

Academic Programs Committee of Council

University Course Challenge

Scheduled posting: **November 2025**

Date of circulation: **November 17, 2025**

Date approval is effective if no challenge received: **November 30, 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 Engineering

College of Graduate and Postdoctoral Studies

College of Law

College of Pharmacy and Nutrition

The next scheduled posting will be **December 16, 2025** with a submission deadline of **December 12, 2025**. 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 November 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)

Revisions to Course Prerequisites

AREC 354.3: Economic Decision Analysis in Agribusiness

The agricultural sector is increasingly gathering more data and there is a need for analytical skills that can support optimal decision making in agribusinesses. This course offers students an introduction to quantitative economic decision analysis using spreadsheets. Students will be oriented to the tools and techniques used in data-driven management science such as mathematical programming, probabilistic techniques, simulation, and forecasting.

Prerequisite(s): Successful completion of 60 credit units, including COMM 201.3 or COMM 225.3

Note: Students with credit for BPBE 354 will not receive credit for this course.

AREC 428.3 — 1(3L)

Case Studies in Agribusiness Management

This course uses case studies to apply theories learned during previous courses to real-world decisions made within the agribusiness environment. Students will use critical thinking while they work individually and in teams to identify problems and develop solutions to issues faced by agribusiness managers. Cases will cover a variety of agribusiness topics including finance, management, marketing, sustainability and social responsibility.

Prerequisite(s): Successful completion of 90 credit units of university-level courses; or COMM 101, COMM 201 or COMM 225.3 and either AREC 222 or AREC 322; or permission of the instructor.

Note: Students with credit for BPBE 428 cannot take this course for credit

Rationale: Edwards School of Business has developed COMM 225 as an introductory finance course designed for students pursuing a degree in colleges other than the Edwards School of Business, who will use accounting information in the workplace, but are not primarily responsible for its preparation

Revisions to Course and Program Catalogue

1. Add BIOL 228.3 as a restricted elective in the Bachelor of Science in Agriculture, Animal Science and Bachelor of Science in Animal Bioscience programs

Rationale: BIOL 228 is a valuable and desirable option for students as a restricted elective due to its comprehensive coverage of ecological principles and its focus on real-world environmental challenges. Including this course enhances program flexibility while providing students with meaningful, applied learning opportunities that support interdisciplinary understanding and skill development.

Animal 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 224.3](#) Animal Body Systems
- [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:

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)

- [ANSC 212.3](#) Livestock and Poultry Production
- [ANSC 313.3](#) Animal Breeding and Genetics
- [BMSC 200.3](#) Biomolecules
- [BMSC 230.3](#) Metabolism
- [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

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 6 credit units of restricted electives

- [ANBI 298.3](#) Special Topics
- [ANBI 320.3](#) Equine Science
- [ANBI 360.3](#) Canine and Feline Science
- [ANBI 375.3](#) Animals and the Environment
- [ANBI 398.3](#) Special Topics
- [ANBI 411.3](#) Behaviour and Welfare of Domestic Animals
- [ANBI 420.3](#) Comparative Animal Endocrinology
- [ANBI 470.3](#) Applied Animal Biotechnology
- [ANBI 471.3](#) Animal Microbiomes and Health

- [ANBI 475.3](#) Field Studies in Arctic Ecosystems with Indigenous Peoples
- [ANBI 498.3](#) Special Topics
- [ANSC 298.3](#) Special Topics
- [ANSC 301.3](#) Animal Production Tour
- [ANSC 355.3](#) Sheep and Goat Management
- [ANSC 398.3](#) Special Topics
- [ANSC 494.3](#) Research Thesis in Animal Science
- [ANSC 498.3](#) Special Topics
- [AREC 222.3](#) Introduction to Farm Business Management
- [AREC 343.3](#) Grain and Livestock Marketing
- [BINF 151.3](#) Computing in the Biological Sciences
- [BIOL 222.3](#) The Living Plant
- [BIOL 226.3](#) Genes to Genomics
- [BIOL 228.3](#) Ecology in a Changing World
- [BIOL 316.3](#) Genetic Analysis of Eukaryotes
- [BIOL 430.3](#) Neurobiology of Behaviour
- [BIOL 451.3](#) Ichthyology
- [BIOL 455.3](#) Mammal Diversity and Evolution
- [BIOL 458.3](#) Ornithology
- [BIOL 472.3](#) Animal Behaviour
- [BLE 205.3](#) Agricultural Machinery Management
- [BLE 303.3](#) Principles of Food and Bioproducts Engineering
- [BMIS 308.3](#) An Introduction to Microbial Pathogens
- [BMIS 340.3](#) Introductory Molecular Biology
- [BMSC 220.3](#) Cell Biology
- [BMSC 240.3](#) Laboratory Techniques
- [COMM 101.3](#) Introduction to Business
- [COMM 105.3](#) Introduction to Organizational Behaviour
- [COMM 201.3](#) Introduction to Financial Accounting
- [COMM 204.3](#) Introduction to Marketing
- [COMM 304.3](#) Introduction to Business Law
- [COMM 404.3](#)
- [FABS 110.3](#) The Science of Food
- [FABS 325.3](#) Food Microbiology and Safety
- [FABS 457.3](#) Meat Science and Technology
- [PHYS 115.3](#) Physics and the Universe
- [PLSC 213.3](#) Principles of Plant Ecology
- [PLSC 405.3](#) Genetics of Plant Populations
- [PLSC 418.3](#) Management of Arable Grassland
- [PLSC 420.3](#) Grain Chemistry and Technology
- [PLSC 422.3](#) Rangeland Ecology and Management

- PLSC 423.3
- [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
- [TOX 300.3](#) General Principles of Toxicology
- [TOX 402.3](#) Systemic Toxicology
- [VBMS 314.3](#) Comparative Anatomy of Domestic Animals
- [VLAC 411.3](#) Diseases of Ruminants
- [VTPA 412.3](#) Diseases of Poultry
- or courses approved by an Animal Science program advisor

Years 3 and 4 (60 credit units)

- [ANSC 315.3](#) Animal and Poultry Nutrition
- [ANSC 316.3](#) Feed Technology
- [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
- [ANSC 492.3](#) Literature Thesis in Animal Science or [ANSC 494.6](#) Research Thesis in Animal Science (3 credit units count as Restricted Elective)
- [VBMS 324.3](#) Animal Physiology I
- [VBMS 325.3](#) Animal Physiology II

Choose 12 credit units of restricted electives from the following:

- [ANBI 298.3](#) Special Topics
- [ANBI 320.3](#) Equine Science
- [ANBI 360.3](#) Canine and Feline Science
- [ANBI 375.3](#) Animals and the Environment
- [ANBI 398.3](#) Special Topics
- [ANBI 411.3](#) Behaviour and Welfare of Domestic Animals
- [ANBI 420.3](#) Comparative Animal Endocrinology
- [ANBI 470.3](#) Applied Animal Biotechnology
- [ANBI 471.3](#) Animal Microbiomes and Health
- [ANBI 475.3](#) Field Studies in Arctic Ecosystems with Indigenous Peoples

- [ANBI 498.3](#) Special Topics
- [ANSC 298.3](#) Special Topics
- [ANSC 301.3](#) Animal Production Tour
- [ANSC 355.3](#) Sheep and Goat Management
- [ANSC 398.3](#) Special Topics
- [ANSC 494.3](#) Research Thesis in Animal Science
- [ANSC 498.3](#) Special Topics
- [AREC 222.3](#) Introduction to Farm Business Management
- [AREC 343.3](#) Grain and Livestock Marketing
- [BINF 151.3](#) Computing in the Biological Sciences
- [BIOL 222.3](#) The Living Plant
- [BIOL 226.3](#) Genes to Genomics
- [BIOL 228.3](#) Ecology in a Changing World
- [BIOL 316.3](#) Genetic Analysis of Eukaryotes
- [BIOL 430.3](#) Neurobiology of Behaviour
- [BIOL 451.3](#) Ichthyology
- [BIOL 455.3](#) Mammal Diversity and Evolution
- [BIOL 458.3](#) Ornithology
- [BIOL 472.3](#) Animal Behaviour
- [BLE 205.3](#) Agricultural Machinery Management
- [BLE 303.3](#) Principles of Food and Bioproducts Engineering
- [BMIS 308.3](#) An Introduction to Microbial Pathogens
- [BMIS 340.3](#) Introductory Molecular Biology
- [BMSC 220.3](#) Cell Biology
- [BMSC 240.3](#) Laboratory Techniques
- [COMM 101.3](#) Introduction to Business
- [COMM 105.3](#) Introduction to Organizational Behaviour
- [COMM 201.3](#) Introduction to Financial Accounting
- [COMM 204.3](#) Introduction to Marketing
- [COMM 304.3](#) Introduction to Business Law
- COMM 404.3
- [FABS 110.3](#) The Science of Food
- [FABS 325.3](#) Food Microbiology and Safety
- [FABS 457.3](#) Meat Science and Technology
- [PHYS 115.3](#) Physics and the Universe
- [PLSC 213.3](#) Principles of Plant Ecology
- [PLSC 405.3](#) Genetics of Plant Populations
- [PLSC 418.3](#) Management of Arable Grassland
- [PLSC 420.3](#) Grain Chemistry and Technology
- [PLSC 422.3](#) Rangeland Ecology and Management
- PLSC 423.3

- [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
- [TOX 300.3](#) General Principles of Toxicology
- [TOX 402.3](#) Systemic Toxicology
- [VBMS 314.3](#) Comparative Anatomy of Domestic Animals
- [VLAC 411.3](#) Diseases of Ruminants
- [VTPA 412.3](#) Diseases of Poultry
- or courses approved by an Animal Science program advisor

Open Electives

- Choose 18 credit units of open electives

Animal Bioscience

Bachelor of Science in Animal Bioscience [B.Sc.(An.Biosc.)]

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 113.3](#) Introduction to Agri Food Economics
- [ANBI 110.3](#) Introductory Animal Bioscience
- [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 224.3](#) Animal Body Systems
- [CHEM 112.3](#) General Chemistry I Structure Bonding and Properties of Materials
- [CHEM 115.3](#) General Chemistry II Chemical Processes
- [MATH 104.3](#) Elementary Calculus or [MATH 110.3](#) Calculus I or [MATH 125.3](#) Mathematics for the Life Sciences

Year 2 (30 credit units)

- [ANBI 320.3](#) Equine Science or [ANBI 360.3](#) Canine and Feline Science
- [ANSC 212.3](#) Livestock and Poultry Production
- [ANSC 313.3](#) Animal Breeding and Genetics
- [BMSC 200.3](#) Biomolecules
- [BMSC 230.3](#) Metabolism

- [CHEM 250.3](#) Introduction to Organic Chemistry
- [FABS 212.3](#) Agrifood and Resources Microbiology OR [BMSC 210.3](#) Microbiology
- [PLSC 214.3](#) Statistical Methods

English Language Writing Requirement

Choose 3 credit units from the following:

- [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

Choose 3 credit units of restricted electives

Restricted Electives:

- [ANBI 298.3](#) Special Topics
- [ANBI 320.3](#) Equine Science
- [ANBI 360.3](#) Canine and Feline Science
- [ANBI 398.3](#) Special Topics
- [ANBI 420.3](#) Comparative Animal Endocrinology
- [ANBI 471.3](#) Animal Microbiomes and Health
- [ANBI 475.3](#) Field Studies in Arctic Ecosystems with Indigenous Peoples
- [ANBI 494.3](#) Research Thesis in Animal Bioscience
- [ANBI 498.3](#) Special Topics
- [ANSC 298.3](#) Special Topics
- [ANSC 301.3](#) Animal Production Tour
- [ANSC 316.3](#) Feed Technology
- [ANSC 355.3](#) Sheep and Goat Management
- [ANSC 398.3](#) Special Topics
- [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
- [ANSC 498.3](#) Special Topics
- [AREC 222.3](#) Introduction to Farm Business Management
- [AREC 343.3](#) Grain and Livestock Marketing
- [BINF 151.3](#) Computing in the Biological Sciences
- [BIOL 222.3](#) The Living Plant
- [BIOL 226.3](#) Genes to Genomics
- [BIOL 228.3](#) Ecology in a Changing World
- [BIOL 316.3](#) Genetic Analysis of Eukaryotes
- [BIOL 430.3](#) Neurobiology of Behaviour
- [BIOL 451.3](#) Ichthyology

- [**BIOL 455.3**](#) Mammal Diversity and Evolution
- [**BIOL 458.3**](#) Ornithology
- [**BIOL 472.3**](#) Animal Behaviour
- [**BLE 205.3**](#) Agricultural Machinery Management
- [**BLE 303.3**](#) Principles of Food and Bioproducts Engineering
- [**BMIS 308.3**](#) An Introduction to Microbial Pathogens
- [**BMIS 310.3**](#) Proteins and Enzymes
- [**BMIS 321.3**](#) Introduction to Immunology
- [**BMIS 340.3**](#) Introductory Molecular Biology
- [**BMIS 435.3**](#) Human Metabolism and Disease
- [**BMIS 436.3**](#) Advanced Molecular Biology
- [**BMSC 220.3**](#) Cell Biology
- [**BMSC 240.3**](#) Laboratory Techniques
- [**COMM 101.3**](#) Introduction to Business
- [**COMM 105.3**](#) Introduction to Organizational Behaviour
- [**COMM 201.3**](#) Introduction to Financial Accounting
- [**COMM 204.3**](#) Introduction to Marketing
- [**COMM 304.3**](#) Introduction to Business Law
- COMM 404.3
- [**FABS 110.3**](#) The Science of Food
- [**FABS 325.3**](#) Food Microbiology and Safety
- [**FABS 457.3**](#) Meat Science and Technology
- MCIM 321.3
- [**PHYS 115.3**](#) Physics and the Universe
- [**PLSC 213.3**](#) Principles of Plant Ecology
- [**PLSC 405.3**](#) Genetics of Plant Populations
- [**PLSC 418.3**](#) Management of Arable Grassland
- [**PLSC 420.3**](#) Grain Chemistry and Technology
- PLSC 423.3
- [**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
- [**TOX 300.3**](#) General Principles of Toxicology

- [TOX 402.3](#) Systemic Toxicology
- [VBMS 314.3](#) Comparative Anatomy of Domestic Animals
- [VLAC 411.3](#) Diseases of Ruminants
- [VTPA 412.3](#) Diseases of Poultry
- or courses approved by an Animal Science program advisor

Year 3 (30 credit units)

- [ANBI 375.3](#) Animals and the Environment
- [ANSC 315.3](#) Animal and Poultry Nutrition
- [VBMS 324.3](#) Animal Physiology I
- [VBMS 325.3](#) Animal Physiology II

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](#)

Choose 9 credit units of open electives

Note: Open Electives may be chosen from most classes offered at the University of Saskatchewan, including classes from the Animal Biosciences Restricted Electives list.

