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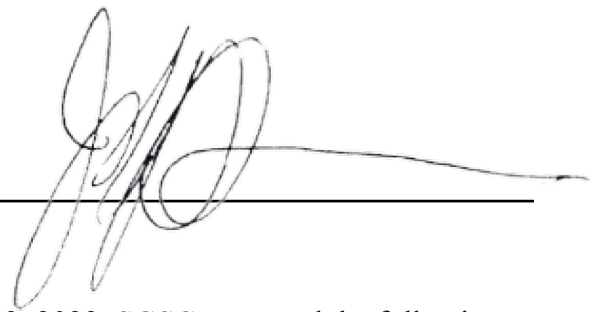
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**MEMORANDUM**

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**ATTENTION** Senate **DATE** June 21, 2023  
**FROM** Jeff Derksen,  
Chair of Senate Graduate Studies  
Committee (SGSC)  
**RE:** Program Changes



**For information:**

Acting under delegated authority at its meeting of June 13, 2023, SGSC approved the following curriculum item, effective **SPRING 2024**:

**Beedie School of Business**

Program Change: Management Graduate Diploma

**Faculty of Applied Science**

School of Engineering Science

Program Change: Engineering Science MSc

**Faculty of Science**

Department of Chemistry

Program Change: Chemistry MSc

Department of Earth Sciences

Program Change: Earth Sciences PhD

Department of Physics

Program Change: Physics PhD



Segal Graduate School

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**Memo to SGSC**

**To: Senate Graduate Studies Committee**  
**From: Andrew Gemino, Associate Dean, Graduate Programs**  
**Re: Removal of reference to Master in Management in the Graduate Diploma of Management calendar & Change to Graduate Course Change Form**  
**Date: April 14<sup>th</sup> 2023**

The following curriculum revisions have been approved by the Beedie School of Business and are forwarded to the Senate Graduate Studies Committee for approval.

Please include them on the next SGSC agenda.

- **Removal of wording referencing the Master in Management program in the Graduate Diploma of Management academic calendar**
- ~~Graduate Course Change Form for BUS 888~~

Thank you for your attention herein. Should you have any questions or concerns, please do not hesitate to contact me.

Andrew Gemino  
Associate Dean, Graduate Programs, Beedie School of Business

## Calendar Entry Change for Management Graduate Diploma

<p><b>Summary of change:</b></p> <p>Removing references to master in management (MiM) program in diploma calendar entry.</p>
<p><b>Rationale for change:</b></p> <p>MiM is no longer moving forward for approval at the Ministry.</p>
<p><b>Effective term and year:</b></p> <p>Spring 2024</p>
<p><b>Will this change impact current students? If yes, what is the plan for current students?</b></p> <p>No</p>

FROM	TO
<p>GRADUATE DIPLOMA</p> <p>The graduate diploma in management will feature a core of management courses that combine people skills with digital literacy and performance enablers all grounded in the context of management. <del>This program is affiliated with the master in management (MiM) program*.</del></p> <p><del>*The master in management (MiM) program has been approved by SFU's Senate and Board of Governors, and is currently pending approval from the Ministry of Advanced Education. For more information, please see <a href="https://beedie.sfu.ca/programs/graduate">https://beedie.sfu.ca/programs/graduate</a>.</del></p> <p>[...]</p>	<p>GRADUATE DIPLOMA</p> <p>The graduate diploma in management will feature a core of management courses that combine people skills with digital literacy and performance enablers all grounded in the context of management.</p> <p>For more information, please see <a href="https://beedie.sfu.ca/programs/graduate">https://beedie.sfu.ca/programs/graduate</a>.</p> <p>[...]</p>





MEMO

BURNABY

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**ATTENTION**

Dr.Parvaneh Saeedi  
Associate Dean, Research & Graduate Studies , FAS

**FROM**

Dr. Mirza Faisal Beg  
Chair, Graduate Studies Committee, School of Engineering Science

**RE**

MASc Program Calendar Change Request

**DATE**

April 11, 2023

This memo is to accompany the program calendar change request for the Master of Applied Science (MASc).

This is anticipated to appear in the MASc program calendar for Spring 2024.

The rationale for the change is to exclude ENSC 803 (Writing for Publication) to be used towards to the program requirement since it is a non-technical course. This change will also align the program requirements of MASc with the PhD program and maintain the consistency on the calendar.

