



MEMORIAL UNIVERSITY SENATE

AGENDA

Tuesday, January 14, 2024

4:00-6:00 pm – WebEx

LAND ACKNOWLEDGEMENT

We acknowledge that the lands on which Memorial University's campuses are situated are in the traditional territories of diverse Indigenous groups, and we acknowledge with respect the diverse histories and cultures of the Beothuk, Mi'kmaq, Innu and Inuit of this province.

1.0 Approval of the Agenda

1.1 Meeting of January 14, 2024

APPROVAL

2.0 Approval of the Minutes

2.1 Meeting of December 10, 2024 – Page 3 ([Appendix A](#))

APPROVAL

3.0 Consent Agenda

APPROVAL

3.1 Report of the Senate Committee on Undergraduate Studies

- i. Summary memo from the Secretary of the Senate Committee on Undergraduate Studies (December 5, 2024) – Page 13 ([Appendix B](#))
- ii. Proposed Calendar Changes – Faculty of Engineering and Applied Science – Page 16 ([Appendix C](#))
- iii. Proposed Calendar Changes – Faculty of Science
 - 3.1.iii.1 Biology and Statistics – Page 27 ([Appendix D](#))
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3.2 Report of the Academic Council of the School of Graduate Studies

- i. Summary memo from the Chair of the Academic Council of the School of Graduate Studies (December 16, 2024) – Page 78 ([Appendix L](#))

- ii. Proposed Calendar Changes – Faculty of Science
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4.0 New Business

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- i. Proposed Calendar Changes – Faculty of Engineering and Applied Sciences – Page 110 ([Appendix R](#))

APPROVAL

4.2 Report of the Senate Committee on Elections, Committees and Bylaws

- i. Recommendation for appointment to University Planning and Budget Committee – Page 133 ([Appendix S](#))

APPROVAL

4.3 Standing Committees of Senate – Chairs’ Presentations

- i. Dr. Lindsay Cahill, Chair, Senate Committee on Research

INFORMATION

5.0 Reports of Officers

5.1 Remarks from the Chair

5.2 Questions for the Chair

5.3 Remarks from the Deputy Chair

5.4 Questions for the Deputy Chair

6.0 Other Business



UNIVERSITY SENATE
MINUTES

Tuesday, December 10, 2024
4:00 pm NT –WebEx

PRESENT

Dr. K. Abadie	Dr. T. Fridgen	Dr. D. Peters
Mr. M. Alam	Dr. G. George	Dr. A. Pike
Dr. L. Alisaraie	Dr. S. Giwa	Dr. S. Power
Dr. T. Allen	Dr. E. Haven	Dr. C. Purchase
Dr. J. Anderson	Dr. D. Hallett	Dr. P. Ride
Dr. K. Anderson	Dr. D. Hancock	Dr. S. Rowe
Dr. C. Arnold	Dr. J. Hawboldt	Dr. A. Sarkar
Dr. R. Bailey	Dr. T. Hennessey	Dr. S. Shetranjiwalla
Dr. F. Bambico	Dr. N. Hurley	Dr. K. Simonsen, Speaker of Senate
Dr. C. Bazan	Dr. K. Jacobsen	Dr. J. Sinclair
Ms. H. Bello	Ms. K. Johnson	Mr. S. Shah
Dr. E. Bezzina	Mx. J. Joy	Ms. B. Smith
Dr. N. Bose, Chair	Dr. D. Keeping	Dr. M. Stordy
Dr. P. Brett	Dr. E. Kendall	Dr. A.M. Sullivan
Dr. T. Brown	Mr. N. Keough	Mr. P. Sullivan
Dr. S. Bugden	Dr. K. Laing	Ms. C. Walsh
Dr. K. Bulmer	Dr. A. Loucks-Atkinson	Dr. A. Warren
Dr. R. Burry	Mr. E. Ludlow, Chancellor	Dr. J. Westcott
Dr. L. Cahill	Dr. L.A. McKivor, Secretary	Ms. A. White
Mr. C. Couturier	Ms. B. Meaney	Dr. B. White
Dr. G. Curtis	Dr. L. Moores	Dr. M. Woods
Dr. P. Dold	Dr. D. Mullings	Dr. H. Yacoubian
Dr. A. Dorward	Ms. T. Noseworthy	
Dr. E. Durnford	Dr. P. Osmond-Johnson	
Dr. E. Fraser	Ms. S. Papple	

REGRETS

Mr. D. Budden	Dr. L. Moore	Dr. K. Shannahan
Dr. O. Dobre	Dr. S. Neilsen	Dr. S. Wright
Dr. J. Lokash, Deputy Chair	Ms. K. Russell	

ABSENT

Mr. A. Al-Rashed	Dr. P. Issahaku	Dr. P. Morrill
Dr. T. Chapman	Dr. M. Marshall	Ms. H. Pretty
Dr. P. Button	Dr. D. McKeen	Mx. A. Zedel
Mr. S. Ganesan	Dr. S. Moore	

OBSERVERS

Ms. Catharyn Andersen
Dr. Patricia Beh
Ms. Margot Brown
Dr. A. Clarke

Dr. A. Craig
Dr. Virginia Fugarino
Ms. Melissa MacLean
Mr. Keith Matthews
Ms. Kim Myrick

Ms. Lisa Russell
Dr. Shannon Sullivan
Ms. Martha Wells
Ms. Meghan Whelan

RECORDING

Ms. M. Broders

Mr. B. Hammond

Ms. S. Sansome

N. Bose delivered the land acknowledgement and called the meeting to order at 4:01 pm.

N. Bose welcomed Senators and Observers to the last meeting of the year. He welcomed the newly elected Speaker of Senate, Dr. Kathryn Simonsen. He thanked Dr. Simonsen for the excellent job she has done as the Deputy Speaker. Dr. Simonsen now been elected to serve as the inaugural Speaker of Senate.

N. Bose noted that under “Other Business” there will be an item from Dr. Michael Woods, Chair, University Planning and Budget Committee.

N. Bose called on Dr. Simonsen to begin the meeting.

1.0 Approval of the Agenda

1.1 Meeting of December 10, 2024

K. Simonsen asked if there were any other additions or proposed changes to the agenda.

MOTION M. Woods / D. Peters

RESOLVED that the agenda for the December 10, 2024 meeting of Senate be adopted as presented with the addition of the item from M. Woods under “Other Business”.

No discussion.

CARRIED

2.0 Approval of the Minutes

2.1 Meeting of November 12, 2024

K. Simonsen advised that Dr. McKivior, University Registrar and Interim Secretary of Senate, has informed her that there have been no amendments reported to the Senate office.

K. Simonsen asked if there were any corrections or amendments to the minutes. None were proposed.

MOTION C. Couturier / C. Walsh

RESOLVED that the minutes of the meeting of November 12, 2024, be approved as circulated.

No discussion.

CARRIED

3.0 Consent Agenda

3.1 Report of the Senate Committee on Undergraduate Studies

Two reports were received from Jennifer Porter, Secretary to the Senate Committee on Undergraduate Studies, outlining calendar changes from Grenfell - English Course and from the Faculty of Engineering and Applied Science. These changes are transmitted for information only and have been approved through the authority delegated to the Committee.

3.2 Report of the Academic Council of the School of Graduate Studies

A report was received from Dr. Amy Warren, Chair of the Academic Council of the School of Graduate Studies, outlining calendar changes from the Faculty of Education and the School of Music. The Council recommended the adoption of all proposed changes.

3.3 Annual Reports and Work Plans of Senate Standing Committees

Five (5) annual reports and work plans were received in writing from the Standing Committees of Senate. Reports were received from the

- i. Senate Committee on Undergraduate Scholarships, Bursaries, and Awards;
- ii. Senate Committee on Research;
- iii. Senate Committee on Honorary Degrees and Ceremonial;
- iv. Senate Committee on Academic Unit Planning; and
- v. Grenfell Campus Special Admissions Committee.

The reports contained no recommendations and were received for information only.

MOTION G. George / E. Bezzina

RESOLVED that the recommendations within the Consent Agenda be approved as circulated.

A senator inquired about the consultation process for graduate academic policy changes.

A. Warren advised that the responsibility for consultation rests with the faculty. P. Osmond-Johnson, Dean of the Faculty of Education, added that as the changes were fully internal to the Faculty of Education, they did not engage in widespread consultation in this instance.

CARRIED

4.0 New Business

4.1 Report of the Senate Committee on Elections, Committees and Bylaws

K. Simonsen called on L.A. McKivior, as Chair of the Senate Committee on Elections, Committees and Bylaws, to present that Committee's report.

L.A. McKivior reminded Senate that Dr. Woods, Chair of the University Planning and Budget Committee, had put out a call for membership at the last Senate meeting. As a result of that call, two members of the academic staff have volunteered to serve on that committee. The Senate Committee on Elections, Committee and Bylaws recommends that the two members be appointed to the committee.

MOTION M. Woods / G. George

RESOLVED that the following academic staff members be appointed to the University Planning and Budget Committee:

- i. Dr. Russell Williams, Faculty of Humanities and Social Sciences, Department of Political Science; and
- ii. Dr. John Hawboldt, School of Pharmacy.

No discussion.

CARRIED

4.2 Speaker of Senate

K. Simonsen called on L.A. McKivior, Secretary of Senate, to announce the election results for the Speaker of Senate.

L.A. McKivor presented the results of the election for the Speaker of Senate. Since the creation of the position, the Senate has only had an elected Deputy Speaker, Dr. K. Simonsen, who has been acting in the role of Speaker since September 2024. L.A. McKivor reported that at the end of the election period, K. Simonsen was confirmed to serve as the inaugural Speaker of Senate. L.A. McKivor thanked K. Simonsen for her work to date as Deputy Speaker and for her continued service to the Senate.

This election, however, leaves a vacancy in the position of Deputy Speaker. The Senate Office will be coordinating a call for nominations to the position of Deputy Speaker soon.

No discussion.

4.3 Presentation from Senate Committee on Admissions

As a continuation of the initiative to have the Chairs of the Standing Committees give presentations about their Committees to Senate, K. Simonsen invited Dr. Shannon Sullivan, Senior Faculty Advisor in the Faculty of Science and longstanding member of the Committee, to present the Committee's report in absence of a chair.

S. Sullivan outlined the role of the committee:

1. Review special admission appeals
 - Undergraduate applicants to the St. John's campus who are new to post-secondary studies
 - Special circumstances
 - Flexible admission
 - Concurrent studies
 - Mature applicants
2. Review Calendar change proposals related to general admissions

The Committee is a small committee consisting of:

- University Registrar or delegate from the Academic Advising Centre
- Assistant Registrar (convenor)
- Senior Academic Advisor, Faculty of Humanities and Social Sciences
- Senior Academic Advisor, Faculty of Science
- Faculty members
- Director, Blundon Centre or delegate
- Director, Counselling and Wellness Centre or delegate
- An undergraduate student appointed by Memorial University Students' Union

S. Sullivan reviewed a chart giving the number of appeals considered by the Committee from 2015-2023. The number of appeals went down during the pandemic but the number has gone back up again. The Committee is averaging about twenty a year.

There is no limit on the number of faculty members that can serve on this Committee. More faculty members would provide a broader perspective during committee discussions. The committee is always looking for additional faculty members especially from units outside Science and Humanities and Social Sciences.

Following the conclusion of the presentation, K. Simonsen invited Senators to ask questions about the presentation.

A senator felt that the impact of the increase in tuition fees on enrolment doesn't seem to belong to anyone but wonders if such considerations fit under the remit of the committee.

S. Sullivan stated that it is not related to the mandate of the Committee, but that tuition fees are a significant consideration. It is also worth considering that Memorial's General Admission system is typically tailored to Newfoundland and Labrador high school students, which can limit enrolment for out-of-province students coming from high school curricula that do not align with local programs. There was an ad-hoc subcommittee that considered this a few years ago but their proposal was not ultimately adopted by the Senate. The impacts of both tuition fees and the General Admission system should be significant considerations for the incoming Provost. It is important that admissions requirements do not create unnecessary barriers for applicants, but also that they uphold the academic standards of the University.

- A senator responded, stating that in the Senator's view there was hope that the proposal would go back to the ad-hoc committee for revision. The intention did not seem to be to quash the proposal, but to have it revised.
- S. Sullivan responded that based on the diversity of responses, revision would have been challenging to make it palatable to all parties.

P. Brett asked if NAPE employees at Marine Institute are eligible for service on the committee. The Senate office will confirm and share the criteria for eligibility with P. Brett following the meeting.

K. Bulmer, Dean of the School of Music, thanked S. Sullivan for the presentation. For the information of Senate, she noted that Fine Arts and Music have an admission pilot project that waives some general admissions requirements for desirable students. She offered to update Senate while the pilot is ongoing, or once it concludes in three years.

As there were no further questions, K. Simonsen thanked S. Sullivan for the presentation.

5.0 Reports of Officers

5.1 Remarks from the Chair

K. Simonsen invited N. Bose to provide remarks to the Senate.

N. Bose advised Senate that J. Lokash is on annual leave and so would not be presenting any remarks.

N. Bose addressed Senate regarding a recent announcement in the Gazette, which communicated a number of newly-approved measures approved by the Board of Regents to mitigate some of the University's current financial challenges. In particular, he mentioned the challenge of federal immigration restrictions, changing provincial government support, and other factors which have contributed to the University's decision to implement strategies for change. These initiatives include limited hiring, a restriction on carryover funds, and a new budget model. It is hoped these actions enable the University to balance its budget over the next two years.

5.2 Questions for the Chair

Senators were invited to ask questions of the Chair.

A senator raised concerns about the lack of advocacy originating from the University and from the President and Chair of Senate regarding the continued funding cuts and the recent drop in student enrolment.

N. Bose advised that the University and the Office of the President are in regular communication with the Provincial Government and are constantly advocating for the needs of the University. In addition, the measures put in place by the Board are largely to compensate for the \$9 million decrease in tuition revenue due to IRCC limitations on study permits for international students.

Another stated they feel the University has been remiss in its public role. The senator felt administration should be more transparent about its dealings with Government. The senator also noted that the University should not blame financial instability solely on Government funding and immigration restrictions when, according to the Auditor General's report, Memorial's administrative spending per student is higher than other comparator institutions in Canada.

N. Bose advised that the University is constantly advocating to the Government and highlighting the impacts of budget cuts on the University's operations. He also corrected the senator's statement about the Auditor General's report, noting that Memorial's administrative costs are in line with those of its comparator institutions.

A senator noted that over 70% of the University's budget comes from Government funding, making the Government at once a significant benefactor and, due to financial cuts, a hinderance. They wondered if the Senate could compose a letter or other communication to express its opinion to the Government.

N. Bose advised that all members of the University community have a role to play, which may include issuing messaging or communications. He also stressed the importance of having positive stories about the University in the news to ensure that the positive aspects of the University's operations are highlighted. Finally, he noted that the role of administrators is to respond to and work in the circumstances and environment that exist at any given time.

A senator expressed that there is an important difference between messaging and advocacy. They felt reducing the size of the University without a clear line of advocacy would likely result in the exacerbation of the current situation; that is, that the University would end up smaller and still facing prohibitive budget cuts. For these reasons, the University must advocate to the general public. The people of Newfoundland and Labrador must demand better funding for the province's only university. Regardless of the amount of financial assistance the University receives from Government, that money comes from taxes. The University needs the people's support in order to ensure it thrives.

N. Bose agreed with this statement and added that it is important messaging to the public is accurate, citing the "myth" raised by the previous Senator of Memorial having comparatively higher administrative costs.

A Senator added that in order to maintain themselves, academic units require a certain faculty complement to keep programs viable. When courses or program requirements can only be offered in a limited way, that has an effect on the reputation of the program, which may decrease interest. This can be a vicious cycle.

N. Bose noted that the building and phasing out of certain programs is a constant and ongoing discussion as the academic world evolves. It is important to ensure funding is used in the most beneficial ways possible.

A Senator stated the November Senate minutes noted the enrolment drop was largely attributed to the drop in international student enrolment. The senator wondered what has changed since that time which would create the sense of urgency which appears to be evident from the recent limited hiring announcement.

N. Bose noted that the Board of Regents has met (December 5th) since the last Senate meeting to consider solutions to the financial issues faced by the University. Our sense of urgency has not changed, we have now announced how we will address the problems

we are facing.

K. Simonsen, hearing no further questions/comments, thanked Senators for their input and moved to the next agenda item.

6.0 Other Business

6.1 Upcoming Survey from PBC

K. Simonsen invited Dr. Michael Woods, Chair of the University Planning and Budget Committee, to give an update from that Committee.

M. Woods provided some information about PBC's calls for Special Topics for Senate meetings. There was significant interest in research as a topic for the March Special Meeting of Senate. The PBC and the Senate Committee on Research have developed a survey (The Practice of Doing Research: Faculty Feedback on Memorial University's Research Ecosystem) that they will be launching soon and that will be hosted on the Centre for Institutional Analysis and Planning (CIAP) website. This will ensure that the conversation in March will be meaningful. The link will be available within the next week.

K. Simonsen invited Senators to ask questions about the update from PBC.

A senator was curious because there is a review of the Grenfell research office upcoming. The senator wondered if the initiatives are related, and are the outcomes of the survey intended to to guide a discussion, or will a report made available?

M. Woods responded that but the survey is to gather feedback from those who are involved in research at the University. It is not just for a discussion in March. If the survey receives significant response, it may inform future policy decisions, etc.

As there were no further questions for M. Woods, K. Simonsen announced that Senate would move into a Closed Session for discussion of confidential materials, and asked all Observers to leave the meeting. L.A. McKivior confirmed that all non-Senators had left the meeting room and business resumed *in camera*.

7.0 Closed Session

7.1 Report of the Senate Committee on Honorary Degrees and Ceremonial

Recommendations for awarding of Honorary Degrees

The Senate Committee on Honorary Degrees and Ceremonial presented two (2)

candidates for the awarding of Honorary Degrees. Senators were given the opportunity to discuss the merits of each candidate prior to voting. Two (2) motions were made, seconded, and ultimately carried, resulting in both candidates being confirmed for receipt of Honorary Degrees.

Recommendations for awarding of *Professores Emeriti*

The Senate Committee on Honorary Degrees and Ceremonial presented two (2) recommendations for appointment to the position of *Professor Emerita/us*. Senators were given the opportunity to discuss the merits of each candidate prior to voting. Two (2) motions were made, seconded, and ultimately carried, resulting in both candidates being confirmed for appointment to the position of *Professor Emerita/us*.

As there was no further business, a motion to adjourn was made and carried at 5:34 pm.



Senate | Committee on Undergraduate Studies

PO Box 4200
St. John's, NL A1C 5S7
www.mun.ca/senate

December 12, 2024

TO: Secretary, Executive Committee of Senate

FROM: Secretary, Senate Committee on Undergraduate Studies

SUBJECT: Calendar Changes 2025-2026 from December 5, 2024, SCUGS Meeting

At a meeting held on December 5, 2024 the Senate Committee on Undergraduate Studies considered and approved the following items for transmission to the Office of the Secretary of Senate:

Proposed Calendar Changes – Faculty of Science

- *Changes to existing course BIOL 3050* - The Biochem PR option for this course (BIOC 2200) is no longer offered. Students should take HUBI 2004 and HUBI 2901 in place of BIOC 2200 or BIOL 2250. The second minor change is the addition of HUBI 2001 to the list of PR, which has replaced BIOC 2201 in the HUBI major. HUBI 2001 and BIOC 2201 are the same course.
- Changes to existing course BIOL 3709 – changed the course description and prerequisite structure for the course.
- Changes to existing course BIOL 4050 – change the course to ensure the title more accurately reflects the content.
- Changes to existing course BIOL 4052 – changed to increase the accessibility of the course to students.
- Changes to existing course BIOL 3711 – removed laboratory hours.
- Changed PR for COMP 2001, 2002 and 2003 and removed Computational Chemistry from COMP 2004 course restriction.
- Changed course restrictions for COMP 2004-2008

- New course COMP 3150 and updated course title and description for COMP 2001

Proposed Calendar Changes – School of Arts and Social Science

- New title for ENGL 2145 – changed title to be line with critical literature and theory in the field.
- Regularize ENGL 4836

Please be advised that Senate Committee on Undergraduate Studies has received the information required for the approval of the above-noted calendar changes. As these changes are related to existing courses, SCUGS has the authority to approve these changes and the information is being sent to the Office of the Secretary of Senate for information purposes and record keeping.

At a meeting held on December 5, 2024 the Senate Committee on Undergraduate Studies considered and endorsed the following items for transmission to Senate for addition to the **Consent** agenda:

Proposed Calendar Changes – Faculty of Engineering and Applied Sciences

- Engineering Promotion regulations - Require students to take at Memorial a majority of the nine courses that count towards the Engineering One promotion average
- Engineering Promotion regulations - Raise the Engineering One promotion average threshold, at which a student is guaranteed promotion to their choice of major, from 75% to 80%.

