UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

SENATE MEETING
OPEN SESSION
MINUTES

May 28, 2025
3:30 – 5:00 PM
Senate Chambers

Present: J. Bankole, C. Barreira, C. Brown, D. Casperson, J. Crandall, B. Deo, K. Fredj, R. Fonda, T. Fyfe, M. Groulx, J. Hirt, C. Hofsink, N. Hanlon, C. Ho Younghusband, A. Jamwal, L. Lakhani, T. Klassen-Ross, A. Kranz, N. Koper, A. LaMalice D. Litz, M. Mandy, S. MacKay, K. Monu, N. Neufeld, D. Nyce, B. Owen, A. Parent (Recording Secretary), M. Parkes, G. Payne (Chair), R. Ramzan, K. Read (Secretary of Senate), K. Rennie, D. Roberts, P. Siakaluk (non-voting), R. Somani (non- voting), K. Stathers, M. Tavares, G. Wilson, S. Wilson, T. Whitcombe, P. Wood-Adams,
Regrets: D. Brown, R. Camp II, S. Dey, M. Gehloff (Vice Chair), M. Lolariya, H. Kazemian, D. McIntosh, R. Noonan, P. Prince, R. Singh, F. Tong, T. Watters,

The Senate Meeting began at 3:35pm.

The Chair reported the following Acting Officers:

Dr. Kafui Monu will be the acting officer for Dean Camp, Dean, Business and Economics.

NBCGSS Director of Indigenous Students Affair, Alana LaMalice will be the acting officer for the Chairperson NBCGSS.

The Chair reported one Faculty Senator vacancy for a Faculty Member from the Faculty of Indigenous Studies, Social Science and Humanities.

The Chair acknowledged that he is joining the meeting from the traditional territory of the Lheidli T'enneh and welcomed other Senators to acknowledge the ancestral and traditional territories of their locations.

Acknowledgement of Territory

For thousands of years, Indigenous Peoples have walked gently on the diverse traditional territories where the University of Northern British Columbia community is grateful to live, work, learn, and play. We are committed to building and nurturing relationships with Indigenous peoples, we acknowledge their traditional lands.

1.0 **S-202505.04**
Approval of the Agenda
Groulx
That the agenda for May 28, 2025, Open Session of Senate be approved as presented.

Item S-202505.06 - Approval of the Minutes from May 7 was removed from the agenda to be properly formatted.

CARRIED as amended

2.0 **Presentation:** No presentation. Senate Student Leadership Awards to be presented at 3pm in McCaffray Hall Atrium.

3.0 **Approval of the Minutes**

S-202505.05

Approval of the Minutes
Hofsink
That the Minutes for May 1, 2025, Open Session of Senate be approved as presented.
Carried

4.0 Business Arising

No business arising.

5.0 President's Report — Payne

The President reported on the following:

- The Steering Committee of Senate has discussed having written reports starting in August, for the President's report, Provost Report and Registrar's Report.
- The UNBC Accessibility Plan and highlighted the success of our National Accessibility Week event, emphasizing the importance of UMBC's accessibility plan and the powerful testimony from a student with accessibility challenges.
- The National Building Reconciliation Forum in Regina.
- Community engagement initiatives.
- The Provost search is in the long-list interview phase, with short-list candidates to be invited to campus soon.
- The CUFA Gala in Victoria, where faculty members Phil Owens and Ellen Pettigrew were honored for their contributions.
- The International Trade Mission where he will join the Premier on a trade mission to Japan and Korea, representing UNBC and northern research universities. Will provide updates at the June Senate meeting.
- Budget planning and mitigation efforts continue. Despite sector-wide financial challenges (notably a $2.5 billion deficit across post-secondary institutions), UNBC remains in a relatively strong position due to strategic planning over the past 4–5 years.

6.0 Report of the Interim Provost — Owen

The Interim Provost reported on the following:

- The accessibility improvements for Convocation that ensures equal access for all participants.
- Dean Searches:
    - the Faculty of Indigenous Studies, Social Sciences & Humanities is currently in the long-list phase, with shortlisting to follow soon.
    - the Faculty of Business & Economics has concluded their Dean renewal process and an announcement is expected shortly.
    - the Faculty of Science & Engineering, the search committee has been struck and is being populated.
- The Faculty Recognition event that was held to honor and celebrate the Professor Emeriti and Excellence Award recipients.

7.0 Report of the Registrar — Read

7.1 Senate Enrolment Update Schedule

The Proposed Senate Enrolment Update Schedule was provided. The schedule is to ensure timely, detailed, and contextual enrolment updates are provided to Senate throughout the academic year.

October Senate
- Current Fall: Final enrolment results (based on Fall add/drop data).
- Upcoming Winter: Application, admission, and enrolment progress (based on Fall add/drop or October 1 data).

- Previous Summer: Final enrolment results (based on September 1 or Fall add/drop data).

March Senate
- Fiscal Year in Review: Comprehensive report.
- Previous Summer, Fall, Current Winter: Final enrolment summaries (based on add/drop data).
- Upcoming Fall: Application and admission progress (based on Winter add/drop or February 1 data).

May Senate
- Previous Winter: Notable changes post add/drop.
- Upcoming Fall & Winter: Application and admission updates as registration opens. May include enrolment (registration and FTE) if May 15 snapshot is available.
- Current Summer: Application, admission, and enrolment updates (based on May 1 or May 15 data).

August Senate
- Upcoming Fall & Winter: Application, admission, and enrolment updates (based on August 1 or August 15 data).

7.2 Senate Enrolment Update – May 2025 **Stark**

An enrolment update was included in the meeting package and Senior Director Stark reported on the May Enrolment update and covered the Winter 2025 (retrospective), Summer 2025 (current), and Fall 2025/Winter 2026 (prospective).
Winter 2025

8.0 Report on Regional Activities **Owen**

The Interim Provost reported that the Regional Council is actively engaging with various UNBC departments. Their focus is on assessing institutional readiness for a comprehensive and inclusive regional strategy, aligned with the Academic Plan: Ready, Roadmap 2025–2031. A report from the Council is expected to be submitted to the Office of the Provost by late June and will inform the university's regional engagement strategy for Fall 2025.

Action: Report to be shared with Senate when available.

9.0 Question Period *(10 minutes)*

9.1 Questions in advance

9.1.1 The form appears to imply that a Master's thesis must be submitted as a Word document.
https://www.unbc.ca/sites/default/files/sections/graduate-administration/masters-req-defence-02-25.pdf

1. Are there University policies, procedures, or regulations that require a student to produce a Microsoft Word based thesis?

2. If so, what is the authority that approved these regulations?

3. Publication via Microsoft Word is unusual/impossible in some disciplines. Does the University supply resources to facilitate the conversion to Microsoft Word?

(Senator Casperson)

Director Mitchell Nielsen will be providing written response.

9.1.2 UNBC's recent proposal to increase international tuition fees by 8% annually has resulted in a cost of nearly $3,000 per 3-credit course for international students. Given that this fee structure is significantly higher than those at some other institutions—where, for example, TRU is implementing a guaranteed fee model for incoming international students, UVic's increases average around 4%, and University of

Calgary's are closer to 6%—what strategies is UNBC considering to ensure that international education remains competitive and affordable? Furthermore, with viable alternatives such as online courses at institutions like Athabasca University offering more cost-effective tuition and transferable credits, how does UNBC plan to address the potential loss of international students to these options?

(Senator Lolariya)

Response from the Vice-President, Finance & Administration

UNBC remains committed to a student-first approach, balancing financial sustainability with accessibility and a high-quality academic experience. As outlined in the tuition briefing note presented to the Board of Governors in November 2024, the 8% annual increase in international undergraduate tuition, applicable to students who commenced studies after August 2021, is part of a phased strategy to reduce the significant funding gap between what domestic students contribute (through tuition and provincial grants) and what international students pay. Even after four years of these increases, international tuition will remain approximately $4,500 below the level required to achieve full funding parity.

This strategy also enhances financial predictability for students and enables sustainable academic and support services. In alignment with our student-first commitment, UNBC has expanded scholarships and bursaries to help mitigate affordability concerns, with a focus on both merit-based and need-based assistance.

While we recognize that institutions such as TRU offer guaranteed tuition models, these typically require a higher upfront tuition rate to offset the absence of annual increases. UNBC's approach spreads the cost more gradually over time, supporting affordability while maintaining our competitiveness within B.C.'s research university landscape. Ultimately, our goal is to offer a differentiated, high-quality learning environment that continues to attract and support international students in their academic and personal journeys.

