

Simon Fraser University  
Maggie Benston Centre 1100  
8888 University Drive  
Burnaby, BC V5A 1S6

TEL 778.782.3042  
FAX 778.782.3080

gradstudies@sfu.ca  
www.sfu.ca/grad

**MEMORANDUM**

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**ATTENTION** Senate

**DATE** March 25, 2021

**FROM** Jeff Derksen,  
Chair of Senate Graduate Studies  
Committee (SGSC)

**RE:** Program Changes




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**For information:**

Acting under delegated authority at its meeting of March 2, 2021, SGSC approved the following program changes, effective **Fall 2021**:

**Beedie School of Business**

- 1) Program change: Science and Technology Commercialization Graduate Certificate

**Faculty of Education**

- 2) Program change: Educational Practice MEd

**Faculty of Science**

Department of Statistics and Actuarial Science

- 3) Program change: Actuarial Science MSc



**Memo to SGSC**

**To: Senate Graduate Studies Committee**  
**From: Carolyn Egri, Acting Associate Dean, Graduate Programs**  
**Re: Calendar and Curriculum Changes for Fall 2021**  
**Date: February 3, 2021**

The following calendar and curriculum revisions have been approved by the Beedie School of Business and are being forwarded to the Senate Graduate Studies Committee for approval. These program changes should be effective for **Fall 2021**.

Please include the following on the next SGSC agenda.

**Executive MBA**

- ~~Calendar Entry Change for Executive MBA: Removal of language in the Executive MBA calendar entry referring to the Indigenous Business and Leadership special cohort~~

**Graduate Certificate in Science and Technology Commercialization**

- **Calendar Entry Change for Graduate Certificate in Science and Technology Commercialization**
- ~~New Graduate Course Proposal: BUS 798~~

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

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Dr. Carolyn Egri  
Acting Associate Dean, Graduate Programs  
Beedie School of Business

**Calendar Entry Change for Graduate Certificate in Science and Technology Commercialization**

<p>Summary of change:          Adding language to the calendar to indicate that additional course work may be required depending on the student’s background</p>
<p>Rationale for change:          This will allow the i2I Program to provide additional depth and supervision to those who need it</p>
<p>Effective term and year: Fall 2021</p>
<p>Will this change impact current students? If yes, what is the plan for current students?          No</p>

FROM	TO
<p>[...]</p> <p>This program consists of course requirements for a minimum of 16 units.</p> <p>Students complete all of</p> <p>BUS 790 - Lab to Market (2)            BUS 791 - Opportunity Identification and Assessment (2)            BUS 792 - Financial Literacy for Entrepreneurs (2)            BUS 793 - Business Models (2)            BUS 794 - Leadership and Managing Teams (2)            BUS 795 - Financing the New Venture (2)            BUS 796 - Business Plan I (2)            BUS 797 - Business Plan II (2)</p> <p>[...]</p>	<p>[...]</p> <p>This program consists of course requirements for a minimum of 16 units. <b>Additional courses may be required depending on the student’s background and at the discretion of the academic director.</b></p> <p>Students complete all of</p> <p>BUS 790 - Lab to Market (2)            BUS 791 - Opportunity Identification and Assessment (2)            BUS 792 - Financial Literacy for Entrepreneurs (2)            BUS 793 - Business Models (2)            BUS 794 - Leadership and Managing Teams (2)            BUS 795 - Financing the New Venture (2)            BUS 796 - Business Plan I (2)            BUS 797 - Business Plan II (2)</p> <p>[...]</p>

MEMO

Graduate Studies

8888 University Drive  
Burnaby BC V5A 1S6  
Canada

T: 778.782.3297

[www.sfu.ca/education/gs](http://www.sfu.ca/education/gs)

ATTENTION: Senate Graduate Studies Committee

FROM: Dr. Lucy LeMare,  
Associate Dean, Graduate Studies in Education

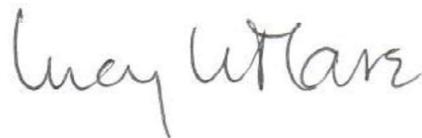
RE: Education Graduate Studies Course Change

DATE: February 2, 2021

The following graduate course change has been approved by the Faculty of Education and is forwarded to the Senate Graduate Studies Committee for approval. This curriculum item should be effective for the Fall 2021 term. Please include on the next SGSC agenda.

