students to the fundamentals of business management and will provide the skills needed to contribute to an organization's success. Students who complete the Certificate in Business will: understand basic business principles; be effective contributors to team performance; and build competency in areas of business related to accounting, communication, entrepreneurship, human resources,

Indigenous business, and personal finance.~~be effective decision makers and problem solvers~~.

Seven of ~~All~~ eight of the courses in this program are ~~fully~~ transferrable to the Bachelor of Commerce degree at the University of Saskatchewan.

Students can pursue this program as a stand-alone option or in conjunction with another degree. The program can be completed full-time in as little as eight months or part-time. Students completing the program alongside another degree should consult with an advisor in their home college to understand how the courses fit within their program requirements. Upon first admission to the Certificate in Business program students must complete requirements within a five (5) ~~ten (10)~~ year time period. Under exceptional circumstances, the School may grant an extension. Students returning to the Certificate in Business program after an absence of one (1) ~~five (5)~~ or more years may be placed under the curriculum requirements in effect on the date of readmission.

Requirements (24 credit units)

Required Courses (~~15~~ 24 credit units)

- **COMM 100.3** Business Communication
- **COMM 111.3** Business in Society
- **COMM 129.3** Personal Financial Management
- **COMM 204.3** Introduction to Marketing
- **COMM 211.3** Human Resource Management
- **COMM 225.3** Introduction to Accounting and Financial Literacy for Entrepreneurs*
- **COMM 247.3** Introduction to Indigenous Business in Canada
- **COMM 249.3** Introduction to Entrepreneurship
- ~~**COMM 101.3** Introduction to Business~~
- ~~**COMM 105.3** Introduction to Organizational Behaviour~~
- ~~**COMM 201.3** Introduction to Financial Accounting* or **COMM 225.3** Introduction to Accounting and Financial Literacy for Entrepreneurs~~
- ~~**COMM 306.3** Ethics and Strategic Decision Making~~

***Note**: ~~*Students interested in transferring to the Bachelor of Commerce program should complete **COMM 201.3** Introduction to Financial Accounting;~~ **COMM 225.3** Introduction to Accounting and Financial Literacy for Entrepreneurs cannot be used for credit in the B.Comm. program.*

~~**Electives (9 credit units)**~~

- ~~**COMM 100.3** Business Communication~~
- ~~**COMM 203.3** Introduction to Finance~~
- ~~**COMM 205.3** Introduction to Operations Management~~
- ~~**COMM 210.3** Introduction to Management Accounting~~
- ~~**COMM 211.3** Human Resource Management~~
- ~~**COMM 229.3** Personal Financial Management~~
- ~~**COMM 304.3** Introduction to Business Law~~

- ~~**COMM 325.3** Corporate Reporting and Decision-Making for Non-Accountants~~
- ~~**COMM 326.3** Taxation and Business Decisions~~
- ~~**COMM 340.3** Introduction to International Business~~
- ~~**COMM 345.3** Business and Public Policy~~
- ~~**COMM 347.3** Indigenous Business in Canada~~
- ~~**COMM 348.3** Leadership~~
- ~~senior-level COMM electives approved at the discretion of the Edwards School of Business~~
- ~~senior-level electives from other colleges approved at the discretion of the Edwards School of Business~~

The following items were approved by Edwards Faculty Council on December 10, 2025, and are now submitted to the University Course Challenge for information.

Course Relabels:

COMM 129.3 ~~229.3~~: Personal Financial Management
Teaches students how to analyze personal goals and assess the financial implications of these goals, determine personal net worth, analyze financial products and services, and understand investment alternatives appropriate to individuals and families. In addition, this course explains personal taxation, insurance contracts to protect the life styles of families, financial alternatives in retirement, and estate planning.
Weekly hours: 3 Lecture hours
Note: Students may receive credit for only one of COMM 129.3, 229.3, or COMM 329.3. Students can take COMM 129.3 ~~229.3~~ and COMM 429.3.

RATIONALE: Personal Financial Management has been and will continue to be offered in the first year of the B.Comm. program. Labeling the course as a 100-level course more accurately reflects the level and sequencing of the course.