Proposed Calendar Changes – Faculty of Science

- Amendment to Biology and Statistics Joint Honours – proposing to update a deletion that was overlooked in the last round of changes.
- Amendments to Computer Science Majors – proposing to have one single major with multiple concentrations
- Changes to Computer Science Major Admissions – proposing to include Math 2000 and 2050 as options for satisfying the math requirement.
- Changes to Computer Science Major Admissions – proposing to require at least 5 courses for admission into the major to have numerical grades.
- Changes to Marine Biology Joint Major and Honours – proposing to address a small number of relatively minor changes to ensure recently cross-listed courses required for these major programs are counted appropriately.

- Changes to Computer Science and Physics Joint programs – proposing to remove COMP3731 as a required course and add a requirement for three additional credit hours in Computer Science courses at the 3000-or 4000-level. Additionally, it is proposed to allow Math 1006 as an acceptable option to MATH 1000 for these programs. Finally, it is proposed to remove a suggestion to take COMP 2500 – Data Analysis with Scripting Languages as an elective for this program.

Proposed Calendar Changes – School of Arts and Social Science

- Changes to FOLK Minor requirements – include FOLK 2230 as an option.
- Changes to Grenfell BBA – modify English requirements for BUSN 2021; correct and error in Table and suspend articulation agreement with CNA for the two-year business administration (general) diploma.

At a meeting held on December 5, 2024 the Senate Committee on Undergraduate Studies considered and endorsed the following items for transmission to Senate for addition to the **Regular** agenda:

Proposed Calendar Changes – Faculty of Engineering and Applied Sciences

- Adding credit hours to Engineering Work Terms



Jennifer Porter
Deputy Registrar and
Secretary to the Committee

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Cover Page

LIST OF CHANGES

Indicate the Calendar change(s) being proposed by checking and completing as appropriate:

- New course(s):
- Amended course(s):
- New program(s):
- Amended or deleted program(s):
- New, amended or deleted Glossary of Terms Used in the Calendar entries
- New, amended or deleted Admission/Readmission to the University (Undergraduate) regulations
- New, amended or deleted General Academic Regulations (Undergraduate)
- Amended Faculty regulations: Engineering One promotion regulations**
- Other:

ADMINISTRATIVE AUTHORIZATION

By signing below, you are confirming that the attached Calendar changes have obtained all necessary Faculty/School approvals, and that the costs, if any, associated with these changes can be met from within the existing budget allocation or authorized new funding for the appropriate academic unit.

Signature of Dean:

Bing Chen Digitally signed by Bing
Chen
Date: 2024.11.20
17:32:01 -03'30'

Date:

Novemeber 20, 2024

Date of approval by Faculty Council:

2024 October 30

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Senate Summary Page for Programs

PROGRAM TITLE

Bachelor of Engineering (B.Eng.)

RATIONALE

Two changes are being proposed for promotions from Engineering One to the majors in Academic Term 3 of the Bachelor of Engineering program:

- 1. Require students to take at Memorial a majority of the nine courses that count towards the Engineering One promotion average; and**
 - 2. Raise the Engineering One promotion average threshold, at which a student is guaranteed promotion to their choice of major, from 75% to 80%.**
1. Promotion from Engineering One is based on a student's successful completion of nine courses:
 - Chemistry 1050 (or Chemistry 1200)
 - ENGI 1010
 - ENGI 1020
 - ENGI 1030
 - ENGI 1050 (or the former ENGI 1040)
 - 3 credit hours in English at the 1000 level or any Critical Reading and Writing course
 - Mathematics 1001
 - Mathematics 2050
 - Physics 1051

Not all students complete all nine courses at Memorial. Some students receive exemptions from our introductory programming course (as stated in the Faculty's Course Exemption Policy), but others arrive at Memorial with transfer credit from other universities and/or from secondary school (e.g., Advanced Placement, International Baccalaureate or UK-pattern A-levels). Students commonly receive transfer credit for pre-Engineering-One courses such as Math 1000, Chemistry 1050 and Physics 1050, but also for Engineering One courses. Many students use these transfer credits towards their eligibility for promotion from Engineering One (EO) to Academic Term 3

The transfer credits most commonly used for Engineering One promotion are in mathematics and the sciences. Transfer credits being used for ENGI courses is much rarer, although one student promoted to Term 3 this year did have transfer credit for three of the four ENGI courses in Engineering One. In almost all cases, students complete more than half of their Engineering One requirements at Memorial and receive numeric grades that can be used in the calculation of their EO promotion average.

However, last year there was one case in which a student only received two numeric grades out of the nine Engineering One courses, the remainder being transfer credits, an exemption and one late-resolving ABS grade (due to a deferred examination). In that case, the student received a promotion average based on two courses alone, an average which was then used to compete against other students with “full” promotion averages.

Students who enter the program with transfer credit sometimes opt to re-take a course here at Memorial for which they have credit. Most students taking a course for (nominally) the second time do reasonably well in it, but some receive grades that bring down their promotion average and some even fail the course (despite having previously completed a course that is considered good enough for transfer credit). Thus, we may have a small number of students being promoted based on large numbers of transfer credits who would be less competitive for their preferred program if they had taken (or re-taken) courses at Memorial.

In order to ensure that we have a sufficient basis for making promotion decisions, and to ensure fairness between students in the competitive matching process, we propose requiring Engineering One students to complete the majority of their EO courses at Memorial. Currently, this would mean that students would only be eligible for promotion if they have completed at least five of the nine Engineering One courses at Memorial.

If implemented, Engineering would not be alone in this requirement. The Bachelor of Commerce (Coop) program requires transfer applicants to complete a minimum of five courses (15 credit hours) at Memorial before admission. The B.Sc. Nursing program does not accept transfer credits for Nursing courses, and the School of Human Kinetics and Recreation maintains a list of courses for which transfer credits cannot be given. The Bachelor of Social Work requires students to demonstrate a grade of 65% or higher in courses they wish to transfer. We propose to add a clause to Engineering regulation §7.1 of the Calendar, based on the B.Comm. language (Business regulation 5.2.2.1(d), at <https://www.mun.ca/university-calendar/st-johns-campus/faculty-of-business-administration/5/2/#5.2.2>).

2. Guaranteed promotion to the choice of major

For each student in Engineering One, the best grade they have obtained in any course that satisfies each of the nine requirements is averaged together to create a promotion average. Our usage of the best grade means that students have the opportunity to improve their promotion average by re-taking courses, or even by taking alternative courses that satisfy the same requirements. If students do not have marks for all nine Engineering One requirements (e.g., due to transfer credit), we average the marks that we have available to us.

As per §7.1 of the Calendar, a student requires a minimum promotion average of 65% in order to be eligible for promotion. With a promotion average of 75%, we guarantee that a student will be matched to their first-choice academic program in Term 3 (the “75% guarantee”). This is a helpful recruiting tool, as high-achieving students can be guaranteed that, if they come to Memorial, they will be matched to their preferred program as long as they continue to achieve academic success.

Over the past six years, the median promotion average among Engineering One students who were promoted to Term 3 has been above 75%. In the 2019–20 academic year this proportion came close to 80%, and has since dropped down closer to the pre-COVID level of just over 50%. Unfortunately, we do not have readily-accessible promotion average data from earlier years, so we are unable to identify a longer-term trend.

In the 2022–23 academic year, the Committee was forced to over-fill the Mechatronics major, as there were more students with 75%+ averages with that major as their first choice than there were seats available. That situation did not repeat itself in the 2023–24 academic year, as students’ preferences aligned more closely with the capacities of the various programs. However, it could well do so again in the future, causing some programs to be “starved” of students who would otherwise be matched with them while other programs are over-full.

The guarantee of being able to receive one’s first choice is important for recruiting, but 75% is not a threshold indicative of high achievement. It may be this threshold was once limited to high-achieving students, but for at least the last six years, over half of our promoted students exceeded this threshold.

Thus, we propose raising the threshold required for this guarantee to 80%. The effect of this change would be to cause only the top 20–30% of promotable students to receive the benefit of this guarantee, a number that is commensurate with “A” letter grades.

ANTICIPATED EFFECTIVE DATE

2025 Fall

CALENDAR CHANGES

Amend Engineering Regulation 7.1 Promotion Status (Engineering One) in the Calendar, at

<https://www.mun.ca/university-calendar/st-johns-campus/faculty-of-engineering-and-applied-science/7/1/>

as follows (additions in red underline, deletions in ~~green strikethrough~~):

Insert a new clause between the existing #2 and #3:

3. At least 15 credit hours in the nine Engineering One courses as listed above must be completed at Memorial University to be eligible for promotion to Academic Term 3.

and renumber following clauses accordingly;

and

amend the existing #4 and #5 (to become #5 and #6):

45. A student promoted to Academic Term 3 with an Engineering One promotion average of ~~75%~~ 80% or greater is guaranteed their preferred major.

- ~~5~~6. A student who meets the promotion requirements with a promotion average of less than ~~75%~~ 80% will be promoted as Faculty capacity permits

CALENDAR ENTRY AFTER CHANGES

7.1 Promotion Status (Engineering One)

Promotion from Engineering One to Academic Term 3 depends on available capacity in the seven Engineering majors; promotion from Engineering One does not guarantee admission to a student's preferred major. Capacity limits for Engineering majors are set by the Faculty.

1. Promotion from Engineering One is based on the following nine courses, which are common to all Engineering majors: Chemistry [1050](#) (or Chemistry [1200](#)), ENGI [1010](#), ENGI [1020](#), ENGI [1030](#), ENGI [1050](#) (or the former ENGI 1040), 3 credit hours in English at the 1000 level or any Critical Reading and Writing course, Mathematics [1001](#), Mathematics [2050](#), and Physics [1051](#). Students are responsible for identifying and completing any needed prerequisites.
2. The minimum requirements for promotion from Engineering One to Academic Term 3 are:
 - a. promotion average of at least 65% in the nine Engineering One courses as listed above;
 - b. a grade of at least 55% or transfer credit in each of the nine Engineering One courses listed above; and
 - c. submission of a Major Preference Form, indicating preferences for Engineering majors in rank order, no later than the last day of classes in the Spring term.
3. At least 15 credit hours in the nine Engineering One courses as listed above must be completed at Memorial University to be eligible for promotion to Academic Term 3.

4. Meeting the minimum Engineering One promotion requirements does not guarantee promotion to Academic Term 3.
 5. A student promoted to Academic Term 3 with an Engineering One promotion average of 80% or greater is guaranteed their preferred major.
 6. A student who meets the promotion requirements with a promotion average of less than 80% will be promoted as Faculty capacity permits.
 7. If a student fails an Engineering One course more than once, that student will be withdrawn from the Engineering program.
 8. Students must complete the requirements for Engineering One within two academic years. A student who is not promoted at the end of the academic year following the academic year of admission will be withdrawn from the Engineering program.
 9. The Faculty reserves the right to guarantee admission into a particular major, subject to meeting minimum promotion requirements, at the time of admission into the Engineering program.
-

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Appendix Page

RESOURCE IMPLICATIONS

This proposal will reduce the probability of a major “over-filling”, which is a positive resource implication. There are no other resource implications.

CONSULTATIONS SOUGHT

Academic Unit	Reply received
Humanities and Social Sciences	No
Business Administration	Yes
Education	No
Human Kinetics and Recreation	No
Medicine	Yes
Music	No
Nursing	Yes
Pharmacy	Yes
Science (1 department)	No
Social Work	No
Library	Yes
Grenfell Campus	
Arts and Social Science	No
Science and the Environment	No
Fine Arts	No
Marine Institute	
	No
Labrador Institute	
Arctic and Subarctic Studies	No

LIBRARY REPORT

Not applicable

Consultation e-mail, sent 2024 Oct. 16

From Engineering Consult <enrconsult@mun.ca>
To Business Administration, Consultations <eoldford@mun.ca>, Education, Consultations <educdean@mun.ca>, School of Arts and Social Science Grenfell <gcsass@mun.ca>, School of Fine Arts Grenfell <gcsofa@mun.ca>, School of Science and the Environment Grenfell <gcsse@mun.ca>, HKR <hkrdean@mun.ca>, HSS, Consultations <assocdeancphss@mun.ca>, Arctic and Subarctic Studies Labrador Institute <sylvia.moore@mun.ca>, Marine, Institute <miugconsultations@mi.mun.ca>, Medicine, Dean of <DeanOfMedicine@mun.ca>, Music, Consultations <musicdean@mun.ca>, Nursing, Dean of <deanNurse@mun.ca>, Pharmacy, School of <pharminfo@mun.ca>, Dean of Science <deansci@mun.ca>, Social Work, School of <adeanugradswk@mun.ca>, University Librarian <univlib@mun.ca>
Cc Salim Ahmed <sahmed@mun.ca>, Jonathan Anderson <jonathan.anderson@mun.ca>, Assistant Registrar Engineering <enr_registrar@mun.ca>, Marissella Garzon <mgarzon@mun.ca>, Jayde Edmunds <edmundsj@mun.ca>
Date Wed 15:23

Please find attached proposed Calendar changes to

1. require students to take at Memorial a majority of the nine courses that count towards the Engineering One promotion average;
2. raise the Engineering One promotion average threshold, at which a student is guaranteed promotion to their choice of major, from 75% to 80%; and
3. confirm that decisions of the Admissions Committee are final.

We would appreciate receipt of any comments by November 14.

--

Dr. Glyn George, Chair
Committee on Undergraduate Studies
Faculty of Engineering and Applied Science
Memorial University of Newfoundland
St. John's NL A1B 3X5

Replies

From the Faculty of Medicine, 2024 October 16

From medvicedean <medvicedean@mun.ca>
To engrconsult@mun.ca <engrconsult@mun.ca>
Cc Dean of Medicine : McKeen, Dr. Dolores <deanofmedicine@mun.ca>
Date Wed 19:07
Hi,

On behalf of the Faculty of Medicine there are no concerns with the three points proposed:

1. require students to take at Memorial a majority of the nine courses that count towards the Engineering One promotion average;
2. raise the Engineering One promotion average threshold, at which a student is guaranteed promotion to their choice of major, from 75% to 80%; and
3. confirm that decisions of the Admissions Committee are final.

Thanks, Danielle

DANIELLE O'KEEFE MD CCFP FCFP MSc CCPE
Vice Dean, Education and Faculty Affairs
Associate Professor of Family Medicine

Faculty of Medicine
Memorial University of Newfoundland

From the Faculty of Nursing, 2024 October 17

From DeanNurse <DeanNurse@mun.ca>
To Engineering Consult <engrconsult@mun.ca>
Date Today 08:58
Good morning Dr. George,

Dr. Pike has reviewed the calendar changes and she tells me that she sees no questions or concerns from the Faculty of Nursing.

Have a great day!
Jane

From the School of Pharmacy, 2024 October 18

From McGrath, Gerona <geronam@mun.ca>
To Engineering Consult <engrconsult@mun.ca>
Date Today 15:28

Thank you for the opportunity to review the proposed changes to both the proposed changes to the Engineering promotion bases and the appeals language. There is no impact on the School of Pharmacy.

Gerona

From the University Libraries, 2024 November 01

From Rose, Kathryn <kathrynr@mun.ca>
To engrconsult@mun.ca <engrconsult@mun.ca>
Date Today 13:27

Good afternoon Glyn,

The following changes will not impact the library.

Kathryn

Kathryn Rose, MLIS, PhD (she/her) | Head, Collections Strategies
Memorial University Libraries

From the Faculty of Business Administration, 2024 November 04

From Furey, Mary A <mfurey@mun.ca>
To engrconsult@mun.ca <engrconsult@mun.ca>
Date Mon 17:22

Hello,

We have no concerns or comments regarding this proposal.

Thank you

Mary
Mary Furey | Associate Dean, Undergraduate Programs and Accreditation
Faculty of Business Administration

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Cover Page

LIST OF CHANGES

Indicate the Calendar change(s) being proposed by checking and completing as appropriate:

- New course(s):
- Amended or deleted course(s):
- New program(s):
- Amended or deleted program(s): *10.2.11 Biology and Statistics Joint Honours*
- New, amended or deleted Glossary of Terms Used in the Calendar entries
- New, amended or deleted Admission/Readmission to the University (Undergraduate) regulations
- New, amended or deleted General Academic Regulations (Undergraduate)
- New, amended or deleted Faculty, School or Departmental regulations
- Other:

ADMINISTRATIVE AUTHORIZATION

By signing below, you are confirming that the attached Calendar changes have obtained all necessary Faculty/School approvals, and that the costs, if any, associated with these changes can be met from within the existing budget allocation or authorized new funding for the appropriate academic unit.

Signature of Dean/Vice-President:



Date:

November 20, 2024

Date of approval by Faculty/Academic Council: November 20, 2024

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Senate Summary Page for Programs

PROGRAM TITLE

Biology and Statistics Joint Honours (10.2.11)

RATIONALE

In a previous calendar change CHEM 2401 (Introductory Organic Chemistry II) was removed from the Biology major programs, including most of the joint honours programs. This course was only kept in those programs where CHEM 2401 was required from the side of the other major subject. This proposal removes CHEM 2401 from one such joint honours program that was missed in the previous proposal.

CALENDAR CHANGES

10.2.11 Biology and Statistics Joint Honours

As a component of the Degree Regulations for the Honours Degree of Bachelor of Science, the following courses are required:

5. Chemistry 2400 ~~and 2401~~, Human Biosciences 2001 or the former Biochemistry 2101 or 2201, and Human Biosciences 2003 or the former Biochemistry 3106 or 3206;
6. Biology 2060, 2250, 2600, 2900, one of 3401, 3402, or 4404. In addition, further Biology courses at the 2000, 3000 or 4000 level must be selected by the student in consultation with the supervisor to make up a minimum of 42 credit hours in Biology but not including Biology 499A or 499B;
7. Either Biology 499A/B or Statistics 459A/B; and
8. A computing course. Computer Science 1510 is recommended.

CALENDAR ENTRY AFTER CHANGES

10.2.11 Biology and Statistics Joint Honours

As a component of the Degree Regulations for the Honours Degree of Bachelor of Science, the following courses are required:

5. Chemistry 2400, Human Biosciences 2001 or the former Biochemistry 2101 or 2201, and Human Biosciences 2003 or the former Biochemistry 3106 or 3206;

6. Biology 2060, 2250, 2600, 2900, one of 3401, 3402, or 4404. In addition, further Biology courses at the 2000, 3000 or 4000 level must be selected by the student in consultation with the supervisor to make up a minimum of 42 credit hours in Biology but not including Biology 499A or 499B;

7. Either Biology 499A/B or Statistics 459A/B; and

8. A computing course. Computer Science 1510 is recommended.

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Appendix Page

CONSULTATIONS SOUGHT

Academic Unit	Email Address	Response Received?
St. John's Campus		
Humanities and Social Sciences	hss@mun.ca	
Business Administration	eoldford@mun.ca	
Education	efurey@mun.ca	
Engineering and Applied Science	engrconsult@mun.ca	
Human Kinetics and Recreation	hkrdean@mun.ca	
Medicine	deanofmedicine@med.mun.ca	
Music	musicdean@mun.ca	
Nursing	deanNurse@mun.ca	
Pharmacy	pharminfo@mun.ca	
Science	deansci@mun.ca	
Social Work	adeanugradswk@mun.ca	
Library	univlib@mun.ca	
Grenfell Campus		
Arts and Social Science	kjacobse@grenfell.mun.ca	
Science and the Environment	ssedean@grenfell.mun.ca	
Fine Arts	pride@grenfell.mun.ca	
Marine Institute		
	miugconsultations@mi.mun.ca	
Labrador Institute		
Arctic and Subarctic Studies	ashlee.cunsolo@mun.ca	

RESOURCE IMPLICATIONS

No resource implications associated with this proposal.

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Cover Page

LIST OF CHANGES

Indicate the Calendar change(s) being proposed by checking and completing as appropriate:

- New course(s):
- Amended or deleted course(s):
- New program(s): Concentrations in Artificial Intelligence, Data-centric Computing, Theory of Computation, Visual Computing and Games
- Amended or deleted program(s): 11.4.5 Major in Computer Science (Data-centric Computing), Major in Computer Science (Smart Systems), Major in Computer Science (Visual Computing and Games)
- New, amended or deleted Glossary of Terms Used in the Calendar entries
- New, amended or deleted Admission/Readmission to the University (Undergraduate) regulations
- New, amended or deleted General Academic Regulations (Undergraduate)
- New, amended or deleted Faculty, School or Departmental regulations
- Other:

ADMINISTRATIVE AUTHORIZATION

By signing below, you are confirming that the attached Calendar changes have obtained all necessary Faculty/School approvals, and that the costs, if any, associated with these changes can be met from within the existing budget allocation or authorized new funding for the appropriate academic unit.