Choose 6 credit units of restricted electives

Restricted Electives:

- [ANBI 298.3](#) Special Topics
- [ANBI 320.3](#) Equine Science
- [ANBI 360.3](#) Canine and Feline Science
- [ANBI 398.3](#) Special Topics
- [ANBI 420.3](#) Comparative Animal Endocrinology
- [ANBI 471.3](#) Animal Microbiomes and Health
- [ANBI 475.3](#) Field Studies in Arctic Ecosystems with Indigenous Peoples
- [ANBI 494.3](#) Research Thesis in Animal Bioscience
- [ANBI 498.3](#) Special Topics
- [ANSC 298.3](#) Special Topics
- [ANSC 301.3](#) Animal Production Tour
- [ANSC 316.3](#) Feed Technology

- [ANSC 355.3](#) Sheep and Goat Management
- [ANSC 398.3](#) Special Topics
- [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
- [ANSC 498.3](#) Special Topics
- [AREC 222.3](#) Introduction to Farm Business Management
- [AREC 343.3](#) Grain and Livestock Marketing
- [BINF 151.3](#) Computing in the Biological Sciences
- [BIOL 222.3](#) The Living Plant
- [BIOL 226.3](#) Genes to Genomics
- [BIOL 228.3](#) Ecology in a Changing World
- [BIOL 316.3](#) Genetic Analysis of Eukaryotes
- [BIOL 430.3](#) Neurobiology of Behaviour
- [BIOL 451.3](#) Ichthyology
- [BIOL 455.3](#) Mammal Diversity and Evolution
- [BIOL 458.3](#) Ornithology
- [BIOL 472.3](#) Animal Behaviour
- [BLE 205.3](#) Agricultural Machinery Management
- [BLE 303.3](#) Principles of Food and Bioproducts Engineering
- [BMIS 308.3](#) An Introduction to Microbial Pathogens
- [BMIS 310.3](#) Proteins and Enzymes
- [BMIS 321.3](#) Introduction to Immunology
- [BMIS 340.3](#) Introductory Molecular Biology
- [BMIS 435.3](#) Human Metabolism and Disease
- [BMIS 436.3](#) Advanced Molecular Biology
- [BMSC 220.3](#) Cell Biology
- [BMSC 240.3](#) Laboratory Techniques
- [COMM 101.3](#) Introduction to Business
- [COMM 105.3](#) Introduction to Organizational Behaviour
- [COMM 201.3](#) Introduction to Financial Accounting
- [COMM 204.3](#) Introduction to Marketing
- [COMM 304.3](#) Introduction to Business Law
- COMM 404.3
- [FABS 110.3](#) The Science of Food
- [FABS 325.3](#) Food Microbiology and Safety
- [FABS 457.3](#) Meat Science and Technology
- MCIM 321.3
- [PHYS 115.3](#) Physics and the Universe

- [PLSC 213.3](#) Principles of Plant Ecology
- [PLSC 405.3](#) Genetics of Plant Populations
- [PLSC 418.3](#) Management of Arable Grassland
- [PLSC 420.3](#) Grain Chemistry and Technology
- PLSC 423.3
- [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
- [TOX 300.3](#) General Principles of Toxicology
- [TOX 402.3](#) Systemic Toxicology
- [VBMS 314.3](#) Comparative Anatomy of Domestic Animals
- [VLAC 411.3](#) Diseases of Ruminants
- [VTPA 412.3](#) Diseases of Poultry
- or courses approved by an Animal Science program advisor

Year 4 (30 credit units)

- [ANBI 411.3](#) Behaviour and Welfare of Domestic Animals
- [ANBI 420.3](#) Comparative Animal Endocrinology or [ANBI 471.3](#) Animal Microbiomes and Health
- [ANBI 470.3](#) Applied Animal Biotechnology
- [ANBI 492.3](#) Literature Thesis in Animal Bioscience or [ANBI 494.6](#) Research Thesis in Animal Bioscience (3 credit units count as restricted elective)
- [ANSC 440.3](#) Poultry Production or [ANSC 485.3](#) Swine Production and Management
- [VLAC 411.3](#) Diseases of Ruminants or [VTPA 412.3](#) Diseases of Poultry

Choose 3 credit units from the following:

- [ANSC 355.3](#) Sheep and Goat Management
- [ANSC 410.3](#) Cow Calf Management
- [ANSC 430.3](#) Intensive Management of Beef Cattle
- [ANSC 460.3](#) Intensive Management of Dairy Cattle

Choose 6 credit units of open electives

Note: Open Electives may be chosen from most classes offered at the University of Saskatchewan, including classes from the Animal Biosciences Restricted Electives list.

Choose 3 credit units of restricted electives

Restricted Electives:

- [ANBI 298.3](#) Special Topics
- [ANBI 320.3](#) Equine Science
- [ANBI 360.3](#) Canine and Feline Science
- [ANBI 398.3](#) Special Topics
- [ANBI 420.3](#) Comparative Animal Endocrinology
- [ANBI 471.3](#) Animal Microbiomes and Health
- [ANBI 475.3](#) Field Studies in Arctic Ecosystems with Indigenous Peoples
- [ANBI 494.3](#) Research Thesis in Animal Bioscience
- [ANBI 498.3](#) Special Topics
- [ANSC 298.3](#) Special Topics
- [ANSC 301.3](#) Animal Production Tour
- [ANSC 316.3](#) Feed Technology
- [ANSC 355.3](#) Sheep and Goat Management
- [ANSC 398.3](#) Special Topics
- [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
- [ANSC 498.3](#) Special Topics
- [AREC 222.3](#) Introduction to Farm Business Management
- [AREC 343.3](#) Grain and Livestock Marketing
- [BINF 151.3](#) Computing in the Biological Sciences
- [BIOL 222.3](#) The Living Plant
- [BIOL 226.3](#) Genes to Genomics
- [BIOL 228.3](#) Ecology in a Changing World
- [BIOL 316.3](#) Genetic Analysis of Eukaryotes
- [BIOL 430.3](#) Neurobiology of Behaviour
- [BIOL 451.3](#) Ichthyology
- [BIOL 455.3](#) Mammal Diversity and Evolution
- [BIOL 458.3](#) Ornithology
- [BIOL 472.3](#) Animal Behaviour
- [BLE 205.3](#) Agricultural Machinery Management
- [BLE 303.3](#) Principles of Food and Bioproducts Engineering
- [BMIS 308.3](#) An Introduction to Microbial Pathogens
- [BMIS 310.3](#) Proteins and Enzymes

- [**BMIS 321.3**](#) Introduction to Immunology
- [**BMIS 340.3**](#) Introductory Molecular Biology
- [**BMIS 435.3**](#) Human Metabolism and Disease
- [**BMIS 436.3**](#) Advanced Molecular Biology
- [**BMSC 220.3**](#) Cell Biology
- [**BMSC 240.3**](#) Laboratory Techniques
- [**COMM 101.3**](#) Introduction to Business
- [**COMM 105.3**](#) Introduction to Organizational Behaviour
- [**COMM 201.3**](#) Introduction to Financial Accounting
- [**COMM 204.3**](#) Introduction to Marketing
- [**COMM 304.3**](#) Introduction to Business Law
- COMM 404.3
- [**FABS 110.3**](#) The Science of Food
- [**FABS 325.3**](#) Food Microbiology and Safety
- [**FABS 457.3**](#) Meat Science and Technology
- MCIM 321.3
- [**PHYS 115.3**](#) Physics and the Universe
- [**PLSC 213.3**](#) Principles of Plant Ecology
- [**PLSC 405.3**](#) Genetics of Plant Populations
- [**PLSC 418.3**](#) Management of Arable Grassland
- [**PLSC 420.3**](#) Grain Chemistry and Technology
- PLSC 423.3
- [**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
- [**TOX 300.3**](#) General Principles of Toxicology
- [**TOX 402.3**](#) Systemic Toxicology
- [**VBMS 314.3**](#) Comparative Anatomy of Domestic Animals
- [**VLAC 411.3**](#) Diseases of Ruminants
- [**VTPA 412.3**](#) Diseases of Poultry
- or courses approved by an Animal Science program advisor

2. Change requirement of COMM 201.3 to be COMM 201.3 OR COMM 225.3 and RCM 200.3 to be RCM 200.3 OR AGRC 110.3 in the Bachelor of Science in Agribusiness – Honours program.

Rationale: This change has already been made to the Bachelor of Science in Agribusiness and needs to be reflected in the Bachelor of Science in Agribusiness Honours program.

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 or [AGRC 110.3](#) Scientific Literacy and Communication for the Agricultural Sciences

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 or [COMM 225.3](#) Introduction to Accounting and Financial Literacy for Entrepreneurs
- [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 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. Agribusiness Minor Changes: AREC 222.3 and AREC 322.3 added as required courses. COMM 101.3 removed from required list and added to electives. COMM 201.3 updated to COMM 201.3 or COMM 225.3. Elective credit requirement reduced from 9 to 6 credit units. AREC 222.3 removed from electives.

Rationale: The revisions to the minor enhance alignment with the core competencies required in agribusiness and agricultural economics. Adding AREC 222 and AREC 322 strengthens students' foundational knowledge in farm management and agricultural finance. Replacing

COMM 101 with more targeted accounting options (COMM 201 or COMM 225) ensures students gain relevant financial literacy

Agribusiness

Minor

This minor can be completed with the following degree programs:

- Bachelor of Science in Agriculture (B.S.A.) degree
- Bachelor of Science in Renewable Resource Management [B.Sc.(R.R.M.)] degree

A minor consists of 18 credit units in a field of study outside the student's major. At least 12 credit units in the minor must be courses that are not specifically listed as required in a student's major.

Requirements (18 credit units)

- [AREC 495.3](#) Agribusiness Venture Management or [AREC 428.3](#) Case Studies in Agribusiness Management
- [AREC 222.3](#) Introduction to Farm Business Management
- [AREC 322.3](#) Agricultural Finance
- ~~[COMM 101.3](#) Introduction to Business~~
- [COMM 201.3](#) Introduction to Financial Accounting **or** [COMM 225.3](#) **Introduction to Accounting and Financial Literacy for Entrepreneurs**

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

- ~~[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 343.3](#) Grain and Livestock Marketing
- [AREC 344.3](#) Follow the Grain
- [AREC 346.3](#) Principles of Selling
- [AREC 347.3](#) Agribusiness Marketing Management
- [AREC 354.3](#) Economic Decision Analysis in Agribusiness
- [AREC 420.3](#) Operations Management for Agriculture
- [AREC 430.3](#) Advanced Natural Resource Economics
- AREC 435.3
- [AREC 445.3](#) Competition Regulation and Antitrust Theory and Applications
- ~~[COMM 101.3](#)~~ Introduction to Business
- [COMM 105.3](#) Introduction to Organizational Behaviour
- [COMM 203.3](#) Introduction to Finance
- [COMM 204.3](#) Introduction to Marketing
- [COMM 205.3](#) Introduction to Operations Management

- [COMM 210.3](#) Introduction to Management Accounting
 - COMM 303.3
 - [COMM 304.3](#) Introduction to Business Law
 - [COMM 352.3](#) Marketing Strategy
 - [COMM 354.3](#) Consumer Behaviour
 - COMM 404.3
4. Change requirement of COMM 201.3 to be COMM 201.3 OR COMM 225.3 in the Bachelor of Science in Agriculture, Agricultural Economics – Honours program.

Rationale: This change has already been made to the Bachelor of Science in Agriculture, Agricultural Economics and needs to be reflected in the Bachelor of Science in Agriculture, Agricultural Economics – Honours program.

Agricultural Economics

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

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.S.A. 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 (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
- [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
- [ECON 111.3](#) Introductory Microeconomics
- [ECON 114.3](#) Introductory Macroeconomics

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)

- [AGRC 110.3](#) Scientific Literacy and Communication for the Agricultural Sciences
- [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
- [ECON 211.3](#) Intermediate Microeconomics
- [ECON 214.3](#) Intermediate Macroeconomics
- [MATH 104.3](#) Elementary Calculus, [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

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:

- [ECON 305.3](#) Quantitative Methods in Economics I
- [ECON 306.3](#) Quantitative Methods in Economics II
- [MATH 116.3](#) Calculus II

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 494.6](#) Research and Technical Writing Honours Thesis
- [COMM 201.3](#) Introduction to Financial Accounting or [COMM 225.3](#) Introduction to Accounting and Financial Literacy for Entrepreneurs
- [COMM 203.3](#) Introduction to Finance
- [COMM 204.3](#) Introduction to Marketing
- [ECON 304.3](#) Introduction to Empirical Economics and [ECON 408.3](#) Econometrics 1
- [MATH 164.3](#) Introduction to Linear Algebra

Choose 3 credit units from the following:

- [HIST 254.3](#) The Age of Total Wars in 20th Century Europe
- [HIST 257.3](#) The Canadian Prairie to 1905
- [HIST 258.3](#) The Canadian Prairies since 1905
- [PHIL 120.3](#) Knowledge Mind and Existence
- [PHIL 133.3](#) Introduction to Ethics and Values
- [PHIL 140.3](#) Critical Thinking
- [PHIL 235.3](#)
- [PHIL 241.3](#) Introduction to Symbolic Logic I

- [PHIL 251.3](#) Philosophy of Science
- [PHIL 262.3](#) Social and Political Philosophy

Choose 12 credit units restricted electives from the following:

- [AREC — 400-Level](#)

Note: [AREC 356.3](#) The Economics of International Agribusiness and [AREC 348.3](#) Food Economics and Consumer Behaviour can be used towards this requirement.

Choose 6 credit units of restricted electives from the following:

- [ANTH — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [ARCH — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [AREC — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [BIOL — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [CHEM — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [CHIN — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [CLAS — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [COMM — 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](#)
- [GEOG 130.3](#) Environment Health and Planning or equivalent
- [GEOL — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [GERM — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [GRK — 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](#)
- [INDG — 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](#)
- [LING — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [PHIL — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [PHYS — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [PLSC 214.3](#) Statistical Methods
- [POLS — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [PSY — 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](#)
- [SOC — 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](#)
- If applicable, a specialization minor course can be used

Open Electives

- Choose 6 credit units of open electives

5. 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 Agricultural 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 (CHEM 215 is recommended)
- 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~~
- ~~VLAG 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)
- BIOL 316.3 Genetic Analysis of Eukaryotes

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
- BIOL 342.3 Fungi Environment and People
- 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)

GEOG – 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 (CHEM 215 is recommended)
- 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)
- BIOL 316.3 Genetic Analysis of Eukaryotes

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
- BIOL 342.3 Fungi Environment and People
- 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~~
- ~~VLAG 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

6. Food Industry Management program changes: COMM 201.3 to be COMM 201.3 OR COMM 225.3. AREC 428 or AREC 495, of FABS 492 to also include or FABS 494.6 Research Thesis (3 credit units of FABS 494.6 Research Thesis count as restricted electives). Remove FABS 457 from the restricted electives list and add FABS 375 and FABS 466

Rationale: Changes to the Food Industry Management program are intended to improve course accessibility, maintain relevance, and reflect current course offerings. The inclusion of FABS 494.6 Research Thesis alongside AREC 428, AREC 495, and FABS 492 offers students additional

opportunities for research engagement, with 3 credit units of FABS 494.6 counting toward restricted electives. FABS 457 has been removed from the restricted electives list as it has been added to the moribund course list. In its place, FABS 375 and FABS 466, both relatively new courses, are being added to reflect current course offerings.