9.1.3 UNBC Library's Northern BC Archives was informed in the distant past that volunteers are not permitted to assist with our initiatives. However, other initiatives at UNBC do currently use volunteers (even excluding those lead by NUGSS or other UNBC-affiliated societies). What are the guidelines about volunteers at UNBC?

1. Are UNBC students permitted to volunteer for UNBC projects/initiatives lead by UNBC faculty members or UNBC departments?
2. Are members of the public permitted to volunteer for UNBC projects/initiatives lead by UNBC faculty members or UNBC departments?
3. Are there any policy or guideline documents about volunteers on campus?

(Senator Stathers)

Senator Fyfe reported that UNBC has had community volunteers in the past. Student volunteer policies are less clear.

- Departments are responsible for managing volunteer arrangements.
- Considerations include capacity, privacy, duties, and alignment with collective agreements.
- Volunteer registration and confidentiality forms are available.

9.2 Questions from the floor

9.2.1 Senator Groulx asked to an update on the suspension of the First Nation Studies Graduate Program.

Dean Rennie reported that the program has been suspended for the fourth consecutive year due to faculty capacity constraints. Priority is being given to maintaining the undergraduate curriculum. The program is not permanently closed; strategic cohort initiatives (e.g., with WWNI) are ongoing. The decision was made recently and communicated. Consultation was limited due to urgency.

10.0 Committee Reports

10.1 Senate Committee on Student Appeals **Klassen-Ross**

No unresolved appeals to report.

10.2 Senate Committee on Academic Affairs **Owen**

"For Approval" Items:

S202505.07

New Course Approval – ECON 105-3, Introduction to Sustainability Economics
Kranz
That on the recommendation of the Senate Committee on Academic Affairs, the new course *ECON 105-3 Introduction to Sustainability Economics* be approved as proposed.
Effective Date: September 2026 or January 2027
CARRIED

Calendar Course Description: This course offers a comprehensive introduction to key principles in economics through the perspective of sustainability, examining key theories, models, and policies that balance economic growth with environmental stewardship and social equity. The course explores how economic systems interact with environmental and social factors. Students have the opportunity to develop a comprehensive understanding of sustainability economics and its application in addressing contemporary global challenges such as climate change, biodiversity loss, and economic inequality.
An executive summary – ECOSYSTEM SCIENCE MANAGEMENT was included in the meeting package.

S202505.08

Course Deletion – NREM 210-4, Integrated Resource Management
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, NREM 210-4 Integrated Resource Management be deleted.
Effective Date: September 2025
CARRIED

S202505.09

Change(s) to Program Requirements – Ecosystem Science and Management
Hanlon
That on the recommendation of the Senate Committee on Academic Affairs, the removal of NREM 210-4 Integrated Resource Management from both the Minor in Natural Resource Planning and Operations within the BSc Forest Ecology & Management, and the 200 level optional courses in the BSc Wildlife & Fisheries, and addition of ENPL 201-3 Land Policy in British Columbia or NREM 201-3 Land Policy in British Columbia, on pages 136 and 191 of the 2024/2025 undergraduate calendar, be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

[Page 136 – Forest Ecology & Management – Minor in Natural Resources Planning and Operations]

Minor in Natural Resources Planning and Operations

The Natural Resources Planning and Operations minor is designed for students primarily interested in planning and operations (and their governing policies) related to the management of forested and non-forested lands.

Students will learn about natural resource policy, forest-management planning and operations, environmental impacts of management practices, forest productivity and timber supply, and resource sustainability, along with current computer-based management tools. It is strongly recommended that students taking this minor have a background in forest ecology and management.

The minor in Natural Resources Planning and Operations requires the completion of 19 credit hours, of which 12 credit

hours must be upper division (i.e., 300 or 400 level). Courses used to fulfill major requirements may not be applied toward the minor in Forest Planning and Operations. Students must ensure that all prerequisites are fulfilled prior to registering in any course.

Required Courses

~~NREM 210-4 Integrated Resource Management~~
ENPL 201-3 Land Policy in British Columbia
or NREM 201-3 Land Policy in British Columbia
FSTY 403-3 Timber Harvest Planning and Operations

[Page 191 – Wildlife and Fisheries – 200 level course requirements]

200 Level
BIOL 201-3 Ecology
BIOL 210-3 Genetics
CHEM 220-3 Organic and Biochemistry
FSTY 201-3 Forest Plant Systems
or BIOL 301-3 Systematic Botany
FSTY 205-3 Introduction to Soil Science
FSTY 207-1 Terrestrial Ecological Classification
GEOG 204-3 Introduction to GIS
NREM 204-3 Introduction to Wildlife and Fisheries
STAT 240-3 Basic Statistics

Two of the following:
BIOL 202-3 Invertebrate Zoology
BIOL 204-3 Plant Biology
BIOL 315-3 Animal Diseases and Parasites
ENPL 201-3 Land Policy in British Columbia
or NREM 201-3 Land Policy in British Columbia
GEOG 210-3 Introduction to Earth Science
GEOG 310-3 Hydrology
~~NREM 210-4 Integrated Resource Management~~

S202505.10
Course Deletion – ENSC 435-3 Soil Biological Processes and the Environment
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, the deletion of ENSC 435-3 and the removal of its course description on page 243 of the 2024/25 PDF undergraduate calendar, be approved as proposed.
Effective Date: September 2026
CARRIED

S202505.11
Course Deletion – ENSC 635-3 Soil Biological Processes and the Environment
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, the deletion of ENSC 635-3 and the removal of its course description on page 128 of the 2024/25 PDF graduate calendar, be approved as proposed.
Effective Date: September 2026
CARRIED

Items .12 and .13 were moved as an omnibus motion.

S202505.12
New Course Approval – FSTY 435-3, Soil Biological Processes
Hanlon
That on the recommendation of the Senate Committee on Academic Affairs, the new course FSTY 435-3 Soil Biological Processes be approved as proposed.
Effective Date: January 2026

CARRIED

Calendar Course Description:
Processes at the interface between the biosphere, atmosphere, hydrosphere, and lithosphere are critical to the regulation of environmental quality on Earth. This course provides an overview of the soil habitat from a biological perspective, and how soil organisms and the processes they mediate play critical roles in a sustainable planet.
Pre-requisites: FSTY 205-3 and 3 credit hours of 100-level BIOL
Preclusions: ENSC 435-3

S202505.13
New Course Approval – FSTY 635-3, Soil Biological Processes
Hanlon
That on the recommendation of the Senate Committee on Academic Affairs, the new course FSTY 635-3 Soil Biological Processes be approved as proposed.
Effective Date: January 2026
CARRIED

Calendar Course Description:
Processes at the interface between the biosphere, atmosphere, hydrosphere, and lithosphere are critical to the regulation of environmental quality on Earth. This advanced course provides an overview of the soil habitat from a biological perspective, and how soil organisms and the processes they mediate play critical roles in a sustainable planet.
Preclusions: ENSC 435-3; ENSC 635-3; FSTY 435-3

Items .14 and .17 were moved as an omnibus motion.