Signature of Dean/Vice-President:



Date:

November 21, 2024

Date of approval by Faculty/Academic Council: November 21, 2024

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Senate Summary Page for Programs

PROGRAM TITLE

11.4.5 Major in Computer Science (Data-centric Computing) (B.Sc. only) -- REMOVE

11.4.6 Major in Computer Science (Smart Systems) (B.Sc. only) -- REMOVE

11.4.7 Major in Computer Science (Visual Computing and Games) (B.Sc. only) -- REMOVE

11.4.9 Computer Science Concentrations -- NEW

RATIONALE

We currently offer a “general” major in computer science and three “stream” majors, Data-centric Computing, Smart Systems and Visual Computing and Games. The streams are only available to BSc majors, not to BA majors or honours students. Students must formally declare at most one stream as their program. We propose to move from offering streams to offering concentrations. The motivation is to provide more program flexibility and to widen access whilst still allowing students to demonstrate specialization within computer science. Concentrations can be completed by BA and BSc majors, and by honours students. Students can complete more than one concentration. When applying to graduate, a student who has completed a concentration can expressly state to the Registrar in writing that they are also applying for a concentration designation. We also take this opportunity to add a concentration in a new area, the Theory of Computation.

ANTICIPATED EFFECTIVE DATE

Fall 2025

CALENDAR CHANGES

~~[11.4.5 Major in Computer Science \(Data-centric Computing\) \(B.Sc. only\)](#)~~

~~As a component of the [Degree Regulations for the General Degree of Bachelor of Science](#) a student must successfully complete the following courses:~~

- ~~1. Forty five credit hours in Computer Science courses are required for a major in Computer Science (Data-centric Computing):~~

- a. ~~Computer Science [1001](#), [1002](#), [1003](#), [2001](#), [2002](#), [2003](#), [2004](#), [2005](#), [2006](#), [2007](#), and [2008](#);~~
 - b. ~~Computer Science [3202](#), [3400](#), [3401](#) and [4304](#); and~~
 - c. ~~Six additional credit hours in Computer Science courses selected from Computer Science [3019](#), [4550](#), [4734](#), [4750](#), [4754](#), [4019](#). Some of these courses require the completion of prerequisites that are not themselves part of the major.~~
2. ~~Additional courses required are: Mathematics [1000](#), [1001](#), [2000](#), [2050](#), and Statistics [2500](#) or [2550](#).~~
- It is recommended, but not required, that students take Business [4720](#).

[11.4.6 Major in Computer Science \(Smart Systems\) \(B.Sc. only\)](#)

As a component of the [Degree Regulations for the General Degree of Bachelor of Science](#) a student must successfully complete the following courses:

- 1. ~~Forty five credit hours in Computer Science courses are required for a major in Computer Science (Smart Systems):~~
 - a. ~~Computer Science [1001](#), [1002](#), [1003](#), [2001](#), [2002](#), [2003](#), [2004](#), [2005](#), [2006](#), [2007](#), and [2008](#);~~
 - b. ~~Computer Science [3200](#), [3201](#), [3202](#) and one of [3301](#), [3401](#) or [3550](#); and~~
 - c. ~~Six additional credit hours in Computer Science courses selected from Computer Science [4301](#), [4303](#), [4750](#), [4766](#).~~
- 2. ~~Additional courses required are: Mathematics [1000](#), [1001](#), [2000](#), [2050](#), and Statistics [2500](#) or [2550](#).~~

[11.4.7 Major in Computer Science \(Visual Computing and Games\) \(B.Sc. only\)](#)

As a component of the [Degree Regulations for the General Degree of Bachelor of Science](#) a student must successfully complete the following courses:

- 1. ~~Forty five credit hours in Computer Science courses are required for a major in Computer Science (Visual Computing and Games):~~
 - a. ~~Computer Science [1001](#), [1002](#), [1003](#), [2001](#), [2002](#), [2003](#), [2004](#), [2005](#), [2006](#), [2007](#), and [2008](#);~~
 - b. ~~Computer Science [3300](#), [3301](#), and [4300](#);~~
 - c. ~~Six additional credit hours in Computer Science courses selected from Computer Science [3200](#), [4301](#), [4302](#), [4303](#), [4304](#); and~~
 - d. ~~Three additional credit hours in Computer Science courses selected from those listed in c. above, or Computer Science [4766](#), [4768](#).~~
- 2. ~~Additional courses required are: Mathematics [1000](#), [1001](#), [2000](#), [2050](#), and Statistics [2500](#) or [2550](#).~~

11.4.9 Computer Science Concentrations

While meeting the requirements for a majors or honours program in Computer Science, students may choose to select courses in one of the following formal concentrations which, if completed, will be noted on the student's transcript.

Particular attention should be paid to necessary prerequisites when scheduling courses. Students should consult with the Academic Officer regarding the availability of courses applicable to their chosen concentration.

11.4.9.1 Artificial Intelligence

Students selecting an Artificial Intelligence concentration are required to complete 18 credit hours as follows:

- a. Computer Science 3200, 3202
- b. Twelve additional credit hours selected from Computer Science 3201, 3401, 3766, 4301, 4303, 4750, 4766, Statistics 4486

11.4.9.2 Data-centric Computing

Students selecting a Data-centric Computing concentration are required to complete 18 credit hours as follows:

- a. Computer Science 3400, 3401, 4304, 4754
- b. Six additional credit hours selected from Computer Science 3202, 3730, 3731, 3550, 4550, 4734, 4750, Statistics 3530, 4411, 4486

11.4.9.3 Theory of Computation

Students selecting a Theory of Computation concentration are required to complete 18 credit hours as follows:

- a. Computer Science 3600, 3602, 4742
- b. Nine additional credit hours selected from Computer Science 4741, 4743, 4750, 499A/B (Note: 499A/B are only available to students who have been admitted to the Computer Science honours program), Mathematics 3240, 3300, 3320, 3340, 3370, 4252, 4320, 4321, 4331, 4340, 4341, 4370

11.4.9.4 Visual Computing and Games

Students selecting a Visual Computing and Games concentration are required to complete 18 credit hours as follows:

- a. Computer Science 3300, 3301, 4300
- b. Nine additional credit hours selected from Computer Science 3200, 3730, 3766, 4301, 4302, 4303, 4304, 4766, 4768

CALENDAR ENTRY AFTER CHANGES

11.4.9 Computer Science Concentrations

While meeting the requirements for a majors or honours program in Computer Science, students may choose to select courses in one of the following formal concentrations which, if completed, will be noted on the student's transcript.

Particular attention should be paid to necessary prerequisites when scheduling courses. Students should consult with the Academic Officer regarding the availability of courses applicable to their chosen concentration.

11.4.9.1 Artificial Intelligence

Students selecting an Artificial Intelligence concentration are required to complete 18 credit hours as follows:

- a. Computer Science 3200, 3202
- b. Twelve additional credit hours selected from Computer Science 3201, 3401, 3766, 4301, 4303, 4750, 4766, Statistics 4486

11.4.9.2 Data-centric Computing

Students selecting a Data-centric Computing concentration are required to complete 18 credit hours as follows:

- a. Computer Science 3400, 3401, 4304, 4754
- b. Six additional credit hours selected from Computer Science 3202, 3730, 3731, 3550, 4550, 4734, 4750, Statistics 3530, 4411, 4486

11.4.9.3 Theory of Computation

Students selecting a Theory of Computation concentration are required to complete 18 credit hours as follows:

- a. Computer Science 3600, 3602, 4742
- b. Nine additional credit hours selected from Computer Science 4741, 4743, 4750, 499A/B (Note: 499A/B are only available to students who have been admitted to

the Computer Science honours program), Mathematics 3240, 3300, 3320, 3340, 3370, 4252, 4320, 4321, 4331, 4340, 4341, 4370

11.4.9.4 Visual Computing and Games

Students selecting a Visual Computing and Games concentration are required to complete 18 credit hours as follows:

- a. Computer Science 3300, 3301, 4300
- b. Nine additional credit hours selected from Computer Science 3200, 3730, 3766, 4301, 4302, 4303, 4304, 4766, 4768

SECONDARY CALENDAR CHANGES

[11.4.11.1 Admission Requirements](#)

In order to be considered for admission to the CICS, an applicant:

1. must be a declared Computer Science Major;
2. must be registered as a full-time student at the time of application;
3. must have successfully completed Computer Science [1001](#), [1002](#), [1003](#), [2001](#), [2002](#), [2003](#), [2004](#), [2005](#), [2006](#), [2007](#), [2008](#) and 6 credit hours at the 3000 level or beyond prior to the start of the internship;
4. must have completed at least 75 credit hours prior to the start of the internship;
5. must have at least 15 credit hours remaining after the co-operative internship in order to satisfy degree requirements, as described under [Major in Computer Science](#) or [Honours in Computer Science](#), at least 3 credit hours of which must be in Computer Science courses. ~~Course requirements specific to the programs in Data-Centric Computing, Smart Systems, or Visual Computing and Games are not considered if the student would otherwise satisfy the requirements for the Major in Computer Science or the Honours in Computer Science; concentrations are not considered if the student would otherwise satisfy the requirements for the Major in Computer Science or the Honours in Computer Science; and~~
6. is expected to return to University as a full-time student after the co-operative internship.

In addition to the above, admission is also subject to academic performance.

15.4 Computer Science

www.mun.ca/computerscience

For Departmental Regulations and Course Descriptions, see [Faculty of Science](#) section of the Calendar.

The following undergraduate programs are available in the Department of Computer Science:

1. [Applied Mathematics and Computer Science Joint Major](#)
2. [Computer Internship Option \(CIIO\)](#)
3. [Computer Science Honours \(B.A., B.Sc.\)](#)
4. [Computer Science and Economics Joint Major](#)
5. [Computer Science and Geography Joint Honours](#)
6. [Computer Science and Geography Joint Major](#)
7. [Computer Science and Physics Joint Honours \(B.Sc. only\)](#)
8. [Computer Science and Physics Joint Major \(B.Sc. only\)](#)
9. [Computer Science and Pure Mathematics Joint Honours](#)
10. [Computer Science and Pure Mathematics Joint Major](#)
11. [Computer Science and Statistics Joint Honours](#)
12. [Computer Science and Statistics Joint Major](#)
13. [Computer Science \(Software Engineering\) Honours \(B.Sc. only\)](#)
14. [Major in Computer Science](#)
15. ~~[Major in Computer Science \(Data-centric Computing\) \(B.Sc. only\)](#)~~
16. ~~[Major in Computer Science \(Smart Systems\) \(B.Sc. only\)](#)~~
17. ~~[Major in Computer Science \(Visual Computing and Games\) \(B.Sc. only\)](#)~~
18. [Minor in Computer Science](#)

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Appendix Page

CONSULTATIONS SOUGHT

Academic Advising Centre
Humanities and Social Sciences
Business Administration—no concerns
Education
Engineering and Applied Science—support change
Grenfell Campus (Arts & Social Sciences)
Grenfell Campus (Science and the Environment)
Grenfell Campus (Fine Arts)
Human Kinetics and Recreation
Library—no impact on Library
Marine Institute
Medicine—no concerns
Music
Nursing—no concerns
Pharmacy—no impact on Pharmacy
Social Work—support change
Science
<ul style="list-style-type: none"> • Biochemistry • Biology • Chemistry • Earth Sciences • Geography • Mathematics and Statistics • Ocean Sciences • Physics and Physical Oceanography

- Psychology—change is reasonable

LIBRARY REPORT

No additional requirements.

RESOURCE IMPLICATIONS

There are no resource implications associated with this change

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Cover Page

LIST OF CHANGES

Indicate the Calendar change(s) being proposed by checking and completing as appropriate:

- New course(s):
- Amended or deleted course(s):
- New program(s):
- Amended or deleted program(s):
- New, amended or deleted Glossary of Terms Used in the Calendar entries
- New, amended or deleted Admission/Readmission to the University (Undergraduate) regulations
- New, amended or deleted General Academic Regulations (Undergraduate)
- New, amended or deleted Faculty, School or Departmental regulations
- Other:

ADMINISTRATIVE AUTHORIZATION

By signing below, you are confirming that the attached Calendar changes have obtained all necessary Faculty/School approvals, and that the costs, if any, associated with these changes can be met from within the existing budget allocation or authorized new funding for the appropriate academic unit.

Signature of Dean/Vice-President:



Date:

November 21, 2024

Date of approval by Faculty/Academic Council: November 21, 2024

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Senate Summary Page for Programs

PROGRAM TITLE

11.4.1 Admission to Major Programs

RATIONALE

As part of the Computer Science program, students are required to complete Math 1000, 1001, 2000, 2050 and Stats 2550/2500. In order to be eligible for the Computer Science program students are required to complete Math 1000 and either Math 1090 or 1001. For example, sometimes students have completed Math 1000 and 2050 but we do not consider these students eligible. We would like to include Math 2050 and 2000 as options for satisfying the math requirement for computer science program eligibility. This will not change the overall requirements for a CS Major but allow more flexibility for students satisfying the math requirement.

ANTICIPATED EFFECTIVE DATE

Fall 2025

CALENDAR CHANGES

[11.4.1 Admission to Major Programs](#)

Admission to the Major programs in the Department of Computer Science is competitive and selective. Students who wish to enter these programs must submit a completed application form to the Department of Computer Science on or before 11:59 p.m. (Newfoundland time) on May 31 for Fall semester registration and on or before 11:59 p.m. (Newfoundland time) on August 31 for Winter semester registration. The online application form is located on the Department of Computer Science's [website](#).

To be eligible for admission students must have normally completed 24 credit hours as listed below:

1. Computer Science [1001](#), [1002](#).
2. Six credit hours in [Critical Reading and Writing \(CRW\) courses](#), including at least 3 credit hours in English courses. Critical Reading and Writing (CRW) courses are regulated by the Faculty of Humanities and Social Sciences. Eligible CRW courses are indicated under [Faculty of Humanities and Social Sciences, Course Descriptions](#).

3. ~~Mathematics [1000](#) and [1001](#) (or [1090](#) and [1000](#)).~~ Mathematics 1000 (or 1006) and one of 1090, 1001, 2000, 2050.
4. Six credit hours in other courses.

Students who fulfill the eligibility requirements compete for a limited number of available spaces. Selection is based on academic performance, normally cumulative average and performance in recent courses.

CALENDAR ENTRY AFTER CHANGES

[11.4.1 Admission to Major Programs](#)

Admission to the Major programs in the Department of Computer Science is competitive and selective. Students who wish to enter these programs must submit a completed application form to the Department of Computer Science on or before 11:59 p.m.

(Newfoundland time) on May 31 for Fall semester registration and on or before 11:59 p.m. (Newfoundland time) on August 31 for Winter semester registration. The online application form is located on the Department of Computer Science's [website](#).

To be eligible for admission students must have normally completed 24 credit hours as listed below:

1. Computer Science [1001](#), [1002](#).
2. Six credit hours in [Critical Reading and Writing \(CRW\) courses](#), including at least 3 credit hours in English courses. Critical Reading and Writing (CRW) courses are regulated by the Faculty of Humanities and Social Sciences. Eligible CRW courses are indicated under [Faculty of Humanities and Social Sciences, Course Descriptions](#).
3. Mathematics 1000 (or 1006) and one of 1090, 1001, 2000, 2050.
4. Six credit hours in other courses.

Students who fulfill the eligibility requirements compete for a limited number of available spaces. Selection is based on academic performance, normally cumulative average and performance in recent courses.

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Appendix Page

CONSULTATIONS SOUGHT

Academic Advising Centre
Humanities and Social Sciences
Business Administration—no concerns
Education
Engineering and Applied Science—support change
Grenfell Campus (Arts & Social Sciences)
Grenfell Campus (Science and the Environment)
Grenfell Campus (Fine Arts)
Human Kinetics and Recreation
Library—no impact on Library
Marine Institute
Medicine—no concerns
Music
Nursing—no concerns
Pharmacy—no impact on Pharmacy
Social Work—support change
Science
<ul style="list-style-type: none"> • Biochemistry • Biology • Chemistry • Earth Sciences • Geography • Mathematics and Statistics • Ocean Sciences • Physics and Physical Oceanography

- Psychology—change is reasonable

LIBRARY REPORT

No additional requirements.

RESOURCE IMPLICATIONS

There are no resource implications associated with this change

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Cover Page

LIST OF CHANGES

Indicate the Calendar change(s) being proposed by checking and completing as appropriate:

- New course(s):
- Amended or deleted course(s):
- New program(s):
- Amended or deleted program(s):
- New, amended or deleted Glossary of Terms Used in the Calendar entries
- New, amended or deleted Admission/Readmission to the University (Undergraduate) regulations
- New, amended or deleted General Academic Regulations (Undergraduate)
- New, amended or deleted Faculty, School or Departmental regulations
- Other:

ADMINISTRATIVE AUTHORIZATION

By signing below, you are confirming that the attached Calendar changes have obtained all necessary Faculty/School approvals, and that the costs, if any, associated with these changes can be met from within the existing budget allocation or authorized new funding for the appropriate academic unit.

Signature of Dean/Vice-President:



Date:

November 21, 2024

Date of approval by Faculty/Academic Council: November 21, 2024

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Senate Summary Page for Programs

PROGRAM TITLE

11.4.1 Admission to Major Programs

RATIONALE

Students are required to complete 24 credit hours in order to be considered eligible for the Computer Science program. These credit hours are comprised of computer science, math and critical reading and writing courses, as well as electives. There is no requirement for any of these courses to have been completed at Memorial University and there is no requirement that any of these courses have a numerical grade. We would like to add a requirement that students must have received a numerical grade for at least five courses in order to be considered eligible for the program. This change will prevent the situation where a student applies with all transfer credits from another institution and we can't get a sense of their academic ability.

ANTICIPATED EFFECTIVE DATE

Fall 2025

CALENDAR CHANGES

[11.4.1 Admission to Major Programs](#)

Admission to the Major programs in the Department of Computer Science is competitive and selective. Students who wish to enter these programs must submit a completed application form to the Department of Computer Science on or before 11:59 p.m. (Newfoundland time) on May 31 for Fall semester registration and on or before 11:59 p.m. (Newfoundland time) on August 31 for Winter semester registration. The online application form is located on the Department of Computer Science's [website](#).

To be eligible for admission students must have normally completed 24 credit hours as listed below:

1. Computer Science [1001](#), [1002](#).
2. Six credit hours in [Critical Reading and Writing \(CRW\) courses](#), including at least 3 credit hours in English courses. Critical Reading and Writing (CRW) courses are regulated by the Faculty of Humanities and Social Sciences. Eligible CRW

courses are indicated under [Faculty of Humanities and Social Sciences, Course Descriptions](#).

3. Mathematics 1000 and one of 1090, 1001, 2000, 2050
4. Six credit hours in other courses.

Transfer credits for the above requirements are accepted. A student must have obtained at least five numeric grades in Memorial University courses in order to be considered for admission.

Students who fulfill the eligibility requirements compete for a limited number of available spaces. Selection is based on academic performance, normally cumulative average and performance in recent courses.

CALENDAR ENTRY AFTER CHANGES

[11.4.1 Admission to Major Programs](#)

Admission to the Major programs in the Department of Computer Science is competitive and selective. Students who wish to enter these programs must submit a completed application form to the Department of Computer Science on or before 11:59 p.m.

(Newfoundland time) on May 31 for Fall semester registration and on or before 11:59 p.m. (Newfoundland time) on August 31 for Winter semester registration. The online application form is located on the Department of Computer Science's [website](#).

To be eligible for admission students must have normally completed 24 credit hours as listed below:

5. Computer Science [1001](#), [1002](#).
6. Six credit hours in [Critical Reading and Writing \(CRW\) courses](#), including at least 3 credit hours in English courses. Critical Reading and Writing (CRW) courses are regulated by the Faculty of Humanities and Social Sciences. Eligible CRW courses are indicated under [Faculty of Humanities and Social Sciences, Course Descriptions](#).
7. Mathematics 1000 and one of 1090, 1001, 2000, 2050
8. Six credit hours in other courses.

Transfer credits for the above requirements are accepted. A student must have obtained at least five numeric grades in Memorial University courses in order to be considered for admission.

Students who fulfill the eligibility requirements compete for a limited number of available spaces. Selection is based on academic performance, normally cumulative average and performance in recent courses.

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Appendix Page

CONSULTATIONS SOUGHT

Academic Advising Centre
Humanities and Social Sciences
Business Administration—no concerns
Education
Engineering and Applied Science—support change
Grenfell Campus (Arts & Social Sciences)
Grenfell Campus (Science and the Environment)
Grenfell Campus (Fine Arts)
Human Kinetics and Recreation
Library—no impact on Library
Marine Institute
Medicine—no concerns
Music
Nursing—no concerns
Pharmacy—no impact on Pharmacy
Social Work—support change
Science
<ul style="list-style-type: none"> • Biochemistry • Biology • Chemistry • Earth Sciences • Geography • Mathematics and Statistics • Ocean Sciences • Physics and Physical Oceanography

- Psychology—change is reasonable

LIBRARY REPORT

No additional requirements.