**Faculty of Education**

- Change Master of Education in Educational Practice (MEd EP) program from a minimum of 35 units to 37 units
- ~~Change EDUC 883 (5 units) to EDUC 888 (7 units) and approve EDUC 888 as a new course~~



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Dr. Lucy LeMare  
Associate Dean  
Graduate Studies in Education

## Calendar Entry Change for Master of Education in Educational Practice (MEd EP)

<p>Summary of change:</p> <ul style="list-style-type: none"> <li>• Change Master of Education in Educational Practice (MEd EP) program from a minimum of 35 units to 37 units</li> <li>• Change EDUC 883 (5 units) to EDUC 888 (7 units)</li> </ul>
<p>Rationale for change:</p> <p>The MEd EP was approved by SGSC for calendar changes effective May 2019 that were not in compliance with the GGRs. The previous calendar change was approved as a 50-unit program (Graduate Diploma in Education + MEd EP), rather than 52 units as required by GGR 1.7.2. (minimum 22 units for a Diploma and a minimum 30 units in a Master's).</p>
<p>Effective term and year:</p> <p>Fall 2021</p>
<p>Will this change impact current students? If yes, what is the plan for current students?</p> <p>No.</p>

FROM	TO
<p>[...]</p> <p><b>Program Requirements</b></p> <p>This program consists of courses and a comprehensive examination for a minimum of <b>35</b> units.</p> <p>Students must complete</p> <p>EDUC 807 - Inquiry into Practice (5) EDUC 811 - Fieldwork I (5)</p> <p>and one of</p> <p>EDUC 718 - Landscapes of Practitioner Inquiry (5) EDUC 866 - Qualitative Methods in Educational Research (5)</p>	<p>[...]</p> <p><b>Program Requirements</b></p> <p>This program consists of courses and a comprehensive examination for a minimum of <b>37</b> units.</p> <p>Students must complete</p> <p>EDUC 807 - Inquiry into Practice (5) EDUC 811 - Fieldwork I (5)</p> <p>and one of</p> <p>EDUC 718 - Landscapes of Practitioner Inquiry (5) EDUC 866 - Qualitative Methods in Educational Research (5)</p>

and a minimum of 15 graduate units of EDUC course work as determined by the ~~Field Programs~~ coordinator

and a comprehensive examination

EDUC ~~883~~ - MEd Comprehensive Examination (5)

The comprehensive examination normally occurs in the term in which course requirements are completed.

[...]

and a minimum of 15 graduate units of EDUC course work as determined by the **academic** coordinator

and a comprehensive examination

EDUC **888** - MEd Comprehensive Examination (7)

The comprehensive examination normally occurs in the term in which course requirements are completed.

[...]



TASC II 9900  
8888 University Drive, Burnaby, BC  
Canada V5A 1S6

TEL 778.782.5530  
FAX 778.782.3424

[www.sfu.ca/science](http://www.sfu.ca/science)

MEMORANDUM

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ATTENTION Jeff Derksen, Dean of Graduate Studies      DATE February 10, 2021  
FROM Michael Silverman, Associate Dean of Research      PAGES 1  
and Graduate Studies  
RE: Course changes – Actuarial Sciences

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Dear Dean Derksen,

The Faculty of Science has approved the following course changes effective for Fall 2021. Please include these items on the agenda for the next SGSC meeting.

Department of Statistics and Actuarial Science

- 1) ~~Pre requisite changes: for STAT 642, 645, 652, 675, 685~~
- 2) Program changes including: They propose the creation of two new required actuarial courses ACMA 830 and 832, renumbering the third required course ACMA 821 to ACMA 831, deletion of ACMA 820, and addition of three Statistics courses, STAT 831, 832 and 843, to the elective course list.

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Michael A. Silverman, Ph.D.