S202505.14
Change(s) to Program Requirements – Ecosystem Science and Management
Tavares
That on the recommendation of the Senate Committee on Academic Affairs, ENSC 435-3 *Soil Biological Processes and the Environment* be changed to FSTY 435-3 *Soil Biological Processes and the Environment* wherever it appears in the 2024/25 PDF undergraduate calendar (on pages: 51 [BSc (Integrated) Coast Mountain College Degree Completion Program], 118 [twice: Minor in Environmental Science, and Minor in Soils and the Environment], 136 [Minor in Natural Resources Planning and Operations], 145 [twice: BSc Major in Geography, and Minor in Earth Sciences], be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

[On page 51 of the 2024/25 undergraduate PDF calendar in the BSc (Integrated) Coast Mountain College Degree Completion Program]:

Required courses for the Environmental and Earth Sciences Area of Specialization
Select 18 credit hours from the following courses:

ENPL 305-3 Environmental Impact Assessment
ENSC 308-3 Northern Contaminated Environments
ENSC 404-3 Waste Management
~~ENSC 435-3 Soil Biological Processes and the Environment~~
ENSC 452-3 Reclamation and Remediation of Disturbed Environments
FSTY 425-3 Soil Formation and Classification
FSTY 435-3 Soil Biological Processes
GEOG 311-3 Drainage Basin Geomorphology
GEOG 333-3 Geography Field School
GEOG 405-3 Fluvial Geomorphology
GEOG 411-3 Quaternary and Surficial Geology
GEOG 416-3 Mountains"

[On page 118 of the 2024/25 undergraduate PDF calendar in the Minor in Environmental

Science]:

Terrestrial Systems
ENSC 325-3 Soil Physical Processes and the Environment
~~ENSC 435-3 Soil Biological Processes and the Environment~~
ENSC 452-3 Reclamation and Remediation of Disturbed Environments
ENVE 351-4 Groundwater Flow and Contaminant Transport
FSTY 205-3 Introduction to Soil Science
FSTY 435-3 Soil Biological Processes
GEOG 210-3 Introduction to Earth Science
GEOG 311-3 Drainage Basin Geomorphology
GEOG 405-3 Fluvial Geomorphology
GEOG 411-3 Quaternary and Surficial Geology

[On page 118 of the 2024/25 undergraduate PDF calendar in the Minor in Soils and the Environment]:

Required Courses
BIOL 103-3 Introductory Biology I
BIOL 104-3 Introductory Biology II
BIOL 123-1 Introductory Biology I Laboratory
BIOL 124-1 Introductory Biology II Laboratory
CHEM 100-3 General Chemistry I
CHEM 101-3 General Chemistry II
CHEM 120-1 General Chemistry Lab I
CHEM 121-1 General Chemistry Lab II
ENSC 307-3 Introduction to Geochemistry
ENSC 325-3 Soil Physical Processes and the Environment
~~ENSC 435-3 Soil Biological Processes and the Environment~~
FSTY 205-3 Introduction to Soil Science
FSTY 425-3 Soil Formation and Classification
FSTY 435-3 Soil Biological Processes

[On page 136 of the 2024/25 undergraduate PDF calendar in the Minor in Natural Resources Planning and Operations]:

Required Courses
FSTY 403-3 Timber Harvest Planning and Operations
NREM 210-4 Integrated Resource Management

Four of the following courses (with no more than two courses from any single program [e.g., ENPL]):
BIOL 325-3 Ecological Analyses
BIOL 413-3 Wildlife Management
ECON 305-3 Environmental Economics and Environmental Policy
ECON 411-3 Cost-Benefit Analysis
ENPL 105-3 Principles and Practices of Planning
ENPL 304-4 Community Engagement and Inclusion Studio
ENPL 305-3 Environmental Impact Assessment
ENPL 410-3 Land Use Planning
ENPL 411-3 Planning Theory, Process and Implementation
ENVS 326-3 Public Engagement for Sustainability
FSTY 310-3 Forest Economics
FSTY 405-3 Forest Ecosystem Modelling
FSTY 415-3 Forest Soils
FSTY 435-3 Soil Biological Processes
GEOG 357-3 Introduction to Remote Sensing
GEOG 413-3 Advanced GIS
GEOG 457-3 Advanced Remote Sensing
NREM 306-3 Society, Policy and Administration

NREM 409-3 Conservation Planning
NREM 410-3 Watershed Management
NREM 413-3 Agroforestry
ORTM 305-3 Protected Area Planning and Management

[On page 145 of the 2024/25 undergraduate PDF calendar in the BSc Major in Geography]:

Soil Science
The Soil Science specialization focuses on the physical, chemical, and biological processes which regulate the formation, maintenance, and restoration of the Earth's range of soils.

Choose four of the following:
ENSC 325-3 Soil Physical Processes and the Environment
ENSC 404-3 Waste Management
~~ENSC 435-3 Soil Biological Processes and the Environment~~
ENSC 452-3 Reclamation and Remediation of Disturbed Environments
ENVE 351-4 Groundwater Flow and Contaminant Transport
FSTY 415-3 Forest Soils
FSTY 425-3 Soil Formation and Classification
FSTY 435-3 Soil Biological Processes
GEOG 411-3 Quaternary and Surficial Geology

[On page 145 of the 2024/25 undergraduate PDF calendar in the Minor in Earth Sciences]:

Soil Science
ENSC 325-3 Soil Physical Processes and the Environment
~~ENSC 435-3 Soil Biological Processes and the Environment~~
FSTY 415-3 Forest Soils
FSTY 425-3 Soil Formation and Classification
FSTY 435-3 Soil Biological Processes

S202505.15
Course Deletion – ORTM 400-3 Conservation Area Design and Management
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, ORTM 400-3 Conservation Area Design and Management be deleted.
Effective Date: September 2025
CARRIED

S202505.16
Course Deletion – ORTM 600-3 Conservation Area Design and Management
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, ORTM 600-3 Conservation Area Design and Management be deleted.
Effective Date: September 2025
CARRIED

S202505.17

Change(s) to Program Requirements – Ecosystem Science and Management

Tavares
That on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the calendar entries and course requirements for the degrees of Conservation Science and Practice (BSc Program), on pages 83 and 84, and of Nature-Based Tourism Management (BA Program), on pages 162-166 of the 2024-2025 undergraduate calendar be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

[Below is a list of all instances within the BA Nature-based Tourism Management or BSc Conservation Science & Practice degrees where we will remove ORTM 400 and substitute ORTM 415, or where we wish to add ORTM 415 to existing course options.]

[pg. 83 BSc Conservation Science & Practice, Major in Wildland Conservation and Recreation Upper-Division Requirement]

Upper-Division Requirement

400 Level
BIOL 411-3 Conservation Biology
NREM 400-4 Natural Resources Planning
NREM 409-3 Conservation Planning
~~ORTM 400-3 Conservation Area Design and Management~~
ORTM 415-3 Conservation, Culture, and Society

[pg. 84 BSc Conservation Science & Practice, Major in Landscape Conservation and Management. Upper-Division Requirements]

400 Level
BIOL 409-3 Conservation of Aquatic Ecosystems
or ENSC 425-3 Climate Change and Global Warming
BIOL 411-3 Conservation Biology
ENPL 401-3 Environmental Law
ENVS 414-3 Environmental and Professional Ethics
FSTY 405-3 Forest Ecosystem Modelling
or ENSC 406-3 Environmental Modelling
NREM 400-4 Natural Resources Planning
NREM 409-3 Conservation Planning
~~ORTM 400-3 Conservation Area Design and Management~~
ORTM 415-3 Conservation, Culture, and Society

[pg. 162 in BA Nature-based Tourism Management, Common Degree Requirement]

400 Level
A minimum of 9 ~~Nine~~ credit hours from the following:
ORTM 305-3 Protected Area Planning and Management
~~ORTM 400-3 Conservation Area Design and Management~~
ORTM 401-3** The Culture of Adventure
ORTM 405-3** Leadership Praxis
ORTM 409-3** Critical Approaches to Outdoor Recreation Activities
ORTM 415-3 Conservation, Culture, and Society
ORTM 433-(1-6) Field School II
ORTM 440-(2-6) Internship
ORTM 498-(1-3) Special Topics
ORTM 499-(1-6) Independent Study

**Note: Students should note some senior-level ORTM classes are offered in alternating years.

[pg. 163 BA Nature-based Tourism Management; Communities & Tourism Area of Specialization]

Communities and Tourism

FNST 100-3 The Aboriginal Peoples of Canada
or HIST 215-3 Global History of Indigenous People
FNST 203-3 Introduction to Traditional Ecological Knowledge
or GEOG 206-3 Social Geography

One of the following:
ENPL 208-4 Land and Indigenous Reconciliation Studio
ENPL 313-3 Rural Community Economic Development (CED)

ENVS 210-3 Environmental Perspectives
FNST 217-3 Contemporary Challenges Facing Aboriginal Communities
GEOG 305-3 Political Ecology: Environmental Knowledge and Decision-Making
GEOG 306-3 Critical Development Geographies
GEOG 324-3 Community-Based Research

Two of the following:
BIOL 350-3 Ethnobotany
ENPL 301-3 Sustainable Communities: Structure and Sociology
ENPL 409-4 Indigenous Planning Studio
GEOG 403-3 Indigenous Geographies of Climate Resilience
GEOG 420-3 Environmental Justice
GEOG 424-3 Northern Communities
GEOG 426-3 Geographies of Culture, Rights and Power
HIST 390-3 History of Indigenous People of Canada
INTS 240-3 Contemporary Circumpolar North
NORS 321-3 Peoples and Cultures of the Circumpolar World 1
POLS 332-3 Community Development
WMST 209-3 Gender and Cultural Studies: An Introduction

