Items for Approval

1.0 Approval of Graduands (List to be distributed at the door).

Motion: Move the approval of the graduands (101 B.Sc., 21 B.Sc. Hons, and 9 Certificate in Computer Science) for the 2017 Spring Convocation, with the caveat that the Dean or designate be allowed to remove any names at the Executive of Council that do not meet the required average.

Items for Approval

The Faculty of Science Admissions & Studies Committee has approved the following program change and offers it for approval.

2.0 Department of Computer Science, in conjunction with the Department of Mathematics & Statistics

Effective date of Motion 2.1: 201730

2.1 Motion to remove MATH 429 from the “Three courses from:” in the BSc and BSc Hons Combined Major in Computer Science and Mathematics.

16.17.2.3 BSc with Combined Major in Computer Science and Mathematics

Refer to §16.6 and §16.9.1 for additional important information.

<table>
<thead>
<tr>
<th>Credit hours</th>
<th>BSc with major in Mathematics and Computer Science, required courses</th>
<th>Student's record of courses completed</th>
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</thead>
<tbody>
<tr>
<td>3.0</td>
<td>CS 110</td>
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<td>3.0</td>
<td>CS 115</td>
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<td>3.0</td>
<td>CS or MATH 261</td>
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<td>CS or MATH 361</td>
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<td>Credit hours</td>
<td>Honours BSc Mathematics and Computer Science major, required courses</td>
<td>Student's record of courses completed</td>
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<td>3.0</td>
<td>CS or MATH 261</td>
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<td>MATH 217</td>
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<td>3.0</td>
<td>MATH 221</td>
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</tbody>
</table>

16.17.2.4 BSc Honours with Combined Major in Computer Science and Mathematics

Refer to §16.6 and §16.9.2 for additional important information.
3.0 | MATH 222  
3.0 | MATH 223  
3.0 | MATH 305  
3.0 | MATH 312  
3.0 | MATH 313  
3.0 | MATH 327  
3.0 | STAT 160  
3.0 | Two courses from: MATH 322, 323, 329, 427, 429, CS 410, 411  
3.0 | MATH 301, 381, CS 350, or 461  
3.0 | MATH 301, 381, CS 350, or 461  
3.0 | MATH 400-level or CS 400-level  
3.0 | MATH 400-level or CS 400-level  
90.0 | Subtotal: Major Requirements  

65% Major GPA required

**Rationale:** The motion is to simply delete Math 429 from these programs, as this course has been archived.
Items for Approval

The Faculty of Science Admissions & Studies Committee has approved the following program change and offers it for approval.

3.0 Faculty of Science

Effective date of Motions 3.1 & 3.2: 201730

3.1 Motion to add RDWT 120 to the list of courses not accepted for credit toward any degree or certificate in the Faculty of Science to Section 16.3 of the Undergraduate Calendar.

16.3 RESIDENCY AND TRANSFER CREDIT

A maximum of 60 hours of eligible transfer credit may be applied to a degree program and 30 hours of eligible transfer credit to a certificate program. Students must take at least 15 of the last 30 credit hours of their degree program at the University of Regina. As well, at least half the credit hours of required discipline courses for the major and/or minor must be completed at the University of Regina. No transfer credit is accepted towards the University of Regina portion of joint Saskatchewan Polytechnic-University of Regina degree programs.

The Faculty of Science awards transfer credit for courses taken at other institutions only if the grade received was 60% or higher or equivalent.

The Faculty of Science does not accept ACAD 100, UNIV 100, UNIV 101 and/or UNIV 110, AMTH 001, 091, 002, 092 and/or 003, Science 101 and 105, RDWT 100 or courses numbered 0xx for credit toward any degree or certificate in the Faculty.

Rationale: RDWT 100 is a preparatory course for ENGL 100.

3.2 Motion to remove “Not permitted to begin their program in the Spring/Summer semester without permission of the Associate Dean (Academic)” from Section 16.2.3 of the Undergraduate Calendar and Course Catalog.

16.2.3 SCIENCE QUALIFYING PROCESS

Students possessing a high school admissions average between 65% and 70% or a post-secondary UGPA (minimum 24 credit hours) between 60% and 65%, and/or are missing a course requirement (ie. Math A30, B30 or C30, Pre-Calculus 30, science course) will be admitted to the Science Qualifying Process.