RESOURCE IMPLICATIONS

There are no resource implications associated with this change

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Cover Page

LIST OF CHANGES

Indicate the Calendar change(s) being proposed by checking and completing as appropriate:

- New course(s):
- Amended or deleted course(s):
- New program(s):
- Amended or deleted program(s): *Marine Biology & Marine Biology (Hons)*
- New, amended or deleted Glossary of Terms Used in the Calendar entries
- New, amended or deleted Admission/Readmission to the University (Undergraduate) regulations
- New, amended or deleted General Academic Regulations (Undergraduate)
- New, amended or deleted Faculty, School or Departmental regulations
- Other:

ADMINISTRATIVE AUTHORIZATION

By signing below, you are confirming that the attached Calendar changes have obtained all necessary Faculty/School approvals, and that the costs, if any, associated with these changes can be met from within the existing budget allocation or authorized new funding for the appropriate academic unit.

Signature of Dean/Vice-President:



Date:

November 21, 2024

Date of approval by Faculty/Academic Council: November 21, 2024

Memorial University of Newfoundland

Undergraduate Calendar Change Proposal Form

Senate Summary Page for Programs

PROGRAM TITLE

Marine Biology Joint Major (10.1.13)

Marine Biology Joint Honours (10.2.25)

RATIONALE

This proposal addresses a small number of relatively minor changes to ensure recently cross-listed courses required for these major programs are counted appropriately. BIOL 3710 & 3711 were recently cross-listed to OCSC 3710 & 3711. The cross-listed versions of these courses were not included in the Marine Biology program regulations leading to difficulties/confusion for students and staff at the registrar's office. The proposed changes will amend the program to eliminate this confusion. Additionally, MATH 1006 (Calculus for Life Sciences) is being added as an alternative to MATH 1000, an appropriate addition given the focus of the Marine Biology programs.

CALENDAR CHANGES

10.1.13.1 Admission Requirements

4. Mathematics 1000 or 1006;

10.1.13.2 Program of Study

2. Mathematics 1000 or 1006;

8. Biology 1001, 1002, 2060, 2122, 2250 (or Human Biosciences 2004 or the former Biochemistry 2200 or 2100), 2600, and 2900, ~~3710, and 3714~~;

9. Ocean Sciences 1000, 2000, 2001, 2100, and at least one of 2500 or 4500 (or Biology 3709 or 4710);

10. Biology 3710 and 3711, or Ocean Sciences 3710 and 3711

11 Additional courses to complete the required 60 combined credit hours in Biology and Ocean Sciences with a minimum of 27 credit hours in each subject (except Biology 2040, 2041, 2120, 3053, and 3820). A minimum of 6 credit hours in Biology at the 3000/4000 level and 12 credit hours in Ocean Sciences at the 3000/4000 level is required; and

124. Other courses as necessary to complete the minimum of 120 credit hours required for the General Degree of Bachelor of Science.

10.2.25 Marine Biology Joint Honours

2. Mathematics 1000 or 1006;

8. Biology 1001, 1002, 2060, 2122, 2250 (or Human Biosciences 2004 or the former Biochemistry 2100 or 2200), 2600, and 2900, ~~3710, and 3714~~;

9. Ocean Sciences 1000, 2000, 2001, 2100, 2300 and at least one of 2500 or 4500 (or Biology 3709 or 4710);

10. Additional courses to complete a required 69 combined credit hours in Biology and Ocean Sciences with a minimum of 30 credit hours in either subject (except Biology 2040, 2041, 2120, 3053, and 3820). A minimum of 9 credit hours in Biology at the 3000/4000 level and 15 credit hours in Ocean Sciences at the 3000/4000 level is required;

11. Biology 3710 and 3711, or Ocean Sciences 3710 and 3711, and Biology 499A/B or Ocean Sciences 499A/B ~~Either Biology 499A and 499B or Ocean Sciences 499A – 499B~~; and

12. A sufficient number of elective courses to bring the degree total to 120 credit hours.

CALENDAR ENTRY AFTER CHANGES

10.1.13.1 Admission Requirements

4. Mathematics 1000 or 1006;

10.1.13.2 Program of Study

2. Mathematics 1000 or 1006;

8. Biology 1001, 1002, 2060, 2122, 2250 (or Human Biosciences 2004 or the former Biochemistry 2200 or 2100), 2600, and 2900;

9. Ocean Sciences 1000, 2000, 2001, 2100, and at least one of 2500 or 4500 (or Biology 3709 or 4710);

10. Biology 3710 and 3711, or Ocean Sciences 3710 and 3711

11. Additional courses to complete the required 60 combined credit hours in Biology and Ocean Sciences with a minimum of 27 credit hours in each subject (except Biology 2040, 2041, 2120, 3053, and 3820). A minimum of 6 credit hours in Biology at the

3000/4000 level and 12 credit hours in Ocean Sciences at the 3000/4000 level is required; and

12. Other courses as necessary to complete the minimum of 120 credit hours required for the General Degree of Bachelor of Science.

10.2.25 Marine Biology Joint Honours

2. Mathematics 1000 or 1006;

8. Biology 1001, 1002, 2060, 2122, 2250 (or Human Biosciences 2004 or the former Biochemistry 2100 or 2200), 2600, and 2900;

9. Ocean Sciences 1000, 2000, 2001, 2100, 2300 and at least one of 2500 or 4500 (or Biology 3709 or 4710);

10. Additional courses to complete a required 69 combined credit hours in Biology and Ocean Sciences with a minimum of 30 credit hours in either subject (except Biology 2040, 2041, 2120, 3053, and 3820). A minimum of 9 credit hours in Biology at the 3000/4000 level and 15 credit hours in Ocean Sciences at the 3000/4000 level is required;

11. Biology 3710 and 3711, or Ocean Sciences 3710 and 3711, and Biology 499A/B or Ocean Sciences 499A/B; and

12. A sufficient number of elective courses to bring the degree total to 120 credit hours.

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Appendix Page

CONSULTATIONS SOUGHT

Academic Unit	Email Address	Response Received?
St. John's Campus		
Humanities and Social Sciences	hss@mun.ca	
Business Administration	eoldford@mun.ca	
Education	efurey@mun.ca	
Engineering and Applied Science	engrconsult@mun.ca	
Human Kinetics and Recreation	hkrdean@mun.ca	
Medicine	deanofmedicine@med.mun.ca	
Music	musicdean@mun.ca	
Nursing	deanNurse@mun.ca	
Pharmacy	pharminfo@mun.ca	
Science	deansci@mun.ca	
Social Work	adeanugradswk@mun.ca	
Library	univlib@mun.ca	
Grenfell Campus		
Arts and Social Science	kjacobse@grenfell.mun.ca	
Science and the Environment	ssedean@grenfell.mun.ca	
Fine Arts	pride@grenfell.mun.ca	
Marine Institute		
	miugconsultations@mi.mun.ca	
Labrador Institute		
Arctic and Subarctic Studies	ashlee.cunsolo@mun.ca	

RESOURCE IMPLICATIONS

No resource implications associated with this proposal.

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Cover Page

LIST OF CHANGES

Indicate the Calendar change(s) being proposed by checking and completing as appropriate:

- New course(s):
- Amended or deleted course(s):
- New program(s):
- Amended or deleted program(s):
 - Computer Science and Physics Joint Major
 - Computer Science and Physics Joint Honours
- New, amended or deleted Glossary of Terms Used in the Calendar entries
- New, amended or deleted Admission/Readmission to the University (Undergraduate) regulations
- New, amended or deleted General Academic Regulations (Undergraduate)
- New, amended or deleted Faculty, School or Departmental regulations
- Other:

ADMINISTRATIVE AUTHORIZATION

By signing below, you are confirming that the attached Calendar changes have obtained all necessary Faculty/School approvals, and that the costs, if any, associated with these changes can be met from within the existing budget allocation or authorized new funding for the appropriate academic unit.

Signature of Dean/Vice-President: _____



Date: _____

November 21, 2024

Date of approval by Faculty/Academic Council: November 21, 2024

Memorial University of Newfoundland

Undergraduate Calendar Change Proposal Form

Senate Summary Page for Programs

PROGRAM TITLE

10.1.6 Computer Science and Physics Joint Major (B.Sc. only)

10.2.17 Computer Science and Physics Joint Honours (B.Sc. only)

RATIONALE

COMP 3731 – Introduction to Scientific Computing is a required course for the Computer Science-Physics joint programs however, this course has not been offered in recent years and is unlikely to be offered in the near future. We are proposing to remove this as a required course and add a requirement for three additional credit hours in Computer Science courses at the 3000-or 4000-level.

We are also proposing to allow Math 1006 as an acceptable option to MATH 1000 for these programs.

Finally, we are proposing to remove a suggestion to take COMP 2500 – Data Analysis with Scripting Languages as an elective for this program because that course also has not been offered in a long time and is unlikely to be offered in the near future.

ANTICIPATED EFFECTIVE DATE

Fall 2025

CALENDAR CHANGES

10.1.6 Computer Science and Physics Joint Major (B.Sc. only)

As a component of the Degree Regulations for the General Degree of Bachelor of Science, the following courses are required:

1. Chemistry 1050 and 1051 (or Chemistry 1010, the former 1011, and the former 1031).
2. Thirty-nine credit hours in Computer Science are required for the Joint Major: 1001, 1002, 1003, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, ~~3731~~ plus ~~9~~ 12 further credit hours in Computer Science courses numbered 3000 or higher, including at least 3 credit hours at the 4000 level.
3. Physics 1050 (or 1020) and 1051 plus at least 30 additional credit hours in Physics including 2053, 2055, 2750, 2820, 3220, 3400, 3500, 3750, 3800.
4.
 - a. Mathematics 1000 (or 1006) and 1001.
 - b. Mathematics 2000, 2050, 2260, 3202.

- c. Additional electives to bring the credit hours to 120. ~~Computer Science 2500 and Statistics 2550 are~~ is recommended.

10.2.17 Computer Science and Physics Joint Honours (B.Sc. only)

The following courses are prescribed:

1. Chemistry 1050 and 1051 (or Chemistry 1010, the former 1011, and the former 1031) (or 1200 and 1001).
2.
 - a. Computer Science 1001, 1002, 1003, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, ~~3734~~.
 - b. ~~Nine~~ Twelve additional credit hours in Computer Science courses numbered 3000 or higher, including at least 3 credit hours in courses at the 4000 level.
3.
 - a. Physics 1050 (or 1020) and 1051.
 - b. Physics 2053, 2055, 2750, 2820, 3220, 3400, 3500, 3750, 3800, and 3820.
 - c. Three additional credit hours in Physics at the 4000 level.
4. Physics 490A/B or Computer Science 499A/B.
5.
 - a. Mathematics 1000 (or 1006) and 1001.
 - b. Mathematics 2000, 2050, 2260, and 3202.
6. Six credit hours in Critical Reading and Writing (CRW) courses, including at least 3 credit hours in English courses.
7. Two electives to bring the total credit hours to 120. ~~Computer Science 2500 and Statistics 2550 are~~ is recommended.

The topic for the honours project or thesis, Computer Science 499A/B or Physics 490A/B, must be chosen with the prior approval of both departments.

CALENDAR ENTRY AFTER CHANGES

10.1.6 Computer Science and Physics Joint Major (B.Sc. only)

As a component of the Degree Regulations for the General Degree of Bachelor of Science, the following courses are required:

5. Chemistry 1050 and 1051 (or Chemistry 1010, the former 1011, and the former 1031).
6. Thirty-nine credit hours in Computer Science are required for the Joint Major: 1001, 1002, 1003, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 plus 12 further credit hours in Computer Science courses numbered 3000 or higher, including at least 3 credit hours at the 4000 level.

7. Physics 1050 (or 1020) and 1051 plus at least 30 additional credit hours in Physics including 2053, 2055, 2750, 2820, 3220, 3400, 3500, 3750, 3800.
8.
 - a. Mathematics 1000 (or 1006) and 1001.
 - b. Mathematics 2000, 2050, 2260, 3202.
 - c. Additional electives to bring the credit hours to 120. Statistics 2550 is recommended.

10.2.17 Computer Science and Physics Joint Honours (B.Sc. only)

The following courses are prescribed:

8. Chemistry 1050 and 1051 (or Chemistry 1010, the former 1011, and the former 1031) (or 1200 and 1001).
9.
 - a. Computer Science 1001, 1002, 1003, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008.
 - b. Twelve additional credit hours in Computer Science courses numbered 3000 or higher, including at least 3 credit hours in courses at the 4000 level.
10.
 - a. Physics 1050 (or 1020) and 1051.
 - b. Physics 2053, 2055, 2750, 2820, 3220, 3400, 3500, 3750, 3800, and 3820.
 - c. Three additional credit hours in Physics at the 4000 level.
11. Physics 490A/B or Computer Science 499A/B.
12.
 - a. Mathematics 1000 (or 1006) and 1001.
 - b. Mathematics 2000, 2050, 2260, and 3202.
13. Six credit hours in Critical Reading and Writing (CRW) courses, including at least 3 credit hours in English courses.
14. Two electives to bring the total credit hours to 120. Statistics 2550 is recommended.

The topic for the honours project or thesis, Computer Science 499A/B or Physics 490A/B, must be chosen with the prior approval of both departments.

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Appendix Page

CONSULTATIONS SOUGHT

Academic Advising Centre
Humanities and Social Sciences
Business Administration
Education
Engineering and Applied Science
Grenfell Campus (Arts & Social Sciences)
Grenfell Campus (Science and the Environment)
Grenfell Campus (Fine Arts)
Human Kinetics and Recreation
Library
Marine Institute
Medicine
Music
Nursing—no impact on Nursing
Pharmacy—no impact on Pharmacy
Social Work
Science
<ul style="list-style-type: none"> • Biochemistry • Biology • Chemistry • Earth Sciences • Geography • Mathematics and Statistics • Ocean Sciences • Physics and Physical Oceanography

- Psychology

LIBRARY REPORT

No additional requirements.

RESOURCE IMPLICATIONS

There are no resource implications associated with this change

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Cover Page

LIST OF CHANGES

Indicate the Calendar change(s) being proposed by checking and completing as appropriate:

- New course(s):
- Amended or deleted course(s):
- New program(s):
- Amended or deleted program(s):
- New, amended or deleted Glossary of Terms Used in the Calendar entries
- New, amended or deleted Admission/Readmission to the University (Undergraduate) regulations
- New, amended or deleted General Academic Regulations (Undergraduate)
- New, amended or deleted Faculty, School or Departmental regulations
- Other:

ADMINISTRATIVE AUTHORIZATION

By signing below, you are confirming that the attached Calendar changes have obtained all necessary Faculty/School approvals, and that the costs, if any, associated with these changes can be met from within the existing budget allocation or authorized new funding for the appropriate academic unit.

Signature of Dean/Vice-President:

Shandra Wright

Date:

November 25, 2024

Date of approval by Faculty/Academic Council:

November 20, 2024

**Memorial University of Newfoundland
Undergraduate Calendar Change Proposal Form
Senate Summary Page for Programs
FOLKLORE MINOR (Grenfell Campus)**

PROGRAM TITLE

Folklore Minor

RATIONALE

Change Folklore Minor (Grenfell Campus) requirements to include FOLK 2230 as an option.

1. Allows for more effective management of teaching units (TUs)
2. Students will have more options to fulfill Folklore Minor requirements;
3. Students will be able to more easily fulfill Folklore Minor requirements;
4. Flexibility provided will ensure that students fulfill Folklore Minor requirements in a timely manner

ANTICIPATED EFFECTIVE DATE

01/03/2025

CALENDAR CHANGES

7.3.13 Minor Programs Offered by the School of Arts and Social Science

Folklore Minor

Folklore 1000, 2100, ~~2300~~, 2401, 2500

Folklore 2230 or 2300

9 additional credit hours in Folklore

CALENDAR ENTRY AFTER CHANGES

7.3.13 Minor Programs Offered by the School of Arts and Social Science

Folklore Minor

Folklore 1000, 2100, 2401, 2500

Folklore 2230 or 2300

9 additional credit hours in Folklore

CONSULTATIONS SOUGHT

Academic Unit	Email Address	Response Received
Humanities and Social Sciences	hss@mun.ca	YES
Business Administration	mfurey@mun.ca	X
Education	efurey@mun.ca	X
Engineering and Applied Science	enrconsult@mun.ca	X
Human Kinetics and Recreation	hkrdean@mun.ca	X
Medicine	deanofmedicine@med.mun.ca	YES
Music	kbulmer@mun.ca	X
Nursing	deanNurse@mun.ca	YES
Pharmacy	pharminfo@mun.ca	YES
Science	deansci@mun.ca	X
Social Work	adeanugradswk@mun.ca	YES
Library	univlib@mun.ca	X
Grenfell Campus		
Arts and Social Science	kjacobse@grenfell.mun.ca	X
Science and the Environment	ssedean@grenfell.mun.ca	YES
Fine Arts	pride@grenfell.mun.ca	X

Marine Institute

miugconsultations@mi.mun.ca

X

Labrador Institute

Arctic and Subarctic Studies

ashlee.cunsolo@mun.ca

X

Penney, Shelli

From: Dold, Patricia
Sent: Monday, October 28, 2024 9:23 AM
To: Penney, Shelli; Robinson, Angela
Subject: FW: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)
Attachments: FolkloreMinor changes Oct 02 2024.pdf

No concerns from HSS.

Pat Dold

*Patricia Dold (she/her)
Associate Professor, Religious Studies
Associate Dean, Curriculum and Programs
Faculty of Humanities and Social Sciences
St. John's Campus, Memorial University*

From: Faculty of Humanities and Social Sciences <hss@mun.ca>
Date: Tuesday, October 8, 2024 at 10:11 AM
To: Dold, Patricia <pdold@mun.ca>
Subject: Fw: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)

Hi Pat,

Please see the attached calendar change proposal for Folklore (School of Arts and Social Science, Grenfell Campus). Please send your feedback directly to Shelli Penney (shellip@mun.ca) Angela Robinson (b57mar@mun.ca) by Wednesday, October 30th.

Regards,

Sarah

From: Penney, Shelli
Sent: October 8, 2024 9:44 AM
To: Dean of Education; Engineering and Applied Science; HKR Dean; Faculty of Humanities and Social Sciences; Ashlee Cunsolo; Libraries Hiring Panel; Marine Institute; Furey, Mary A; Dean of Medicine : McKeen, Dr. Dolores; Karen Bulmer; DeanNurse; Pharmacy; GC School of Arts and Social Science; Dean of Science; adeanugradswk; GC School of Fine Arts;

Penney, Shelli

From: medvicedean
Sent: Wednesday, October 9, 2024 11:19 AM
To: Robinson, Angela; Penney, Shelli
Cc: Dean of Medicine : McKeen, Dr. Dolores
Subject: Re: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)

Hi Shelli and Angela,

On behalf of the Faculty of Medicine, there are no concerns with the proposed changes.

Thanks, Danielle

DANIELLE O'KEEFE MD CCFP FCFP MSc CCPE
Vice Dean, Education and Faculty Affairs
Associate Professor of Family Medicine

Faculty of Medicine
Memorial University of Newfoundland
Faculty of Medicine Building | Room M2M311
300 Prince Philip Drive
St. John's, NL, Canada A1B 3V6
T 709 864 6289 | F 709 864 6336
www.mun.ca/medicine

Our Vision: An inclusive, vibrant and cutting edge hub of discovery and learning that is tangibly contributing to the health and wellbeing of people locally and globally.

From: Penney, Shelli <shellip@mun.ca>
Sent: Tuesday, October 8, 2024 9:44:30 AM
To: Dean of Education <educdean@mun.ca>; Engineering and Applied Science <engrconsult@mun.ca>; HKR Dean <hkrdean@mun.ca>; Faculty of Humanities and Social Sciences <hss@mun.ca>; Ashlee Cunsolo <ashlee.cunsolo@mun.ca>; Libraries Hiring Panel <univlib@mun.ca>; Marine Institute <miugconsultations@mi.mun.ca>; Furey, Mary A <mfurey@mun.ca>; Dean of Medicine : McKeen, Dr. Dolores <deanofmedicine@mun.ca>; Karen Bulmer <kbulmer@mun.ca>; DeanNurse <DeanNurse@mun.ca>; Pharmacy <pharminfo@mun.ca>; GC School of Arts and Social Science <gcsass@mun.ca>; Dean of Science <deansci@mun.ca>; adeanugradswk <adeanugradswk@mun.ca>; GC School of Fine Arts <gcsofa@mun.ca>; GC School of Science and the Environment <gcsse@mun.ca>
Cc: Robinson, Angela <b57mar@mun.ca>; Penney, Shelli <shellip@mun.ca>
Subject: FW: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)

Good day,

Please see attached Calendar Change Proposal for Folklore, Grenfell Campus.

I kindly ask you send feedback to myself, and Angela Robinson b57mar@mun.ca by Wednesday October 30th.

Thank you,

Shelli Penney | Decanal Assistant, The School of Arts and Social Science (Grenfell Campus)

Memorial University of Newfoundland

Penney, Shelli

From: DeanNurse
Sent: Wednesday, October 16, 2024 3:52 PM
To: Penney, Shelli
Cc: Robinson, Angela
Subject: RE: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)

Good afternoon.