MEMO

Joan Hu, Graduate Program Chair  
Statistics & Actuarial Science  
8888 University Drive  
Burnaby, BC Canada  
V5A 1S6

[joanh@sfu.ca](mailto:joanh@sfu.ca)  
[www.sfu.ca/stat-actsci](http://www.sfu.ca/stat-actsci)

**ATTENTION:**  
**Michael Silverman, Associate Dean of  
Science**

TEL

**FROM** Joan Hu, Graduate Program Chair

**RE** Changes to be made into ActSci Graduate Program

**DATE** Feb 2, 2021

*Department of Statistics & Actuarial Science*

**Motion 1:** A set of changes into the current ACMA graduate program. Please see the enclosed file "Program Change Form ACMA" for a summary.

**Rational for Motion 1:** To respond to the comments/suggestions at the Department External Review in 2020.

Sincerely,

Joan Hu  
Graduate Program Chair  
Department of Statistics & Actuarial Science

## Calendar Entry Change for Actuarial Science

<p>Summary of change:</p> <p>Create two new required actuarial courses ACMA 830 and 832, renumber the third required course ACMA 821 to ACMA 831, delete ACMA 820, and add three statistics courses STAT 831, 832 and 843 to the elective course list.</p>
<p>Rationale for change:</p> <p>We modernize the graduate curriculum in actuarial science. The 2020 external review considered the structure of the existing program "extremely outdated" and identified the main failing as "the absence of financial mathematics or quantitative risk management" which are addressed by two new graduate courses ACMA 830 and 832.</p> <p>ACMA 821 is renumbered to ACMA 831 so that, together with the two new courses created, it forms a recognizable sequence of core courses under the MSc program (ACMA 830, 831 and 832).</p> <p>We also add three statistics courses STAT 831, 832 and 843 to the elective course list for more options.</p>
<p>Effective term and year: Fall 2021</p>
<p>Will this change impact current students? If yes, what is the plan for current students?</p> <p>Current students who are subject to the existing program requirements and have not yet taken ACMA 820 will be offered other alternatives.</p>

FROM	TO
<p>[...] Students complete</p> <p>STAT 830 - Statistical Theory I (4)</p> <p><del>and two of</del> <del>ACMA 820 - Stochastic Analysis of Insurance Portfolios (4)</del> <del>ACMA 821 - Advanced Actuarial Models (4)</del></p> <p><del>and two of</del></p> <p>ACMA 850 - Actuarial Science: Selected Topics (4)</p> <p>STAT 850 - Linear Models and Applications (4)</p>	<p>[...] Students complete <b>all of</b></p> <p>STAT 830 - Statistical Theory I (4) <b>ACMA 830 - Stochastic Processes for Insurance and Finance (4)</b> <b>ACMA 831 - Advanced Actuarial Models (4)</b> <b>ACMA 832 - Actuarial Risk Management (4)</b></p> <p><b>and one of</b></p> <p>ACMA 850 - Actuarial Science: Selected Topics (4) <b>STAT 831 - Statistical Theory II (4)</b> <b>STAT 832 - Applied Probability Models (4)</b> <b>STAT 843 - Functional Data Analysis (4)</b> STAT 850 - Linear Models and Applications (4)</p>

<p>STAT 851 - Generalized Linear Models and Discrete Data Analysis (4)  STAT 852 - Modern Methods in Applied Statistics (4)  STAT 853 - Applications of Statistical Computing (4)  STAT 855 - Lifetime Data Analysis (4)  STAT 856 - Longitudinal Data Analysis (4)  STAT 857 - Space-Time Models (4)  STAT 890 - Statistics: Selected Topics (4)</p> <p>and four additional graduate units.</p> <p>[...]</p>	<p>STAT 851 - Generalized Linear Models and Discrete Data Analysis (4)  STAT 852 - Modern Methods in Applied Statistics (4)  STAT 853 - Applications of Statistical Computing (4)  STAT 855 - Lifetime Data Analysis (4)  STAT 856 - Longitudinal Data Analysis (4)  STAT 857 - Space-Time Models (4)  STAT 890 - Statistics: Selected Topics (4)</p> <p>and four additional graduate units.</p> <p>[...]</p>
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