Food Industry Management

Bachelor of Science in Food Industry Management [B.Sc.(FIM)]

Minimum Requirements for Degree (120 credit units)

Year 1 (30 credit units)

- [**AGRC 110.3**](#) Scientific Literacy and Communication for the Agricultural Sciences
- [**AGRC 113.3**](#) Introduction to Agri Food Economics
- [**AREC 220.3**](#) History of Indigenous Agriculture in Canada
- [**BIOL 120.3**](#) The Nature of Life
- [**CHEM 112.3**](#) General Chemistry I Structure Bonding and Properties of Materials
- [**COMM 101.3**](#) Introduction to Business
- [**ECON 111.3**](#) Introductory Microeconomics
- [**FABS 110.3**](#) The Science of Food
- [**MATH 104.3**](#) Elementary Calculus or [**MATH 110.3**](#) Calculus I or [**MATH 125.3**](#) Mathematics for the Life Sciences

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
- [**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

Year 2 (30 credit units)

- [AREC 230.3](#) Innovation and Entrepreneurship
- [AREC 272.3](#) Introduction to Agricultural Economics
- [BMSC 200.3](#) Biomolecules
- [COMM 201.3](#) Introduction to Financial Accounting or [COMM 225.3](#) Introduction to Accounting and Financial Literacy for Entrepreneurs
- [COMM 203.3](#) Introduction to Finance*
- [COMM 204.3](#) Introduction to Marketing
- [FABS 211.3](#) Introductory Bioproduct Science
- [FABS 212.3](#) Agrifood and Resources Microbiology
- [PLSC 214.3](#) Statistical Methods or [AREC 261.3](#) Agricultural Data Analytics I

*Note: Students take [COMM 203.3](#) Introduction to Finance after completing [PLSC 214.3](#) Statistical Methods or [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.

Note: If you plan to work in the food science area, choose [PLSC 214.3](#) Statistical Methods. If you plan to work in the industry management area, choose [AREC 261.3](#) Agricultural Data Analytics I

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](#)

Years 3 and 4 (60 credit units)

- [AREC 322.3](#) Agricultural Finance
- [AREC 346.3](#) Principles of Selling
- [AREC 347.3](#) Agribusiness Marketing Management
- [AREC 348.3](#) Food Economics and Consumer Behaviour
- [AREC 354.3](#) Economic Decision Analysis in Agribusiness
- [AREC 428.3](#) Case Studies in Agribusiness Management or [AREC 495.3](#) Agribusiness Venture Management or [FABS 492.3](#) Literature Thesis or [FABS 494.6](#) Research Thesis (3 credit units of [FABS 494.6](#) Research Thesis count as restricted electives)
- [FABS 315.3](#) Food Chemistry
- [FABS 317.3](#) Food and Bioproducts Analysis
- [FABS 325.3](#) Food Microbiology and Safety
- [FABS 345.3](#) Unit Operations in Food Processing
- [FABS 452.3](#) Quality Assurance and HACCP

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](#)

Choose 15 credit units of restricted electives from the following:

- [AGRC 445.3](#) Experiential Learning in the Workplace
- [AREC 262.3](#) Agricultural Data Analytics II
- [AREC 315.3](#) Application of Microeconomic Theory to Agriculture
- [AREC 342.3](#) Industrial Organization of Agricultural Markets
- [AREC 356.3](#) The Economics of International Agribusiness
- [AREC 420.3](#) Operations Management for Agriculture
- [AREC 440.3](#) Agricultural Marketing Systems
- [AREC 451.3](#) Agricultural Policy Analysis
- [CHEM 115.3](#) General Chemistry II Chemical Processes
- [CHEM 221.3](#) Analytical Chemistry I
- [CHEM 250.3](#) Introduction to Organic Chemistry
- [COMM 205.3](#) Introduction to Operations Management
- [FABS 222.3](#) Improving Food Security through Food Science and Technology
- [FABS 298.3](#) Special Topics

- FABS 360.3
- [FABS 362.3](#) Functional Foods and Nutraceuticals
- [FABS 371.3](#) Food Biotechnology
- **[FABS 375.3 A Practical Approach to Seed Processing](#)**
- [FABS 398.3](#) Special Topics
- [FABS 401.3](#) Dairy Science and Technology
- [FABS 411.3](#) Lipid Science and Technology
- [FABS 456.3](#) Laboratory Techniques in Food and Bioproduct Sciences
- ~~[FABS 457.3](#) Meat Science and Technology~~
- [FABS 460.3](#) Protein Science and Technology
- **[FABS 466.3 Carbohydrate Science and Technology](#)**
- [FABS 474.3](#) Food Enzymology
- [FABS 493.3](#) Product Development
- [FABS 498.3](#) Special Topics
- [PLSC 420.3](#) Grain Chemistry and Technology

Open Electives

Choose **9 credit units** of Open Electives

University Course Challenge – November 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)

Applied Computing

Minor program revisions

Bachelor of Science Honours and Four-year in Applied Computing - Business

Replace COMM 201.3 with COMM 225.3.

Bachelor of Science Honours (B.Sc. Honours) - Applied Computing - Business

C4 Major Requirement (69 credit units)

- [CMPT 141.3](#) Introduction to Computer Science
- [CMPT 145.3](#) Principles of Computer Science
- [CMPT 214.3](#) Programming Principles and Practice
- [CMPT 260.3](#) Mathematical Logic and Computing or [CMPT 263.3](#) Computational Logic and Program Reasoning
- [CMPT 270.3](#) Developing Object-Oriented Systems
- [CMPT 280.3](#) Intermediate Data Structures and Algorithms
- [CMPT 370.3](#) Intermediate Software Engineering
- [CMPT 371.3](#) Software Management
- [CMPT 407.3](#) Research Topics in Applied Computing
- [COMM 100.3](#) Business Communication
- [COMM 101.3](#) Introduction to Business
- [COMM 105.3](#) Introduction to Organizational Behaviour
- ~~[COMM 201.3](#) Introduction to Financial Accounting~~
- [COMM 204.3](#) Introduction to Marketing
- [COMM 225.3](#) Introduction to Accounting and Financial Literacy for Entrepreneurs
- [COMM 306.3](#) Ethics and Strategic Decision Making
- [STAT 242.3](#) Statistical Theory and Methodology or [STAT 245.3](#) Introduction to Statistical Methods

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Bachelor of Science (B.Sc. Four-year) - Applied Computing - Business

C4 Major Requirement (66 credit units)

- [CMPT 141.3](#) Introduction to Computer Science
- [CMPT 145.3](#) Principles of Computer Science
- [CMPT 214.3](#) Programming Principles and Practice
- [CMPT 260.3](#) Mathematical Logic and Computing or [CMPT 263.3](#) Computational Logic and Program Reasoning
- [CMPT 270.3](#) Developing Object-Oriented Systems
- [CMPT 280.3](#) Intermediate Data Structures and Algorithms
- [CMPT 370.3](#) Intermediate Software Engineering
- [CMPT 371.3](#) Software Management
- [COMM 100.3](#) Business Communication
- [COMM 101.3](#) Introduction to Business
- [COMM 105.3](#) Introduction to Organizational Behaviour

- ~~COMM 201.3 Introduction to Financial Accounting~~
- **COMM 204.3** Introduction to Marketing
- **COMM 225.3** Introduction to Accounting and Financial Literacy for Entrepreneurs
- **COMM 306.3** Ethics and Strategic Decision Making
- **STAT 242.3** Statistical Theory and Methodology or **STAT 245.3** Introduction to Statistical Methods

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Rationale: The Edwards School of Business has chosen to restrict access to COMM 201.3 Introduction to Financial Accounting to their students only starting in 2026-27, and instead will offer COMM 225.3 Introduction to Accounting and Financial Literacy for Entrepreneurs for students in other colleges. The new course will meet the needs of students in this program.

Classics

Minor course revisions

GRK 112.3 Greek for Beginners I

GRK 113.3 Greek for Beginners II

Change course hours:

Current: 5 lecture hours per week

Proposed: 3 lecture hours and 1 practicum hour per week

Rationale: The change will align the catalogue entries with how the new instructor for these classes, Dr. Kyle McLeister, wishes to teach them. It will also make the delivery structure consistent with the way the introductory Latin courses have been being offered.

LATN 112.3 Latin for Beginners

LATN 113.3 Latin for Beginners II

Change course hours:

Current: 3 lecture hours and 1.5 practicum hours per week

Proposed: 3 lecture hours and 1 practicum hour per week

Rationale: The change aligns the catalogue entry with how the classes have been built and taught over the past several years.

Computer Science

Course deletion(s)

CMPT 479.3 Useability Engineering

CMPT 480.3 Accessible Computing

Rationale: The professor who taught these courses has retired. The department currently has no faculty with expertise in these areas and are unlikely to hire a replacement.

English

Minor program revisions

Bachelor of Arts Honours, Double Honours, Four-year and Three-year in English

Replace ENG 404 and 406 with ENG 408, and add ENG 412 to Category 4.

Bachelor of Arts Honours (B.A. Honours) - English

A4 Major Requirement (60 credit units)

- **ENG 394.3** Literary and Cultural Theory

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

- [100-Level ENG Courses](#)

Choose **6 credit units** from the following Histories of English Courses:

- [ENG 210.3](#) Literary Canons and Cultural Power
- [ENG 211.3](#) History and Future of the Book
- [ENG 212.3](#) A History of English Words

Choose **6 credit units** from EACH of categories 1 through 4 (**24 credit units** in all).

Category 1: Anglo-Saxon & Medieval

- *No changes*

Category 2: 16th & 17th Century

- [CMRS 333.3](#) Exploring Medieval and Early Modern Manuscripts (May be used to fulfill a Category 1 or Category 2 requirement, but not both)
- [ENG 224.3](#) Shakespeare Comedy and History
- [ENG 225.3](#) Shakespeare Tragedy and Romance
- [ENG 319.3](#) Renaissance Literature I The Sixteenth Century
- [ENG 322.3](#) Renaissance Literature II The Seventeenth Century
- [ENG 324.3](#) Renaissance Drama
- [ENG 326.3](#) Renaissance Epic
- ~~[ENG 404.3](#) Topics in 16th Century Literature in English~~
- ~~[ENG 406.3](#) Topics in 17th Century Literature in English~~
- ~~[ENG 408.3](#) Topics in Renaissance Literature in English~~

Category 3: 18th & 19th Century

- *No changes*

Category 4: 20th & 21st Century

- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 255.3](#) Mapping Canadian Literature
- [ENG 305.3](#) Canadian Fiction from Beginnings to 1960
- [ENG 330.3](#)
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 358.3](#) Canadian Drama
- [ENG 359.3](#) Western Canadian Literature
- [ENG 360.3](#)
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- [ENG 382.3](#) Canadian Fiction from 1960 to the Present

- [ENG 384.3](#) British and Irish Literature from 1900 to the Present
- [ENG 412.3](#) Topics in Indigenous Literatures
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

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Bachelor of Arts Four-year (B.A. Four-year) - English
A4 Major Requirement (39 credit units)

- [ENG 394.3](#) Literary and Cultural Theory

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

- [100-Level ENG Courses](#)

Choose **3 credit units** from the following Histories of English Courses:

- [ENG 210.3](#) Literary Canons and Cultural Power
- [ENG 211.3](#) History and Future of the Book
- [ENG 212.3](#) A History of English Words

Choose **3 credit units** from EACH of the categories 1 through 5 (**15 credit units** in all).

Category 1: Anglo-Saxon & Medieval

- *No changes*

Category 2: 16th & 17th Century

- [CMRS 333.3](#) Exploring Medieval and Early Modern Manuscripts (May be used to fulfill a Category 1 or Category 2 requirement, but not both)
- [ENG 224.3](#) Shakespeare Comedy and History
- [ENG 225.3](#) Shakespeare Tragedy and Romance
- [ENG 319.3](#) Renaissance Literature I The Sixteenth Century
- [ENG 322.3](#) Renaissance Literature II The Seventeenth Century
- [ENG 324.3](#) Renaissance Drama
- [ENG 326.3](#) Renaissance Epic
- ~~[ENG 404.3](#) Topics in 16th Century Literature in English~~
- ~~[ENG 406.3](#) Topics in 17th Century Literature in English~~
- [ENG 408.3](#) Topics in Renaissance Literature in English

Category 3: 18th & 19th Century

- *No changes*

Category 4: 20th & 21st Century

- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 255.3](#) Mapping Canadian Literature
- [ENG 305.3](#) Canadian Fiction from Beginnings to 1960
- [ENG 330.3](#)
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 358.3](#) Canadian Drama
- [ENG 359.3](#) Western Canadian Literature
- [ENG 360.3](#)
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- [ENG 382.3](#) Canadian Fiction from 1960 to the Present
- [ENG 384.3](#) British and Irish Literature from 1900 to the Present
- [ENG 412.3](#) Topics in Indigenous Literatures
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

Category 5: Decolonizing, Transnational, Diasporic

- *No changes*

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Bachelor of Arts Three-year (B.A. Three-year) - English

A4 Major Requirement (30 credit units)

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

- [100-Level ENG Courses](#)

Choose **6 credit units** from among categories 1, 2, or 3.

Category 1: Anglo-Saxon & Medieval

- *No changes*

Category 2: 16th & 17th Century

- [CMRS 333.3](#) Exploring Medieval and Early Modern Manuscripts (May be used to fulfill a Category 1 or Category 2 requirement, but not both)
- [ENG 224.3](#) Shakespeare Comedy and History
- [ENG 225.3](#) Shakespeare Tragedy and Romance
- [ENG 319.3](#) Renaissance Literature I The Sixteenth Century
- [ENG 322.3](#) Renaissance Literature II The Seventeenth Century
- [ENG 324.3](#) Renaissance Drama

- [ENG 326.3](#) Renaissance Epic
- ~~[ENG 404.3](#) Topics in 16th Century Literature in English~~
- ~~[ENG 406.3](#) Topics in 17th Century Literature in English~~
- [ENG 408.3](#) Topics in Renaissance Literature in English

Category 3: 18th & 19th Century

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Bachelor of Arts Double Honours - English - Major 1

A4 Major Requirement (42 credit units)

- [ENG 394.3](#) Literary and Cultural Theory

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

- [100-Level ENG Courses](#)

Choose **6 credit units** from the following Histories of English Courses:

- [ENG 210.3](#) Literary Canons and Cultural Power
- [ENG 211.3](#) History and Future of the Book
- [ENG 212.3](#) A History of English Words

Choose **3 credit units** in EACH of the categories 1 through 5 (**15 credit units** in all).

Category 1: Anglo-Saxon & Medieval

- *No changes*

Category 2: 16th & 17th Century

- [CMRS 333.3](#) Exploring Medieval and Early Modern Manuscripts (May be used to fulfill a Category 1 or Category 2 requirement, but not both)
- [ENG 224.3](#) Shakespeare Comedy and History
- [ENG 225.3](#) Shakespeare Tragedy and Romance
- [ENG 319.3](#) Renaissance Literature I The Sixteenth Century
- [ENG 322.3](#) Renaissance Literature II The Seventeenth Century
- [ENG 324.3](#) Renaissance Drama
- [ENG 326.3](#) Renaissance Epic
- ~~[ENG 404.3](#) Topics in 16th Century Literature in English~~
- ~~[ENG 406.3](#) Topics in 17th Century Literature in English~~
- [ENG 408.3](#) Topics in Renaissance Literature in English

Category 3: 18th & 19th Century

- *No changes*

Category 4: 20th & 21st Century

- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 255.3](#) Mapping Canadian Literature
- [ENG 305.3](#) Canadian Fiction from Beginnings to 1960
- [ENG 330.3](#)
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 358.3](#) Canadian Drama
- [ENG 359.3](#) Western Canadian Literature
- [ENG 360.3](#)
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- [ENG 382.3](#) Canadian Fiction from 1960 to the Present
- [ENG 384.3](#) British and Irish Literature from 1900 to the Present
- [ENG 412.3](#) **Topics in Indigenous Literatures**
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

Category 5: Decolonizing, Transnational, Diasporic

- *No changes*

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Double Honours - English - Major 2

Requirements (42 credit units)

- [ENG 394.3](#) Literary and Cultural Theory

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

- [ENG — 100-Level](#)

Choose **6 credit units** from the following Histories of English Courses:

- [ENG 210.3](#) Literary Canons and Cultural Power
- [ENG 211.3](#) History and Future of the Book
- [ENG 212.3](#) A History of English Words

Choose **3 credit units** in EACH of categories 1 through 5 (**15 credit units** in all).