Dr. April Pike, Dean at the Faculty of Nursing, has reviewed the proposed changes. She tells me that she has no concerns or comments for our programs.

Thank you for your time, I hope you are having a great day!
Jane

From: Penney, Shelli <shellip@mun.ca>
Sent: Tuesday, October 8, 2024 9:45 AM
To: Dean of Education <educdean@mun.ca>; Engineering and Applied Science <enrconsult@mun.ca>; HKR Dean <hkrdean@mun.ca>; Faculty of Humanities and Social Sciences <hss@mun.ca>; Ashlee Cunsolo <ashlee.cunsolo@mun.ca>; Libraries Hiring Panel <univlib@mun.ca>; Marine Institute <miugconsultations@mi.mun.ca>; Furey, Mary A <mfurey@mun.ca>; Dean of Medicine : McKeen, Dr. Dolores <deanofmedicine@mun.ca>; Karen Bulmer <kbulmer@mun.ca>; DeanNurse <DeanNurse@mun.ca>; Pharmacy <pharminfo@mun.ca>; GC School of Arts and Social Science <gcsass@mun.ca>; Dean of Science <deansci@mun.ca>; adeanugradswk <adeanugradswk@mun.ca>; GC School of Fine Arts <gcsofa@mun.ca>; GC School of Science and the Environment <gcsse@mun.ca>
Cc: Robinson, Angela <b57mar@mun.ca>; Penney, Shelli <shellip@mun.ca>
Subject: FW: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)

Good day,

Please see attached Calendar Change Proposal for Folklore, Grenfell Campus.

I kindly ask you send feedback to myself, and Angela Robinson b57mar@mun.ca by Wednesday October 30th.

Thank you,

Shelli Penney | Decanal Assistant, The School of Arts and Social Science (Grenfell Campus)

Memorial University of Newfoundland
Corner Brook, NL A2H 6 P9
Phone: (709) 637-6202
Email: shellip@mun.ca
Office: AS 303

Penney, Shelli

From: McGrath, Gerona
Sent: Friday, October 18, 2024 10:58 AM
To: Penney, Shelli
Cc: Robinson, Angela
Subject: RE: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)

Hi Shelli,

Thank you for the opportunity to review the proposed changes to Folklore. There is no impact on the School of Pharmacy.

Gerona

Gerona McGrath MBA, M.Ed.
Manager of Academic Programs
School of Pharmacy

Memorial University of Newfoundland
3435 Health Sciences Centre
St. John's, NL A1B 3V6 Canada

709-864-2013

From: Penney, Shelli <shellip@mun.ca>
Sent: Tuesday, October 8, 2024 9:45 AM
To: Dean of Education <educdean@mun.ca>; Engineering and Applied Science <enrconsult@mun.ca>; HKR Dean <hkrdean@mun.ca>; Faculty of Humanities and Social Sciences <hss@mun.ca>; Ashlee Cunsolo <ashlee.cunsolo@mun.ca>; Libraries Hiring Panel <univlib@mun.ca>; Marine Institute <miugconsultations@mi.mun.ca>; Furey, Mary A <mfurey@mun.ca>; Dean of Medicine : McKeen, Dr. Dolores <deanofmedicine@mun.ca>; Karen Bulmer <kbulmer@mun.ca>; DeanNurse <DeanNurse@mun.ca>; Pharmacy <pharminfo@mun.ca>; GC School of Arts and Social Science <gcsass@mun.ca>; Dean of Science <deansci@mun.ca>; adeanugradswk <adeanugradswk@mun.ca>; GC School of Fine Arts <gcsofa@mun.ca>; GC School of Science and the Environment <gcsse@mun.ca>
Cc: Robinson, Angela <b57mar@mun.ca>; Penney, Shelli <shellip@mun.ca>
Subject: FW: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)

Good day,

Please see attached Calendar Change Proposal for Folklore, Grenfell Campus.

I kindly ask you send feedback to myself, and Angela Robinson b57mar@mun.ca by Wednesday October 30th.

Thank you,

Shelli Penney | Decanal Assistant, The School of Arts and Social Science (Grenfell Campus)

Memorial University of Newfoundland
Corner Brook, NL A2H 6 P9

Penney, Shelli

From: adeanugradswk
Sent: Wednesday, October 16, 2024 11:43 AM
To: Penney, Shelli
Subject: RE: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)

Hello Shelli,

I have perused the proposed changes to the Folklore Minor program and support the rationale for the changes. No further comment is needed.

Thank you.

Paul Athassan Isahaku (PhD)
Associate Professor, Acting Associate Dean of Undergraduate Programs
School of Social Work
Memorial University of Newfoundland
St. John's, Canada
Tel. 7098648688, Email: pisahaku@mun.ca

Latest publications:

Young People's Perspectives on Safety and Safety Promotion in St. John's, Newfoundland and Labrador. *Sage Open*. <https://doi.org/10.1177/21582440241257025>

Youth Risky and Antisocial Behaviors in Newfoundland and Labrador: The Perspectives of Young People. *Sage Open*. <https://doi.org/10.1177/21582440241258222>

Emergent Themes with Implications from a Qualitative Thematic Analysis of Psychological Well-Being Among 23 Older Ghanaians. *Ageing International*, 49: 467-497. <https://doi.org/10.1007/s12126-024-09557-w>

From: Penney, Shelli <shellip@mun.ca>
Sent: Tuesday, October 8, 2024 9:45 AM
To: Dean of Education <educdean@mun.ca>; Engineering and Applied Science <enrconsult@mun.ca>; HKR Dean <hkrdean@mun.ca>; Faculty of Humanities and Social Sciences <hss@mun.ca>; Ashlee Cunsolo <ashlee.cunsolo@mun.ca>; Libraries Hiring Panel <univlib@mun.ca>; Marine Institute <miugconsultations@mi.mun.ca>; Furey, Mary A <mfurey@mun.ca>; Dean of Medicine : McKeen, Dr. Dolores <deanofmedicine@mun.ca>; Karen Bulmer <kbulmer@mun.ca>; DeanNurse <DeanNurse@mun.ca>; Pharmacy <pharminfo@mun.ca>; GC School of Arts and Social Science <gcsass@mun.ca>; Dean of Science <deansci@mun.ca>; adeanugradswk <adeanugradswk@mun.ca>; GC School of Fine Arts <gcsofa@mun.ca>; GC School of Science and the Environment <gcsse@mun.ca>
Cc: Robinson, Angela <b57mar@mun.ca>; Penney, Shelli <shellip@mun.ca>
Subject: FW: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)

Good day,

Penney, Shelli

From: Bailey, Robert
Sent: Tuesday, October 15, 2024 8:59 PM
To: Robinson, Angela
Cc: Penney, Shelli
Subject: RE: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)

Dear Angela,

I have reviewed the proposal to revise the Folklore Minor. This proposal has no impact on programs in the School of Science and the Environment; indeed, it should make the Minor a more viable option for students in our programs to complete. So we are happy to support it.

Best wishes,
Robert.

=====
Dr. Robert Bailey
Interim Dean, School of Science and the Environment
Associate Professor, Mathematics
Grenfell Campus, Memorial University
Corner Brook, NL, Canada

Office: AS 3025
Phone: +1 (709) 637-7166 (*no voicemail available*)
Email: robert.bailey@mun.ca

Please do not feel obliged to respond outside of your usual working hours!

From: Penney, Shelli <shellip@mun.ca>
Sent: Tuesday, October 8, 2024 9:45 AM
To: Dean of Education <educdean@mun.ca>; Engineering and Applied Science <enrconsult@mun.ca>; HKR Dean <hkrdean@mun.ca>; Faculty of Humanities and Social Sciences <hss@mun.ca>; Ashlee Cunsolo <ashlee.cunsolo@mun.ca>; Libraries Hiring Panel <univlib@mun.ca>; Marine Institute <miugconsultations@mi.mun.ca>; Furey, Mary A <mfurey@mun.ca>; Dean of Medicine : McKeen, Dr. Dolores <deanofmedicine@mun.ca>; Karen Bulmer <kbulmer@mun.ca>; DeanNurse <DeanNurse@mun.ca>; Pharmacy <pharminfo@mun.ca>; GC School of Arts and Social Science <gcsass@mun.ca>; Dean of Science <deansci@mun.ca>; adeanugradswk <adeanugradswk@mun.ca>; GC School of Fine Arts <gcsafa@mun.ca>; GC School of Science and the Environment <gcsse@mun.ca>
Cc: Robinson, Angela <b57mar@mun.ca>; Penney, Shelli <shellip@mun.ca>
Subject: FW: Folklore minor changes (School of Arts and Social Science, Grenfell Campus)

Good day,

Please see attached Calendar Change Proposal for Folklore, Grenfell Campus.

I kindly ask you send feedback to myself, and Angela Robinson b57mar@mun.ca by Wednesday October 30th.

Thank you,

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Cover Page

LIST OF CHANGES

Indicate the Calendar change(s) being proposed by checking and completing as appropriate:

- New course(s):
- Amended or deleted course(s):
- New program(s):
- Amended or deleted program(s):
- New, amended or deleted Glossary of Terms Used in the Calendar entries
- New, amended or deleted Admission/Readmission to the University (Undergraduate) regulations
- New, amended or deleted General Academic Regulations (Undergraduate)
- New, amended or deleted Faculty, School or Departmental regulations
- Other:

ADMINISTRATIVE AUTHORIZATION

By signing below, you are confirming that the attached Calendar changes have obtained all necessary Faculty/School approvals, and that the costs, if any, associated with these changes can be met from within the existing budget allocation or authorized new funding for the appropriate academic unit.

Signature of Dean/Vice-President:

Dendra Wight

Date:

Nov 25 2024

Date of approval by Faculty/Academic Council:

November 20, 2024

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form

Grenfell Business Course and Program Changes

PROPOSAL SUMMARY

This proposal requests approval to a proposed change to a Grenfell Business course prerequisite, the correction of a program table, and the suspension of an existing articulation agreement.

There are no Library or Resource implications as a result of these changes, and no students are negatively impacted by these proposed changes. Specific rationale for each proposed change is provided below.

LIST OF CHANGES

The following Calendar changes are included in this proposal:

Amended or deleted course(s):

- Change to prerequisites of BUSN 2021 Research and Writing for Business

Amended or deleted program(s):

- Correction of an error in the program table for Bachelor of Business Administration for Graduates of the Three-Year Business Management (Accounting & Financial Management) Diploma Program offered by the College of the North Atlantic, and the addition of a clarifying table note
- Suspension of articulation agreement between Grenfell Campus' Bachelor of Business Administration program and College of the North Atlantic's Two-year Business Administration (General) Diploma

RATIONALE

The first proposed change relates to the prerequisite courses for BUSN 2021 Research and Writing for Business and is necessary to account for course sequencing challenges of Grenfell Bachelor of Business Administration students who are completing the degree program by way of an articulation agreement with the College of the North Atlantic. In this case, the shift of three credit hours in first-year English from a prerequisite to a co-requisite will permit students to

complete this core Business course in a manner that does not unduly extend their program length, and does not compromise their academic preparation for program courses that follow.

The second proposed change was identified as necessary after the comprehensive program changes to the Grenfell Business program were approved by Senate at the end of the 2023-2024 academic year (changes effective September 2024); an error was noted in the program table that detailed program requirements for graduates of the College of the North Atlantic's three-year Business Management (Accounting & Financial Management) diploma. The updated table addresses this error and adds an important clarifying note to the table.

The final proposed change is the suspension of the articulation agreement between Grenfell's Bachelor of Business Administration program and CNA's Two-year Business Administration (General) Diploma program, and reflects both the lack of student uptake of this pathway (i.e., no student has completed the Grenfell BBA program through a block transfer based on CNA's two-year General business diploma since the agreement was established in 2016), and a recognized lack of alignment between both program's curricula. Based on recent changes to the Grenfell BBA program curriculum (effective 2024-2025), the alignment of program curriculum has widened. As a result, Grenfell Business is requesting approval to suspend this program from the existing articulation agreements with CNA, and to remove reference to this agreement from the Calendar. Should CNA's two-year Business Administration (General) diploma curriculum be revised to more closely align with that of the Grenfell BBA program, a reinstatement of the articulation agreement could be revisited.

It should be noted that no current students are negatively impacted by any of these changes.

PROPOSED CALENDAR CHANGES

13.4 Business

13.4.1 Core Program Course Descriptions

BUSN 2021 Research and Writing for Business focuses on skill development in gathering, analyzing, and organizing information in order to communicate that information in both professional and academic documents. Emphasis will be placed on understanding how to adapt messages for different audiences, preparing a variety of common business documents, collecting, evaluating, and presenting information from a range of sources, and delivering formal research reports. Course work will foster skill building in problem identification, critical thinking and reasoning, and teamwork.

CR: the former BUSN 2020, BUSI 2011

PR: BUSN 1010 and ~~6~~3 credit hours in ~~first-year~~ English at the 1000 level

CO: an additional 3 credit hours in English at the 1000 level

7.3 School of Arts and Social Science

7.3.6 Bachelor of Business Administration

7.3.6.4 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (General) Diploma Program Offered by the College of the North Atlantic

- ~~Students who have graduated from the two-year Business Administration (General) diploma program offered by the College of the North Atlantic and who are seeking entry into the Bachelor of Business Administration program must have an overall 2.6 GPA in the diploma and will be required to complete a minimum of 60 additional credit hours towards the 120-credit Grenfell Campus Bachelor of Business Administration program.~~
- ~~The remaining 60 credit hours and specific course requirements will be determined on an individual basis at the time of admission. A minimum of 30 credit hours must be completed at Memorial University.~~
- ~~The program may be completed on a full or part-time basis.~~

7.3.6 Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Accounting & Financial Management) Diploma Program Offered by the College of the North Atlantic

- Students who have graduated from the three-year Business Management (Accounting & Financial Management) diploma program offered by the College of the North Atlantic and who are entering the Grenfell Campus Bachelor of Business Administration program must have an overall 2.6 GPA in the diploma and will be awarded 75 credit hours of transfer credit applicable to the 120-credit hour degree program.
- Students will be required to complete an additional 45 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under [Bachelor of Business Administration for Graduates of the Three-Year Business Management \(Accounting & Financial Management\) Diploma Program Offered by the College of the North Atlantic](#). A minimum of 30 credit hours must be completed at Memorial University.
- The program may be completed on a full- or part-time basis.

Bachelor of Business Administration for Graduates of the Three-Year Business Management (Accounting & Financial Management) Diploma Program Offered by the College of the North Atlantic

Business Core Courses	Non-Business Core Courses	Business Elective Courses*	Non-Business Elective Courses**
BUSN 2021	3 credit hours in first-year English	42 15 credit hours chosen from Business Electives (see note)	15 credit hours chosen from Non-Business Electives

Bachelor of Business Administration for Graduates of the Three-Year Business Management (Accounting & Financial Management) Diploma Program Offered by the College of the North Atlantic

Business Core Courses	Non-Business Core Courses	Business Elective Courses*	Non-Business Elective Courses**
BUSN 3500	Mathematics 1000 or 1052	*A Business Elective course is any BUSN course not identified as a Business Core course, excluding BUSN 2105	**Any elective course that is not identified as a Core or BUSN Elective course
BUSN 4010			
BUSN 4070			

Note:

Students who graduated from CNA with an accounting major in their Business Management diploma program but did not complete FN 2111 as a part of their program must complete BUSN 3500 Financial Management I as an additional Required Business Course, and 12 rather than 15 credit hours chosen from the Business Electives table.

All BUSN course prerequisites will apply; students should consult BUSN course descriptions in the [University Calendar](#). Transfer students may be exempt from some course prerequisites and should seek academic advice before their registration period.

CALENDAR ENTRY AFTER CHANGES

13.4 Business

13.4.1 Core Program Course Descriptions

BUSN 2021 Research and Writing for Business focuses on skill development in gathering, analyzing, and organizing information in order to communicate that information in both professional and academic documents. Emphasis will be placed on understanding how to adapt messages for different audiences, preparing a variety of common business documents, collecting, evaluating, and presenting information from a range of sources, and delivering formal research reports. Course work will foster skill building in problem identification, critical thinking and reasoning, and teamwork.

CR: the former BUSN 2020, BUSI 2011

PR: BUSN 1010 and 3 credit hours in English at the 1000 level

CO: an additional 3 credit hours in English at the 1000 level

7.3.7 Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Accounting & Financial Management) Diploma Program Offered by the College of the North Atlantic

- Students who have graduated from the three-year Business Management

(Accounting & Financial Management) diploma program offered by the College of the North Atlantic and who are entering the Grenfell Campus Bachelor of Business Administration program must have an overall 2.6 GPA in the diploma and will be awarded 75 credit hours of transfer credit applicable to the 120-credit hour degree program.

- Students will be required to complete an additional 45 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under [Bachelor of Business Administration for Graduates of the Three-Year Business Management \(Accounting & Financial Management\) Diploma Program Offered by the College of the North Atlantic](#). A minimum of 30 credit hours must be completed at Memorial University.
- The program may be completed on a full- or part-time basis.

Bachelor of Business Administration for Graduates of the Three-Year Business Management (Accounting & Financial Management) Diploma Program Offered by the College of the North Atlantic

Business Core Courses	Non-Business Core Courses	Business Elective Courses*	Non-Business Elective Courses**
BUSN 2021	3 credit hours in first-year English	15 credit hours chosen from Business Electives (see note)	15 credit hours chosen from Non-Business Electives
BUSN 4010	Mathematics 1000	*A Business Elective course is any BUSN course not identified as a Business Core course, excluding BUSN 2105	**Any elective course that is not identified as a Core or BUSN Elective course
BUSN 4070	or 1052		

Note:

Students who graduated from CNA with an accounting major in their Business Management diploma program but did not complete **FN 2111** as a part of their program must complete **BUSN 3500 Financial Management I** as an additional Required Business Course, and 12 rather than 15 credit hours chosen from the Business Electives table.

All BUSN course prerequisites will apply; students should consult BUSN course descriptions in the [University Calendar](#). Transfer students may be exempt from some course prerequisites and should seek academic advice before their registration period.

SECONDARY CALENDAR CHANGES

The only secondary Calendar change necessary as a result of the proposed changes noted above is the renumbering of articulation agreements noted in Section 7.3.6

Bachelor of Business Administration:

[7.3.6.54](#) *Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Accounting & Financial Management) Diploma Program Offered by the College of the North Atlantic*

[7.3.6.65](#) *Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Strategic Human Resource Management) Diploma Program Offered by the College of the North Atlantic*

[7.3.6.76](#) *Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Marketing Management & Analytics) Diploma Program Offered by the College of the North Atlantic*

SECONDARY CALENDAR ENTRY AFTER CHANGES

[7.3.6.4](#) *Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Accounting & Financial Management) Diploma Program Offered by the College of the North Atlantic*

[7.3.6.5](#) *Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Strategic Human Resource Management) Diploma Program Offered by the College of the North Atlantic*

[7.3.6.6](#) *Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Marketing Management & Analytics) Diploma Program Offered by the College of the North Atlantic*



SCHOOL OF
GRADUATE STUDIES

Academic Council of the School of Graduate Studies
Meeting of December 16, 2024

Items of Business for Senate

The following items of business were approved by Council at its meeting on **December 16, 2024**, and are consequently being transmitted to Senate for information and/or approval, and where appropriate to be subsequently forwarded to the Board of Regents.

CONSENT AGENDA

1. Faculty of Science

a. Earth Sciences – EASC 6173 New Regular Course

Council recommends approval, as presented, of EASC 6173 - “An Introduction to Potential Field, Electrical, and Electromagnetic Methods”, as the graduate-level offering of the cross-levelled course EASC 4173, and the associated changes to the M.Sc. (section 32.10) and Ph.D. (section 44.10) in Earth Sciences chapters of the University Calendar.

*Annotation: planned to be offered beginning **Winter 2026**.*

b. Mathematics – Removal of Core Courses from M.Sc. and Ph.D

Council recommends approval, as presented, of the removal of core courses from the M.Sc. (section 32.17.1) and Ph.D. (section 44.29.5.1) in Mathematics chapters of the University Calendar, so as to leave course selection at the discretion of student and supervisor.

Continued on following page...

c. Psychology – Removal of Certain Courses from M.Sc., Ph.D. and Psy.D.

Council recommends approval, as presented, of the removal of certain courses from the M.Sc. (section 32.19.2), Ph.D. (section 44.35.3), and Psy.D. (section 45.4) in Psychology chapters of the University Calendar, so as to reflect that they will never be taught again.

d. Psychology – M.Sc. in EXPS (Health and Wellness) New Specialization

Council recommends approval, as presented, of the formal addition of the Health and Wellness area of specialization to the M.Sc. in Experimental Psychology (section 32.19.1) chapter of the University Calendar.