X

Dr. Mirza Faisal Beg  
GPC Chair, School of Engineering Science

## Calendar Entry Change for ENSC Master of Applied Science (MAsc)

Summary of change: Exclude ENSC 803 credits to be used towards to the program requirement
Rationale for change: ENSC 803 is a non-technical course which currently cannot be used towards to ENSC Doctor of Philosophy (PhD) requirement. This change is to align the program requirements of MAsc with the PhD program.
Effective term and year: Spring 2024
Will this change impact current students? If yes, what is the plan for current students? No

FROM	TO
<h3>Program Requirements</h3> <p>This program consists of course work and a thesis for a minimum of 30 units. The courses will normally be selected in consultation with the supervisor. ENSC 820 may not be used towards the MAsc course requirements. Additional courses may be required to correct deficiencies in the student's background. If the subject matter of a required course has been previously completed for credit, the course may not be completed again for credit.</p> <p>Students must complete</p> <p>a minimum of six units of ENSC graduate courses (excluding ENSC 704, ENSC 803, ENSC 820, ENSC 891, ENSC 892, ENSC 896, ENSC 897, ENSC 898, ENSC 899)</p> <p>a minimum of six units of additional graduate courses (<del>at most three units may be directed studies or Industrial Internship</del>)</p> <p>and a thesis</p> <p><u>ENSC 898 - MAsc Thesis (18)</u></p>	<h3>Program Requirements</h3> <p>This program consists of course work and a thesis for a minimum of 30 units. The courses will normally be selected in consultation with the supervisor. ENSC 820 may not be used towards the MAsc course requirements. Additional courses may be required to correct deficiencies in the student's background. If the subject matter of a required course has been previously completed for credit, the course may not be completed again for credit.</p> <p>Students must complete</p> <p>a minimum of six units of ENSC graduate courses (excluding ENSC 704, ENSC 803, ENSC 820, ENSC 891, ENSC 892, ENSC 896, ENSC 897, ENSC 898, ENSC 899)</p> <p>a minimum of six units of additional graduate courses <b>subject to the following rules</b></p> <ul style="list-style-type: none"> <li>• <b>At most three units may be directed studies or Industrial Internship</b></li> <li>• <b>ENSC 803 cannot be used towards the degree requirement</b></li> </ul> <p>and a thesis</p> <p><u>ENSC 898 - MAsc Thesis (18)</u></p>

## MEMO

Faculty of  
Science

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ATTENTION: Senate Graduate Studies Committee

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FROM: Vance Williams, Associate Dean Graduate Studies,  
Faculty of Science

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RE: Proposed ~~Course Additions and~~ Program Changes for Spring  
2024, Faculty of Science

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DATE: May 10, 2023

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Dear SGSC,

The following curriculum changes have been approved by the Faculty of Science and are being submitted to the Senate Graduate Studies committee for approval.

~~The following new courses are being proposed:~~

~~CHEM 803 Lectures in Modern Chemistry Research~~

~~BISC 805 Teaching and Learning in Undergraduate Sciences~~

The following program changes are being proposed:

**CHEM MSc program**

**EASC PhD program**

**PHYS PhD program**

Enclosed are the documents in support of these changes.

Sincerely,



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Vance Williams  
Associate Dean Graduate Studies, Faculty of Science

**MEMO** | ATTENTION: Faculty of Science Graduate Studies  
Committee

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**Department of  
Chemistry** | FROM: Tim Storr

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| RE: Program Change – CHEM MSc

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| DATE: April 11<sup>th</sup>, 2023

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Dear FGSC,

Please find attached, the program change form for CHEM MSc, for approval by the Faculty of Science Graduate Studies Committee.

The rationale for the program change: add a new seminar course, to the current chemistry graduate curriculum as part of the program requirement.

This will be a 0-credit course so there would be no change on the unit totals. This course is targeting only Chemistry MSc students and not open to students outside the chemistry department.

All the resources required to offer this course will come from the Chemistry Department. The proposal was approved at our recent departmental meeting on Thursday, March 9th, 2023.

Please contact me if you have any questions, or if you require any changes.

Sincerely,



Tim Storr  
Chemistry Graduate Program Chair



## Calendar Entry Change for Department of Chemistry

Summary of change: To add a new course on the program requirement.
Rationale for change: To formalize a requirement that first year MSc students attend weekly department seminars to learn about the latest research and develop critical thinking skills.
Effective term and year: Spring 2024
Will this change impact current students? If yes, what is the plan for current students? This will impact incoming MSc students who are starting in Fall 2023 onwards.