Category 1: Anglo-Saxon & Medieval

- *No changes*

Category 2: 16th & 17th Century

- [CMRS 333.3](#) Exploring Medieval and Early Modern Manuscripts (May be used to fulfill a Category 1 or Category 2 requirement, but not both)
- [ENG 224.3](#) Shakespeare Comedy and History
- [ENG 225.3](#) Shakespeare Tragedy and Romance
- [ENG 319.3](#) Renaissance Literature I The Sixteenth Century
- [ENG 322.3](#) Renaissance Literature II The Seventeenth Century
- [ENG 324.3](#) Renaissance Drama
- [ENG 326.3](#) Renaissance Epic
- ~~[ENG 404.3](#) Topics in 16th Century Literature in English~~
- ~~[ENG 406.3](#) Topics in 17th Century Literature in English~~
- [ENG 408.3](#) Topics in Renaissance Literature in English

Category 3: 18th & 19th Century

- *No changes*

Category 4: 20th & 21st Century

- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 255.3](#) Mapping Canadian Literature
- [ENG 305.3](#) Canadian Fiction from Beginnings to 1960
- [ENG 330.3](#)
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 358.3](#) Canadian Drama
- [ENG 359.3](#) Western Canadian Literature
- [ENG 360.3](#)
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- [ENG 382.3](#) Canadian Fiction from 1960 to the Present
- [ENG 384.3](#) British and Irish Literature from 1900 to the Present
- [ENG 412.3](#) Topics in Indigenous Literatures
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

Category 5: Decolonizing, Transnational, Diasporic

- *No changes*

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Rationale: ENG 408 is proposed to replace ENG 404 and 406 as part of the department's streamlining of course offerings. ENG 412 is a recently approved course in Indigenous Literature and is appropriate to be included in Category 4.

New course(s)

ENG 408.3 Topics in Renaissance Literature in English

1/2-3S Focus and texts vary from year to year according to the interests of instructors. See the department website or the current course handbook for 400-level course descriptions.

Prerequisite(s): Permission of the department required.

Restriction(s): Normally open to students in an Honours Program or in the upper years of a Four-year B.A. in English.

Note: Students may take this course more than once for credit, provided the topic covered in each offering differs substantially. Students who have taken ENG 404.3 or ENG 406.3 may take this course for credit, provided the topic covered in ENG 408.3 differs substantially. Students must consult the Department to ensure that the topics covered are different. Category 2 course.

Instructor(s): Arul Kumaran, Brent Nelson

Rationale: In the department's ongoing project of streamlining our course offerings, we identify two courses that really could be collapsed into one. This course is designed to replace ENG 404.3 Topics in 16th Century Literature in English and ENG 406.3 Topics in 17th Century Literature in English. In practice, offerings of either of these courses have often straddled the two centuries.

Course deletion(s):

ENG 404.3 Topics in 16th Century Literature in English

ENG 406.3 Topics in 17th Century Literature in English

Rationale: These courses will be replaced by the proposed ENG 408 above.

Food Science

Minor program revisions

Bachelor of Science Honours and Four-year in Food Science

Remove FABS 323, 366, 457 and 486, and add FABS 466.

Bachelor of Science Honours (B.Sc. Honours) - Food Science

C4 Major Requirement (60 credit units)

- **BMSC 200.3** Biomolecules
- **BMSC 230.3** Metabolism
- **CHEM 250.3** Introduction to Organic Chemistry
- **FABS 110.3** The Science of Food
- **FABS 211.3** Introductory Bioproduct Science
- **FABS 212.3** Agrifood and Resources Microbiology
- **FABS 315.3** Food Chemistry
- **FABS 317.3** Food and Bioproducts Analysis
- **FABS 325.3** Food Microbiology and Safety
- **FABS 345.3** Unit Operations in Food Processing
- **FABS 375.3** A Practical Approach to Seed Processing
- **FABS 452.3** Quality Assurance and HACCP
- **FABS 456.3** Laboratory Techniques in Food and Bioproduct Sciences
- **FABS 494.6** Research Thesis

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

- ~~**FABS 323.3** Food Additives and Toxicants~~
- **FABS 334.3** Industrial Microbiology
- **FABS 360.3**
- **FABS 362.3** Functional Foods and Nutraceuticals
- ~~**FABS 366.3**~~

- [FABS 371.3](#) Food Biotechnology
- [FABS 401.3](#) Dairy Science and Technology
- [FABS 411.3](#) Lipid Science and Technology
- ~~[FABS 457.3](#) Meat Science and Technology~~
- [FABS 460.3](#) Protein Science and Technology
- [FABS 466.3](#) Carbohydrate Science and Technology
- [FABS 474.3](#) Food Enzymology
- ~~[FABS 486.3](#)~~
- [FABS 493.3](#) Product Development

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

- [FABS 222.3](#) Improving Food Security through Food Science and Technology
- ~~[FABS 323.3](#) Food Additives and Toxicants~~
- [FABS 334.3](#) Industrial Microbiology
- [FABS 360.3](#)
- [FABS 362.3](#) Functional Foods and Nutraceuticals
- [FABS 371.3](#) Food Biotechnology
- [FABS 401.3](#) Dairy Science and Technology
- [FABS 411.3](#) Lipid Science and Technology
- ~~[FABS 457.3](#) Meat Science and Technology~~
- [FABS 460.3](#) Protein Science and Technology
- [FABS 474.3](#) Food Enzymology
- ~~[FABS 486.3](#)~~
- [FABS 493.3](#) Product Development

Bachelor of Science Four-year (B.Sc. Four-year) - Food Science

C5 Electives Requirement (27 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 which at least 66 must be at the 200-level or higher.

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

Students are encouraged to choose from the following list of recommended courses:

- [BMSC 240.3](#) Laboratory Techniques
- [AREC 292.3](#)
- [CHEM 115.3](#) General Chemistry II Chemical Processes
- [CHEM 221.3](#) Analytical Chemistry I
- [CHEM 231.3](#) Inorganic Chemistry I
- [CHEM 242.3](#) Thermodynamics and Kinetics
- [CHEM 255.3](#) Bio Organic Chemistry
- [COMM 204.3](#) Introduction to Marketing or [AREC 230.3](#) Innovation and Entrepreneurship or [ENT 210.3](#)
- ~~[FABS 323.3](#) Food Additives and Toxicants~~
- [FABS 334.3](#) Industrial Microbiology
- [FABS 360.3](#)
- [FABS 362.3](#) Functional Foods and Nutraceuticals
- [FABS 371.3](#) Food Biotechnology
- [FABS 401.3](#) Dairy Science and Technology

- [FABS 411.3](#) Lipid Science and Technology
- ~~[FABS 457.3](#) Meat Science and Technology~~
- [FABS 460.3](#) Protein Science and Technology
- [FABS 466.3](#) Carbohydrate Science and Technology
- [FABS 474.3](#) Food Enzymology
- ~~[FABS 486.3](#)~~
- [FABS 493.3](#) Product Development
- [PLSC 420.3](#) Grain Chemistry and Technology
- 200 and 300-level NUTR courses ([NUTR 221.3](#) Advanced Nutrition Micronutrients for Nutrition Program, [NUTR 305.3](#) Research Methods, [NUTR 310.3](#) Food Culture and Human Nutrition, [NUTR 321.3](#) Advanced Nutrition Macronutrients and Energy for Nutrition Program, and [NUTR 322.3](#) Nutrition Throughout the Lifespan recommended). Please note that not all NUTR courses may be used for credit in Arts & Science programs. See [Electives](#) for additional details.
- Other courses at the discretion of the undergraduate student advisor

Rationale: FABS 323, 366 (closed), 457 and FABS 486 (closed) are no longer offered as they were instructed by Drs. Nick Low and Phyllis Shand who have retired and the related BSA FABS program has moved away from this content. FABS 466 is currently a restricted elective course for the BSA FABS program and it offers content which would be a valuable addition to the list of restricted electives in this program. Adding it will provide more flexibility for students with interest in this area. FABS 466 will be added to the list of courses which transfer from other colleges for credit in Arts and Science.

French

Minor course revisions

FREN 104.3 Beginning Conversational French

Prerequisite change:

Current prerequisite(s): FREN 103.3

Proposed prerequisite(s): No prerequisite.

Rationale: FREN 104 is only offered through the Explore program. Students who have no/very little background in French are placed in FREN 103 (Beginning French 1) and FREN 104 at the same time, so the current prerequisite requires overrides to be processed even though this is an intended pathway. This update will reduce administrative work and make it easier for students to register in the courses in which they are placed.

Health Studies

Minor program revisions

Bachelor of Arts and Science Honours and Four-year in Health Studies

Add CPPS 337 and CPPS 417 as course options in the Individual, Society and Health stream as shown below.

Bachelor of Arts and Science Honours (B.A.&Sc. Honours) - Health Studies - Individual, Society and Health

J4 Major Requirement (63 credit units)

...

B1. 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. Drugs and Health:

- One of [CPPS 337.3 Experimental Design and the Health Care System](#), [CPPS 417.3 The Business of Healthcare](#), [TOX 300.3](#) General Principles of Toxicology, or [FABS 362.3](#) Functional Foods and Nutraceuticals
- [BMSC 208.3](#) Human Body Systems II* (BMSC 208.3 requires BMSC 207.3 as a prerequisite. This course may be used to fulfill B4 or B5 below.)
- [CPPS 304.3](#) Introduction to Pharmacology
- [CPPS 306.3](#) Systems Pharmacology I Cardiorespiratory Renal Gastrointestinal and Neuropharmacology or [CPPS 307.3](#) Systems Pharmacology II Chemotherapy Immune and Endocrine Pharmacology

ii. Disease and Health:

- *No changes*

iii. Food and Health:

- *No changes*

...

Bachelor of Arts and Science Four-year (B.A.&Sc. Four-year) - Health Studies- Individual, Society and Health

J4 Major Requirement (57 credit units)

...

B1. 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. Drugs and Health:

- One of [CPPS 337.3 Experimental Design and the Health Care System](#), [CPPS 417.3 The Business of Healthcare](#), [TOX 300.3](#) General Principles of Toxicology, or [FABS 362.3](#) Functional Foods and Nutraceuticals
- [BMSC 208.3](#) Human Body Systems II* (BMSC 208.3 requires BMSC 207.3 as a prerequisite. This course may be used to fulfill B4 or B5 below.)
- [CPPS 304.3](#) Introduction to Pharmacology

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

ii. Disease and Health:

- *No changes*

iii. Food and Health:

- *No changes*

...

Rationale: PHPY 402.3 (Therapeutics Herbal Compounds and Evidence Based Medicine) used to be part of the requirement impacted by this change. That course was deleted and replaced by CPPS 337.3, which is equivalent to PHPY 402. Only the course deletion was recognized in the Course and Program Catalogue, but the equivalent course was added to the program in Degree Works. This change will correct the mismatch between those two locations. CPPS 417.3 is a relevant course option for Health Science students.

Mathematics

Course deletion(s)

MATH 225.3 Intermediate Calculus

MATH 226.3 Intermediate Calculus II

Rationale: The Department of Mathematics and Statistics has historically offered three streams of vector calculus (MATH 223/224, MATH 225/226, and MATH 276/277). However, this approach is no longer sustainable given the current instructional capacity. Following a comprehensive review, the department has reached a consensus to streamline its offerings and retain only MATH 223/224 and MATH 276/277 moving forward. In addition to supporting instructional sustainability, this proposal addresses several key priorities of the College, including reducing reliance on sessional instructors; optimizing instructional resources to ensure long-term sustainability; eliminating redundant or overlapping course content; streamlining course offerings to enhance clarity and efficiency for students; and aligning academic programs with strategic goals and available resources.

Minor course revisions

MATH 163.3 Introduction to Mathematical Reasoning

Change to course hours:

Current: 3 Lecture hours and 1 Practicum/Lab hour per week

Proposed: 3 Lecture hours per week

Rationale: Due in part to the pandemic, MATH163 has been taught without a lab component since at least Fall 2020. Meanwhile, enrollment of the course has increased from around 60 students in 2019 to over 300 in recent years, making lab tutorials impractical.

Physics

Program deletion

Professional Internship Option (concentration) for students majoring in Physics

Rationale: The Professional Internship Program in Physics not attracted any students since it was implemented, and therefore the department has decided to delete both the program and the courses which were created for it.

Course deletions

PHYS 405.0 Professional Internship I

PHYS 406.0 Professional Internship II

PHYS 407.0 Professional Internship III

PHYS 408.0 Professional Internship IV

Rationale: PHYS 405.0, 406.0, 407.0 and 408.0 were created for the Professional Internship Option in Physics. These courses have not been offered, so there is no change to faculty resources.

Minor course revisions

EP 353.2 Modern Physics Laboratory II

Prerequisite change:

Current prerequisite(s): PHYS 352, PHYS 255, or PHYS 383

Proposed prerequisite(s): PHYS 255.3 or PHYS 223.3.

Rationale: EP 353 is modern physics laboratory of detection of nuclear radiation (charged particles and gamma rays), making use of detector assemblies and data acquisition and analysis software. Quantum mechanics or Lagrangian mechanics knowledge taught in PHYS 383 are not needed. PHYS 352 was renumbered to PHYS 255 effective May 2014 and no longer needs to be listed.

The basic understanding of nuclear radiation interactions with matter covered in PHYS 255, and the physics of collisions (conservation of momentum and energy) covered in PHYS 223 are adequate for students to be successful in EP 352. It is also suitable to include PHYS 223 which deals with conservation of energy, momentum and angular momentum in some quantitative detail, which are applied in the experiments in EP 353, and will ensure that the students have more analytical skills than what they learn in the first year courses.

Political Studies

New course(s)

POLS 307.3 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, proposed above.

Women's and Gender Studies

Minor program revisions

Bachelor of Arts Honours, Double Honours, Four-year and Three-year and Minor in Women's and Gender Studies (to become Gender, Sexualities, and Social Justice in 2026-27)

1. Remove ANTH 340, EFDT 483, HIST 384, HIST 392.
2. Replace ENG 203 with ENG 394.
3. Correct course number for CPSJ 203 (not 201).
4. Add HIST 259, 260; POLS 201, 207, 221, 238, 244, 245, 263, 333, 361, 362, 372, and 460 as shown.
5. Add some language to make the B4 requirements easier to navigate (naming each requirement 'A', 'B', 'C', etc.).