Respectfully submitted,



Dr. Amy M. Warren, Chair
Academic Council



Faculty of Science

Office of the Dean
St. John's, NL Canada A1B 3X7
Tel: 709 864 8154 Fax: 709 864 3316
deansci@mun.ca www.mun.ca/science

November 22, 2024

TO: Ms. Katrielle Edmond, School of Graduate Studies
FROM: Gina Jackson, Secretary, Faculty of Science Faculty Council
SUBJECT: Faculty of Science Calendar Changes

This is to confirm that the Faculty of Science Faculty Council, at its meeting on November 20, 2024, approved the following calendar changes:

- a. Department of Earth Science, Request for Approval of a Graduate Course EASC 6173; An Introduction to Potential Field, Electrical and Electromagnetic Methods,
- b. Department of Mathematics and Statistics, Core Course Proposed Calendar Changes,
- c. Department of Psychology, Course deletions,
- d. Department of Psychology, Calendar Change to 32.19.1 to add Health and Wellness specialization area.

If you require additional information or clarification, please let me know.

A handwritten signature in blue ink that reads "Gina Jackson".

Gina Jackson

cc: A. Fiech, Chair, Faculty of Science, Graduate Studies Committee
Office of the Registrar

Strickethrough ver.

32.10.2.2 General Courses

- 6060 Gem Deposits
- 6070 Quantitative Techniques in Mineralogy and Metamorphic Petrology
- 6105 Advanced Field Course in Applied Geophysics (may be offered in accelerated format)
- 6110 Machine Learning and Data Analysis in the Geosciences
- 6120 Kinematic modelling of plate tectonics
- 6141 Rotation of the Earth
- 6142 Theory of Global Geodynamics
- 6152 Paleomagnetism
- 6171 Advanced Exploration Seismology
- 6172 Borehole Seismic
- 6173 An Introduction to Potential Field, Electrical and Electromagnetic Methods (*credit restricted with EASC 4173*)
- 6175 Gravity and Magnetic Methods
- 6177 Mathematical Formulations of Seismic Wave Phenomena
- 6210 Genesis of Mineral Deposits
- 6320 Marine Geology
- 6400 Flow and Transport in Fractured Rock
- 6410 Advanced Engineering and Environmental Geology
- 6420 Deformation Mechanisms
- 6500 Stable Isotope Geochemistry
- 6510 Trace Element Geochemistry
- 6520 Methods in Advanced Research in Geochemistry
- 6540 Radiogenic Isotope Geochemistry
- 6550 Biogeochemistry
- 6560 Applications of Petrochronology (*credit restricted with EASC 6956*)
- 6600 Petroleum Geology
- 6620 Groundwater Modelling (*credit restricted with EASC 4620*)
- 6740 Modern and Ancient Sedimentary Environments
- 6750 Sequence Stratigraphy
- 6801 Palaeobiology of Early Animal Life
- 6820 Palynology and Paleobotany
- 6900-6999 Special Topics in Earth Sciences

44.10.2.2 General Courses

- 6060 Gem Deposits
- 6070 Quantitative Techniques in Mineralogy and Metamorphic Petrology
- 6105 Advanced Field Course in Applied Geophysics (*may be offered in accelerated format*)
- 6120 Kinematic modelling of plate tectonics
- 6141 Rotation of the Earth
- 6142 Theory of Global Geodynamics
- 6152 Paleomagnetism

- 6171 Advanced Exploration Seismology
- 6172 Borehole Seismic
- 6173 An Introduction to Potential Field, Electrical and Electromagnetic Methods (*credit restricted with EASC 4173*)
- 6175 Gravity and Magnetic Methods
- 6177 Mathematical Formulations of Seismic Wave Phenomena
- 6210 Genesis of Mineral Deposits
- 6320 Marine Geology
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- 6520 Methods in Advanced Research in Geochemistry
- 6540 Radiogenic Isotope Geochemistry
- 6550 Biogeochemistry
- 6560 Applications of Petrochronology (*credit restricted with EASC 6956 to EASC 6560*)
- 6600 Petroleum Geology
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Clean ver.

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Request for Approval of a Graduate Course

SCHOOL OF GRADUATE STUDIES

Adobe Reader, minimum version 8, is required to complete this form. Download the latest version: <http://get.adobe.com/reader>. (1) Save the form by clicking on the diskette icon on the upper left side of the screen; (2) Ensure that you are saving the file in PDF format; (3) Specify where you would like to save the file, e.g. Desktop; (4) Review the [How to create and insert a digital signature](#) webpage for step by step instructions; (5) Fill in the required data and save the file; (6) Send the completed form by email to: sgs@mun.ca.

To: Dean, School of Graduate Studies
From: Faculty/School/Department/Program
Subject: Regular Course Special/Selected Topics Course

Course No.: EASC 6173

Course Title: An Introduction to Potential Field, Electrical and Electromagnetic Methods

I. To be completed for all requests:

A. Course Type: Lecture course Lecture course with laboratory
 Laboratory course Undergraduate course¹
 Directed readings Other (please specify)

B. Can this course be offered by existing faculty? Yes No

C. Will this course require new funding (including payment of instructor, labs, equipment, etc.)? Yes No
If yes, please specify:

D. Will additional library resources be required (if yes, please contact munul@mun.ca for a resource consultation)? Yes No

E. Credit hours for this course: 3

F. Course description (please attach course outline and reading list):
Please see accompanying document.

G. Method of evaluation:	Percentage	
	Written	Oral
Class tests		
Assignments	Please see accompanying document.	
Other (specify):		
Final examination:		
Total		

¹ Must specify the additional work at the graduate level

II. To be completed for special/selected topics course requests only

For special/selected topics courses, there is no evidence of:

Instructor's initials

- 1. duplication of thesis work _____
- 2. double credit _____
- 3. work that is a faculty research product _____
- 4. overlap with existing courses _____

Recommended for offering in the Fall **Winter** Spring 20 26

Length of session if less than a semester:

III. This course proposal has been prepared in accordance with General Regulations governing the School of Graduate Studies



Digitally signed by Colin Farquharson
Date: 2024.10.03 09:37:31 -02'30'

Course instructor

Date

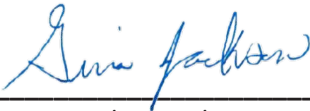
Luke Beranek

Digitally signed by Luke Beranek
Date: 2024.10.29 10:26:35 -02'30'

Approval of the head of the academic unit

Date

IV. This course proposal was approved by the Faculty/School/Council



Secretary, Faculty/School/Council

November 21, 2024

Date

Updated March 2021

EASC 6173: An Introduction to Potential Field, Electrical and Electromagnetic Methods

Summary

This graduate-level course will involve the same lectures, laboratory sessions, exams, assignments and laboratory write-ups as the fourth-year undergraduate-level course EASC 4173 “Advanced Electrical, Electromagnetic and Potential Fields Methods”, but with an additional project. The aim is to bring graduate students who have backgrounds in fields other than Geophysics, or who have done their undergraduate studies at an institution other than MUN that does not offer courses on the material covered in EASC 4173, up to a level in potential field, electrical and electromagnetic geophysical methods appropriate for graduate studies in the M.Sc. or Ph.D. Geophysics programs here at MUN.

Rationale

Students with an undergraduate degree in Physics, Mathematics, Computer Science, Geology, etc., but not in Geophysics, nevertheless have the potential to be successful Geophysics M.Sc. and Ph.D. students. Such students have the necessary backgrounds and skills in Physics, Mathematics, etc., but are lacking in their Geophysics knowledge. The proposed new graduate-level course, EASC 6173, will provide a pathway for such students to learn the basics of the theory and practical application of geophysical potential field, electrical and electromagnetic methods needed for graduate studies in Geophysics, but to do so in a way appropriate for a graduate student (i.e., with a research project over and above the undergraduate-level lectures and labs) and that gives them graduate-course credit.

Course outline

This course will cover the theory and application of these applied geophysics techniques (i.e., gravity, magnetic, electrical and electromagnetic methods). Topics covered will include: gravitational and magnetic fields due to distributions of density and magnetization; potential theory, and processing techniques derived from this theory; conservation of charge, Ohm’s law and Maxwell’s equations for electric and electromagnetic fields in the Earth’s subsurface. The lecture component of the course will cover the theoretical aspects. The laboratory component will enable students to apply computer modelling and interpretation methods to real-life data-sets.

Resources

Blakely, “Potential Theory in Gravity & Magnetic Applications”;
Grant & West, “Interpretation Theory in Applied Geophysics”;
Telford et al., “Applied Geophysics”;
Nabighian (ed.), “Electromagnetic Methods in Applied Geophysics”;
Dentith & Mudge, “Geophysics for the Mineral Exploration Geoscientist”;
Everett, “Near Surface Applied Geophysics”;
Reynolds, “An Introduction to Applied and Environmental Geophysics”.

Evaluation

75% of the course evaluation will follow the evaluation for EASC 4173:

Assignments	7.5%,
Laboratory exercises	22.5%,
In-term exam 1	11.25%,

In-term exam 2 11.25%,
Final exam 22.5%.

The other 25% will be on a research project (on any topic relevant to potential field, electrical or electromagnetic methods):

Written document 20%,
Oral presentation 5%.

The expectation is that the research project will be of a depth and quality appropriate for a graduate student.

EASC 4173: ADVANCED ELECTRICAL, ELECTROMAGNETIC AND
POTENTIAL FIELDS METHODS

WINTER 2023–2024

Instructor: Colin Farquharson; ER-4030, cgfarquh@mun.ca.

Teaching Assistant: None.

Lectures: Tuesday and Thursday, 10.30 am – 12 noon; ER-4054.

Laboratory period: Thursday, 2 – 5 pm; ER-4042.

Calendar description:

EASC 4173, Advanced Electrical, Electromagnetic and Potential Fields Methods, examines advanced techniques in electrical and electromagnetic exploration methods including advanced IP, airborne EM surveys, EM and IP modelling, and inversion techniques; advanced methods in gravity and magnetic field exploration techniques including 2.5-D and 3-D modelling and inversion, map processing techniques, and excess mass determination.

Prerequisites: EASC 3170, 3172, 4179, and PHYS 2820.

Useful textbooks:

Blakely, “Potential Theory in Gravity & Magnetic Applications”;

Grant & West, “Interpretation Theory in Applied Geophysics”;

Telford et al., “Applied Geophysics”;

Nabighian (ed.), “Electromagnetic Methods in Applied Geophysics”;

Dentith & Mudge, “Geophysics for the Mineral Exploration Geoscientist”;

Everett, “Near Surface Applied Geophysics”;

Reynolds, “An Introduction to Applied and Environmental Geophysics”.

Evaluation:

Assignments	10%,
Laboratory exercises	30%,
In-term exam 1 (~ Tues. 6th Feb.)	15%,
In-term exam 2 (~ Tues. 12th Mar.)	15%,
Final exam	30%.

Accommodation of Students with Disabilities

Memorial University of Newfoundland is committed to ensuring an environment of understanding and respect for the dignity and worth of each student and also to supporting inclusive education based on the principles of equity, accessibility and collaboration.

(From ... <http://www.mun.ca/policy/site/policy.php?id=239>.)

Academic Integrity

Within the University community there is a collective responsibility to maintain a high level of scholarly integrity. A student is expected to adhere to those principles which constitute proper

academic conduct. Academic misconduct cannot be condoned or even appear to be condoned. A student has the responsibility to know which actions, as described under Academic Offences, could be construed as dishonest or improper. A student is reminded that for further guidance on proper scholarly behaviour the student should seek advice from their instructors and faculty advisors. (From ... <http://www.mun.ca/regoff/calendar/sectionNo=REGS-0748>.)

Student Information:

1. Academic Support Programs

The Counselling Centre helps students develop their study strategies through academic support programming. The Centre offers support for study problems in which students learn to apply strategies for managing university level academic work more effectively. Following an intake session, students may be provided with access to an online Brightspace course called, “Academic Skills Portfolio,” that facilitates the acquisition and practice of helpful skills. More information can be found at ...

<http://www.mun.ca/counselling/academic/index.php> and

<https://www.mun.ca/studentwellness/supports-services/AcademicSupport.php>.

2. Medical Notes

When is a medical note, or other appropriate supporting documentation, required?

A medical note is required when a student is absent from a final laboratory or final lecture examination due to illness and they would like to request a deferred examination or other sort of accommodation. A medical note is also required when a student misses a mid-term test/exam or other form of course work during the regular semester due to illness of five or more calendar days duration that is not related to COVID-19. In both cases, a request for accommodation must be made in writing no later than 48 hours after the original date of the evaluation.

When is a medical note NOT required?

A medical note is NOT required when a student misses a mid-term test/exam or other form of course work during the regular semester due to illness of less than five calendar days duration. A medical note is also not required in situations related to COVID-19, of less than 14 calendar days’ duration, including illness, isolation or quarantine requirements, or caregiving requirements. If the student wishes to request accommodation for illness in this case, then they must inform their instructor of their illness in writing within 48 hours of the date of test/mid-term/seminar or due date of paper/report.

3. Information Required in Certificates from Health Professionals (Section 6.15.6 of the calendar

A student who requests permission to drop courses; to withdraw from University studies; to have examinations deferred or to obtain other waivers of University, departmental or course regulations based on health issues is required by the University to provide, in support of the request, a certificate from a health professional in the form of a note or letter. While not compulsory, this should normally be in the form of the Student Health Certificate, available at www.mun.ca/regoff/forms.php. If a note or letter is provided other than in the form of the Student Health Certificate, the submission must be on letterhead. Such certificates must be sufficiently specific to allow a proper consideration of a student’s case. The University requires that all such certificates must be signed by the health professional, must confirm the specific dates on which the student visited the health professional and should include details on the following: the degree to which the health issue (or treatment, in the case of medication, for example) is likely to have affected the student’s ability to study,

attend classes, or sit examinations; the length of time over which the student's abilities were likely hampered by the condition (e.g., recurring and severe back pain over a two-month period would likely have a more adverse effect on studies than a single episode of back pain requiring bed rest for a week); the fitness of the student to resume studies (it is in the student's best interest not to return to studies prematurely).

(<https://www.mun.ca/regoff/calendar/sectionNo=REGS-0859>)

The University respects the privacy of students and will keep confidential all such certificates. A student should request that the health professional retain a copy of such a certificate in case the certificate needs to be verified or reissued at a later date.



Faculty of Science

Office of the Dean
St. John's, NL Canada A1B 3X7
Tel: 709 864 8154 Fax: 709 864 3316
deansci@mun.ca www.mun.ca/science

November 22, 2024

TO: Ms. Katrielle Edmond, School of Graduate Studies
FROM: Gina Jackson, Secretary, Faculty of Science Faculty Council
SUBJECT: Faculty of Science Calendar Changes

This is to confirm that the Faculty of Science Faculty Council, at its meeting on November 20, 2024, approved the following calendar changes:

- a. Department of Earth Science, Request for Approval of a Graduate Course EASC 6173; An Introduction to Potential Field, Electrical and Electromagnetic Methods,
- b. Department of Mathematics and Statistics, Core Course Proposed Calendar Changes,
- c. Department of Psychology, Course deletions,
- d. Department of Psychology, Calendar Change to 32.19.1 to add Health and Wellness specialization area.

If you require additional information or clarification, please let me know.

A handwritten signature in blue ink that reads "Gina Jackson".

Gina Jackson

cc: A. Fiech, Chair, Faculty of Science, Graduate Studies Committee
Office of the Registrar

Core course proposed calendar changes

Rationale:

A motion was brought to the Graduate Studies Committee concerning the adoption of a new “core course”; that is, a new course to be added to the list of courses in 32.17.1 from which graduate students must complete some number. The Head, Dr. Loredano Osti, responded in a departmental meeting that this would be impossible, as it would require him to regularly schedule that course even for a small number of students, which is financially unfeasible.

As a result, the Graduate Studies Committee has instead passed the following motions which will remove the core courses, leaving course selection at the discretion of the student and the supervisor, with the approval of the Head or delegate.

Changes:

In the calendar changes below, deletions are struck out in red, and additions are highlighted in yellow.

32.17.1 Specific Requirements for the M.Sc. in Mathematics

Every student for the M.Sc. in Mathematics is required to complete one of two options:

1. Option 1: MATH 696A/B, ~~two courses from MATH 6160, 6310, 6332, 6351~~, and a minimum of **9 15** further credit hours in courses chosen from the departmental course offerings, excluding MATH 6299, and a thesis as per [General Regulations, Theses and Reports](#).
2. Option 2: MATH 6299, 696A/B, ~~three courses from MATH 6160, 6310, 6332, 6351~~, and a minimum of **9 18** further credit hours in courses chosen from the departmental course offerings.

44.29.5.1 Mathematics

- 6100 Dynamical Systems
- 6101 Modern Perturbation Theory
- 6102 Mathematical Biology
- 6104 Infinite Dimensional Dynamical Systems
- 6110 Advanced General Relativity
- 6111 Calculus in Manifolds
- 6112-6119 Special Topics in Applied Mathematics
- 6120 Theoretical Fluid Dynamics
- 6121 Functional Differential Equations
- 6130 Introduction to General Relativity
- **6160 Partial Differential Equations**
- 6201 Numerical Methods for Partial Differential Equations

- 6202 Nonlinear and Linear Optimization (*credit restricted with Computer Science 6933*)
- 6204 Iterative Methods in Numerical Linear Algebra
- 6205-6209 Special Topics in Numerical Analysis
- 6210 Numerical Solution of Differential Equations (*for Computational Science students only - required core course*)
- 6212 Numerical Methods for Initial Value Problems
- 6230 Differentiable Manifolds and Riemannian Geometry
- 6252 Quantum Information and Computing (*cross-listed with Physics 6852*)
- 6300 Homology Theory
- 6301 Homotopy Theory
- 6302 Theory of Fibre Bundles
- 6304-6309 Special Topics in Topology
- 6310 Functional Analysis
- 6311 Complex Analysis
- 6312 Measure Theory
- 6313 Functional Analysis II
- 6315-6319 Special Topics in Analysis
- 6320 Group Theory
- 6321 Ring Theory
- 6322 Nonassociative Algebra
- 6323 Homological Algebra
- 6324-6329 Special Topics in Algebra
- 6330 Analytic Number Theory
- 6331 Algebraic Number Theory
- 6332 Point Set Topology
- 6333 Representation Theory
- 6340 Graph Theory
- 6341 Combinatorial Design Theory
- 6342 Advanced Enumeration
- 6343-6349 Special Topics in Combinatorics
- 6351 Advanced Linear Algebra

44.29.5.2 Statistics

- 6503 Stochastic Processes
- 6505 Survival Analysis
- 6520 Linear Models
- 6530 Longitudinal Data Analysis
- 6540 Time Series Analysis
- 6545 Computational Statistics
- 6550 Nonparametric Statistics
- 6559 Statistical Exploration of Data
- 6561 Categorical Data Analysis
- 6564 Experimental Designs
- 6563 Sampling Theory
- 6571 Financial and Environmental Time Series

- 6573 Statistical Genetics
- 6570-6589 Selected Topics in Statistics and Probability (excluding 6571, 6573, 6586)
- Note that, although the courses ~~6160, 6310, 6332, 6351~~, 6500, 6510 and 6560 cannot be used to fulfill the 6 credit hours graduate courses requirement, any of them can be listed as part of the program of study as additional course work, whenever the supervisory committee deems it appropriate.

Clean Copy:

32.17.2 Specific Requirements for the M.Sc. in Mathematics

Every student for the M.Sc. in Mathematics is required to complete one of two options:

1. Option 1: MATH 696A/B and a minimum of 15 further credit hours in courses chosen from the departmental course offerings, excluding MATH 6299, and a thesis as per [General Regulations, Theses and Reports](#).
2. Option 2: MATH 6299, 696A/B, and a minimum of 18 further credit hours in courses chosen from the departmental course offerings.