COMM 247.3 ~~347.3~~: Introduction to Indigenous Business in Canada
This course examines the historic, legal, political, cultural, social, and economic contexts that shape Indigenous business in Canada. Grounded in the principles of Reconciliation, the course emphasizes economic reconciliation, respectful relations, and inclusive business practices. Students will explore the diverse ways Indigenous Peoples and communities pursue business and economic development that aligns with and advances their values, rights, and ways of knowing. Students will critically consider the role of businesses and institutions in advancing equity, supporting Indigenous sovereignty, and contributing to being more inclusive economy.
~~This course explores how Indigenous communities in Canada achieve greater self-determination through economic development. Historic, legal, political, cultural, social, and economic realities of Indigenous Peoples and communities are discussed and approaches and best practices that Indigenous communities utilize to achieve success in their economic pursuits are explored. An understanding of truth and reconciliation is developed, with a specific focus on economic reconciliation and meaningful Indigenous engagement in business settings.~~
Weekly hours: 3 Seminar/Discussion hours
Prerequisite(s): COMM 101.3 or COMM 111.3 ~~Completion of COMM 101.3 and 30 credit units of university courses.~~
Note: Students outside the Edwards School of Business must seek permission from their college. B.Comm. students do not require permission.

RATIONALE: *Relabeling this course from the 300-level to the 200-level strengthens the sequencing of the B.Comm. curriculum by introducing students to essential competencies in Indigenous business earlier in their academic program. Moving the course to second year ensures that all students develop foundational knowledge of Indigenous histories, rights, worldviews, economic*

development, and reconciliation-informed business practices before progressing to more advanced coursework.

Positioning the course earlier also allows it to serve as a prerequisite for COMM 306 Ethics and Decision Making, creating intentional alignment between values-based decision-making and the social, cultural, and legal contexts that shape business in Canada. This integration supports Edwards' commitment to embedding Reconciliation, social responsibility, and inclusive business practices across the curriculum.

Finally, moving this course to Year 2 establishes a stronger foundation for future 300-level and 400-level offerings in Indigenous business. This change enables Edwards to build a coherent pathway of advanced courses, partnerships, and experiential opportunities—an important strategic priority for the School as it works to expand learning in areas of Indigenous business, sovereignty, and equitable economic development.

Changes to Course Titles and Descriptions

COMM 101.3 Introduction to Business
The focus of this course is on integrated organizational decision making. To achieve this, students will examine case studies requiring an integrated analysis across six business disciplines (Accounting, Finance, Human Resources, Management/Strategy, Marketing and Operations) over the four stages of an organizational life-cycle (start-up, growth, maturity and revitalization) as an organization's activities shift from strategic exploration to exploitation and back to exploration again.
Weekly hours: 3 Lecture hours
Notes: This class is not available to students in the B.Comm., CBUS, CENT, or IBAC programs. Students in these programs should enroll in COMM 111.3 instead of COMM 101.3. Students entering the B.Comm. program with credit for COMM 101.3 may use it as an elective course. Students with credit for BAC 11 or COMM 102.3 will not receive credit for this course.

RATIONALE: *COMM 111.3 Business in Society is replacing COMM 101.3 as a core B.Comm. requirement. COMM 101.3 will still be available for students enrolled in the Early Start (dual-credit high school and post-secondary) program and to students in programs outside the Edwards School of Business. Students who complete COMM 101.3 prior to enrolling in an Edwards program will be able to use the course as an elective in the B.Comm. program.*

COMM 307.3: Management Information Systems
This course is an introduction to how firms use information technology and systems to achieve corporate objectives, gain competitive advantage, and enhance organizational performance. The course emphasizes critical thinking about how information systems can be used ethically and effectively in diverse business contexts. ~~compete in today's business environment and improve performance.~~ Students will also receive experiential training in relevant business applications and tools.
Permission of the department is required.
Restriction(s): Only open to students in the Edwards School of Business.
Prerequisite(s): COMM 104.3 ~~COMM 205.3~~
Note: This course is not open to students in the Accounting major. Students in the Accounting

major should take COMM 337.3. Students may receive credit for only one of COMM 213.3 or COMM 307.3.