Bachelor of Arts Honours (B.A. Honours) - Women's and Gender Studies

B4 Major Requirement (48 credit units)

Group A

- [WGST 112.3](#) Introduction to Womens and Gender Studies
- [WGST 311.3](#) Contemporary Feminist Theories
- [WGST 312.3](#) Feminist Research Methodologies
- [WGST 400.0](#) Honours Colloquium

Group B

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

- [HIST 259.3](#) Canadian Womens and Gender History from Pre Contact Period to 1918
- [HIST 260.3](#) Canadian Womens and Gender History from 1919 to the Present
- [INDG 216.3](#) The Presence of the Past in Contemporary Indigenous Life
- [INDG 230.3](#) Gender in Traditional and Contemporary Indigenous Societies
- [INDG 255.3](#) Cultural Survival of Aboriginal Family
- [INDG 256.3](#) A Critical Survey of the History of Indigenous Child Welfare in Canada
- [INDG 320.3](#)
- [INDG 330.3](#) Critical Perspectives on Indigenous Sexualities and the Law
- [POLS 207.3](#) **Feminist Political Theory**
- [POLS 221.3](#) **Global Indigenous Politics**

Group C

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

- [WGST — 400-Level](#)

Group D

Choose **30 credit units** from the following:

At least **12 credit units** must be at the 300- level or above.

- [ANTH 310.3](#) Anthropology of Gender
- [ANTH 332.3](#) Anthropology of Infectious Disease
- [ARTH 257.3](#) Introduction to Canadian Art and Architecture II
- [ARTH 323.3](#)
- ~~[ARTH 340.3](#) **Contemporary Performance Art Theory and Praxis** (closed course)~~

- [ARTH 355.3](#) Contemporary Aboriginal Art I
- [ARTH 358.3](#) Postmodernism in Art
- [ARTH 455.3](#) Contemporary Indigenous Art II
- CPSJ ~~201.3~~ [203.3](#) Cultivating Humanity
- [ECON 221.3](#) Women and the Economy
- [ECON 227.3](#) Wage Determination
- ~~EFDI 483.3 Women and Teaching Profession (closed course)~~
- [EFDI 486.3](#) Queering our Schools and Communities
- ~~ENG 203.6 Critical Approaches to Reading English (closed course)~~
- [ENG 282.3](#) Feminist Critical Theory and Literature by Women
- [ENG 286.3](#) Courtly Love and Medieval Romance
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 484.3](#) Topics in Literature by Women
- [ENG 394.3](#) Literary and Cultural Theory
- [FREN 260.3](#) Portraying Queer Identities in French Cinema and Television
- [HIST 259.3](#) Canadian Womens and Gender History from Pre Contact Period to 1918
- [HIST 260.3](#) Canadian Womens and Gender History from 1919 to the Present
- ~~HIST 384.3 Women and Gender in Early Modern Europe (closed course)~~
- [HIST 387.3](#) Eugenics Birth Control and Venereal Disease in Republican China and the Global Context
- ~~HIST 392.3 Sexuality in North America (closed course)~~
- [HIST 404.3](#) Chinese Feminism and Chinese Womens Experiences in Historical Context
- [HIST 414.3](#) Gender Sexuality and Masculinity in the Middle Ages and Renaissance
- [HIST 420.3](#) Queering Gender and Sexuality in Modern European History
- [HIST 430.3](#) Gender and Sexuality in Western Canada
- [HIST 434.3](#) Fascism Gender and Sexuality
- [INDG 216.3](#) The Presence of the Past in Contemporary Indigenous Life
- [INDG 230.3](#) Gender in Traditional and Contemporary Indigenous Societies
- [INDG 255.3](#) Cultural Survival of Aboriginal Family
- [INDG 256.3](#) A Critical Survey of the History of Indigenous Child Welfare in Canada
- INDG 320.3
- [INDG 330.3](#) Critical Perspectives on Indigenous Sexualities and the Law
- [INDG 370.3](#) Images of Indigenous North America
- [IS 211.3](#) Introduction to International Studies Development
- [IS 212.3](#) International Studies and Conflict
- [LING 404.3](#) Language and Gender
- [PHIL 224.3](#) Philosophy of Sexuality
- PHIL 227.3 Feminist Philosophy
- [POLS 201.3](#) Global Citizenship Cultures and Coexistence
- [POLS 207.3](#) Feminist Political Theory
- [POLS 221.3](#) Global Indigenous Politics
- [POLS 238.3](#) Global Ideologies in the 21st Century
- [POLS 244.3](#) Politics of Development
- [POLS 245.3](#) Politics of Africa
- [POLS 263.3](#) The Politics of International Law
- [POLS 333.3](#) Theory and Politics of Law
- [POLS 336.3](#) Justice and Democracy
- [POLS 361.3](#) Canadian Political Economy
- [POLS 362.3](#) Global Capitalism
- [POLS 372.3](#) Peacebuilding and Political Reconciliation
- [POLS 460.3](#) Ethics and Global Politics
- [PSY 227.3](#) Human Sexuality
- [PSY 427.3](#) Sexual Minority Issues in Social Psychology

- [RLST 220.3](#) Women in Western Religious Traditions
- RLST 303.3 Goddess in Myth and History
- [RLST 321.3](#) Gender and God Talk
- RLST 359.3 Helpmates Harlots and Goddesses
- [RLST 382.3](#) Sex, God and Rock n' Roll Re-Vamping the Sacred
- [SOC 219.3](#) Indigenous Peoples and Justice in Canada
- [SOC 260.3](#) Social Change and Global Solidarity
- SOC 344.3 Women and Development
- [WGST — 200-Level, 300-Level, 400-Level](#)

Bachelor of Arts Four-year (B.A. Four-year) - Women's and Gender Studies
B4 Major Requirement (36 credit units)

Group A

- [WGST 112.3](#) Introduction to Womens and Gender Studies
- [WGST 311.3](#) Contemporary Feminist Theories
- [WGST 312.3](#) Feminist Research Methodologies

Group B

Choose 3 credit units from the following:

- [HIST 259.3](#) Canadian Womens and Gender History from Pre Contact Period to 1918
- [HIST 260.3](#) Canadian Womens and Gender History from 1919 to the Present
- [INDG 216.3](#) The Presence of the Past in Contemporary Indigenous Life
- [INDG 230.3](#) Gender in Traditional and Contemporary Indigenous Societies
- [INDG 255.3](#) Cultural Survival of Aboriginal Family
- [INDG 256.3](#) A Critical Survey of the History of Indigenous Child Welfare in Canada
- INDG 320.3
- [INDG 330.3](#) Critical Perspectives on Indigenous Sexualities and the Law
- [POLS 207.3](#) Feminist Political Theory
- [POLS 221.3](#) Global Indigenous Politics

Group C

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

- [WGST — 400-Level](#)

Group D

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

At least **6 credit units** must be at the 300- level or above.

- [ANTH 310.3](#) Anthropology of Gender
- [ANTH 332.3](#) Anthropology of Infectious Disease
- [ARTH 257.3](#) Introduction to Canadian Art and Architecture II
- ARTH 323.3
- ~~ARTH 340.3 Contemporary Performance Art Theory and Praxis (closed course)~~
- [ARTH 355.3](#) Contemporary Indigenous Art I
- [ARTH 358.3](#) Postmodernism in Art

- [ARTH 455.3](#) Contemporary Indigenous Art II
- ~~CPSJ 201.3~~ [203.3](#) Cultivating Humanity
- [ECON 221.3](#) Women and the Economy
- [ECON 227.3](#) Wage Determination
- ~~EFDI 483.3 Women and Teaching Profession~~ (closed course)
- [EFDI 486.3](#) Queering our Schools and Communities
- ~~ENG 203.3 Critical Approaches to Reading English~~ (closed course)
- [ENG 282.3](#) Feminist Critical Theory and Literature by Women
- [ENG 286.3](#) Courtly Love and Medieval Romance
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 394.3](#) Literary and Cultural Theory
- [ENG 484.3](#) Topics in Literature by Women
- [FREN 260.3](#) Portraying Queer Identities in French Cinema and Television
- [HIST 259.3](#) Canadian Womens and Gender History from Pre Contact Period to 1918
- [HIST 260.3](#) Canadian Womens and Gender History from 1919 to the Present
- ~~HIST 384.3 Women and Gender in Early Modern Europe~~ (closed course)
- [HIST 387.3](#) Eugenics Birth Control and Venereal Disease in Republican China and the Global Context
- ~~HIST 392.3 Sexuality in North America~~ (closed course)
- [HIST 404.3](#) Chinese Feminism and Chinese Womens Experiences in Historical Context
- [HIST 414.3](#) Gender Sexuality and Masculinity in the Middle Ages and Renaissance
- [HIST 420.3](#) Queering Gender and Sexuality in Modern European History
- [HIST 430.3](#) Gender and Sexuality in Western Canada
- [HIST 434.3](#) Fascism Gender and Sexuality
- [INDG 216.3](#) The Presence of the Past in Contemporary Indigenous Life
- [INDG 230.3](#) Gender in Traditional and Contemporary Indigenous Societies
- [INDG 255.3](#) Cultural Survival of Aboriginal Family
- [INDG 256.3](#) A Critical Survey of the History of Indigenous Child Welfare in Canada
- [INDG 320.3](#)
- [INDG 330.3](#) Critical Perspectives on Indigenous Sexualities and the Law
- [INDG 370.3](#) Images of Indigenous North America
- [IS 211.3](#) Introduction to International Studies Development
- [IS 212.3](#) International Studies and Conflict
- [LING 404.3](#) Language and Gender
- [PHIL 224.3](#) Philosophy of Sexuality
- [PHIL 227.3](#)
- [POLS 201.3](#) Global Citizenship Cultures and Coexistence
- [POLS 207.3](#) Feminist Political Theory
- [POLS 221.3](#) Global Indigenous Politics
- [POLS 238.3](#) Global Ideologies in the 21st Century
- [POLS 244.3](#) Politics of Development
- [POLS 245.3](#) Politics of Africa
- [POLS 263.3](#) The Politics of International Law
- [POLS 333.3](#) Theory and Politics of Law
- [POLS 336.3](#) Justice and Democracy
- [POLS 361.3](#) Canadian Political Economy
- [POLS 362.3](#) Global Capitalism
- [POLS 372.3](#) Peacebuilding and Political Reconciliation
- [POLS 460.3](#) Ethics and Global Politics
- [PSY 227.3](#) Human Sexuality
- [PSY 427.3](#) Sexual Minority Issues in Social Psychology
- [RLST 220.3](#) Women in Western Religious Traditions
- [RLST 303.3](#)

- [RLST 321.3](#) Gender and God Talk
- RLST 359.3
- [RLST 382.3](#) Sex, God and Rock n' Roll Re-Vamping the Sacred
- [SOC 219.3](#) Indigenous Peoples and Justice in Canada
- [SOC 260.3](#) Social Change and Global Solidarity
- SOC 344.3
- [WGST — 200-Level, 300-Level, 400-Level](#)

Bachelor of Arts Three-year (B.A. Three-year) - Women's and Gender Studies
B4 Major Requirement (30 credit units)

Group A

- [WGST 112.3](#) Introduction to Womens and Gender Studies
- [WGST 311.3](#) Contemporary Feminist Theories
- [WGST 312.3](#) Feminist Research Methodologies

Group B

Choose 3 credit units from the following:

- [HIST 259.3](#) Canadian Womens and Gender History from Pre Contact Period to 1918
- [HIST 260.3](#) Canadian Womens and Gender History from 1919 to the Present
- [INDG 216.3](#) The Presence of the Past in Contemporary Indigenous Life
- [INDG 230.3](#) Gender in Traditional and Contemporary Indigenous Societies
- [INDG 255.3](#) Cultural Survival of Aboriginal Family
- [INDG 256.3](#) A Critical Survey of the History of Indigenous Child Welfare in Canada
- INDG 320.3
- [INDG 330.3](#) Critical Perspectives on Indigenous Sexualities and the Law
- [POLS 207.3](#) Feminist Political Theory
- [POLS 221.3](#) Global Indigenous Politics

Group C

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

At least **9 credit units** must be at the 300- level or above.

- [ANTH 310.3](#) Anthropology of Gender
- [ANTH 332.3](#) Anthropology of Infectious Disease
- [ARTH 257.3](#) Introduction to Canadian Art and Architecture II
- ARTH 323.3
- ~~ARTH 340.3 Contemporary Performance Art Theory and Praxis (closed course)~~
- [ARTH 355.3](#) Contemporary Indigenous Art I
- [ARTH 358.3](#) Postmodernism in Art
- [ARTH 455.3](#) Contemporary Indigenous Art II
- CPSJ ~~201.3~~ [203.3](#) Cultivating Humanity
- [ECON 221.3](#) Women and the Economy
- [ECON 227.3](#) Wage Determination
- ~~EFDT 483.3 Women and Teaching Profession (closed course)~~
- [EFDT 486.3](#) Queering our Schools and Communities
- ~~ENG 203.3 Critical Approaches to Reading English (closed course)~~
- [ENG 282.3](#) Feminist Critical Theory and Literature by Women

- [ENG 286.3](#) Courtly Love and Medieval Romance
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 394.3](#) Literary and Cultural Theory
- [ENG 484.3](#) Topics in Literature by Women
- [FREN 260.3](#) Portraying Queer Identities in French Cinema and Television
- [HIST 259.3](#) Canadian Womens and Gender History from Pre Contact Period to 1918
- [HIST 260.3](#) Canadian Womens and Gender History from 1919 to the Present
- ~~[HIST 384.3](#) Women and Gender in Early Modern Europe (closed course)~~
- [HIST 387.3](#) Eugenics Birth Control and Venereal Disease in Republican China and the Global Context
- ~~[HIST 392.3](#) Sexuality in North America (closed course)~~
- [HIST 404.3](#) Chinese Feminism and Chinese Womens Experiences in Historical Context
- [HIST 414.3](#) Gender Sexuality and Masculinity in the Middle Ages and Renaissance
- [HIST 420.3](#) Queering Gender and Sexuality in Modern European History
- [HIST 430.3](#) Gender and Sexuality in Western Canada
- [HIST 434.3](#) Fascism Gender and Sexuality
- [INDG 216.3](#) The Presence of the Past in Contemporary Indigenous Life
- [INDG 230.3](#) Gender in Traditional and Contemporary Indigenous Societies
- [INDG 255.3](#) Cultural Survival of Aboriginal Family
- [INDG 256.3](#) A Critical Survey of the History of Indigenous Child Welfare in Canada
- [INDG 320.3](#)
- [INDG 330.3](#) Critical Perspectives on Indigenous Sexualities and the Law
- [INDG 370.3](#) Images of Indigenous North America
- [IS 211.3](#) Introduction to International Studies Development
- [IS 212.3](#) International Studies and Conflict
- [LING 404.3](#) Language and Gender
- [PHIL 224.3](#) Philosophy of Sexuality
- [PHIL 227.3](#)
- [POLS 201.3](#) Global Citizenship Cultures and Coexistence
- [POLS 207.3](#) Feminist Political Theory
- [POLS 221.3](#) Global Indigenous Politics
- [POLS 238.3](#) Global Ideologies in the 21st Century
- [POLS 244.3](#) Politics of Development
- [POLS 245.3](#) Politics of Africa
- [POLS 263.3](#) The Politics of International Law
- [POLS 333.3](#) Theory and Politics of Law
- [POLS 336.3](#) Justice and Democracy
- [POLS 361.3](#) Canadian Political Economy
- [POLS 362.3](#) Global Capitalism
- [POLS 372.3](#) Peacebuilding and Political Reconciliation
- [POLS 460.3](#) Ethics and Global Politics
- [PSY 227.3](#) Human Sexuality
- [PSY 427.3](#) Sexual Minority Issues in Social Psychology
- [RLST 220.3](#) Women in Western Religious Traditions
- [RLST 303.3](#)
- [RLST 321.3](#) Gender and God Talk
- [RLST 359.3](#)
- [RLST 382.3](#) Sex, God and Rock n' Roll Re-Vamping the Sacred
- [SOC 219.3](#) Indigenous Peoples and Justice in Canada
- [SOC 260.3](#) Social Change and Global Solidarity
- [SOC 344.3](#)
- [WGST — 200-Level, 300-Level, 400-Level](#)

Bachelor of Arts Double Honours - Women's and Gender Studies - Major 1
B4 Major Requirement (36 credit units)

Group A

- [WGST 112.3](#) Introduction to Womens and Gender Studies
- [WGST 311.3](#) Contemporary Feminist Theories
- [WGST 312.3](#) Feminist Research Methodologies
- [WGST 400.0](#) Honours Colloquium

Group B

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

- [HIST 259.3](#) Canadian Womens and Gender History from Pre Contact Period to 1918
- [HIST 260.3](#) Canadian Womens and Gender History from 1919 to the Present
- [INDG 216.3](#) The Presence of the Past in Contemporary Indigenous Life
- [INDG 230.3](#) Gender in Traditional and Contemporary Indigenous Societies
- [INDG 255.3](#) Cultural Survival of Aboriginal Family
- [INDG 256.3](#) A Critical Survey of the History of Indigenous Child Welfare in Canada
- [INDG 320.3](#)
- [INDG 330.3](#) Critical Perspectives on Indigenous Sexualities and the Law
- [POLS 207.3](#) **Feminist Political Theory**
- [POLS 221.3](#) **Global Indigenous Politics**

Group C

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

- [WGST — 400-Level](#)

Group D

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

At least **6 credit units** must be at the 300- level or above.