44.29.5.3 Mathematics

- 6100 Dynamical Systems
- 6101 Modern Perturbation Theory
- 6102 Mathematical Biology
- 6104 Infinite Dimensional Dynamical Systems
- 6110 Advanced General Relativity
- 6111 Calculus in Manifolds
- 6112-6119 Special Topics in Applied Mathematics
- 6120 Theoretical Fluid Dynamics
- 6121 Functional Differential Equations
- 6130 Introduction to General Relativity
- 6160 Partial Differential Equations
- 6201 Numerical Methods for Partial Differential Equations

- 6202 Nonlinear and Linear Optimization (*credit restricted with Computer Science 6933*)
- 6204 Iterative Methods in Numerical Linear Algebra
- 6205-6209 Special Topics in Numerical Analysis
- 6210 Numerical Solution of Differential Equations (*for Computational Science students only - required core course*)
- 6212 Numerical Methods for Initial Value Problems
- 6230 Differentiable Manifolds and Riemannian Geometry
- 6252 Quantum Information and Computing (*cross-listed with Physics 6852*)
- 6300 Homology Theory
- 6301 Homotopy Theory
- 6302 Theory of Fibre Bundles
- 6304-6309 Special Topics in Topology
- 6310 Functional Analysis
- 6311 Complex Analysis
- 6312 Measure Theory
- 6313 Functional Analysis II
- 6315-6319 Special Topics in Analysis
- 6320 Group Theory
- 6321 Ring Theory
- 6322 Nonassociative Algebra
- 6323 Homological Algebra
- 6324-6329 Special Topics in Algebra
- 6330 Analytic Number Theory
- 6331 Algebraic Number Theory
- 6332 Point Set Topology
- 6333 Representation Theory
- 6340 Graph Theory
- 6341 Combinatorial Design Theory
- 6342 Advanced Enumeration
- 6343-6349 Special Topics in Combinatorics
- 6351 Advanced Linear Algebra

44.29.5.4 Statistics

- 6503 Stochastic Processes
- 6505 Survival Analysis
- 6520 Linear Models
- 6530 Longitudinal Data Analysis
- 6540 Time Series Analysis
- 6545 Computational Statistics
- 6550 Nonparametric Statistics
- 6559 Statistical Exploration of Data
- 6561 Categorical Data Analysis
- 6564 Experimental Designs
- 6563 Sampling Theory
- 6571 Financial and Environmental Time Series

- 6573 Statistical Genetics
- 6570-6589 Selected Topics in Statistics and Probability (excluding 6571, 6573, 6586)
- Note that, although the courses 6500, 6510 and 6560 cannot be used to fulfill the 6 credit hours graduate courses requirement, any of them can be listed as part of the program of study as additional course work, whenever the supervisory committee deems it appropriate.



Faculty of Science

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deansci@mun.ca www.mun.ca/science

November 22, 2024

TO: Ms. Katrielle Edmond, School of Graduate Studies
FROM: Gina Jackson, Secretary, Faculty of Science Faculty Council
SUBJECT: Faculty of Science Calendar Changes

This is to confirm that the Faculty of Science Faculty Council, at its meeting on November 20, 2024, approved the following calendar changes:

- a. Department of Earth Science, Request for Approval of a Graduate Course EASC 6173; An Introduction to Potential Field, Electrical and Electromagnetic Methods,
- b. Department of Mathematics and Statistics, Core Course Proposed Calendar Changes,
- c. Department of Psychology, Course deletions,
- d. Department of Psychology, Calendar Change to 32.19.1 to add Health and Wellness specialization area.

If you require additional information or clarification, please let me know.

A handwritten signature in blue ink that reads "Gina Jackson".

Gina Jackson

cc: A. Fiech, Chair, Faculty of Science, Graduate Studies Committee
Office of the Registrar

Department of Psychology

Memorial University of Newfoundland
Science Building Room 2065
St. John's, NL Canada A1B 3X9
Tel: 709 864 8496 Fax: 709 864 2430
psych@mun.ca www.mun.ca

Date: November 22, 2024

TO: School of Graduate Studies

FR: Department of Psychology

RE: Proposed Calendar Changes to 32.19.2, 44.35.3, and 45.4 to delete courses

Our department has decided to delete the following courses from the calendar because they will never be taught again. The proposed calendar changes are below, where deletions are indicated in strikethrough and highlighted in yellow.

32.19.2 Courses (Masters)

A selection of the following graduate courses will be offered to meet the requirements of students, as far as the resources of the Department will allow.

- 6000 Advanced Statistics in Psychology
- 6001 Research Design
- 6002 Advanced Statistics in Psychology II
- 6003 Directed Studies in Advanced Statistics I
- 6004 Directed Studies in Advanced Statistics II
- 6010 Colloquium Series in Psychology (repeatable, non-credit)
- 6100-6130 Special Topics in Experimental Psychology
- 6200 Learning I
- 6201 Learning II
- 6203 Behavioural Pharmacology
- 6210 Behavioural Analysis of Toxins
- ~~6351 Behavioural Ecology and Sociobiology (cross-listed as CABE 6351)~~
- 6400 Theory and Methods in Social Psychology
- 6401 Social Cognition
- 6402 Group Processes
- 6403 Program Evaluation and Applied Research
- 6404 Project in Applied Psychological Science (*Note: This course is open only to students in the Master of Applied Psychological Science*)
- 6500 Developmental Psychology I
- 6501 Developmental Psychology II
- 6502 Developmental Changes During Old Age
- 6700 Perception
- 6710 Human Information Processing
- 6720 Human Memory
- 6800 Behavioural Neuroscience I
- 6801 Behavioural Neuroscience II
- 6810 Psychometrics

- 6910 Personality
- ~~699A/B Core Graduate Seminar in Psychology~~

44.35.3 Courses (Ph.D.)

A selection of the following graduate courses will be offered to meet the requirements of students, as far as the resources of the Department will allow.

- 6000 Advanced Statistics in Psychology
- 6001 Research Design
- 6002 Advanced Statistics in Psychology II
- 6003 Directed Studies in Advanced Statistics I
- 6004 Directed Studies in Advanced Statistics II
- 6010 Colloquium Series in Psychology (*repeatable, non-credit*)
- 6100-6130 Special Topics in Experimental Psychology
- 6200 Learning I
- 6201 Learning II
- 6203 Behavioural Pharmacology
- 6210 Behavioural Analysis of Toxins
- ~~6351 Behavioural Ecology and Sociobiology (cross-listed as CABE 6351)~~
- 6400 Theory and Methods in Social Psychology
- 6401 Social Cognition
- 6402 Group Processes
- 6403 Program Evaluation and Applied Research
- 6404 Project in Applied Psychological Science (*This course is open only to students in the Master of Applied Psychological Science*)
- 6500 Developmental Psychology I
- 6501 Developmental Psychology II
- 6502 Developmental Changes During Old Age
- 6700 Perception
- 6710 Human Information Processing
- 6720 Human Memory
- 6800 Behavioural Neuroscience I
- 6801 Behavioural Neuroscience II
- 6810 Psychometrics
- 6910 Personality
- 6990 Doctoral Seminar I
- 6991 Doctoral Seminar II
- ~~6992 Doctoral Seminar in Cognitive and Behavioural Ecology (cross-listed as CABE 6992)~~
- ~~699A/B Core Graduate Seminar in Psychology~~

45.4 Courses (Psy.D.)

- 6000 Advanced Statistics
- 6001 Research Design
- 6602 Research Design in Clinical Psychology
- 6611 Ethics of Professional Practice
- 6612 Adult Psychopathology
- 6614 Selected Topics in Psychopathology
- 6620 Principles of Adult Assessment and Diagnosis
- ~~6621 Principles of Child Assessment and Diagnosis~~
- 6622 Selected Topics in Assessment and Diagnosis
- 6623 Child Psychopathology, Assessment and Diagnosis
- 6630 Principles of Intervention with Adults
- 6631 Principles of Intervention with Children

- 6632 Community Interventions
- 6633 Clinical Psychopharmacology
- 6634 Selected Topics in Intervention
- 6640 Consultation Processes
- 6650 Supervision
- 6660-6669 Special Topics in Clinical Psychology
- 6670 Interprofessional Education (*3 credit hours over six terms: Fall and Winter terms for Years 1, 2, and 3*)
- 7010 Practicum in Ethics and Relationship Skills
- 7020 Practicum in Adult Assessment and Diagnosis I
- 7021 Practicum in Adult Assessment and Diagnosis II
- 7022 Practicum in Child Assessment and Diagnosis
- 7030 Practicum in Assessment and Intervention I
- 7031 Practicum in Assessment and Intervention II
- 7032 Practicum in Assessment and Intervention III
- 7033 Practicum in Advanced Assessment and Intervention I
- 7034 Practicum in Advanced Assessment and Intervention II
- 7035 Practicum in Rural Intervention and Interprofessional Practice
- 7050 Practicum in Supervision I
- 7051 Practicum in Supervision II

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32.19.2 Courses (Masters)

A selection of the following graduate courses will be offered to meet the requirements of students, as far as the resources of the Department will allow.

- 6000 Advanced Statistics in Psychology
- 6001 Research Design
- 6002 Advanced Statistics in Psychology II
- 6003 Directed Studies in Advanced Statistics I
- 6004 Directed Studies in Advanced Statistics II
- 6010 Colloquium Series in Psychology (repeatable, non-credit)
- 6100-6130 Special Topics in Experimental Psychology
- 6200 Learning I
- 6201 Learning II
- 6203 Behavioural Pharmacology
- 6210 Behavioural Analysis of Toxins
- 6400 Theory and Methods in Social Psychology
- 6401 Social Cognition
- 6402 Group Processes
- 6403 Program Evaluation and Applied Research
- 6404 Project in Applied Psychological Science (*Note: This course is open only to students in the Master of Applied Psychological Science*)
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- 6501 Developmental Psychology II
- 6502 Developmental Changes During Old Age
- 6700 Perception
- 6710 Human Information Processing
- 6720 Human Memory
- 6800 Behavioural Neuroscience I
- 6801 Behavioural Neuroscience II

- 6810 Psychometrics
- 6910 Personality

44.35.3 Courses (Ph.D.)

A selection of the following graduate courses will be offered to meet the requirements of students, as far as the resources of the Department will allow.

- 6000 Advanced Statistics in Psychology
- 6001 Research Design
- 6002 Advanced Statistics in Psychology II
- 6003 Directed Studies in Advanced Statistics I
- 6004 Directed Studies in Advanced Statistics II
- 6010 Colloquium Series in Psychology (*repeatable, non-credit*)
- 6100-6130 Special Topics in Experimental Psychology
- 6200 Learning I
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- 6700 Perception
- 6710 Human Information Processing
- 6720 Human Memory
- 6800 Behavioural Neuroscience I
- 6801 Behavioural Neuroscience II
- 6810 Psychometrics
- 6910 Personality
- 6990 Doctoral Seminar I
- 6991 Doctoral Seminar II

45.4 Courses (Psy.D.)

- 6000 Advanced Statistics
- 6001 Research Design
- 6602 Research Design in Clinical Psychology
- 6611 Ethics of Professional Practice
- 6612 Adult Psychopathology
- 6614 Selected Topics in Psychopathology
- 6620 Principles of Adult Assessment and Diagnosis
- 6622 Selected Topics in Assessment and Diagnosis
- 6623 Child Psychopathology, Assessment and Diagnosis
- 6630 Principles of Intervention with Adults
- 6631 Principles of Intervention with Children
- 6632 Community Interventions
- 6633 Clinical Psychopharmacology
- 6634 Selected Topics in Intervention
- 6640 Consultation Processes

- 6650 Supervision
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- 7020 Practicum in Adult Assessment and Diagnosis I
- 7021 Practicum in Adult Assessment and Diagnosis II
- 7022 Practicum in Child Assessment and Diagnosis
- 7030 Practicum in Assessment and Intervention I
- 7031 Practicum in Assessment and Intervention II
- 7032 Practicum in Assessment and Intervention III
- 7033 Practicum in Advanced Assessment and Intervention I
- 7034 Practicum in Advanced Assessment and Intervention II
- 7035 Practicum in Rural Intervention and Interprofessional Practice
- 7050 Practicum in Supervision I
- 7051 Practicum in Supervision II



Faculty of Science

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deansci@mun.ca www.mun.ca/science

November 22, 2024

TO: Ms. Katrielle Edmond, School of Graduate Studies
FROM: Gina Jackson, Secretary, Faculty of Science Faculty Council
SUBJECT: Faculty of Science Calendar Changes

This is to confirm that the Faculty of Science Faculty Council, at its meeting on November 20, 2024, approved the following calendar changes:

- a. Department of Earth Science, Request for Approval of a Graduate Course EASC 6173; An Introduction to Potential Field, Electrical and Electromagnetic Methods,
- b. Department of Mathematics and Statistics, Core Course Proposed Calendar Changes,
- c. Department of Psychology, Course deletions,
- d. Department of Psychology, Calendar Change to 32.19.1 to add Health and Wellness specialization area.

If you require additional information or clarification, please let me know.

A handwritten signature in blue ink that reads "Gina Jackson".

Gina Jackson

cc: A. Fiech, Chair, Faculty of Science, Graduate Studies Committee
Office of the Registrar



Department of Psychology

Memorial University of Newfoundland
Science Building Room 2065
St. John's, NL Canada A1B 3X9
Tel: 709 864 8496 Fax: 709 864 2430
psych@mun.ca www.mun.ca

Date: November 26, 2024

TO: School of Graduate Studies

FR: Department of Psychology

RE: Proposed Calendar Changes to 32.19.1 to add Health and Wellness specialization area

Our department has decided to formally add the Health and Wellness area of specialization to the M.Sc. program. The proposed calendar changes are below, with additions marked as underlined and deletions marked in strikethrough.

[32.19.1 Program of Study](#)

A student may be accepted into a program leading to the M.Sc. in Experimental Psychology.

Experimental Psychology

1. The areas of specialization offered are: Animal Behaviour (see [Cognitive and Behavioural Ecology Program](#)), Behavioural Neuroscience, Health and Wellness, and ~~Clinical~~, Cognitive Psychology, Developmental Psychology, and Social Psychology.
2. Students in the Behavioural Neuroscience area shall normally complete 12 credit hours, including: Advanced Statistics in Psychology (6000), Research Design (6001), and 6 credit hours related to their area of specialization. Students will also register for the Colloquium Series in Psychology (6010) each Fall and Winter semester of their program for a maximum of four registrations.
3. Students shall normally complete 15 credit hours, including: Advanced Statistics in Psychology (6000), Research Design (6001), an additional 3 credit hours of Advanced Statistics Courses (either PSYC 6002, PSYC 6003, or PSYC 6004), and 6 credit hours related to their area of specialization. Students will also register for the Colloquium Series in Psychology (6010) each Fall and Winter semester of their program for a maximum of four registrations.
4. Every student shall submit an original thesis based upon an approved experimental research topic.

CLEAN TEXT:

[32.19.1 Program of Study](#)

A student may be accepted into a program leading to the M.Sc. in Experimental Psychology.

Experimental Psychology

1. The areas of specialization offered are: Animal Behaviour (see [Cognitive and Behavioural Ecology Program](#)), Behavioural Neuroscience, Health and Wellness, Cognitive Psychology, Developmental Psychology, and Social Psychology.
2. Students in the Behavioural Neuroscience area shall normally complete 12 credit hours, including: Advanced Statistics in Psychology (6000), Research Design (6001), and 6 credit hours related to their area

of specialization. Students will also register for the Colloquium Series in Psychology (6010) each Fall and Winter semester of their program for a maximum of four registrations.

3. Students shall normally complete 15 credit hours, including: Advanced Statistics in Psychology (6000), Research Design (6001), an additional 3 credit hours of Advanced Statistics Courses (either PSYC 6002, PSYC 6003, or PSYC 6004), and 6 credit hours related to their area of specialization. Students will also register for the Colloquium Series in Psychology (6010) each Fall and Winter semester of their program for a maximum of four registrations.
4. Every student shall submit an original thesis based upon an approved experimental research topic.



Senate | Committee on Undergraduate Studies

PO Box 4200
St. John's, NL A1C 5S7
www.mun.ca/senate

December 12, 2024

TO: Secretary, Executive Committee of Senate

FROM: Secretary, Senate Committee on Undergraduate Studies

SUBJECT: Calendar Changes 2025-2026 from December 5, 2024, SCUGS Meeting

At a meeting held on December 5, 2024 the Senate Committee on Undergraduate Studies considered and approved the following items for transmission to the Office of the Secretary of Senate:

Proposed Calendar Changes – Faculty of Science

- *Changes to existing course BIOL 3050* - The Biochem PR option for this course (BIOC 2200) is no longer offered. Students should take HUBI 2004 and HUBI 2901 in place of BIOC 2200 or BIOL 2250. The second minor change is the addition of HUBI 2001 to the list of PR, which has replaced BIOC 2201 in the HUBI major. HUBI 2001 and BIOC 2201 are the same course.
- Changes to existing course BIOL 3709 – changed the course description and prerequisite structure for the course.
- Changes to existing course BIOL 4050 – change the course to ensure the title more accurately reflects the content.
- Changes to existing course BIOL 4052 – changed to increase the accessibility of the course to students.
- Changes to existing course BIOL 3711 – removed laboratory hours.
- Changed PR for COMP 2001, 2002 and 2003 and removed Computational Chemistry from COMP 2004 course restriction.
- Changed course restrictions for COMP 2004-2008

- New course COMP 3150 and updated course title and description for COMP 2001

Proposed Calendar Changes – School of Arts and Social Science

- New title for ENGL 2145 – changed title to be line with critical literature and theory in the field.
- Regularize ENGL 4836

Please be advised that Senate Committee on Undergraduate Studies has received the information required for the approval of the above-noted calendar changes. As these changes are related to existing courses, SCUGS has the authority to approve these changes and the information is being sent to the Office of the Secretary of Senate for information purposes and record keeping.

At a meeting held on December 5, 2024 the Senate Committee on Undergraduate Studies considered and endorsed the following items for transmission to Senate for addition to the **Consent** agenda:

Proposed Calendar Changes – Faculty of Engineering and Applied Sciences

- Engineering Promotion regulations - Require students to take at Memorial a majority of the nine courses that count towards the Engineering One promotion average
- Engineering Promotion regulations - Raise the Engineering One promotion average threshold, at which a student is guaranteed promotion to their choice of major, from 75% to 80%.

Proposed Calendar Changes – Faculty of Science

- Amendment to Biology and Statistics Joint Honours – proposing to update a deletion that was overlooked in the last round of changes.
- Amendments to Computer Science Majors – proposing to have one single major with multiple concentrations
- Changes to Computer Science Major Admissions – proposing to include Math 2000 and 2050 as options for satisfying the math requirement.
- Changes to Computer Science Major Admissions – proposing to require at least 5 courses for admission into the major to have numerical grades.
- Changes to Marine Biology Joint Major and Honours – proposing to address a small number of relatively minor changes to ensure recently cross-listed courses required for these major programs are counted appropriately.

- Changes to Computer Science and Physics Joint programs – proposing to remove COMP3731 as a required course and add a requirement for three additional credit hours in Computer Science courses at the 3000-or 4000-level. Additionally, it is proposed to allow Math 1006 as an acceptable option to MATH 1000 for these programs. Finally, it is proposed to remove a suggestion to take COMP 2500 – Data Analysis with Scripting Languages as an elective for this program.

Proposed Calendar Changes – School of Arts and Social Science

- Changes to FOLK Minor requirements – include FOLK 2230 as an option.
- Changes to Grenfell BBA – modify English requirements for BUSN 2021; correct and error in Table and suspend articulation agreement with CNA for the two-year business administration (general) diploma.

At a meeting held on December 5, 2024 the Senate Committee on Undergraduate Studies considered and endorsed the following items for transmission to Senate for addition to the **Regular** agenda:

Proposed Calendar Changes – Faculty of Engineering and Applied Sciences

- Adding credit hours to Engineering Work Terms



Jennifer Porter
Deputy Registrar and
Secretary to the Committee

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Cover Page

LIST OF CHANGES

Indicate the Calendar change(s) being proposed by checking and completing as appropriate:

- New course(s):
- Amended courses:** ENGI 001W, 002W, 003W, 004W, 005W, 006W
- New program(s):
- Amended or deleted program(s):
- New, amended or deleted Glossary of Terms Used in the Calendar entries
- New, amended or deleted Admission/Readmission to the University (Undergraduate) regulations
- New, amended or deleted General Academic Regulations (Undergraduate)
- New, amended or deleted Faculty, School or Departmental regulations
- Other:

ADMINISTRATIVE AUTHORIZATION

By signing below, you are confirming that the attached Calendar changes have obtained all necessary Faculty/School approvals, and that the costs, if any, associated with these changes can be met from within the existing budget allocation or authorized new funding for the appropriate academic unit.

Signature of Dean:

Bing Chen

Digitally signed by Bing
Chen
Date: 2024.11.20
17:32:49 -03'30'

Date:

November 11, 2024

Date of approval by Faculty Council:

2024 October 30

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Senate Summary Page for Courses

COURSE NUMBER AND TITLE

ENGI 001W Engineering Work Term 1
ENGI 002W Engineering Work Term 2
ENGI 003W Engineering Work Term 3
ENGI 004W Engineering Work Term 4
ENGI 005W Engineering Work Term 5
ENGI 006W Engineering Work Term 6

RATIONALE

In order to graduate from Memorial's Bachelor of Engineering program students must successfully complete four work terms (each spanning four months) and may complete up to six. These work terms are highly controlled and monitored, and are approved and evaluated by Academic Staff Members in Cooperative Education (ASMs-CE). ASMs-CE also conduct a series of Professional Development Seminars (ENGI 200W) that covers many of the necessary professional skills needed by students prior to entering their first work term. The ASMs-CE ensure students complete learning objectives and a communications deliverable for each work term. Evaluation of the work term is by the ASM-CE with feedback from their employer.

Memorial's Bachelor of Engineering program is also accredited by CEWIL Canada which is the lead organization for work-integrated learning in Canada. This accreditation considers Co-op programs to ensure they are structurally sound, have commitment from the institution, and deliver a quality program with monitoring and evaluation. The current CEWIL accreditation for Memorial's Engineering program runs to the end of 2027.