One of the following:
ORTM 307-3** Land Relations and Communities in Recreation and Tourism
ORTM 405-3** Leadership Praxis
ORTM 415-3 Conservation, Culture, and Society

[pg. 163 BA Nature-based Tourism Management; Environment and Society Area of Specialization]

Environment and Society

ENPL 205-3 Environment and Society
or ENPL 208-4 Land and Indigenous Reconciliation Studio
or ENVS 210-3 Environmental Perspectives
ENVS 101-3 Introduction to Environmental Citizenship
ORTM 415-3 Conservation, Culture, and Society

One of the following:
GEOG 204-3 Introduction to GIS
GEOG 205-3 Cartography and Geomatics

One of the following:
ENPL 304-4 Community Engagement and Inclusion Studio
ENVS 326-3 Public Engagement for Sustainability
NREM 306-3 Society, Policy and Administration

~~Two~~ One of the following:
ANTH 405-3 Landscapes, Place and Culture
ENPL 301-3 Sustainable Communities: Structure and Sociology
ENVS 309-3 Gender, Environment and Sustainability
GEOG 305-3 Political Ecology: Environmental Knowledge and Decision-Making
GEOG 420-3 Environmental Justice
GEOG 424-3 Northern Communities
HIST 421-(3-6) Topics in Environmental History

[On PDF pg. 164 BA Nature-based Tourism Management - Diploma Completion]

Upper-Division Requirement (21 credit hours)

FNST 304-3 Indigenous Environmental Philosophy
or NREM 303-3 Aboriginal Perspectives on Land and Resource Management

ORTM 300-3 Recreation and Tourism Impacts
ORTM 333-3 Field School

A minimum of 12 ~~Twelve~~ credit hours of the following:
ORTM 305-3 Protected Area Planning and Management
ORTM 307-3* Land Relations and Communities in Recreation and Tourism
ORTM 332-3 Outdoor, Environmental, and Experiential Education
~~ORTM 400-3 Conservation Area Design and Management~~
ORTM 401-3* The Culture of Adventure
ORTM 405-3* Leadership Praxis
ORTM 409-3* Critical Approaches to Outdoor Recreation Activities
ORTM 415-3 Conservation, Culture, and Society
ORTM 433-(1-6) Field School II
ORTM 440-(2-6) Internship
ORTM 498-(1-3) Special Topics

[On PDF pg. 165 in BA Nature-based Tourism Management - Diploma Completion: Communities & Tourism AoS and Environment & Society AoS]

Communities and Tourism

FNST 100-3 The Aboriginal Peoples of Canada
or HIST 215-3 Global History of Indigenous People
FNST 203-3 Introduction to Traditional Ecological Knowledge
or GEOG 206-3 Social Geography

One of the following:
ENPL 208-4 Land and Indigenous Reconciliation Studio
ENPL 313-3 Rural Community Economic Development (CED)
ENVS 210-3 Environmental Perspectives
FNST 217-3 Contemporary Challenges Facing Aboriginal Communities
GEOG 305-3 Political Ecology: Environmental Knowledge and Decision-Making
GEOG 306-3 Critical Development Geographies
GEOG 324-3 Community-Based Research

Two of the following:
BIOL 350-3 Ethnobotany
ENPL 301-3 Sustainable Communities: Structure and Sociology
ENPL 409-4 Indigenous Planning Studio
GEOG 403-3 Indigenous Geographies of Climate Resilience
GEOG 420-3 Environmental Justice
GEOG 424-3 Northern Communities
GEOG 426-3 Geographies of Culture, Rights and Power
HIST 390-3 History of Indigenous People of Canada
INTS 240-3 Contemporary Circumpolar North
NORS 321-3 Peoples and Cultures of the Circumpolar World 1
POLS 332-3 Community Development
WMST 209-3 Gender and Cultural Studies: An Introduction

One of the following:
ORTM 307-3** Land Relations and Communities in Recreation and Tourism
ORTM 405-3** Leadership Praxis
ORTM 415-3 Conservation, Culture, and Society

[pg. 165 in BA Nature-based Tourism Management - Diploma Completion: Environment & Society AoS]

Environment and Society

ENPL 205-3 Environment and Society
or ENPL 208-4 Land and Indigenous Reconciliation Studio

or ENVS 210-3 Environmental Perspectives
ENVS 101-3 Introduction to Environmental Citizenship
ORTM 415-3 Conservation, Culture, and Society

One of the following:
GEOG 204-3 Introduction to GIS
GEOG 205-3 Cartography and Geomatics

One of the following:
ENPL 304-4 Community Engagement and Inclusion Studio
ENVS 326-3 Public Engagement for Sustainability
NREM 306-3 Society, Policy and Administration

~~Two~~ One of the following:
ANTH 405-3 Landscapes, Place and Culture
ENPL 301-3 Sustainable Communities: Structure and Sociology
ENVS 309-3 Gender, Environment and Sustainability
GEOG 305-3 Political Ecology: Environmental Knowledge and Decision-Making
GEOG 420-3 Environmental Justice
GEOG 424-3 Northern Communities
HIST 421-(3-6) Topics in Environmental History

[On PDF pg. 166 in Minor in Outdoor Recreation and Tourism Management]

Elective Courses

A minimum of 9 ~~Nine~~ credit hours from the following list, with a minimum of 6 credit hours at the 400 level:
ORTM 305-3 Protected Area Planning and Management
ORTM 307-3 Land Relations and Communities in Recreation and Tourism
ORTM 332-3 Outdoor, Environmental, and Experiential Education
ORTM 401-3 The Culture of Adventure
ORTM 405-3 Leadership Praxis
ORTM 409-3 Critical Approaches to Outdoor Recreation Activities
ORTM 415-3 Conservation, Culture, and Society

An executive summary – GEOGRAPHY was included in the meeting package.

Items .18 and .19 were moved as an omnibus motion.

S202505.18
Change(s) to Program Requirements – Major in Geography (BSc)
Fredj
That on the recommendation of the Senate Committee on Academic Affairs, the changes to the program requirements for the Major in Geography (BSc) on page 143 -145 of the 2024/25 undergraduate calendar, be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

Geography (BSc Program)

Major in Geography

This degree focuses on geography as an earth science, with introductions to biology, chemistry, mathematics and physics, followed by upper-level courses in climatology, hydrology, geomorphology, soils and weathering, and geomatics. This combination enables the understanding of the interactions between the atmosphere, lithosphere, hydrosphere, and biosphere, aided by the use of statistical techniques, mapping, remote sensing, and geographic information systems. Courses develop applied field and technical skills for associated career paths.

Undergraduate students are required to take a minimum of 13 Geography courses (37 credit hours). Of these courses, a minimum of six must be upper division. Students are required to take a minimum of 24 credit hours of elective science courses, of which 15 credit hours must be upper division. Additional electives, as necessary, are required to ensure the completion of a minimum of 120 credit hours.

The minimum requirement for completion of a Bachelor of Science with a major in Geography is 120 credit hours.