- [ANTH 310.3](#) Anthropology of Gender
- [ANTH 332.3](#) Anthropology of Infectious Disease
- [ARTH 257.3](#) Introduction to Canadian Art and Architecture II
- [ARTH 323.3](#)
- ~~[ARTH 340.3](#) Contemporary Performance Art Theory and Praxis (closed course)~~
- [ARTH 355.3](#) Contemporary Indigenous Art I
- [ARTH 358.3](#) Postmodernism in Art
- [ARTH 455.3](#) Contemporary Indigenous Art II
- ~~[CPSJ 201.3](#) [203.3](#) Cultivating Humanity~~
- [ECON 221.3](#) Women and the Economy
- [ECON 227.3](#) Wage Determination
- ~~[EFDT 483.3](#) Women and Teaching Profession (closed course)~~
- [EFDT 486.3](#) Queering our Schools and Communities

- ~~ENG 203.3 Critical Approaches to Reading English~~ (closed course)
- **ENG 282.3** Feminist Critical Theory and Literature by Women
- **ENG 286.3** Courtly Love and Medieval Romance
- **ENG 338.3** Contemporary North American Indigenous Literatures
- **ENG 394.3** Literary and Cultural Theory
- **ENG 484.3** Topics in Literature by Women
- **FREN 260.3** Portraying Queer Identities in French Cinema and Television
- **HIST 259.3** Canadian Womens and Gender History from Pre Contact Period to 1918
- **HIST 260.3** Canadian Womens and Gender History from 1919 to the Present
- ~~HIST 384.3 Women and Gender in Early Modern Europe~~ (closed course)
- **HIST 387.3** Eugenics Birth Control and Venereal Disease in Republican China and the Global Context
- ~~HIST 392.3 Sexuality in North America~~ (closed course)
- **HIST 404.3** Chinese Feminism and Chinese Womens Experiences in Historical Context
- **HIST 414.3** Gender Sexuality and Masculinity in the Middle Ages and Renaissance
- **HIST 420.3** Queering Gender and Sexuality in Modern European History
- **HIST 430.3** Gender and Sexuality in Western Canada
- **HIST 434.3** Fascism Gender and Sexuality
- **INDG 216.3** The Presence of the Past in Contemporary Indigenous Life
- **INDG 230.3** Gender in Traditional and Contemporary Indigenous Societies
- **INDG 255.3** Cultural Survival of Aboriginal Family
- **INDG 256.3** A Critical Survey of the History of Indigenous Child Welfare in Canada
- **INDG 320.3**
- **INDG 330.3** Critical Perspectives on Indigenous Sexualities and the Law
- **INDG 370.3** Images of Indigenous North America
- **IS 211.3** Introduction to International Studies Development
- **IS 212.3** International Studies and Conflict
- **LING 404.3** Language and Gender
- **PHIL 224.3** Philosophy of Sexuality
- **PHIL 227.3**
- **POLS 201.3** Global Citizenship Cultures and Coexistence
- **POLS 207.3** Feminist Political Theory
- **POLS 221.3** Global Indigenous Politics
- **POLS 238.3** Global Ideologies in the 21st Century
- **POLS 244.3** Politics of Development
- **POLS 245.3** Politics of Africa
- **POLS 263.3** The Politics of International Law
- **POLS 333.3** Theory and Politics of Law
- **POLS 336.3** Justice and Democracy
- **POLS 361.3** Canadian Political Economy
- **POLS 362.3** Global Capitalism
- **POLS 372.3** Peacebuilding and Political Reconciliation
- **POLS 460.3** Ethics and Global Politics
- **PSY 227.3** Human Sexuality
- **PSY 427.3** Sexual Minority Issues in Social Psychology
- **RLST 220.3** Women in Western Religious Traditions
- **RLST 303.3**
- **RLST 321.3** Gender and God Talk
- **RLST 359.3**
- **RLST 382.3** Sex, God and Rock n' Roll Re-Vamping the Sacred
- **SOC 219.3** Indigenous Peoples and Justice in Canada
- **SOC 260.3** Social Change and Global Solidarity
- **SOC 344.3**

- [WGST — 200-Level, 300-Level, 400-Level](#)

Bachelor of Arts Double Honours - Women's and Gender Studies - Major 2
Requirements (36 credit units)

Group A

- [WGST 112.3](#) Introduction to Womens and Gender Studies
- [WGST 311.3](#) Contemporary Feminist Theories
- [WGST 312.3](#) Feminist Research Methodologies
- [WGST 400.0](#) Honours Colloquium

Group B

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

- [HIST 259.3](#) Canadian Womens and Gender History from Pre Contact Period to 1918
- [HIST 260.3](#) Canadian Womens and Gender History from 1919 to the Present
- [INDG 216.3](#) The Presence of the Past in Contemporary Indigenous Life
- [INDG 230.3](#) Gender in Traditional and Contemporary Indigenous Societies
- [INDG 255.3](#) Cultural Survival of Aboriginal Family
- [INDG 256.3](#) A Critical Survey of the History of Indigenous Child Welfare in Canada
- [INDG 320.3](#)
- [INDG 330.3](#) Critical Perspectives on Indigenous Sexualities and the Law
- [POLS 207.3](#) Feminist Political Theory
- [POLS 221.3](#) Global Indigenous Politics

Group C

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

- [WGST — 400-Level](#)

Group D

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

At least **6 credit units** must be at the 300- level or above.

- [ANTH 310.3](#) Anthropology of Gender
- [ANTH 332.3](#) Anthropology of Infectious Disease
- [ARTH 257.3](#) Introduction to Canadian Art and Architecture II
- [ARTH 323.3](#)
- ~~[ARTH 340.3](#) Contemporary Performance Art Theory and Praxis (closed course)~~
- [ARTH 355.3](#) Contemporary Indigenous Art I
- [ARTH 358.3](#) Postmodernism in Art
- [ARTH 455.3](#) Contemporary Indigenous Art II
- ~~[CPSJ 201.3](#)~~ [203.3](#) Cultivating Humanity
- [ECON 221.3](#) Women and the Economy
- [ECON 227.3](#) Wage Determination

- ~~EFD 483.3 Women and Teaching Profession (closed course)~~
- **EFD 486.3** Queering our Schools and Communities
- ~~ENG 203.3 Critical Approaches to Reading English (closed course)~~
- **ENG 282.3** Feminist Critical Theory and Literature by Women
- **ENG 286.3** Courtly Love and Medieval Romance
- **ENG 338.3** Contemporary North American Indigenous Literatures
- **ENG 394.3** Literary and Cultural Theory
- **ENG 484.3** Topics in Literature by Women
- **FREN 260.3** Portraying Queer Identities in French Cinema and Television
- **HIST 259.3** Canadian Womens and Gender History from Pre Contact Period to 1918
- **HIST 260.3** Canadian Womens and Gender History from 1919 to the Present
- ~~HIST 384.3 Women and Gender in Early Modern Europe (closed course)~~
- **HIST 387.3** Eugenics Birth Control and Venereal Disease in Republican China and the Global Context
- ~~HIST 392.3 Sexuality in North America (closed course)~~
- **HIST 404.3** Chinese Feminism and Chinese Womens Experiences in Historical Context
- **HIST 414.3** Gender Sexuality and Masculinity in the Middle Ages and Renaissance
- **HIST 420.3** Queering Gender and Sexuality in Modern European History
- **HIST 430.3** Gender and Sexuality in Western Canada
- **HIST 434.3** Fascism Gender and Sexuality
- **INDG 216.3** The Presence of the Past in Contemporary Indigenous Life
- **INDG 230.3** Gender in Traditional and Contemporary Indigenous Societies
- **INDG 255.3** Cultural Survival of Aboriginal Family
- **INDG 256.3** A Critical Survey of the History of Indigenous Child Welfare in Canada
- **INDG 320.3**
- **INDG 330.3** Critical Perspectives on Indigenous Sexualities and the Law
- **INDG 370.3** Images of Indigenous North America
- **IS 211.3** Introduction to International Studies Development
- **IS 212.3** International Studies and Conflict
- **LING 404.3** Language and Gender
- **PHIL 224.3** Philosophy of Sexuality
- **PHIL 227.3**
- **POLS 201.3** Global Citizenship Cultures and Coexistence
- **POLS 207.3** Feminist Political Theory
- **POLS 221.3** Global Indigenous Politics
- **POLS 238.3** Global Ideologies in the 21st Century
- **POLS 244.3** Politics of Development
- **POLS 245.3** Politics of Africa
- **POLS 263.3** The Politics of International Law
- **POLS 333.3** Theory and Politics of Law
- **POLS 336.3** Justice and Democracy
- **POLS 361.3** Canadian Political Economy
- **POLS 362.3** Global Capitalism
- **POLS 372.3** Peacebuilding and Political Reconciliation
- **POLS 460.3** Ethics and Global Politics
- **PSY 227.3** Human Sexuality
- **PSY 427.3** Sexual Minority Issues in Social Psychology
- **RLST 220.3** Women in Western Religious Traditions
- **RLST 303.3**
- **RLST 321.3** Gender and God Talk
- **RLST 359.3**
- **RLST 382.3** Sex, God and Rock n' Roll Re-Vamping the Sacred
- **SOC 219.3** Indigenous Peoples and Justice in Canada

- [SOC 260.3](#) Social Change and Global Solidarity
- SOC 344.3
- [WGST — 200-Level, 300-Level, 400-Level](#)

Women's and Gender Studies - Minor
Requirements (24 credit units)

Group A

- [WGST 311.3](#) Contemporary Feminist Theories
- [WGST 312.3](#) Feminist Research Methodologies

Group B

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

- [ANTH 310.3](#) Anthropology of Gender
- [ANTH 332.3](#) Anthropology of Infectious Disease
- [ARTH 257.3](#) Introduction to Canadian Art and Architecture II
- ARTH 323.3
- ~~ARTH 340.3 Contemporary Performance Art Theory and Praxis (closed course)~~
- [ARTH 355.3](#) Contemporary Indigenous Art I
- [ARTH 358.3](#) Postmodernism in Art
- [ARTH 455.3](#) Contemporary Indigenous Art II
- CPSJ ~~201.3~~ 203.3 Cultivating Humanity
- [ECON 221.3](#) Women and the Economy
- [ECON 227.3](#) Wage Determination
- ~~EFD 483.3 Women and Teaching Profession (closed course)~~
- [EFD 486.3](#) Queering our Schools and Communities
- ~~ENG 203.3 Critical Approaches to Reading English (closed course)~~
- [ENG 282.3](#) Feminist Critical Theory and Literature by Women
- [ENG 286.3](#) Courtly Love and Medieval Romance
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- ~~ENG 394.3 Literary and Cultural Theory~~
- [ENG 484.3](#) Topics in Literature by Women
- [FREN 260.3](#) Portraying Queer Identities in French Cinema and Television
- ~~HIST 259.3 Canadian Womens and Gender History from Pre Contact Period to 1918~~
- ~~HIST 260.3 Canadian Womens and Gender History from 1919 to the Present~~
- ~~HIST 384.3 Women and Gender in Early Modern Europe (closed course)~~
- [HIST 387.3](#) Eugenics Birth Control and Venereal Disease in Republican China and the Global Context
- ~~HIST 392.3 Sexuality in North America (closed course)~~
- [HIST 404.3](#) Chinese Feminism and Chinese Womens Experiences in Historical Context
- [HIST 414.3](#) Gender Sexuality and Masculinity in the Middle Ages and Renaissance
- [HIST 420.3](#) Queering Gender and Sexuality in Modern European History
- [HIST 430.3](#) Gender and Sexuality in Western Canada
- [HIST 434.3](#) Fascism Gender and Sexuality
- [INDG 216.3](#) The Presence of the Past in Contemporary Indigenous Life
- [INDG 230.3](#) Gender in Traditional and Contemporary Indigenous Societies
- [INDG 255.3](#) Cultural Survival of Aboriginal Family
- [INDG 256.3](#) A Critical Survey of the History of Indigenous Child Welfare in Canada
- INDG 320.3

- [INDG 330.3](#) Critical Perspectives on Indigenous Sexualities and the Law
- [INDG 370.3](#) Images of Indigenous North America
- [IS 211.3](#) Introduction to International Studies Development
- [IS 212.3](#) International Studies and Conflict
- [LING 404.3](#) Language and Gender
- [PHIL 224.3](#) Philosophy of Sexuality
- PHIL 227.3
- [POLS 201.3](#) Global Citizenship Cultures and Coexistence
- [POLS 207.3](#) Feminist Political Theory
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- [POLS 238.3](#) Global Ideologies in the 21st Century
- [POLS 244.3](#) Politics of Development
- [POLS 245.3](#) Politics of Africa
- [POLS 263.3](#) The Politics of International Law
- [POLS 333.3](#) Theory and Politics of Law
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- [POLS 361.3](#) Canadian Political Economy
- [POLS 362.3](#) Global Capitalism
- [POLS 372.3](#) Peacebuilding and Political Reconciliation
- [POLS 460.3](#) Ethics and Global Politics
- [PSY 227.3](#) Human Sexuality
- [PSY 427.3](#) Sexual Minority Issues in Social Psychology
- [RLST 220.3](#) Women in Western Religious Traditions
- RLST 303.3
- [RLST 321.3](#) Gender and God Talk
- RLST 359.3
- [RLST 382.3](#) Sex, God and Rock n' Roll Re-Vamping the Sacred
- [SOC 219.3](#) Indigenous Peoples and Justice in Canada
- [SOC 260.3](#) Social Change and Global Solidarity
- SOC 344.3
- WGST — 100-level, 200-Level, 300-Level, 400-Level

Rationale:

1. Removed courses are closed.
 2. ENG 203.6 was condensed to ENG 394.3.
 3. CPSJ 201 was a typo; correction is CPSJ 203.
 4. The course additions are courses relevant to the field, selected through discussion with the department and the former WGST Director, Dr. Rachel Loewen-Walker. The addition of the POLS courses will ensure more faculty in the department contribute to this program and will maximize synergies between the department's programs.
 5. Category language is added for clarity and ease of referencing when communicating with faculty, staff and students.
-

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.