During the Faculty of Engineering and Applied Science accreditation cycle by the Canadian Engineering Accreditation Board (CEAB) in 2023/2024, all five programs attempted to include the mandatory work terms towards 'accreditation units' (AUs) that are required to demonstrate competence in each of the 12 Graduate Attributes (GAs) required by Engineering undergraduates for graduation.

These GAs, which include both technical skills and non-technical skills, are:

1. A knowledge base for engineering
2. Problem analysis *
3. Investigation *
4. Use of engineering tools
5. Design
6. Individual and team work *
7. Communication skills *
8. Professionalism *
9. Impact on society and environment
10. Ethics and equity *
11. Economics and project management *
12. Lifelong learning *

The starred * attributes are those that are particularly developed during students' work terms.

Unfortunately, the accreditation visiting team on behalf of the CEAB determined that, because the work terms do not earn an academic credit, they cannot be included in the AUs for accreditation purposes. Both before and during the accreditation visit, the chair of the visiting team inquired why credit was not being assigned to these work terms and that it was not the CEAB's desire to discourage work terms.

Currently the only undergraduate program at Memorial that appears to have work terms earning credit is in Political Science. Students are required to complete 3 work terms to gain a co-op designation, and the third work term (POSC 460W) carries 3 credit hours, which can be used towards one of the electives in that program. POSC 460W has the same fee structure as other work terms at Memorial. This proposal will follow that same structure.

Engineering work terms at Memorial appear on a student's transcript. There are 'grades' for Performance and Technical Report (Communications deliverable) along with an overall grade of 'Pass with Distinction / Pass / Fail'. There is no overall bearing on a student's GPA. This proposal will continue to follow that structure.

The Engineering Program at Memorial totals 141 credit hours, exclusively in academic courses, while currently the four mandatory and two optional work terms carry no credit hours. There were some questions during this research about how academic credit for work terms would affect this total, and how the optional work terms could be incorporated.

There are other Engineering Co-operative Education programs in Canada (both mandatory and optional) that result in students earning credits towards their degree, or a co-operative education designation. These work term credits are in addition to any required for academic courses and are non-transferrable. That is, a work term credit cannot be swapped for a required academic course credit, or vice versa. This proposal will follow that same structure in that the credit hours for work terms will not change the 141 credit hours from academic courses required for graduation.

Credit hours for work terms are to be assigned based upon a reasonable assumption of teaching / learning hours for the students. Currently work terms carry a Banner course load hours weight of 15 hours, the equivalent of a full-time course load. This is because students are working full time (35-40 hours/week) and this prevents them from taking more than one additional course. While retaining the Banner course load, it is proposed that each Engineering work term will carry 3 credit hours. This represents a reasonable estimate of the amount of time students directly interact and learn from their supervisors, colleagues, and other students towards developing their skills. Adding these credit hours also will more properly recognize the learning and educational benefits derived by students while on their cooperative education work terms.

ANTICIPATED EFFECTIVE DATE

Fall 2025

CALENDAR CHANGES

Append to the second paragraph of Engineering regulation 4.4

<https://www.mun.ca/university-calendar/st-johns-campus/faculty-of-engineering-and-applied-science/4/4/> (insertion in red font and underlined)

4.4 Work Terms

A student must successfully complete a minimum of four work terms in order to graduate with a Bachelor of Engineering degree. The Bachelor of Engineering degree offers the opportunity to complete up to five work terms beyond academic term 3. A student is expected to complete as many of these work terms as possible. Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.

A student who expects to complete the Engineering One requirements by the end of the Winter semester may apply to the Committee on Undergraduate Studies to undertake a work term during the Spring semester of Engineering One. Academic performance is the basis for approving such requests.

There are no changes to the remainder of 4.4 (or to 4.4.1 or 4.4.2).

Amend Engineering regulation 11.8 as follows (deletions in ~~green font and struck through~~), to remove “CH: 0” from all six work terms. The default of three credit hours will then apply.

The course ENGI 200W “Work Term Preparation and Professional Development” remains at zero credit hours.

11.8 Work Terms and Non-Credit

Engineering work terms and non-credit courses are designated by ENGI.

ENGI 001W Engineering Work Term 1

provides opportunity for an introductory experience in an engineering work environment. Students are expected to learn, develop and practise the basic standards of behaviour, discipline and performance normally found in a professional work environment. They are expected to learn the basics of technical writing and to become familiar with the various communications tools used in an engineering work environment.

CH: 0

LC: 0

PR: ENGI [200W](#)

ENGI 002W Engineering Work Term 2

requires students, under supervision, to contribute positively to the engineering and problem solving processes practised in the work environment. They are expected to set objectives, take direction, work independently as required, learn professional behaviours, and function as effective team members. An ability to investigate work-related concepts should be demonstrated. Students should become better familiarized with the use of engineering tools, data analysis, prioritization of assignments, and effective communication of technical information.

CH: 0

LC: 0

PR: ENGI 001W, ENGI 3101

ENGI 003W Engineering Work Term 3

requires greater participation in the students' engineering discipline. They become more experienced and proficient in problem solving and use of appropriate design processes. They should demonstrate speed and accuracy in their work, accept greater responsibility and be able to function with less direct supervision. Good judgement, increased initiative and improved analytical skills are expected to develop at this stage. Students should better appreciate the attitudes, responsibilities, and ethics expected of engineers.

CH: 0

LC: 0

PR: ENGI 002W

ENGI 004W Engineering Work Term 4

requires students to engage in complex facets of engineering. Participation in their selected engineering discipline is expected. Students should be able to contribute independently to design and/or problem solving processes, understand their responsibility to society and the environment, understand project management strategies, think critically, and use engineering tools appropriately. The level of responsibility should reflect their academic background and experience. Good teamwork skills are expected and leadership skills may be developed.

CH: 0

LC: 0

PR: ENGI 003W

ENGI 005W Engineering Work Term 5

requires students to continue to engage in advanced facets of engineering. Participation in their selected engineering discipline is expected. Students should apply skills independently in engineering analysis, contribute to a safe work environment, and utilize engineering tools while understanding their limitations. They will contribute significantly to design and/or problem solving processes, and demonstrate project management and leadership abilities. The level of responsibility should be commensurate with their academic background and experience.

CH: 0

LC: 0

PR: ENGI 004W

ENGI 006W Engineering Work Term 6

requires students to further engage in various advanced facets of engineering. Participation in their selected engineering discipline is expected. Students should gain further appreciation of the use and importance of acquired analytical skills in engineering analysis, and significantly contribute to design and/or problem solving processes. The level of responsibility should be commensurate with their academic background and experience. Work scope should be mostly independent, with longer timelines, and with the possibility of leadership opportunities.

CH: 0

LC: 0

PR: ENGI 005W

ENGI 200W Work Term Preparation and Professional Development

introduces the Co-operative Education process and professional development, and prepares the student for work terms. This course is designed to assist students to apply for, interview and obtain the first work term, as well as to be prepared for a professional work environment. It is a one semester course offered during the Fall and Winter semesters of Engineering One, prior to a student's first work term competition. This course is graded PAS or FAL.

AR: attendance is required

CH: 0

LC: as scheduled

[6.1.1 Civil Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Civil Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Civil Engineering Major](#).

- Work terms shall normally be taken in the order as set out in [Civil Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.

[6.2.1 Computer Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Computer Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Computer Engineering Major](#).
- Work terms shall normally be taken in the order as set out in [Computer Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.
- The requirements for a minor in Physics in the Computer Engineering program are detailed under [Faculty of Science, Minor in Physics](#). Students wishing to undertake a minor in Physics must obtain approval from the Head of the Department of Electrical and Computer Engineering for their course selection.

[6.3.1 Electrical Engineering](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Electrical Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Electrical Engineering Major](#).
- Work terms shall be taken in the order as set out in [Electrical Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.
- The requirements for a minor in Physics in the Electrical Engineering program are detailed under [Faculty of Science, Minor In Physics](#). Students wishing to undertake a minor in Physics must obtain approval from the Head of the Department of Electrical and Computer Engineering for their course selection.

[6.4.1 Mechanical Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Mechanical Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Mechanical Engineering Major](#).
- Work terms shall normally be taken in the order as set out in [Mechanical Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.

[6.5.1 Mechatronics Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Mechatronics Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Mechatronics Engineering Major](#).
- Work terms shall normally be taken in the order as set out in [Mechatronics Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.

[6.6.1 Ocean and Naval Architectural Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Ocean and Naval Architectural Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Ocean and Naval Architectural Engineering Major](#).
- Work terms shall normally be taken in the order as set out in [Ocean and Naval Architectural Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.
- Ocean and Naval Architectural Engineering students may complete a minor in Mathematics as outlined under [Faculty of Science, Mathematics, Minor in Mathematics](#).

[6.7.1 Process Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Process Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Process Engineering Major](#).
- Beginning in Academic Term 6, a student will follow the [Chemical and Bioprocess](#) Stream or the [Mineral and Energy Resources](#) Stream with elective course options as outlined in [Process Engineering Major](#).

- Work terms shall normally be taken in the order as set out in [Process Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.
- Process Engineering students may complete a minor in Chemistry as outlined under [Faculty of Science, Chemistry, Minor in Chemistry](#).

CALENDAR ENTRY AFTER CHANGES

4.4 Work Terms

On this page

- [4.4.1 General Information](#)
- [4.4.2 Evaluation of Work Terms](#)

www.mun.ca/coop/programs/engineering

www.mun.ca/coop

Engineering work term registration, grading, and tuition fee charges and payments are governed by the [University Regulations \(Undergraduate\)](#) in this Calendar and those outlined below. Engineering work term placement and opt-outs, conduct, and evaluation are governed by the [Engineering Co-operative Education Student Rules and Regulations Handbook](#). Any changes to the Engineering Co-operative Education Student Rules and Regulations Handbook require the approval of the Committee on Undergraduate Studies.

A student must successfully complete a minimum of four work terms in order to graduate with a Bachelor of Engineering degree. The Bachelor of Engineering degree offers the opportunity to complete up to five work terms beyond academic term 3. A student is expected to complete as many of these work terms as possible. Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not

interchangeable with and cannot substitute for any academic course credits required for the degree.

A student who expects to complete the Engineering One requirements by the end of the Winter semester may apply to the Committee on Undergraduate Studies to undertake a work term during the Spring semester of Engineering One. Academic performance is the basis for approving such requests.

All students in academic terms 3 to 7 and any student approved to complete a work term during the Spring semester of Engineering One will be registered automatically during the regular registration period for the next scheduled work term unless the student has opted out. A student may opt out of up to two work terms beyond Academic Term 3 by completing the procedures outlined in the Engineering Co-operative Education Student Rules and Regulations Handbook. Opt-outs normally are approved only in cases where a student has successfully completed a minimum of four work terms.

No changes to 4.4.1 or 4.4.2

11.8 Work Terms and Non-Credit

Engineering work terms and non-credit courses are designated by ENGI.

ENGI 001W Engineering Work Term 1

provides opportunity for an introductory experience in an engineering work environment. Students are expected to learn, develop and practise the basic standards of behaviour, discipline and performance normally found in a professional work environment. They are expected to learn the basics of

technical writing and to become familiar with the various communications tools used in an engineering work environment.

LC: 0

PR: ENGI [200W](#)

ENGI 002W Engineering Work Term 2

requires students, under supervision, to contribute positively to the engineering and problem solving processes practised in the work environment. They are expected to set objectives, take direction, work independently as required, learn professional behaviours, and function as effective team members. An ability to investigate work-related concepts should be demonstrated. Students should become better familiarized with the use of engineering tools, data analysis, prioritization of assignments, and effective communication of technical information.

LC: 0

PR: ENGI [001W](#), ENGI [3101](#)

ENGI 003W Engineering Work Term 3

requires greater participation in the students' engineering discipline. They become more experienced and proficient in problem solving and use of appropriate design processes. They should demonstrate speed and accuracy in their work, accept greater responsibility and be able to function with less direct supervision. Good judgement, increased initiative and improved analytical skills are expected to develop at this stage. Students should better appreciate the attitudes, responsibilities, and ethics expected of engineers.

LC: 0

PR: ENGI [002W](#)

ENGI 004W Engineering Work Term 4

requires students to engage in complex facets of engineering. Participation in their selected engineering discipline is expected. Students should be able to contribute independently to design and/or problem solving processes, understand their responsibility to society and the environment, understand project management strategies, think critically, and use engineering tools appropriately. The level of responsibility should reflect their academic background and experience. Good teamwork skills are expected and leadership skills may be developed.

LC: 0

PR: ENGI [003W](#)

ENGI 005W Engineering Work Term 5

requires students to continue to engage in advanced facets of engineering. Participation in their selected engineering discipline is expected. Students should apply skills independently in engineering analysis, contribute to a safe work environment, and utilize engineering tools while understanding their limitations. They will contribute significantly to design and/or problem solving processes, and demonstrate project management and leadership abilities. The level of responsibility should be commensurate with their academic background and experience.

LC: 0

PR: ENGI [004W](#)

ENGI 006W Engineering Work Term 6

requires students to further engage in various advanced facets of engineering. Participation in their selected engineering discipline is expected. Students should gain further appreciation of the use and importance of acquired analytical skills in engineering analysis, and significantly contribute to design and/or problem solving processes. The level of responsibility should be commensurate with their academic background and experience. Work scope should be mostly independent, with longer timelines, and with the possibility of leadership opportunities.

LC: 0

PR: ENGI [005W](#)

ENGI 200W Work Term Preparation and Professional Development

introduces the Co-operative Education process and professional development, and prepares the student for work terms. This course is designed to assist students to apply for, interview and obtain the first work term, as well as to be prepared for a professional work environment. It is a one semester course offered during the Fall and Winter semesters of Engineering One, prior to a student's first work term competition. This course is graded PAS or FAL.

AR: attendance is required

CH: 0

LC: as scheduled

[6.1.1 Civil Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Civil Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Civil Engineering Major](#).
- Work terms shall normally be taken in the order as set out in [Civil Engineering Major](#). Successful completion of each Engineering Work Term will earn a student

3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.

[6.2.1 Computer Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Computer Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Computer Engineering Major](#).
- Work terms shall normally be taken in the order as set out in [Computer Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.
- The requirements for a minor in Physics in the Computer Engineering program are detailed under [Faculty of Science, Minor in Physics](#). Students wishing to undertake a minor in Physics must obtain approval from the Head of the Department of Electrical and Computer Engineering for their course selection.

[6.3.1 Electrical Engineering](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Electrical Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Electrical Engineering Major](#).
- Work terms shall be taken in the order as set out in [Electrical Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.
- The requirements for a minor in Physics in the Electrical Engineering program are detailed under [Faculty of Science, Minor In Physics](#). Students wishing to undertake a minor in Physics must obtain approval from the Head of the Department of Electrical and Computer Engineering for their course selection.

[6.4.1 Mechanical Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Mechanical Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Mechanical Engineering Major](#).
- Work terms shall normally be taken in the order as set out in [Mechanical Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.

[6.5.1 Mechatronics Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Mechatronics Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Mechatronics Engineering Major](#).
- Work terms shall normally be taken in the order as set out in [Mechatronics Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.

[6.6.1 Ocean and Naval Architectural Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Ocean and Naval Architectural Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Ocean and Naval Architectural Engineering Major](#).
- Work terms shall normally be taken in the order as set out in [Ocean and Naval Architectural Engineering Major](#). Successful completion of each Engineering Work Term will earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.
- Ocean and Naval Architectural Engineering students may complete a minor in Mathematics as outlined under [Faculty of Science, Mathematics, Minor in Mathematics](#).

[6.7.1 Process Engineering Major](#)

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Process Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in [Process Engineering Major](#).
- Beginning in Academic Term 6, a student will follow the [Chemical and Bioprocess](#) Stream or the [Mineral and Energy Resources](#) Stream with elective course options as outlined in [Process Engineering Major](#).
- Work terms shall normally be taken in the order as set out in [Process Engineering Major](#). Successful completion of each Engineering Work Term will

earn a student 3 credit hours. These work term credit hours are not interchangeable with and cannot substitute for any academic course credits required for the degree.

- Process Engineering students may complete a minor in Chemistry as outlined under [Faculty of Science, Chemistry, Minor in Chemistry](#).

Memorial University of Newfoundland Undergraduate Calendar Change Proposal Form Appendix Page

RESOURCE IMPLICATIONS

None.

CONSULTATIONS SOUGHT

Academic Unit	Reply received
Humanities and Social Sciences	No
Business Administration	No
Education	No
Human Kinetics and Recreation	No
Medicine	Yes
Music	No
Nursing	Yes
Pharmacy	Yes
Science (1 department)	No
Social Work	No
Library	Yes
Grenfell Campus	
Arts and Social Science	No
Science and the Environment	No
Fine Arts	No
Marine Institute	
	No
Labrador Institute	
Arctic and Subarctic Studies	No

LIBRARY REPORT

Not applicable

Consultation e-mail, sent 2024 Oct. 16

From Engineering Consult <enrconsult@mun.ca>
To Business Administration, Consultations <eoldford@mun.ca>, Education, Consultations <educdean@mun.ca>, School of Arts and Social Science Grenfell <gcsass@mun.ca>, School of Fine Arts Grenfell <gcsofa@mun.ca>, School of Science and the Environment Grenfell <gcsse@mun.ca>, HKR <hkrdean@mun.ca>, HSS, Consultations <assocdeancphss@mun.ca>, Arctic and Subarctic Studies Labrador Institute <sylvia.moore@mun.ca>, Marine, Institute <miugconsultations@mi.mun.ca>, Medicine, Dean of <DeanOfMedicine@mun.ca>, Music, Consultations <musicdean@mun.ca>, Nursing, Dean of <deanNurse@mun.ca>, Pharmacy, School of <pharminfo@mun.ca>, Dean of Science <deansci@mun.ca>, Social Work, School of <adeanugradswk@mun.ca>, University Librarian <univlib@mun.ca>
Cc Salim Ahmed <sahmed@mun.ca>, Jonathan Anderson <jonathan.anderson@mun.ca>, Assistant Registrar Engineering <enr_registrar@mun.ca>, Marissella Garzon <mgarzon@mun.ca>, Jayde Edmunds <edmundsj@mun.ca>, pwsullivan@mun.ca, geoffs@mun.ca
Date Wed 15:20

Please find attached proposed Calendar changes to place three credit hours on each work term in the Bachelor of Engineering program.

We would appreciate receipt of any comments by November 14.

--

Dr. Glyn George, Chair
Committee on Undergraduate Studies
Faculty of Engineering and Applied Science
Memorial University of Newfoundland
St. John's NL A1B 3X5

Replies

From the Faculty of Medicine, 2024 October 16

From medvicedean <medvicedean@mun.ca>
To engrconsult@mun.ca <engrconsult@mun.ca>
Cc Dean of Medicine : McKeen, Dr. Dolores <deanofmedicine@mun.ca>
Date Wed 18:55
Hi,

On behalf of the Faculty of Medicine, there are no concerns with the proposed changes.

Thanks, Danielle

DANIELLE O'KEEFE MD CCFP FCFP MSc CCPE
Vice Dean, Education and Faculty Affairs
Associate Professor of Family Medicine
Faculty of Medicine
Memorial University of Newfoundland

From the Faculty of Nursing, 2024 October 17

From DeanNurse <DeanNurse@mun.ca>
To Engineering Consult <engrconsult@mun.ca>
Date Today 09:00
Good morning again, Dr. George :)

Dr. Pike has reviewed the calendar change pertaining to credit hours for work terms and she tells me that she sees no questions or concerns from the Faculty of Nursing.

Thanks again!
Jane

From the School of Pharmacy, 2024 October 18

From McGrath, Gerona <geronam@mun.ca>
To Engineering Consult <engrconsult@mun.ca>
Date Today 15:19

Thank you for the opportunity to review the proposed changes to the work terms in Engineering. There is no impact on the School of Pharmacy.

Gerona

Gerona McGrath MBA, M.Ed.
Manager of Academic Programs
School of Pharmacy

From the University Libraries, 2024 November 01

From Rose, Kathryn <kathrynr@mun.ca>
To engrconsult@mun.ca <engrconsult@mun.ca>
Date Today 13:24

Good Afternoon Glyn,

These changes will have no impact on the library.

Kathryn



Senate | Committee on Elections, Committees and Bylaws

PO Box 4200
St. John's, NL A1C 5S7
www.mun.ca/senate

December 13, 2024

TO: The Chair and Members of Senate

FROM: Dr. Lee Ann McKivor, University Registrar and Interim Secretary of Senate and Chair, Senate Committee on Elections, Committees and Bylaws

SUBJECT: Recommendation for appointment to University Planning and Budget Committee

The Senate Committee on Elections, Committees, and Bylaws has received and considered the following nomination for membership on the University Planning and Budget Committee:

1. Dr. Nancy Pedri, Faculty of Humanities and Social Sciences, Department of English

The committee recommends the appointment of the nominee.