RATIONALE: *Management Information Systems is moving back into the third year of the B.Comm. program. COMM 213.3 was previously COMM 307.3. The course description for COMM 307.3 requires updating before we return to using this number.*

COMM 341.3: Entrepreneurial Thinking and Innovation
This course develops students' entrepreneurial thinking; the mindsets, behaviours, and problem-solving approaches used to navigate uncertainty and create value. Using design thinking, systems thinking, and innovation frameworks, students work collaboratively to identify opportunities, understand user needs, and develop and test innovative solutions. Guest speakers from industry, entrepreneurship, and the innovation ecosystem deepen learning by connecting theory to real-world practice. The course emphasizes prototyping, iterative refinement, and pitching concepts that integrate disruptive and sustaining innovation, ethical considerations, and the UN Sustainable Development Goals to create economic, social, and environmental value.
~~This course helps students develop the management skills and knowledge required to successfully move innovative ideas to the marketplace. Specifically, students gain entrepreneurial thinking competencies that are necessary for managing transformational ventures, product innovations, and new technologies. This course compares and contrasts lean start-up planning, traditional business planning, and technology commercialization planning for entrepreneurial ventures. Guest lectures, delivered by executives, subject-matter experts, and entrepreneurs, add depth and practicality to the theory covered in this course.~~
Weekly hours: 1.5 Lecture hours and 1.5 Seminar/Discussion hours
Departmental approval is required.
Prerequisite(s): COMM 101.3, COMM 201.3, and COMM 204.3.

RATIONALE: Description requires updates to match what is occurring in the class.

COMM 349.3: Applied Entrepreneurship ~~Introduction to Entrepreneurship~~
Designed to provide both knowledge and evaluation skills needed to add value in the new venture sector of the economy. Students taking this course will acquire knowledge in respect to current concepts in entrepreneurship, primarily as it concerns the evaluation of entrepreneurs, their ventures, and the venturing environment.
Weekly hours: 3 Seminar/Discussion hours and 2 Practicum/Lab hours
Prerequisite(s): COMM 201.3, COMM 203.3 and COMM 204.3
Note: Students may receive credit for only one of COMM 349.3 or BPBE 230.3.

RATIONALE: *COMM 249.3 is being introduced as the new introductory entrepreneurship course. The proposed name change more accurately reflects the courses focus on the evaluation of entrepreneurial ventures, contemporary innovation practices, and the skills required in today's new-venture and start-up environments. This updated title provides clearer alignment with the Edwards entrepreneurship pathway and better communicates the course's purpose to students, advisors, and external stakeholders.*

Because the new COMM 249.3 will not be taken by students until the 2027–2028 academic year, prerequisite changes (updating the prerequisites from COMM 201.3, 203.3, and 204.3) will be deferred until 2028–2029 to avoid disrupting current student pathways.

Special Topics Courses

COMM 498.3: Innovation: Systems & Design Thinking Through an AI Lens
This course introduces students to the fundamentals of design thinking, a human-centered approach to problem-solving, and how artificial intelligence tools can enhance and accelerate the innovation process. Students will work in teams to identify problems, generate solutions, and build prototypes using generative AI, automation tools, and business model frameworks. Emphasis is placed on practical skill-building and experimentation. The course culminates in a pitch of a working prototype developed through iterative design. No technical background required.
Prerequisites: COMM 101.3 or COMM 111.3 and COMM 204.3

RATIONALE: *COMM 498 is a timely addition to the undergraduate curriculum, providing students with the innovation and AI-literacy skills now expected by employers. The course integrates systems thinking, design thinking, and responsible use of AI to help students frame complex problems, generate and test solutions rapidly, and understand how emerging technologies reshape business models and workflows. Through hands-on prototyping, ethical AI documentation, and industry-judged project work, students develop practical, marketable competencies that enhance their readiness for an AI-enabled workplace*.

COMM 498.3: Leadership Development
Leaders have a tremendous influence on people, organizations, and societies. During this one-week intensive course, students will be introduced to a set of practices and frameworks designed to help them develop an understanding of different leadership styles, as well as fundamental leadership skills. This hands-on course is designed to cultivate the next generation of business leaders through active, experience-based learning. Students will engage in real-world leadership challenges, simulations, and team-based projects. This course will enable students to apply evidence-based leadership perspectives and develop the skills required to become an effective leader in their own careers.
Prerequisite: Minimum 60 cu university credits completed by May 2026

RATIONALE: *This course aims to provide students with the opportunity to develop fundamental leadership skills to prepare them for their current and future leadership roles. It is designed to complement COMM 348 Leadership for Edwards students by offering an intensive hands-on learning experience to translate theory into practice. This course will also be accessible to emerging student leaders across the broader University of Saskatchewan community to provide them with skills-based leadership training*.