Psychology

Minor course revisions

PSY 323.3 Qualitative Study of Lives and Social Practices

Prerequisite change:

Current prerequisite(s): PSY 233.3; and PSY 235.3 (or HLST 210.3); and 3 credit units from PSY 207.3, PSY 213.3, PSY 214.3, PSY 216.3, PSY 222.3, PSY 223.3, PSY 224.3, PSY 225.3, PSY 226.3, PSY 227.3, PSY 230.3, PSY 231.3, PSY 236.3, PSY 257.3, PSY 260.3 or PSY 261.3; and 9 credit units of 200-level PSY courses.

Proposed prerequisite(s): PSY 233.3; and PSY 235.3 (or HLST 210.3); and PSY 236.3; and 9 credit units of 200-level PSY courses.

Rationale: At present, there is significant overlap between PSY 236 (Qualitative Research in Psychology) and PSY 323 (the first of two lab courses in qualitative research), as instructors attempt to “catch up” students who have not taken PSY 236. This repetition does not serve students who have already completed PSY 236 well. Conversely, students entering PSY 323 without PSY 236 struggle to appreciate the broader qualitative research landscape and the philosophy of science that both connects and differentiates research approaches in psychology, and the current solution—providing an “overview” of PSY 236 content in the opening weeks of PSY 323—is not meeting student needs effectively. By making PSY 236 (a foundational course in qualitative research) a prerequisite for PSY 323 (a lab course where students are best served by practicing research skills and applying knowledge), we will reduce unnecessary overlap, ensure students are properly prepared for required lab tasks, and align PSY 323 with other lab courses that have clearly linked preparatory prerequisites.

College of Engineering - University Course Challenge Submission, NOVEMBER 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

Civil Engineering

1. **Motion:** To change the prerequisite for CE 213.3 (Mechanics of Materials), effective in the 2026-27 academic year. The course requirements will change from the following:

Prerequisite(s): GE 123.3

To the following:

Prerequisite(s): GE 123.3 and [GE 183.2 or CHE 113.3]

Rationale: GE 183.2 (Mechanics and Problem Analysis in Civil, Geological, and Environmental Engineering) builds upon the topics presented in GE 123.3 (Engineering Mechanics II) and introduces the concepts of centroids and moments of inertia. These topics were removed from the first-year program but are required for CE 213.3.

While ENVE students do not take GE 183.2, they will take CHE 113.3 (Unit Operations in Chemical Process Engineering), in which the concepts of centroids and moments of inertia will also be introduced. Therefore, CHE 113.3 is included as an alternative prerequisite to provide a path for ENVE students to take CE 213.3.

In addition, GE 183.2 also provides additional practice with equilibrium analysis and free-body diagrams, which will better prepare students for CE 213.3. Since GE 123.3 and GE 183.3 are offered concurrently, it is possible for students to withdraw from one course the other, therefore, both courses are listed as prerequisites.

2. **Motion:** To change the prerequisites for CE 225.3 (Fluid Mechanics), beginning in the 2026-27 academic year. The course requirements will change from the following:

Prerequisite(s): GE 123.3 and MATH 223.3 (taken)

To the following:

Prerequisite(s): CE 213.3 (taken) and MATH 223.3 (taken)

Rationale: CE 213.3 (Mechanics of Materials) gives students experience working with centroids, moments of inertia, and equilibrium analysis, which will better prepare them for CE 225.3. With CE 213.3 now offered in Fall Term, it can now be required as a prerequisite for CE 225.3, which is offered in Winter Term.

CE 213.3 is listed as a 'taken' prerequisite because it is only required that students have been exposed to a portion of the topics in CE 213.3. In addition, because CE 213.3 has traditionally had a higher failure rate, this measure prevents unnecessary barriers to students' progression into CE 225.3.

3. **Motion:** To change the prerequisites and corequisites for CE 495.6 (Capstone Design Project), effective in the 2027-28 academic year. The course requirements will change from the following:

Prerequisites: CE 295, CE 318, CE 320, GE 348, CE 327 (taken), CE 330 (taken), CE 329 (taken), CE 319 (taken), CE 321 (taken)

Prerequisite(s) or Corequisite(s): 9 credit units from the following group of courses: CE 467, elective list W, elective list G, elective list S.

To the following:

Prerequisites: CE 395.3, CE 318.3, CE 327.3 (taken), CE 330.3 (taken), CE 319.3 (taken), CE 321.3 (taken)

Prerequisite(s) or Corequisite(s): 9 credit units from the following group of courses: CE 415.3, CE 417.3, CE 418.3, CE 466.3

Rationale: In the revised Civil Engineering program, CE 295.3 (Design Project) has been replaced with CE 395.3 (Transportation Design Project), and the W, G, and S elective lists have been removed. CE 415.3 (Structures for Water Retention), CE 417.3 (Pavement Materials and Design), CE 418.3 (Design in Reinforced Concrete), and CE 466.3 (Geotechnical Modelling) are now core courses offered in Fall Term of fourth year. These courses provide the necessary technical background for completing capstone design projects.

Requiring students to take at least three of these courses as corequisites ensures that only fourth-year students are eligible to register in CE 495.6 (Capstone Design project), while allowing some flexibility by not mandating taking all four courses. Additionally, the third-year courses that were previously removed as prerequisites are now added as prerequisites for CE 395.3 (Transportation Design Project) and therefore, no longer need to be listed separately.

4. **Motion:** To change the prerequisites for CE 171.2 (Spring Surveying Camp) effective in the 2026-27 academic year.

from: **Prerequisites:** GE 133.2 or CE 201.0 or CE 202.3 or ENVE 201.3

To the following:

Prerequisite(s) or Corequisite(s): GE 133.2

Rationale: GE 133.2 (Engineering Communication II) and CE 171.2 (Spring Surveying Camp) are both offered in the Winter Term; therefore, listing GE 133.2 as a prerequisite for CE 171.2 will always cause registration conflicts. Additionally, grades for GE 133.2 are typically not available until after CE 171.2 begins, making it impractical to withdraw students who do not successfully complete GE 133.2. Changing the requirement to a pre/co-requisite will resolve these issues.

The current second-year prerequisites were originally intended to accommodate students admitted prior to the implementation of the new first year program and are no longer required.

Geological Engineering

1. **Motion:** To change the prerequisite requirements for GEOE 295.3 (Design Project) as outlined below, effective in the 2026-27 academic year. The course requirements will change from the following:

Prerequisite(s): CE 202.3 and CE 212.3.

Prerequisite(s) or Corequisite(s): CE 213.3, GEOE 218.3, and RCM 200.3.

To the following:

Prerequisite(s): CE 202.3 and CE 213.3.

Prerequisite(s) or Corequisite(s): CE 212.3, GEOE 218.3, and RCM 200.3.

Rationale: This motion will correct a mistake that was made when the motion to create GEOE 295.3, effective in the 2025-26 academic year, was passed in the Fall Term 2024. This motion resulted in the substitution of GEOE 295.3 for CE 295.3 (Design Project) as a required course in the Winter Term of the second year in the Geological Engineering program.

Given the fact that GEOE 295.3 was modeled after CE 295.3, the prerequisites for GEOE 295.3 were based on those used for CE 295.3 in (and prior to) the 2024-25 academic year. However, the motion did not account for course sequencing changes implemented in the 2025–26 academic year, when CE 212.3 (Civil Engineering Materials) moved from Fall Term to Winter Term, and CE 213.3 (Mechanics of Materials) moved from Winter Term to Fall Term.

As a result of these changes, students in the Geological Engineering program cannot take CE 212.3 before taking GEOE 295.3, and therefore it cannot remain a prerequisite. Similarly, CE 213.3, if offered during the same term as GEOE 295.3, it can be taken as a co-requisite.

University Course Challenge – November 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)

PSYCHIATRY

Degree Requirement changes:

Rationale: The Department of Psychiatry has recently re-opened enrollment for the Biological Psychiatry Graduate Program due to expanding research capacity, however, the still reflected institutional policies and standards from over seven years ago. The changes will bring the program in line with modern credit requirements of other PhD programs in the College of Medicine and reflect the up-to-date policy. The changes will reduce the credit unit requirements of the Ph.D. programs, remove the qualifying exam for a Master's to Ph.D. transfer, and clarify program requirements.

Biological Psychiatry

Doctor of Philosophy (Ph.D.) - Direct Entry

Degree Requirements

Students must maintain continuous registration in the 996 course.

- [GPS 960.0](#) Introduction to Ethics and Integrity
- [GPS 961.0](#) Ethics and Integrity in Human Research, if research involves human subjects
- [GPS 962.0](#) Ethics and Integrity in Animal Research, if research involves animal subjects

- [PSIA 990.0](#) Seminar
- [PSIA 996.0](#) Research – Dissertation
- dissertation defense
- doctoral candidacy assessment

A minimum of ~~15 credit units~~ **9 credit units**, including the following:

- [PSIA 851.3](#) Introductory Neuroscience
- **6 credit units of electives at the 800-level**

Note: ~~at least~~ 9 credit units of course work at the graduate level must be successfully completed in the first year of the program.

Note: students may be required to take additional courses at the recommendation of the advisory committee to address specific deficiencies of the student and/or to complement the research program. The requirement to complete PSIA 851 may be waived if a student has received credit for this course and replacement course will be approved by the advisory committee.

Biological Psychiatry

Doctor of Philosophy (Ph.D.) - Non-Direct Entry Degree Requirements

Students must maintain continuous registration in the 996 course.

- [GPS 960.0](#) Introduction to Ethics and Integrity
- [GPS 961.0](#) Ethics and Integrity in Human Research, if research involves human subjects
- [GPS 962.0](#) Ethics and Integrity in Animal Research, if research involves animal subjects

- [PSIA 990.0](#) Seminar
- [PSIA 996.0](#) Research – Dissertation
- dissertation defense
- doctoral candidacy assessment

A minimum of 6 credit units, including the following:

- [PSIA 851.3](#) Introductory Neuroscience

Note: students may be required to take additional courses at the recommendation of the advisory committee to address specific deficiencies of the student and/or to complement the research program. The requirement to complete PSIA 851 may be waived if a student has received credit for the course as part of their MSc program.

Biological Psychiatry Transfer from Master's to Ph.D. Degree Requirements

Students must maintain continuous registration in the 996 course.

- [GPS 960.0](#) Introduction to Ethics and Integrity
- [GPS 961.0](#) Ethics and Integrity in Human Research, if research involves human subjects
- [GPS 962.0](#) Ethics and Integrity in Animal Research, if research involves animal subjects

- [PSIA 990.0](#) Seminar
- [PSIA 996.0](#) Research – Dissertation
- dissertation defense
- doctoral candidacy assessment
- ~~qualifying examination~~
- ~~thesis defense~~

A minimum of ~~15 credit units~~ **9 credit units** at the 800-level, including the following:

- [PSIA 851.3](#) Introductory Neuroscience
- **6 credit unit of electives**

Note: students may be required to take additional courses at the recommendation of the advisory committee to address specific deficiencies of the student and/or to complement the research program.

HISTORY

Degree requirement changes:

Master of Arts (M.A.) - Thesis-based

Degree Requirements

Students must maintain continuous registration in [HIST 994.0](#) Research – Thesis

- [GPS 960.0](#) Introduction to Ethics and Integrity
- [GPS 961.0](#) Ethics and Integrity in Human Research, if research involves human subjects
- [GPS 962.0](#) Ethics and Integrity in Animal Research, if research involves animal subjects
- [HIST 990.0](#) Seminar (attendance and presentation of research)
- [HIST 994.0](#) Research – Thesis
- complete a minimum of 9 credit units of 800-level seminars
- complete thesis and successful oral thesis defence
- language requirement: A reading and writing competency in a second language **may be required as determined by the student's supervisor in consultation with the Graduate Director.**

History

Doctor of Philosophy (Ph.D.)

Degree Requirements

Students must maintain continuous registration in the [HIST 996.0](#) Research – Dissertation

- [GPS 960.0](#) Introduction to Ethics and Integrity
- [GPS 961.0](#) Ethics and Integrity in Human Research, if research involves human subjects
- [GPS 962.0](#) Ethics and Integrity in Animal Research, if research involves animal subjects
- [HIST 990.0](#) Seminar (attendance; ~~practice job interview~~ **and presentation of research**)
- [HIST 996.0](#) Research – Dissertation
- a minimum of 12 credit units of comprehensive field courses, at least 9 credit units of which must be history
- complete dissertation and successful oral defence
- doctoral candidacy assessment
- language requirement: A reading and writing competency in a second language **may be required as determined by the student's supervisor in consultation with the Graduate Director.**

History

Transfer from Master's to Ph.D.

Degree Requirements

Students must maintain continuous registration in [HIST 996.0](#) Research – Dissertation

- [GPS 960.0](#) Introduction to Ethics and Integrity
- [GPS 961.0](#) Ethics and Integrity in Human Research, if research involves human subjects
- [GPS 962.0](#) Ethics and Integrity in Animal Research, if research involves animal subjects
- [HIST 990.0](#) Seminar (attendance; ~~practice job interview~~ **and presentation of research**)
- [HIST 996.0](#) Research – Dissertation
- a minimum of 21 credit units, at least 9 credit units of which must be history
- doctoral candidacy assessment

- successful oral dissertation defense
 - language requirement: A reading and writing competency in a second language **may be required as determined by the student's supervisor in consultation with the Graduate Director.**
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FOR INFORMATION

PSYCHOLOGY AND HEALTH STUDIES

PSY 813.3: Psychological Assessment I

Current Description: This is a foundational course in the theoretical and practical issues in personality and ability assessment. The nature, history, and current controversies and problems related to objective personality and intellectual assessment are examined. A goal of this course is to become proficient in basic interviewing skills and in the administration and interpretation of basic objective personality and cognitive ability instruments.

Proposed Description: This is a foundational course in the theoretical and practical issues in clinical personality assessment. The nature, history, and current controversies and problems related to objective personality assessment are examined. A goal of this course is to become proficient in basic interviewing skills and in the administration and interpretation of basic objective personality instruments.

PHARMACY AND NUTRITION

PHAR 870.3 Research Methods in Pharmacy Practice

Current description: Research methods and outcomes in pharmacy practice settings will be studied. The principles of qualitative and quantitative research are discussed in the context of patient education, adherence, disease state management and quality of life. Issues relating to primary data collection in health care settings and administrative databases will be considered.

Proposed Description: PHAR 870 focuses on research design, critical appraisal, and outcome assessment in a clinical/applied health services context. Upon completion of the course, the student will be able to interpret common analytic procedures and designs to gain knowledge from primary research studies.

PHAR 990.0 Seminar

Current Description: Papers and discussion on recent developments in pharmaceutical fields. Graduate students are required to attend and to take part in the seminars.

Proposed Description: All graduate students are required to attend and contribute to PHAR 990 seminars and an annual research event. Guest speakers and professional development opportunities are provided to engage students in growth of scientific- and career-based skills.