Science Qualifying students are:

- Not permitted to begin their program in the Spring/Summer semester without permission of the Associate Dean (Academic).
- Limited to 12.0 credit hours per term.
- Must complete the missing pre-requisite or approved replacement course.
- Must attend an academic advising session prior to first year registration.
- Must see an advisor prior to registration every semester until Science Qualifying conditions are met.

Once a student has reached 18.0 credit hours, completed the necessary course requirements and obtained a UGPA of 65% or higher, they will be automatically moved from Science Qualifying to Science. Students who meet the course requirements and obtain a Post-Secondary UGPA of 65% prior to completing 18.0 credit hours may request, at the Science Student Services Office, to be admitted to the Bachelor of Science program.
**Rationale:** Students that are accepted for the Spring/Summer term often want to start their courses within that term. Currently, in order to do so, they must seek permission from the Associate Dean (Academic). As this request is usually granted, removing this condition will allow for a smoother registration process, and alleviate the current individual approval required to allow students to start in the Spring/Summer semester. As the courses offered in the Spring/Summer semester are more intensive, the additional challenge these students may face within starting in that semester will be communicated through the Academic Advising Session they are required to attend prior to registering for courses.

**Items for Information**

The Faculty of Science Admissions & Studies Committee has approved the following Course Changes, and offers them for information only.

#### 2.0 Department of Computer Science

**Effective Date: 201810**

**CS 261  3:3-12**

Methods of Numerical Analysis
Number systems and errors, solutions of polynomial and other nonlinear equations, interpolation, numerical differentiation and integration, the cubic spline.

***Prerequisite: MATH 111, MATH 122, and CS 110***

*Note: Students will receive credit for only one of CS 261, CS 345 or MATH 261.*

#### 4.0 Department of Biology, in conjunction with First Nations University

**Effective Date: 201730**

**ENVS 200**

Indigenous Environmental Law
This course provides students with a comprehensive overview of environmental law, regulation and policy at the provincial and federal levels. Students will also be introduced to land use and environmental protection, natural resource development, rights associated with hunting, fishing and gathering, and approaches to Indigenous lands and resources.

***Prerequisite: ENVS 100 or 30 credit hours***

#### 5.0 Department of Chemistry

**Effective Date: 201720**

**CHEM 100  3:3-0**

Introductory Chemistry
An introduction to the basic principles of chemistry. This course serves as an equivalent to high school chemistry and is intended primarily for students who require it as a prerequisite for CHEM 104.

*Note: Persons who have completed Chemistry 30 or equivalent within the last four years, with a grade of 70% or higher, may not take this course for credit.*
6.0  Department of Geology

Effective Date: 201810

GEOL 270  3:3-3
Resources of the Earth  Earth Resources and the Environment
An intermediate course focused on origin, global distribution, use and environmental impact of
earth resources, metallic minerals, energy resources, industrial minerals, and the social, economic
and political implications of mineral resources.
*** Prerequisite: GEOL 102 ***

7.0  Department of Mathematics & Statistics

Effective Date: 201810

MATH 111  3:3-1
Calculus II
Differentiation and integration of exponential and logarithmic functions; methods of integration and
applications; indeterminate forms, L'Hopital's rule and improper integrals; first order differential
equations: separable equations, linear equations, exact equations, modeling, and applications; sequences,
series, power series and Taylor Sseries.
***Prerequisite: MATH 110, or MATH 103 with a grade of at least 80% and Precalculus 30***

Effective Date: 201810

MATH 261  3:3-12
Methods of Numerical Analysis
Number systems and errors, solutions of polynomial and other nonlinear equations, interpolation, numerical
differentiation and integration, the cubic spline.
*** Prerequisite: MATH 111, MATH 122, and CS 110***
* Note: Students will receive credit for only one of CS 261, CS 345 or MATH 261.

8.0  Department of Physics

Effective Date: 201810

PHYS 319  3:3-0
Health Physics
An introductory course on radiation, its sources, and its biological effects. A course on radiation, its effects
and protection of biological systems. Interaction of radiation with matter. Radiation detection and
measurement. Introduction to dosimetry and dose calculations. Health instrumentation and risk
management.
***Prerequisite: PHYS 242, or 119, 219***