FROM	TO
<p>This program consists of required courses, elective courses, and a thesis for a minimum of 30 units.</p> <p>Students must complete</p> <p><u><a href="#">CHEM 801 - Student Seminar (3)</a></u> <u><a href="#">CHEM 802 - M.Sc. Research Proposal and Examination (3)</a></u></p> <p>(Students are required to take CHEM 801 and 802 in the first year of their program.)</p> <p>and six units of graduate courses</p> <p>and a thesis</p> <p><u><a href="#">CHEM 898 - MSc Thesis (18)</a></u></p>	<p>This program consists of required courses, elective courses, and a thesis for a minimum of 30 units.</p> <p>Students must complete</p> <p><u><a href="#">CHEM 801 - Student Seminar (3)</a></u> <u><a href="#">CHEM 802 - M.Sc. Research Proposal and Examination (3)</a></u></p> <p>(Students are required to take CHEM 801 and 802 in the first year of their program.)</p> <p><b>CHEM 803 - Lectures in Modern Chemistry Research (0)</b> <b>(Students are required to take CHEM 803 for two terms - Fall and/or Spring term)</b></p> <p>and six units of graduate courses</p> <p>and a thesis</p> <p><u><a href="#">CHEM 898 - MSc Thesis (18)</a></u></p>



DEPARTMENT  
OF EARTH SCIENCES

MEMO

ATTENTION Vance Williams - Associate Dean of  
Graduate Studies, Faculty of Science

FROM Gwenn Flowers - Graduate Program Chair, Department of Earth Sciences

RE Simplification of requirements for MSc-to-PhD transfer in EASC

DATE May 8, 2023

TIME 12:08 PM

Please find attached a request for changes to the requirements for MSc-to-PhD program transfer in EASC. These changes have been approved by the department and are intended to reduce obstacles to transfer from MSc to PhD programs, to clarify requirements for students and to adopt wording consistent with university requirements.

A handwritten signature in black ink, appearing to read "Gwenn Flowers".

Dr. Gwenn E. Flowers  
Professor & Graduate Program Chair

## Calendar Entry Change for EASC PhD

<p>Summary of change:</p> <p>Simplification of requirements for transfer from MSc to PhD program in EASC</p>
<p>Rationale for change:</p> <p>To reduce obstacles to transfer from MSc to PhD programs, to clarify requirements and to adopt wording consistent with university requirements</p>
<p>Effective term and year: Spring 2024</p>
<p>Will this change impact current students? If yes, what is the plan for current students?</p> <p>Yes. Program changes will make it easier for current students to transfer from the MSc to PhD Program, as intended.</p>

FROM	TO
<p>[...] Transfer from MSc to PhD Program</p> <p>Students who have excelled in their academic programs and who are judged to have outstanding research potential may apply for transfer from the MSc to the PhD program. The following are required:</p> <ul style="list-style-type: none"> <li>• <del>At least three terms, and not more than six terms, in the earth sciences MSc program;</del></li> <li>• A cumulative grade point average of at least <del>3.67</del> in the MSc program;</li> <li>• <del>A record of strong performance as demonstrated in the graduate progress report;</del></li> <li>• Successful completion of the <del>MSc Thesis Proposal;</del></li> <li>• <del>Evidence of research potential in the form of a scholarly work or portfolio of scholarly works (see Department of Earth Sciences website);</del></li> <li>• <del>A doctoral thesis proposal (see PhD program requirements);</del></li> <li>• <del>Approval of the student's supervisory committee in the form of a letter of</del></li> </ul>	<p>[...] Transfer from MSc to PhD Program</p> <p>Students who have excelled in their academic programs and who are judged to have outstanding research potential may apply for transfer from the MSc to the PhD program. The following are required:</p> <ul style="list-style-type: none"> <li>• <b>Completion of at least 75% of the course work units required for the MSc program</b></li> <li>• A cumulative grade point average of at least <b>3.5</b> in the MSc program</li> <li>• Successful completion of <b>EASC 810 (MSc Thesis Proposal)</b></li> <li>• <b>Endorsement of the student's supervisory committee in the form of a letter co-signed by all members. The letter should state the rationale for transfer, provide evidence of the student's<sup>S</sup> doctoral research potential and address any perceived shortcomings in the application.</b></li> <li>• Approval of the departmental graduate program committee</li> </ul>