Changes to the Human Resources Major

Add COMM 402.3 Business Negotiations as a Human Resources elective.

Year 4 (30 credit units)
Core Requirements (6 credit units)

- COMM 401.3 Business Strategy
- COMM 447.3 Entrepreneurship & Venture Development

Human Resources Major Requirements (12 credit units)

- COMM 488.3 Strategic Compensation

Choose 9 credit units from the following:
Human Resources Major Electives

- COMM 348.3 Leadership
- COMM 382.3 Employment Law
- COMM 384.3 Workplace Health and Safety
- COMM 387.3 Labour Law
- **COMM 402.3** Business Negotiations
- COMM 487.3 Collective Agreement Arbitration
- COMM 489.3 Strategic Human Resource Management

Choose 12 credit units from the following:

- free senior electives (200-level or higher non-COMM or 300-level or higher COMM)

RATIONALE: *COMM 402 was removed from the core B.Comm. curriculum in 2021 and, as a result, was not offered for several years. The course has since been reintroduced and offered consistently since Winter 2023. However, it has not yet been included as an elective for the Human Resources major, despite its origin within the HROB department. Adding COMM 402 as an HR elective will:*

- *Provide students with an additional relevant option that strengthens negotiation and conflict resolution skills.*
- *Increase enrollment in the course, supporting its sustainability and ensuring students have access to valuable applied learning opportunities.*

HROB recommends this change to better serve HR students and enhance the flexibility of their program

Changes to the Management Major

Add COMM 402.3 Business Negotiations to the list of Management electives in the Human Resources category.

Years 3 & 4 Management Requirements
Group 4 - Human Resources

- COMM 342.3 Organization Structure and Design
- COMM 343.3 Recruitment Selection and Engagement
- COMM 348.3 Leadership
- COMM 381.3 Industrial Relations

- **COMM 382.3** Employment Law
- **COMM 384.3** Workplace Health and Safety
- **COMM 387.3** Labour Law
- **COMM 402.** Business Negotiations
- **COMM 488.3** Strategic Compensation

RATIONALE: *COMM 402 was removed from the core B.Comm. curriculum in 2021 and, as a result, was not offered for several years. The course has since been reintroduced and offered consistently since Winter 2023. However, it has not yet been included as an elective in the Human Resources category for the Management major despite its origin within the HROB department. Adding COMM 402 as an HR elective for MGT students will:*

- *Provide students with an additional relevant option that strengthens negotiation and conflict resolution skills.*
- *Increase enrollment in the course, supporting its sustainability and ensuring students have access to valuable applied learning opportunities.*

MGMK recommends this change to better serve MGT students and enhance the flexibility of their program.

Certificate in Sustainability: Minor program changes

This submission to University Course Challenge includes proposed additions of three courses to the SENS Undergraduate Certificate in Sustainability:

On 5 December 2025, the School of Environment and Sustainability (SENS) Faculty Council approved the addition of EVSC 202 (*Agricultural Climate Change in Saskatchewan*) and ECON 270 (*Development in Non-industrialized Countries*) be added to the 200-level restricted electives, and PLSC 461 (*Post-harvest management of horticultural crops*) be added as a 400-level restricted elective requirements in the Undergraduate Certificate in Sustainability.

Rationale: To increase accessibility and flexibility for USask students to complete the certificate, SENS wants to include these three courses that have sustainability themes in Undergraduate Certificate in Sustainability.

Text in red indicates the proposed revisions and new courses.

Contact: Carolyn Pytlyk (carolyn.pytlyk@usask.ca)

For Approval:

The Certificate in Sustainability is intended to give students theoretical, methodological, strategic, and substantive exposure to sustainability-related concepts and practice. The certificate will allow students to engage in problem-based, experiential learning across a broad range of sustainability topics. The program should begin in the student's second year with ENVS 201.