Program Requirements

Lower-Division Requirement

100 Level
BIOL 104-3 Introductory Biology II
BIOL 124-1 Introductory Biology II Laboratory
CHEM 100-3 General Chemistry I
CHEM 101-3 General Chemistry II
CHEM 120-1 General Chemistry Lab I
CHEM 121-1 General Chemistry Lab II
GEOG 101-3 Planet Earth
GEOG 102-3 Earth from Above
GEOG 111-1 Earth and Environment
MATH 100-3 Calculus I
    or MATH 152-3 Calculus for Non-majors
PHYS 100-4 Physics for Life Sciences I
    or PHYS 110-4 Introductory Physics I: Mechanics

200 Level
ENSC 201-3 Weather and Climate
FSTY 205-3 Introduction to Soil Science
GEOG 200-3 British Columbia: People and Places
GEOG 204-3 Introduction to GIS
    or GEOG 205-3 Cartography and Geomatics
GEOG 210-3 Introduction to Earth Science
GEOG 211-3 Natural Hazards: Human and Environmental Dimensions
GEOG 250-3 Environmental and Geospatial Data Analysis
    or ENSC 250-3 Environmental and Geospatial Data Analysis
STAT 240-3 Basic Statistics

Upper-Division Requirement

300 Level
GEOG 300-3 Intermediate GIS
GEOG 310-3 Hydrology
GEOG 311-3 Drainage Basin Geomorphology
GEOG 315-3 Earth's Critical Zone
GEOG 357-3 Introduction to Remote Sensing

Two of the following:
    ENSC 307-3 Introduction to Geochemistry
    ENSC 312-3 Biometeorology
    ENSC 325-3 Soil Physical Processes and the Environment
        or FSTY 415-3 Forest Soils
        or FSTY 425-3 Soil Formation and Classification
    GEOG 333-3 Geography Field School

400 Level
Three of the following:
    GEOG 405-3 Fluvial Geomorphology
    GEOG 411-3 Quaternary and Surficial Geology

GEOG 413-3 Advanced GIS
GEOG 416-3 Mountains
GEOG 430-(3-6) Undergraduate Thesis
GEOG 450-3 Advanced Geospatial Analysis
GEOG 457-3 Advanced Remote Sensing
GEOG 498-(1-3) Special Topics
GEOG 499-(3-6) Independent Studies

Elective Requirement

Science Electives
A minimum of 9 ~~Nine~~ credit hours of ~~S~~science electives at any level and 15 credit hours of ~~S~~science electives at the 300 or 400 level.

Elective Science Courses

All courses allowed in~~:~~ Astronomy (ASTR), Biology (BIOL), Chemistry (CHEM), Civil Engineering (CIVE), Computer Science (CPSC), Engineering (ENGR), Environmental Science (ENSC), Environmental Engineering (ENVE), Forestry (FSTY), Health Sciences (HHSC), Mathematics (MATH), Natural Resources Management (NREM), Physics (PHYS), and Statistics (STAT)~~.~~

Anthropology
The following courses are allowed:
ANTH 200-3 Biological Anthropology
ANTH 205-3 Introduction to Archaeology
ANTH 220-3 Introduction to Primatology
ANTH 301-3 Archaeological Lab Methods
ANTH 311-3 Anthropology of Food, Drink and Health
ANTH 312-3 Human Adaptability and Environmental Stress
ANTH 420-3 Races, Racism, and Human Biology

Geography
The following courses are allowed:
GEOG 204-3 Introduction to GIS
GEOG 205-3 Cartography and Geomatics
GEOG 213-3 *Sii Aks* Volcano
GEOG 250-3 Environmental and Geospatial Data Analysis
GEOG 333-3 Geography Field School
GEOG 405-3 Fluvial Geomorphology
GEOG 411-3 Quaternary and Surficial Geology
GEOG 413-3 Advanced GIS
GEOG 416-3 Mountains
GEOG 450-3 Advanced Geospatial Analysis
GEOG 457-3 Advanced Remote Sensing

Electives and Academic Breadth
Elective~~s~~ credit hours must be taken as necessary ~~at any level in any subject sufficient~~ to ensure completion of a minimum of 120 credit hours including any additional credit hours necessary to meet the Academic Breadth requirement of the University (see Academic Regulation on *Academic Breadth*).

BSc Honours – Physical Geography

A BSc Honours in Physical Geography provides students with the opportunity to complete independent research. It is encouraged for students who are considering a postgraduate degree. In addition to the BSc Physical Geography degree requirements, Honours students must complete an undergraduate thesis chosen from GEOG 430-6 (Undergraduate Thesis), or NRES 430-6 (Undergraduate Thesis). The undergraduate thesis must be conducted under the supervision of a faculty member.

The minimum requirement for a BSc Honours degree in Geography is 126 credit hours. Students are responsible to find

their own undergraduate thesis research supervisor. However, faculty members are under no obligation to supervise Honours students. To be admitted to the Honours degree program, students must have completed 60 credit hours and obtained a minimum Cumulative GPA of 3.33. Attaining the minimum requirement does not guarantee admission into the Honours program, which is at the discretion of the Geography Program (contact the Program Chair for details). Maintenance of a Cumulative GPA of 3.33 is required to remain in the Honours program.

Areas of Specialization
In order to increase the breadth and utility of their degree, and to demonstrate an interest in a particular sub-discipline, students are encouraged to complete an Area of Specialization (normally 12 credit hours) during their degree, which can be chosen from the following list:

1. Air
2. Water
3. Earth
4. Soil Science
5. Ecogeography
6. Geospatial Science

There is no limit to the number of courses taken within a specialization that may be used to fulfill both common Geography BSc requirements and specialization requirements. ~~Courses used to fulfill the requirements for the BSc Geography major (excluding the science electives) cannot be used to fulfill the requirement of the selected Area of Specialization.~~ Students who are considering an Area of Specialization are strongly encouraged to talk to an advisor early in their second year in order to ensure that the pre-requisites are met for upper-division courses.

Air

A specialization in Air provides a deeper understanding of atmospheric processes near Earth's surface that govern the development of weather systems, regulate climate, and are implicit in environmental challenges such as climate change and air pollution.

Choose four of the following:
- ENSC 312-3 Biometeorology
- ENSC 408-3 Storms
- ENSC 412-3 Air Pollution
- ENSC 425-3 Climate Change and Global Warming
- ENSC 450-3 Environmental and Geophysical Data Analysis
- ENSC 454-3 Snow and Ice

Water

Water and water resources represent an important component of physical geography. The Water specialization provides students with courses that develop key competencies in water science.

Choose four of the following:
- BIOL 302-3 Limnology
- ENSC 202-3 Introduction to Aquatic Systems
- ENSC 450-3 Environmental and Geophysical Data Analysis
- ENSC 454-3 Snow and Ice
- ENVE 351-4 Groundwater Flow and Contaminant Transport
- GEOG 405-3 Fluvial Geomorphology

Earth

The Earth specialization provides foundational knowledge about the Earth’s materials, processes, and resources, and examines key challenges such as energy and resource availability, geological hazards, and environmental sustainability.

Choose four of the following:
- ENSC 307-3 Introduction to Geochemistry
- ENSC 325-3 Soil Physical Processes and the Environment

GEOG 213-3 *Sii Aks* Volcano
GEOG 333-3 Geography Field School
GEOG 405-3 Fluvial Geomorphology
GEOG 411-3 Quaternary and Surficial Geology
GEOG 416-3 Mountains

Soil Science

The Soil Science specialization focuses on the physical, chemical, and biological processes which regulate the formation, maintenance, and restoration of the Earth's range of soils.

Choose four of the following:
ENSC 325-3 Soil Physical Processes and the Environment
ENSC 404-3 Waste Management
ENSC 435-3 Soil Biological Processes and the Environment
ENSC 452-3 Reclamation and Remediation of Disturbed Environments
ENVE 351-4 Groundwater Flow and Contaminant Transport
FSTY 415-3 Forest Soils
FSTY 425-3 Soil Formation and Classification
GEOG 411-3 Quaternary and Surficial Geology

Ecogeography

The Ecogeography specialization combines elements of physical geography with a selection of theory and methods-based ecology courses.

BIOL 201-3 Ecology
BIOL 325-3 Ecological Analyses

Choose two of the following:
BIOL 333-3 Field School
BIOL 404-3 Plant Ecology
BIOL 410-3 Population and Community Ecology
BIOL 411-3 Conservation Biology

Geospatial Science

A specialization in Geospatial Science provides students with theoretical and practical skills necessary to analyze and visualize large geospatial datasets, and to solve geophysical problems with code-based solutions.

Choose four of the following:
ENSC 450-3 Environmental and Geophysical Data Analysis
GEOG 413-3 Advanced GIS
GEOG 450-3 Advanced Geospatial Analysis
GEOG 457-3 Advanced Remote Sensing

S202505.19
Change(s) to Program Requirements – Minor in GIS (Geographic Information Systems)
Fredj
That on the recommendation of the Senate Committee on Academic Affairs, the changes to the program requirements for the Minor in GIS (Geographic Information Systems), on page 146 of the 2024/25 undergraduate calendar, be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

Minor in GIS (Geographic Information Systems)

The aim of the minor in GIS (Geographic Information Systems) is to provide a high level of competence in a combination of courses in GIS and Computer Science technologies. Students with a minor in GIS gain experience in geographic data processing and analysis and are well-positioned for GIS-related careers.