<p>recommendation from the supervisor and written approval of the committee members. The letter should address any perceived shortcomings in the application, including for example, a marginal CGPA or a limited record of scholarly work;</p> <ul style="list-style-type: none"><li>• Approval of the departmental graduate program committee.</li></ul> <p>[...]</p>	<p><b>An application for transfer can only be submitted after the second term and before the seventh term in the MSc program.</b></p> <p>[...]</p>
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MEMO

**ATTENTION** Vance Williams, Associate Dean, Graduate Studies

**FROM** Nancy Forde, Graduate Program Chair, Physics

**RE** Minor Program Change: Physics PhD

**DATE** May 8, 2023

The following program change has been approved by the Department of Physics and is forwarded to the Faculty for approval. This curriculum item should be effective for **Spring 2024**.

***Minor Program Change***

Physics PhD: unit change from 30 to 39

Please see the rationale for this change on the accompanying program change form.

Dr. Nancy Forde  
Graduate Program Chair

## Calendar Entry Change for Physics Doctor of Philosophy

<p>Summary of change: Reducing the number of required elective units from 12 to 9; updating the total number of units for the program.</p>
<p>Rationale for change:</p> <ol style="list-style-type: none"> <li>1. Correcting the total number of units for the program. The number of units for the PhD thesis was changed in 2019 but the total number of units for the program was not updated.</li> <li>2. Changing the required number of units for course work to be in line with other Physics PhD programs across Canada. Currently, SFU Physics PhD program requires students to complete 24 course units, while the nation's average is between 15 and 21 units. This change will make our PhD program more competitive and attractive to students, as well as help to improve completion time.</li> </ol>
<p>Effective term and year: Spring 2024</p>
<p>Will this change impact current students? If yes, what is the plan for current students? Only if they have not yet completed the currently required 12 elective units; in this case, they will only need to complete 9 elective units.</p>

FROM	TO
<p>[...]</p> <h3>Program Requirements</h3> <p>This program consists of course work and a thesis for a minimum of <del>30 units</del>. The minimum course requirements for the physics PhD program are determined on an individual basis. Upon admission, the graduate program committee will review a student's previous coursework and set minimum requirements according to the guidelines provided below. For students with MSc degrees not from SFU, the graduate program committee will award credit for equivalent coursework.</p> <p>The physics department requires that students complete a combined total of <del>24</del></p>	<p>[...]</p> <h3>Program Requirements</h3> <p>This program consists of course work and a thesis for a minimum of <b>39 units</b>. The minimum course requirements for the physics PhD program are determined on an individual basis. Upon admission, the graduate program committee will review a student's previous coursework and set minimum requirements according to the guidelines provided below. For students with MSc degrees not from SFU, the graduate program committee will award credit for equivalent coursework.</p> <p>The physics department requires that students complete a combined total of <b>21</b></p>

<p>units of coursework during the master's and PhD programs.</p> <p>Students must complete</p> <p><u>PHYS 801 - Student Seminar (1)</u>  <u>PHYS 802 - Introduction to Graduate Studies: Research and Teaching in Physics (2)</u>  <u>PHYS 810 - Advanced Quantum Mechanics (3)</u>  <u>PHYS 841 - Statistical Mechanics (3)</u></p> <p>and one of</p> <p><u>PHYS 821 - Advanced Electromagnetism I (3)</u>  <u>PHYS 822 - Advanced Electromagnetism II (3)</u></p> <p>and <del>12 other units</del> of graduate courses</p> <p>and a thesis</p> <p><u>PHYS 899 - PhD Thesis (18)</u></p> <p>[...]</p>	<p><b>units</b> of coursework during the master's and PhD programs.</p> <p>Students must complete</p> <p><u>PHYS 801 - Student Seminar (1)</u>  <u>PHYS 802 - Introduction to Graduate Studies: Research and Teaching in Physics (2)</u>  <u>PHYS 810 - Advanced Quantum Mechanics (3)</u>  <u>PHYS 841 - Statistical Mechanics (3)</u></p> <p>and one of</p> <p><u>PHYS 821 - Advanced Electromagnetism I (3)</u>  <u>PHYS 822 - Advanced Electromagnetism II (3)</u></p> <p>and <b>9 other units</b> of graduate courses</p> <p>and a thesis</p> <p><u>PHYS 899 - PhD Thesis (18)</u></p> <p>[...]</p>
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