Certificate in Sustainability (21 credit units)

Required Courses (6 credit units):

- ENVS 201.3 Foundations of Sustainability
- ENVS 401.3 Sustainability in Action or EVSC 485.3 Environmental Science Capstone Course

Indigenous Learning for Sustainability (3 credit units):

Choose ~~at least~~ 3 credit units from the following elective course options:

- ANTH 202.3 Anthropology and Indigenous Peoples in Canada
- ANTH 350.3 Introduction to Boreal Forest Archaeology
- AREC 220.3 History of Indigenous Agriculture in Canada
- COMM 347.3 Indigenous Business in Canada
- DRAM 111.3 Practicum I Indigenous Performance Methods
- ENG 242.3 Indigenous Storytelling of the Prairies
- ENG 243.3 Introduction to Indigenous Literatures
- ENG 335.3 The Emergence of Indigenous Literatures in Canada
- ENG 338.3 Contemporary North American Indigenous Literatures

- GEOG 465.3 Environment and Health in Indigenous Communities
- HIST 195.3 History Matters Indigenous Perspectives on Canadian History
- HIST 257.3 The Canadian Prairie to 1905
- HIST 266.3 Historical Issues in Indigenous Settler Relations in North America
- HIST 315.3 Indigenous Health History
- HIST 316.3 History of the Metis in Twentieth Century Prairie Canada
- INDG 107.3 Introduction to Canadian Indigenous Studies
- INDG 210.3 Indigenous Ways of Knowing
- KIN 306.3 Introduction to Indigenous Wellness
- LING 114.3 Indigenous Languages and Stories Introduction to the Structure of Language
- LING 253.3 Indigenous Languages of Canada
- PLAN 445.3 Planning with Indigenous Communities*
- POLS 222.3 Indigenous Governance and Politics
- INDG 200-Level, 300-Level, 400-level*

*These courses may not be used to count as credit for both Indigenous Learning and restricted electives or open electives.

200-level Restricted Electives (6 credit units at the 200-level):

Students must choose at least 6 credit units of 200–level electives from the list of electives below or receive permission for a course override from the SENS Undergraduate Programs Chair.

Choose at least 6 credit units from the following elective course options:

- AGRC 211.3 Global Food Security
- ANTH 240.3 Cultural Landscapes and Environments
- ANTH 244.3 Political Ecology Anthropology and Global Environmental Issues
- AREC 238.3 Natural Resource Economics
- AREC 251.3 Introduction to Agricultural Policy
- BIOL 228.3 Ecology in a Changing World
- CPSJ 203.3 Cultivating Humanity
- ECON 270.3 Development in Non-industrialized Countries
- ECON 275.3 Economics of Natural Resources
- ECON 277.3 Economics of the Environment
- ENVE 201.3 Principles of Environmental Engineering
- ENVE 212.3 Physical Principles of Plant Biosystems
- EVSC 202.3 Agricultural Climate Change in Saskatchewan
- EVSC 210.3 Environmental Physics
- EVSC 220.3 Environmental Soil Science
- GEOG 208.3 World Regional Development
- GEOG 240.3 Sustainable Cities and Regions
- GEOG 280.3 Environmental Geography
- HIST 243.3 The Reverberations of the Industrial Revolution, 1750 to today
- HIST 257.3 The Canadian Prairie to 1905
- HIST 258.3 The Canadian Prairies since 1905
- HIST 292.3 The Menace of Progress I: Enlightenment, Colonialism, Dispossession
- HIST 293.3 The Menace of Progress II: The Promise and Failure of Development
- PHIL 226.3 Environmental Philosophy
- PHIL 231.3 Moral Problems

- PHIL 236.3 Ethics and Technology
- PLSC 213.3 Principles of Plant Ecology
- PLSC 235.3 Urban Agriculture
- POLS 226.3 Canadian Public Policy
- RLST 210 Religion and Ecology (St. Thomas Moore)
- SOC 202.3 Environmental Sociology
- SOC 204.3 Rural Sociology and Rural Development
- SOC 206.3 Sociology of Communities and Community Development
- SOC 227.6 Critical Issues in Canadian Society
- WGST 210.3 Gendered Perspectives on Current Events

300- and 400-level Restricted Electives (6 credit units):

Students must choose at least 6 credit units of 300- or 400- level courses from the list of electives below or receive permission for a course override from the SENS Undergraduate Programs Chair.