Four required Geography courses and one Computer Science course form the core of the minor. Two additional courses can be selected from a range of options. CPSC 110-3 (Introduction to Computer Systems and Programming) and CPSC 344-3 (Data Communications and Networking) are aimed at those not majoring in Computer Science.

A maximum of two courses (6 credit hours) at or above the 200 level used to fulfill program requirements for a major or another minor may also be used to fulfill requirements for a minor in GIS.

The minimum requirement for the completion of the minor in GIS is 21 credit hours, of which at least 12 must be upper-division credit hours. Students must ensure that all prerequisites are fulfilled prior to taking courses at the 300 and 400 levels.

Requirements

CPSC 100-4 Computer Programming I
or CPSC 110-3 Introduction to Computer Systems and Programming
or GEOG 250-3 Environmental and Geospatial Data Analysis
GEOG 204-3 Introduction to GIS
GEOG 205-3 Cartography and Geomatics
or CPSC 224-3 Introduction to Database Systems
GEOG 300-3 Intermediate GIS
GEOG 357-3 Introduction to Remote Sensing

Two courses from the following list:
~~CPSC 324-3 Introduction to Database Systems~~
CPSC 344-3 Data Communications and Networking
or COMM 353-3 Business Data Communications and Networking
or CPSC 444-3 Computer Networks
GEOG 413-3 Advanced GIS
GEOG 450-3 Advanced Geospatial Analysis
GEOG 457-3 Advanced Remote Sensing

S202505.20
Course Deletion – NURS 452-6 Chronic Disease Management, Palliative Care and Wound Care
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, NURS 452-6 Chronic Disease Management, Palliative Care and Wound Care be deleted from the UNBC Undergraduate Calendar.
Effective Date: July 2025
CARRIED

S202505.21
New Course Approval – NURS 393-3 Introduction to Oncology
Parkes
That on the recommendation of the Senate Committee on Academic Affairs, the new course NURS 393-3 Introduction to Oncology be approved as proposed. Catharine Schiller
Effective Date: May 2026
CARRIED

Calendar Course Description:
This course aims to provide learners with an introduction to oncology, ensuring they become familiar with the needs of cancer patients across diverse healthcare settings. Topics include cancer biology and pathophysiology, treatment modalities, safe handling of hazardous materials, symptom and side effect management, cancer survivorship, and end-of-life care. Students gain an appreciation of the role of different healthcare professions, particularly nursing, in optimizing clinical care, supporting patient decision-making, and improving patient outcomes.

S202505.22

Memorandum of Understanding – Aurora College and UNBC
Parkes
That on the recommendation of the Senate Committee on Academic Affairs, the Memorandum of Understanding between Aurora College and the University of Northern British Columbia be approved as proposed.
Effective Date: Upon approval and execution
CARRIED

Items .23 to .25 were moved as an omnibus motion.

S202505.23
Change(s) to Course Credit Hours – ENGR 217-3, Engineering Design II
Hanlon
That on the recommendation of the Senate Committee on Academic Affairs, the changes to the credit hours for ENGR 217-3, Engineering Design II on pages 210, 234 of the 2024-2025 undergraduate calendar be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

ENGR 217-~~3~~ 4 Engineering Design II This course explores the engineering design process through project-based exercises. This course includes technical writing skills.

Prerequisite(s): Admission to an Engineering program; ENGR 117-3 with a minimum grade of C-; ENGR 270-3; STAT 271-3

CIVE 340-3 Structural Design I This course focuses on steel and wood structure design. Topics include, but are not limited to, the following: design loads for structures; properties of structural steel and structural wood; design of tension, compression, and bending members; bolted and welded connections; and use of design standards and handbooks.

Prerequisite(s): Admission to an Engineering program; CIVE 241-4; CIVE 320-3, ENGR 217-~~3~~ 4

CIVE 341-3 Structural Design II This course focuses on concrete and masonry structure design. Topics include, but are not limited to, the following: design loads for structures; properties of concrete and masonry; design of tension, compression, and bending members; connections; and use of design standards and handbooks.

Prerequisite(s): Admission to an Engineering program; CIVE 241-4; CIVE 320-3, ENGR 217-~~3~~4

CIVE 370-3 Transportation Systems This course introduces elements and operations involved in various transportation systems (air, sea, rail, road). Topics include, but are not limited to, the following: analysis of system performance; traffic stream characteristics; traffic flow theory; traffic engineering studies; intersection control; capacity and level of service of freeways and signalized intersections; the role of traffic engineering in sustainable transportation systems; highway safety; and travel demand forecasting.

Prerequisite(s): Admission to an Engineering program; ENGR 211-3; ENGR 217-~~3~~ 4

CIVE 372-3 Construction Management This course provides the knowledge required for construction managers. Topics include, but are not limited to, the following: construction methods selection; practice of construction management; contract administration and control; computer integration in administration; control and project network techniques; total quality management and the ISO framework; design of false work and formwork lifting and rigging; welding techniques and procedures; and occupational health and safety.

Prerequisite(s): Admission to an Engineering program; ENGR 211-3; ENGR 217-~~3~~ 4

ENGR 211-3 Engineering Communication This course builds on key principles of written and oral engineering communication. Content complements ENGR 217 Engineering Design II and includes correspondence, meeting minutes, memos, proposals, executive summaries, technical reports, and oral presentations.

Prerequisite(s): Admission to an Engineering program; ENGR 110-3
Pre-requisite with concurrency: ENGR 217-~~3~~4

ENGR 300-3 Sustainable Principles of Engineering This course examines the implications of a finite biosphere and the complexities inherent in environmental and civil engineering decision-making, exploring the social and biophysical context of infrastructure and the impact of technologies on people, the economy, and the environment. Topics include, but are not limited to, the following: pollution prevention; cleaner production; sustainable development; and environmental impact assessment including life-cycle assessment, total cost analysis, and environmental systems analysis.

Prerequisite(s): Admission to an Engineering program; ENGR 211-3; ENGR 217-~~3~~4; MATH 220-3

ENGR 380-3 Engineering Economics This course examines economic issues relevant to the profession of engineering. Topics include, but are not limited to, the following: quantitative analysis of engineering decision making; cash flow analysis and comparisons of alternatives; decision models, cost concepts, and accounting; depreciation and taxation; risk and uncertainty analysis; economic analysis for sustainable development; financial accounting; company structures; and public sector projects. Case studies are presented.

Prerequisite(s): Admission to an Engineering program; ENGR 211-3; ENGR 217-~~3~~4

ENGR 400-6 Engineering Capstone Design Project This course is a two-semester engineering capstone design project intended to provide real-life experience as part of a design team. Working in teams, students solicit a project from an industrial sponsor, develop a full set of specifications, and complete the project. The intent is for the teams to draw upon all knowledge gained during their engineering degree.

Prerequisite(s): ENGR 217-~~3~~4 with a minimum grade of C-, ENGR 300-3; ENGR 380-3
Preclusion(s): CIVE 400-3; CIVE 401-6; ENVE 400-3; ENVE 401-6; ENGR 417-6

ENGR 417-6 Engineering Design V In this project-oriented course, students apply concepts and principles from environmental science and engineering fundamentals to design engineering solutions for environmental problems. The course may include group projects and working with an industry in northern and central British Columbia.

Prerequisite(s): Completion of 90 credit hours in an Engineering Program; ENGR 217-~~3~~4
Preclusion(s): ENSC 417-6

ENGR 421-3 Ecological Engineering and Design This course introduces fundamental principles of ecological engineering and their application to understand and assess issues related to the provision of basic urban services through nature-based solutions. Topics include the role of ecosystem services in urban processes; socio-ecological systems; sustainable and low-impact urban development; resilience-building capacities; gray, green, and blue-green infrastructure; on-site (distributed) technologies; ecological and regenerative technologies; and design for site-specific contexts.

Prerequisite(s): ENGR 217-~~3~~4; ENGR 300-3 or equivalent or permission of the instructor
Preclusion(s): ENGR 621-3

ENVE 317-3 Engineering Design III: Municipal Engineering This course explores engineering design of municipal infrastructure. Topics include, but are not limited to, the following: design of water supply networks; sewers; stormwater systems; and solid waste management. The project-based design exercises require the application of sustainability principles, engineering tools, and teamwork.