NUTR 811.3 Advances in Public Health Nutrition Research

Current Description: Concepts and recent advances in a variety of topics in the domain of Public Health Nutrition are described and discussed with emphasis on evaluating nutritional status at population level and on community-based nutrition interventions. The course is instructed in three sections including 1) Nutritional epidemiology, 2) Community engagement and capacity building in global health and nutrition research, and 3) The application of qualitative research in nutritional health research. Students will learn through a combination of faculty lectures and student presentations, assignments, practice on data analyses and interpretation, and papers in a self-directed study format.

Proposed Description: Concepts and recent advances in a variety of topics in the domain of Public Health Nutrition are described and discussed with emphasis on evaluating nutritional status at population level and on community-based nutrition interventions. The course is instructed in three sections including 1) Nutritional epidemiology, 2) Community engagement and capacity building in nutrition research, and 3) The application of qualitative research in nutritional health research. Students will learn through a combination of faculty lectures and student presentations, assignments, practice on data analyses and interpretation, and papers in a self-directed study format.

NUTR 990.0 Seminar

Current Description: Staff and graduate students present papers and discuss current research topics at meetings held regularly throughout the year. Graduate students under the direction of the Division are required to attend these seminars.

Proposed Description: All graduate students are required to attend and contribute to NUTR 990 seminars and an annual research event. Guest speakers and professional development opportunities are provided to engage students in growth of scientific- and career-based skills.

APPLIED MICROBIOLOGY

APMC 830.3 Advanced Environmental Microbiology

Proposed Note: Offered in alternate years

APMC 898.3 Special Topics and Techniques

Proposed Prerequisite(s): Permission from Department Head

Proposed Note: Offered annually

APMC 990.0 Seminar

Proposed Terms offered: 1 & 2

Hour per week: 1L

Proposed Note: Offered annually

FOOD SCIENCE

FDSC 808.3 Professional Skills in Scientific Communication

Proposed Note: Offered annually

FDSC 851.3 Advanced Food Proteins II

Proposed Note: Offered in alternate years

FDSC 871.13 — Biotechnology in Food Chain

Current title: Biotechnology in Food Chain

Proposed title: Biotechnology in the Food Chain

FDSC 888.3 Nutrigenomics Nutrient-Genome Interactions

Correction: This course in nutrigenomics discusses nutrient: gene interactions. The course focuses on modern advances in knowledge related to how nutrient from the food we eat interacts with our genetic material and how this impact health and lifespan. This course will provide ~~in-depth~~ **in-depth** information into modern techniques in genomics as well as a discussion of how small changes in the genetic code leads to changes in our bodies ~~interpret~~ **“interpret”** incoming nutrients.

FDSC 898.3 Special Topics

Proposed Prerequisite(s): Permission from Department Head.

Proposed Note: Offered annually.

FDSC 990.0 Seminar

Proposed Terms offered: 1 & 2

Hour per week: 1L

Proposed Note: Offered annually

SOIL SCIENCE**SLSC 842.3 Soil Microbiology**

Current Description: Lectures and reading on recent advances in soil microbiology. Discussions of transformations of plant nutrients and soil humic compounds by microorganisms in soil, microbial growth, and plant-microbe interactions.

Proposed Description: Lectures and reading on recent advances in soil microbiology. Discussions of soil biogeochemistry and microbial community assembly in soil and plant-microbe interactions. Review of common methods to study microbial abundance, community structure and function.

College of Law:

Minor JD Program Revision to University Course Challenge (UCC) for approval November 2025

The following has been approved by the college is being proposed to University Course Challenge for approval:

Proposed Change: To add LAW 246.0 as a required course to the first year of the JD program. The course is as follows:

LAW 246.0: Professionalism and Perspectives in Law

As part of implementing the Truth and Reconciliation Commission of Canada's Call to Action #28 for law schools, this course provides students with an introduction to social theory, legal doctrine and skills development pertinent to human rights protection, anti-racism and anti-oppression, as well as intercultural humility in Canada.

Restriction(s): Students must be enrolled in Year 1 of the J.D. program, or be a transfer student who has permission of the Associate Dean Academic to take the course.

Rationale: The addition of LAW 246 *Professionalism and Perspectives in Law* to the JD program of study is a part of the Truth and Reconciliation Commission of Canada's Call to Action #28 for law schools.

Date approved by the College of Law: December 4, 2024

Implementation date: May 1, 2026 if approved at UCC

Current first year JD requirements	Proposed first year JD requirements
Year 1 (30 credit units) To complete first year, students must pass LAW 245.2 Legal Research and Writing (with a grade of 60% or better), LAW 244.0 Dispute Resolution, and each of the following courses. In addition, students must achieve	Year 1 (30 credit units) To complete first year, students must pass LAW 245.2 Legal Research and Writing (with a grade of 60% or better), LAW 244.0 Dispute Resolution, LAW 246.0 Professionalism and Perspectives*, and each of the following courses. In addition,

an annual average of 64% or better:

- [LAW 202.5](#) Contracts
- [LAW 203.5](#) Criminal Law
- [LAW 210.5](#) Property I
- [LAW 211.5](#) Tort Law I
- [LAW 230.5](#) Constitutional Law
- [LAW 232.3](#) Kwayeskastasowin
Setting Things Right

students must achieve an annual average of 64% or better:

- [LAW 202.5](#) Contracts
- [LAW 203.5](#) Criminal Law
- [LAW 210.5](#) Property I
- [LAW 211.5](#) Tort Law I
- [LAW 230.5](#) Constitutional Law
- [LAW 232.3](#) Kwayeskastasowin
Setting Things Right

*or equivalent as approved by the
Associate Dean, Academic

University Course Challenge – November 2025

The following curricular changes were approved by the College of Pharmacy and Nutrition, Pharmacy Program Advisory Committee on October 7, 2025 and the Nutrition Program Advisory Committee on November 6, 2025 and are being submitted to the November 2025 University Course Challenge for approval.

Contact: Charity Evans (charity.evans@usask.ca)

DOCTOR OF PHARMACY

Minor Program Change

Addition of COMM 225.3 *Introduction to Accounting and Financial Literacy for Entrepreneurs* as an approved elective for Year 2 or Year 3 of the PharmD program. Note that this program change will not apply to the PharmD/MBA program, as students in that program do not take electives through the PharmD curriculum.

Rationale

This introductory course is designed for non-Edwards School of Business students who will use accounting information in their workplace but are not primarily responsible for its preparation. This course would be of benefit to pharmacy students who intend to pursue ownership or management opportunities and complements existing courses in the PharmD curriculum.

The College of Pharmacy and Nutrition consulted with the Edwards School of Business (Christina Dolan, Director of Undergraduate Programs and Career Services) regarding this change, and no concerns were identified.

The curriculum change will be implemented in 2026-2027.

Doctor of Pharmacy (Pharm.D.) (170 credit units)

Year 1 (49 credit units)

Fall Term

- [PHAR 110.3](#) Introduction to Pharmacy and the Health Care System
- [PHAR 121.3](#) Foundational Sciences 1: Foundational Pathophysiology & Pharmacology
- [PHAR 122.3](#) Foundational Sciences 2: Medicinal Chemistry and Physical Pharmacy
- [PHAR 153.4](#) Self-Care 1: Non-prescription Pharmaceuticals and Supplies
- [PHAR 162.3](#) Pharmacy Practice 1: The Patient Care Process
- [PHAR 170.3](#) Pharmacy Skills Development 1
- [PHAR 190.0](#) Introduction to Year 1
- [PHAR 191.1](#) IPE Activities

Winter Term

- [PHAR 111.1](#) Foundations for Practice: Pharmacy Mathematics and Calculations
- [PHAR 112.1](#) Pharmacy Law
- [PHAR 123.3](#) Foundational Sciences 3: Foundational Pathophysiology and Pharmacology
- [PHAR 124.3](#) Foundational Sciences 4: Introduction to Pharmaceuticals
- [PHAR 152.6](#) Pharmacotherapeutics 1
- [PHAR 154.3](#) Self-Care 2: Non-prescription Pharmaceuticals and Supplies
- [PHAR 171.3](#) Pharmacy Skills Development 2
- [PHAR 192.1](#) IPE Activities

Fall and Winter Terms

- [PHAR 188.2](#) Experiential Learning 1
- [PHAR 189.2](#) Service Learning
- [PHAR 193.0](#) Capstone Year 1

Spring and Summer Terms

- [PHAR 185.4](#) Experiential Learning Introductory Pharmacy Practice Experience Community

Year 2 (47 credit units)**Fall Term**

- [PHAR 224.3](#) Science of Pharmacotherapy 1: Pharmaceutics and Pharmaceutical Biotechnology
- [PHAR 226.3](#) Foundational Sciences 5 Pharmacokinetics and Biopharmaceutics
- [PHAR 253.6](#) Pharmacotherapeutics 2
- [PHAR 262.1](#) Pharmacy Practice 2
- [PHAR 271.3](#) Evidence Based Medicine
- [PHAR 272.3](#) Pharmacy Skills Development 3
- [PHAR 290.0](#) Introduction to Year 2
- [PHAR 291.1](#) IPE Activities

Winter Term

- 3 credit units of electives, as approved by the College of Pharmacy and Nutrition*
- [PHAR 212.1](#) Pharmacy Ethics
- [PHAR 213.3](#) Management 1
- [PHAR 225.3](#) Science of Pharmacotherapy 2: Clinical Applications
- [PHAR 255.6](#) Pharmacotherapeutics 3
- [PHAR 263.1](#) Pharmacy Practice 3
- [PHAR 273.3](#) Pharmacy Skills Development 4
- [PHAR 292.1](#) IPE Activities

Fall and Winter Terms

- [PHAR 288.2](#) Experiential Learning 2
- [PHAR 293.0](#) Capstone Year 2

Spring and Summer Terms

- [PHAR 285.4](#) Experiential Learning Introductory Pharmacy Practice Experience Hospital

Year 3 (42 credit units)**Fall Term**

- [PHAR 324.3](#) Science of Pharmacotherapy 3: Toxicology
- [PHAR 350.3](#) Pharmacotherapy in Special Populations
- [PHAR 358.6](#) Pharmacotherapeutics 4
- [PHAR 367.1](#) Pharmacy Practice 5
- [PHAR 370.3](#) Complex Cases
- [PHAR 374.3](#) Pharmacy Skills Development 5
- [PHAR 390.0](#) Introduction to Year 3
- [PHAR 391.1](#) IPE Activities

Winter Term

- 3 credit units of electives, as approved by the College of Pharmacy and Nutrition*
- [PHAR 315.3](#) Issues in Health Care and Pharmacy Practice
- [PHAR 359.6](#) Pharmacotherapeutics 5
- [PHAR 368.1](#) Pharmacy Practice 6
- [PHAR 375.3](#) Pharmacy Skills Development 6
- [PHAR 392.1](#) IPE Activities
- [PHAR 395.3](#) Disease State Management Review and Update

Fall and Winter Terms

- [PHAR 388.2](#) Experiential Learning 3
- [PHAR 393.0](#) Capstone Year 3

Year 4 (32 credit units)

- [PHAR 481.8](#) Experiential Learning Advanced Pharmacy Practice Experience 1 Hospital
- [PHAR 482.8](#) Experiential Learning Advanced Pharmacy Practice Experience 2 Community
- [PHAR 483.8](#) Experiential Learning Advanced Pharmacy Practice Experience 3 Other Direct Patient Care
- [PHAR 484.8](#) Experiential Learning Advanced Pharmacy Practice Experience 4 Elective Practice or PHAR 485.4 and PHAR 486.4
- [PHAR 490.0](#) Introduction to Year 4
- [PHAR 493.0](#) Capstone Year 4

*Non-PHAR elective includes COMM 225.3.

BACHELOR OF SCIENCE IN NUTRITION

New Course Proposal

NUTR 290.0 Introduction to Year 2

This course will provide students with updates related to the College of Pharmacy and Nutrition and the BSc(Nutr) program and provide an overview of Year 2. Students will recognize the elements and requirements of the courses and experiential education in which they will participate in the upcoming year. It will also provide students with an opportunity to complete some of the mandatory training required as part of the program.

Restriction(s): Students must have completed Year 1 of the B.Sc.(Nutr.) program.

Minor Program Revisions

Add: NUTR 290.0 to Year 2

Rationale:

This course will provide students with important updates related to the College of Pharmacy and Nutrition and the BSc(Nutr) program. It will also provide students with an opportunity to complete some of the mandatory training required in the program, rather than taking class time in other courses as is happening currently. By creating a course that includes the completed mandatory training as a course requirement, it allows the College a way to ensure the training is completed (i.e., students are not able to progress in the program until the course is completed).

The curriculum change will be implemented in 2026-2027.

Bachelor of Science in Nutrition [B.Sc (Nutr.)] (132 credit units)

Year 1

33 credit units

- [BMSC 200.3](#) Biomolecules
- [BMSC 207.3](#) Human Body Systems I and [BMSC 208.3](#) Human Body Systems II (formerly [PHSI 208.6](#))
- [BMSC 230.3](#) Metabolism
- INDG 107.3 Introduction to Canadian Indigenous Studies
- [FABS 110.3](#) The Science of Food

- [NUTR 120.3](#) Basic Nutrition
- NUTR 190.0 Introduction to the B.Sc.(Nutr.) Program
- NUTR 191.0 IPE Activities
- NUTR 192.0 IPE Activities
- NUTR 210.3 Food Fundamentals and Preparation
- [NUTR 221.3](#) Advanced Nutrition Micronutrients
- [NUTR 230.3](#) Professional Practice I
- [PLSC 214.3](#) Statistical Methods
- Basic food safety training certificate

Year 2

36 credit units

- [BMSC 210.3](#) Microbiology
- COMM 225.3 Introduction to Accounting and Financial Literacy for Entrepreneurs
- **NUTR 290.0 Introduction to Year 2**
- NUTR 291.0 IPE Activities
- NUTR 292.0 IPE Activities
- [NUTR 305.3](#) Research Methods
- NUTR 201.3 Food Culture and Human Nutrition
- [NUTR 321.3](#) Advanced Nutrition Macronutrients and Energy
- [NUTR 322.3](#) Nutrition Throughout the Lifespan
- [NUTR 330.3](#) Professional Practice II
- [NUTR 350.3](#) Introduction to Public Health and Community Nutrition
- [NUTR 365.3](#) Quantity Food Production and Service
- [NUTR 366.3](#) Food Service Management Practicum*
- [PATH 205.3](#) Survey of Pathology

*offered in Spring and Summer terms

Unrestricted Electives

- Choose 3 credit units of unrestricted electives

Year 3

33 credit units

- NUTR 391.0 IPE Activities
- NUTR 392.0 IPE Activities
- [NUTR 420.3](#) Current Issues in Nutrition
- [NUTR 425.3](#) Nutritional Assessment
- [NUTR 430.3](#) Professional Practice III
- [NUTR 441.3](#) Clinical Nutrition I
- [NUTR 442.3](#) Clinical Nutrition II
- [NUTR 450.3](#) Nutrition Program Planning and Evaluation
- [NUTR 466.3](#) Organization and Management of Nutrition Services
- Advanced food safety training instruction

Unrestricted Electives

- Choose 12 credit units of unrestricted electives

Year 4

30 credit units

- NUTR 533.6 Nutrition Care I
- NUTR 534.6 Nutrition Care II

- NUTR 535.6 Food Provision Management and Leadership
- NUTR 536.6 Population Health Promotion
- NUTR 537.3 Dietetic Research
- NUTR 538.3 Selected Topics in Practical Dietetic Education and Training
- Successful completion of the practicum