Choose at least 6 credit units from the following elective course options:

- ANBI 375.3 Animals and the Environment
- ANBI 475.3 Field Studies in Arctic Ecosystems with Indigenous Peoples
- ANSC 301.3 Animal Production Tour
- ANTH 329.3 Environmental Anthropology
- ANTH 331.3 The Archaeology of Human Environmental Impact
- ANTH 401.3 Independent Research in Anthropology
- AREC 348.3 Food Economics and Consumer Behaviour
- AREC 428.3 Case Studies in Agribusiness Management
- AREC 430.3 Advanced Natural Resource Economics
- AREC 432.3 Rural Development Theory and Applications
- AREC 451.3 Agricultural Policy Analysis
- BIOL 324.3 Plants and Human Affairs
- BIOL 373.3 Community Ecology
- BIOL 410.3 Current Perspectives in Environmental Biology
- BIOL 412.3 Limnology
- BIOL 470.3 Conservation Biology
- BIOL 475.3 Ecological Toxicology
- CHEM 375.3 Environmental Chemistry
- CHEP 402.3 Global Health Certificate Decolonizing Health
- CPSJ 400.3 Critical Perspectives on Social Justice and the Common Good
- ECON 376.3 Energy Economics
- ENVE 381.3 Sustainability and Environmental Assessment
- ENVE 432.3 Land Management and Reclamation
- EVSC 380.3 Grassland Soils and Vegetation
- EVSC 421.3 Contaminated Site Management and Remediation
- EVSC 492.3 Research and Term Paper
- EVSC 494.3 Research and Thesis
- FABS 371.3 Food Biotechnology
- FABS 401.3 Dairy Science and Technology
- FABS 492.3 Literature Thesis

- FABS 494.3 Research Thesis
- GEOG 333.3 Global Climate Change
- GEOG 351.3 Northern Environments
- GEOG 364.3 Geography of Environment and Health
- GEOG 380.3 Environmental Geography of the Circumpolar North
- GEOG 381.3
- GEOG 385.3 Analysis of Environmental Management and Policy Making
- GEOG 386.3 Environmental Impact Assessment
- GEOG 490.3 Honours Thesis in Hydrology or Geomatics
- GEOG 491.3 Honours Thesis in Environment and Society
- HIST 365.3 Recipes for a Nation Food History in Canada
- HIST 371.3 Power and Change: The History of Energy
- LAW 444.3 Environmental Law
- PLAN 341.3 Urban Planning
- PLAN 346.3 Introduction to Urban Design
- PLAN 350.3 Transportation Planning and Geography
- PLAN 429.3 Integrated Water Resource Planning
- PLAN 441.3 Challenges in Urban Development
- PLAN 445.3 Planning with Indigenous Communities
- PLAN 446.3 Advanced Urban Design Studio
- PLSC 345.3 Pesticides and Crop Protection
- PLSC 401.3 Advanced Crop Agronomy
- PLSC 413.3 Advanced Plant Ecology
- PLSC 418.3 Management of Arable Grassland
- PLSC 422.3 Rangeland Ecology and Management
- PLSC 425.3 Forest Ecology
- PLSC 461.3 Post-harvest Management of Horticultural Crops
- PLSC 492.3 Project Thesis in Plant Sciences
- PLSC 494.6 Research Thesis in Plant Sciences
- PSY 411.3 Environmental Psychology: Humans and Nature
- POLS 326.3 Comparative Public Policy
- POLS 328.3 Public Policy Analysis
- POLS 403.3 Advanced Topics in Public Law and Public Policy
- POLS 422.3 Indigenous Governance and Self Determined Sustainable Development
- RRM 312.3 Natural Resource Management and Indigenous Peoples
- RRM 321.3 Resource Data and Environmental Modeling
- SLSC 313.3 Environmental Soil Chemistry
- SLSC 342.3 Soil Microbiology
- SLSC 350.3 Terrestrial Restoration
- SLSC 444.3 Soil Ecology
- SLSC 492.3 Research and Term Paper
- SLSC 494.6 Research and Thesis
- SOC 309.3 Theories of Social Change
- SOC 360.3 Globalization and Social Justice
- SOC 402.3 Sociology of Agriculture and Food
- TOX 301.3 Environmental Toxicology
- WGST 411.3 Situated Transnational Feminisms

Note: If a student chooses to use a thesis and/or research course towards the completion of the certificate, it must be demonstrated to the certificate coordinator that the thesis pursued has a focus on sustainability.