Prerequisite(s): Admission to an Engineering program; ENGR 211-3; ENGR 217-~~3~~4

S202505.24
Change(s) to Program Description – BASc Engineering
Hanlon
That on the recommendation of the Senate Committee on Academic Affairs, the changes to the BASc Engineering program description on page 104 of the 2024/25 undergraduate calendar be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

Transfers

Transfer into the program is allowed provided the prerequisite courses or articulated courses are completed and space is available in the program. Acceptance of transfers into the program is based on GPA with priority given to those with the highest GPA. The admission GPA for transfer students into the ~~Environmental~~ Engineering programs is assessed on the following four courses or their university transferrable equivalents: Math 12 or Pre-calculus 12, English 12, and two provincially-examinable Science 12 courses. In order to be considered for admission into the program, transfer students must have at least a 75% average based on these four courses or their equivalents.

S202505.25
Change(s) to Program Description – MASc
Hanlon
That on the recommendation of the Senate Committee on Academic Affairs, the changes to the MASc program description on pages 62 and 63 of the 2024/25 graduate calendar be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

Recommended Progression

The normal time for completion of the MASc is two academic years as a full-time student. While this is the recommended timeline, it may be adjusted at the discretion of the supervisory committee to suit a particular student's research and program needs.

~~The Graduate Seminar in Engineering course is offered during the September and January semesters. Students are expected to enroll in the seminar course two times during their degree program.~~

Mandatory methods and/or analysis courses and electives may be taken at any time. The sequencing of courses is determined by the student in discussion with their supervisor and the supervisory committee. In Year 1, the student develops a thesis proposal under the direction of the supervisory committee. By the end of the second semester after enrollment, the student should have successfully defended their proposal to the supervisory committee. This allows the student to start the collection of data and/or preparation of experiments and models during the last semester of Year 1. Students are expected to successfully defend their thesis by the end of Year 2.

Committee Structure

Students are advised by a supervisory committee consisting of at least three members, including the academic supervisor who serves as the Chair of the committee. At least one committee member (in addition to the supervisor) should be a member of the UNBC School of Engineering. ~~(exceptions must be approved by the program Chair).~~ The committee is normally formed during the student's first semester of study.

An executive summary – ANTHROPOLOGY was included in the meeting package.

S202505.26
Course Deletion – ANTH 220-3, Introduction to Primatology
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, the deletion of ANTH 220-3, Introduction to Primatology, on page 198 in the PDF calendar accessible on the UNBC web page of the 2024/2025 undergraduate calendar, be approved as proposed.
Effective Date: September 2025
CARRIED

S202505.27

Course Deletion – ANTH 420-3, Races, Racism, and Human Biology
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, the deletion of ANTH 420-3, Races, Racism, and Human Biology, on page 200 in the PDF calendar accessible on the UNBC webpage of the 2024/2025 undergraduate calendar be approved as proposed.
Effective Date: September 2025
CARRIED

S202505.28
Course Deletion – ANTH 620-3, Races and Racism and Human Biology
That on the recommendation of the Senate Committee on Academic Affairs, the deletion of ANTH 620-3, Races and Racism and Human Biology, on page 108 in the PDF calendar accessible on the UNBC web page of the 2024/2025 Graduate calendar, be approved as proposed.
Effective Date: September 2025
CARRIED

S202505.29
New Course Approval – ANTH 218-3, Introduction to Folklore and Cultural Heritage
S. Wilson
That on the recommendation of the Senate Committee on Academic Affairs, the new course ANTH 218-3, Introduction to Folklore and Cultural Heritage, be approved as proposed.
Effective Date: September 2025
CARRIED

Calendar Course Description: This course is designed for students who have an interest in cultures. It allows students to develop research and communication skills by examining policies and best practices in conservation, cultural heritage, folklore research methods, and cultural and linguistic safeguarding. This course may have a field trip or experiential-learning component.

S202505.30
Change(s) to Course Number and Prerequisites – ANTH 311-3, Anthropology of Food, Drink and Health
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the course number for ANTH 311-3, Anthropology of Food, Drink and Health on page 199 PDF calendar accessible on the UNBC web page of the 2024/2025 undergraduate calendar, be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

ANTH ~~311~~ 216-3 Anthropology of Food, Drink and Health
This course uses a biocultural approach to examine the relationship between humans and food (e.g., origins, acquisition and avoidance; distribution; preparation). The evolution of food and health (human dietary needs; malnutrition) is explored over time with regard to hunter-gatherers, food domesticators, and contemporary populations.

~~*Prerequisite(s): ANTH 200-3 or permission of the instructor*~~
~~*Preclusion(s): HHSC 311-3, NURS 206-3*~~

S202505.31
Change(s) to Course Title and Description – ANTH 300-3, Qualitative Methods
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the course title and description for ANTH 300-3, Qualitative Methods on page 198 PDF calendar accessible on the UNBC web page of the 2024/2025 undergraduate calendar, be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

ANTH 300-3 Qualitative Research Methods for Social and Medical Anthropology This course explores the significance of the ethnographic method in the practice of qualitative research. Students learn about defining research questions, creating research designs, selecting research strategies, and understanding the ethics of carrying out research. Topics include different kinds of data collection and research tools, including participant-observation, interviewing, focus groups, data recording through field notes, journaling, and visual and sound methods. ~~Finally, students are~~ Students are introduced to qualitative ~~and discourse analysis and interpretation~~ health research methods used in medical anthropology.

Prerequisite(s): 60 credit hours or permission of the instructor

S202505.32
Change(s) to Description – ANTH 200-3 Biological Anthropology
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the course description for ANTH 200-3 Biological Anthropology, on page 197 PDF calendar accessible on the UNBC web page of the 2024/2025 undergraduate calendar, be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

ANTH 200-3 Biological Anthropology This course is a ~~A~~ survey of the origins and evolution of ~~human population diversity~~ humans. Topics ~~covered~~ include an introduction to evolutionary and population genetic theory; trends and debates in human evolution; humans as primates; principles of human growth and development; and ~~aging; and polymorphism, polytypism and~~ biocultural adaptation in contemporary human populations.

Prerequisite(s): None
Recommendation(s): ANTH 102-3

S202505.33
Change(s) to Description – ANTH 201-3 Medical Anthropology
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the course description for ANTH 201-3 Medical Anthropology, on page 197 PDF calendar accessible on the UNBC web page of the 2024/2025 undergraduate calendar, be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

ANTH 201-3 Medical Anthropology This course explores understandings ~~Understanding~~ of wellness across cultures ~~in various cultural systems studied~~ through the classification of health and illness categories. ~~, and the range of approaches to maintaining and intervening in health processes. Examples relevant to Northern people and issues will be developed~~. It examines evidence for the evolution of human vulnerability to disease across the life cycle (conception to death) and the implications for health of contemporary populations using biocultural and political-economic lenses.

Prerequisite(s): None
Recommendation(s): ANTH 102-3

S202505.34
Calendar Revision – Local Government Administration Certificate Program
Casperson
That on the recommendation of the Senate Committee on Academic Affairs, the change from COMM 302-Entrepreneurship to COMM 204-3, on page 158 of the 2024/2025 undergraduate calendar, be approved as proposed.

Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

Local Government Administration Certificate Program

This Certificate provides a comprehensive overview of local government administration in Canada, with a focus on British Columbia. The Certificate complements existing degree programs at UNBC and is designed to help students prepare for careers in local government administration, policy, planning and economic development. Some of the courses in the Certificate also meet the requirements for provincial certification programs for local government administrators.

Drawing primarily from the disciplines of Political Science and Environmental Planning, the Certificate in Local Government Administration consists of 10 courses (30 credit hours), four of which are electives. The elective courses are drawn from lists of courses in two specializations: Policy and Administration and Planning and Economic Development. Students can choose to specialize in one of these areas, in which case they take four courses from one of the lists. They can also choose a generalist focus in which they take two courses from each list. Students must ensure that all prerequisite courses have been completed for the elective courses in the certificate.

Students can take the Certificate as a stand-alone program of study or in conjunction with a degree program. The requirements for admission into a Certificate program are the same as for any general UNBC undergraduate program. University transfer credit can also be applied to the Certificate, as appropriate, to a maximum of 15 credit hours.

Certificate Requirements

Required Courses

ENPL 104-3 Introduction to Planning
POLS 100-3 Contemporary Political Issues
POLS 316-3 Municipal Government and Politics
POLS 350-3 Law and Municipal Government
POLS 351-3 Local Services and Public Policy
POLS 360-3 Local Government Finance

Elective Courses

Specialization 1: Policy and Administration

COMM 330-3 Human Resource Management
POLS 200-3 Canadian Government and Politics POLS 302-3 How Government Works
POLS 320-3 Canadian Politics and Policy
POLS 327-3 Leadership and Ethics in Local Government
POLS 332-3 Community Development POLS 333-3 Politics and Government of BC
POLS 344-3 Society, Policy and Administration of Natural Resources
POLS 353-3 Project Management in Local Government
POLS 380-3 Law and Indigenous Peoples
POLS 415-3 Comparative Northern Development

Specialization 2: Planning and Economic Development

COMM ~~302~~204-3 Entrepreneurship
ENPL 105-3 Principles and Practices of Planning
ENPL 208-4 Land and Indigenous Reconciliation Studio
ENPL 301-3 Sustainable Communities: Structure and Sociology
ENPL 313-3 Rural Community Economic Development (CED)
ENPL 318-3 Professional Planning Practice
GEOG 202-3 Resources, Economies, and Sustainability

GEOG 424-3 Northern Communities
POLS 332-3 Community Development
POLS 415-3 Comparative Northern Development

S202505.35
Park Course – UNIV 102-3, Pathways to Success
Whitcombe
That on the recommendation of the Senate Committee on Academic Affairs, the parking of UNIV 102-3, Pathways to Success, on page 301 of the 2024/2025 undergraduate calendar, be approved as proposed.
Effective Date: September 2025
CARRIED

Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

~~**UNIV 102-3 Pathway to Success** This is a supportive academic course to assist students in learning skills to advance their academic performance. Course material assists students in developing personal growth in areas such as identifying and working with personal learning styles, improving study strategies, building time management, developing critical analysis, accessing resources and fostering other essential academic abilities~~.

~~*Prerequisite(s): Permission is required by the UNBC Deans via the Registrar's office*~~

ACTION: This course has been parked. A pilot project is underway at the Academic Success Center, led by a Foundation Skills Coordinator, to develop a replacement strategy for supporting student success. The university will monitor the development and implementation of the new support model and reassess the status of University 102 once the pilot project outcomes are evaluated.

S202505.36
General Motion – Formative Assessment
Whitcombe
That on the recommendation of the Senate Committee on Academic Affairs, all graded undergraduate courses require some form of assessment, summative or formative, sufficient to allow students to make a decision about completing a course prior to the date for Academic Withdrawal.
Effective Date: September 2025
CARRIED

That all graded undergraduate courses require some form of assessment, summative or formative, sufficient to allow students to make a decision about completing a course prior to the date for Academic Withdrawal.

Senate discussed the definitions of *formative* and *summative* assessments. It was reported that the Centre for Teaching, Learning, and Technology (CTLT) provides guidance on these terms. Clear definitions and expectations should be included in course syllabi to avoid confusion and support student appeals.

Action: Collaboration between CTLT and Student Appeals Committee to develop sample syllabus language and guidance.

S202505.37
Memorandum of Understanding between the City of Prince Rupert and the University of Northern British Columbia
Kranz
That on the recommendation of the Senate Committee on Academic Affairs, on the recommendation of the Senate Committee on Academic Affairs, the UNBC Senate approves that this Memorandum of Understanding (MOU) formalizes the partnership between the University of Northern British Columbia (UNBC) and the City of Prince Rupert to pursue areas of joint interest, including workforce development, research and innovation, and broader community engagement.
Effective Date: Upon Signing of the Agreement
CARRIED

S202505.38

Memorandum of Understanding between Tohoku University Graduate School of Medicine and the University of Northern British Columbia

Hirt

HThat on the recommendation of the Senate Committee on Academic Affairs, on the recommendation of the Senate Committee on Academic Affairs, the UNBC Senate approves the Memorandum of Understanding between Tohoku University Graduate School of Medicine and the University of Northern British Columbia to promote further intercultural, education, scientific and technological exchanges as well as for the exchange of students as promoted by the Agreement on Academic Exchange as proposed.

Effective Date: Upon Signing of the Agreements

CARRIED

10.3 Steering Committee of Senate — Payne

"For Approval" Items:

S-202504.39

Hirt

That on the recommendation of the Steering Committee of Senate, the changes to 3(w) Quorum on the Senate in the Senate Handbook be approved as proposed.

Effective Date: Upon approval of Senate

CARRIED

S-202505.40

Whitcombe

That on the recommendation of the Steering Committee of Senate and the Senate Committee on Scholarships and Bursaries, the revised Terms of Reference of the Senate Committee on Scholarships and Bursaries be approved.

Effective date: Upon approval of Senate

CARRIED

10.4 Senate Committee on Nominations — Gehloff

"For Approval" Items:

S-202505.41

Recommendations of Senate Committee Members

Hanlon

That on the recommendation of the Senate Committee on Nominations the following candidates, who have met all eligibility requirements to serve on Senate committees as indicated, be appointed as proposed.

Effective date: Upon approval of Senate

CARRIED

SENATE COMMITTEE POSITION TO BE FILLED (except as otherwise noted, all terms begin immediately)	**CANDIDATE**
SENATE COMMITTEE ON ACADEMIC AFFAIRS	
Graduate Student *Term Start Sept 1, 2025, and Term End Aug 31,2026*	Rana Kidwai
SENATE COMMITTEE ON UNIVERSITY BUDGETS	
Undergraduate Student *Term Start Sept 1, 2025, and Term End Aug 31,2026*	Divjot Kaur

SENATE COMMITTEE ON NOMINATIONS

Faculty Senator — Susie Wilson
Term Start effective immediately, and Term End March 31, 2027

4.3 Senate Committee Vacancies

Vacancies sorted by committee included in the meeting package.

10.5 Senate Committee on Curriculum and Calendar — **Read**
Nothing to report.

10.6 Senate Committee on Admission and Degrees — **Read**
Nothing to report.

10.7 Senate Committee on Indigenous Initiatives — **Payne**
The President reported that the committee is meeting next week.

10.8 Senate Committee on Honorary Degrees and Special Forms of Recognition — **Payne**
Nothing to report.

10.9 Senate Committee on Scholarships and Bursaries — **Wood-Adams**

"For Information" Items:

SCSB20250226.05(Approved)
NEW UNBC FBE Dinner Award
That the new Terms and Conditions for the UNBC FBE Dinner Award be approved.
Effective: 2025/2026 Academic Year

SCSB20250423.03 (Approved)
Heaney Donaldson Reconciliation Bursary
That the new Terms and Conditions for the Heaney Donaldson Reconciliation Bursary be approved.
Effective: 2025/2026 Academic Year

SCSB20250423.05 (Approved)
Thimbleberry Legacy Student Award
That the new Terms and Conditions for the Thimbleberry Legacy Student Award be approved.
Effective: 2025/2026 Academic Year

SCSB20250514.03 (Approved)
Auxiliary to UHNBC Book Bin Bonus Bursary
That the new Terms and Conditions for the Auxiliary to UHNBC Book Bin Bonus Bursary be approved.
Effective: 2025/2026 Academic Year

SCSB20250514.04 (Approved)
Judith A. Stein Award for Indigenous Health Care Student Learning
That the new Terms and Conditions for the Judith A. Stein Award for Indigenous Health Care Student Learning be approved.
Effective: 2025/2026 Academic Year

SCSB20250514.05 (Approved)
Talok Fisheries, Donna MacIntyre Scholarship
That the new Terms and Conditions for the Talok Fisheries, Donna MacIntyre Scholarship be approved.
Effective: 2025/2026 Academic Year

SCSB20250514.06 (Approved)
Allison E. Nyce SAGE Lifetime Achievement Award

That the new Terms and Conditions for the Allison E. Nyce SAGE Lifetime Achievement Award be approved.
Effective: 2025/2026 Academic Year

10.10 Senate Committee on University Budget **Gehloff**

No report.

11.0 Approval of Motions on the Consent Agenda **Payne**

S-202505.42
Approval of Motions on the Consent Agenda
Casperson
That the motions on the consent agenda, except for those removed for placement on the regular agenda, be approved as presented.
Effective Date: Upon the approval of Senate
CARRIED

12.0 Information

13.0 Other Business

14.0 S-202505.43
Move to the Closed Session
Whitcombe
That the meeting move to Closed Session
CARRIED

15.0 S-202505.50
Adjournment
Whitcombe
That the Senate meeting be adjourned.
CARRIED

The meeting adjourned at 5:12pm.