

The following Motions and Documents were considered by the GFC Academic Standards Committee at its Thursday, December 17, 2015 meeting:

Agenda Title: Faculty of Nursing: Proposed changes to existing Admission Requirements Transition Year Program for Aboriginal Applicants

CARRIED MOTION: THAT the GFC Academic Standards Committee, with delegated authority from General Faculties Council, approve changes to existing Admission Requirements for the Transition Year Program for Aboriginal Applicants, as submitted by the Faculty of Nursing, and as set forth in Attachment A, to take effect fall 2016.

Final Item: 4A

Agenda Title: Faculty of Science / Faculty of Education: Proposed Changes to Existing Admission and Academic Standing Requirements, BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degree Program

CARRIED MOTION: THAT the GFC Academic Standards Committee, with delegated authority from General Faculties Council, approve changes to existing Admission and Academic Standing Requirements for the BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degrees Program

Final Item: 4B

Agenda Title: Office of the Registrar: Proposed Changes to existing Admission deadlines, Open Studies

CARRIED MOTION: THAT the GFC Academic Standards Committee approve, with delegated authority from General Faculties Council, changes to existing admission deadlines for Open Studies, as submitted by the Office of the Registrar, and as set forth in Attachment C, to take effect fall 2016.

Final Item: 4C

Agenda Title: Faculty of Graduate Studies & Research: Proposed Changes to existing Admission Requirements (GRE), Medical Microbiology and Immunology

CARRIED MOTION: THAT the GFC Academic Standards Committee, with delegated authority from General Faculties Council, approve changes to existing Admission Requirements for Medical Microbiology and Immunology, as submitted by the Faculty of Graduate Studies & Research, and as set forth in Attachment D, to take effect fall 2016.

Final Item: 4D

Agenda Title: Office of the Registrar: Proposed Approval and Denials of Transfer Credit for December 2015

CARRIED MOTION: THAT the GFC Academic Standards Committee, under delegated authority from General Faculties Council, approve the proposal for approval and denial of transfer credit, as submitted by the Office of the Registrar, and as set forth in Attachment E, to be effective upon approval.

Final Item: 4E

Agenda Title: **Proposed Changes to Admission and Academic Standing Requirements, BSc Nursing Honors Program, Faculty of Nursing**

CARRIED MOTION: THAT the GFC Academic Standards Committee, with delegated authority from General Faculties Council, approve changes to Admission and Academic Standing Requirements for the BSc Nursing Honors Program, as submitted by the Faculty of Nursing, and as set forth in Attachment 1, to take effect fall 2016.

Final Amended Item: 5

Agenda Title: **Proposed changes to existing Admission Requirements for High School Applicants, Office of the Registrar**

CARRIED MOTION: THAT the GFC Academic Standards Committee, with delegated authority from General Faculties Council, recommend that the GFC Academic Planning Committee approve, with delegated authority from General Faculties Council, changes to existing admission requirements for high school applicants, as proposed by the Office of the Registrar, and as set forth in Attachment 6, to take effect fall 2015.

Final Amended Item: 6

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OUTLINE OF ISSUE

4A. Faculty of Nursing: Proposed changes to existing Admission Requirements Transition Year Program for Aboriginal Applicants

4B. Faculty of Science / Faculty of Education: Proposed Changes to Existing Admission and Academic Standing Requirements, BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degree Program

4C. Office of the Registrar: Proposed Changes to existing Admission deadlines, Open Studies

4D. Faculty of Graduate Studies & Research: Proposed Changes to existing Admission Requirements (GRE), Medical Microbiology and Immunology

4E. Office of the Registrar: Proposed Approval and Denial of Transfer Credit for December 2015

Action Requested	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Recommendation <input type="checkbox"/> Discussion/Advice <input type="checkbox"/> Information
Proposed by	Carolyn Ross, Associate Dean, Faculty of Nursing; Brenda Leskiw, Associate Dean, Faculty of Science; Clive Hickson, Associate Dean, Faculty of Education; Lisa Collins, Vice-Provost and Registrar; Deborah Burshytn, Associate Dean (Undergraduate), Faculty of Graduate Studies and Research
Presenter	Nat Kav, Vice-Provost (Academic Programs and Instruction) and Chair, GFC Academic Standards Committee
Subject	N/A

Details

Responsibility	Provost and Vice-President (Academic)
The Purpose of the Proposal is (please be specific)	See individual items for detail on proposed changes submitted by Faculties and the Office of the Registrar.
The Impact of the Proposal is	See 'Purpose'.
Replaces/Revises (eg, policies, resolutions)	Various sections of the <i>University Calendar</i> ; see individual items for specific affected <i>Calendar</i> sections. Updates the <i>Alberta Transfer Guide</i> .
Timeline/Implementation Date	Item 4A: To take effect in 2016-2017. Item 4B: To take effect in 2016-2017. Item 4C: To take effect in 2016-2017. Item 4D: To take effect in 2016-2017. Item 4E: To take effect upon approval.
Estimated Cost	N/A
Sources of Funding	N/A
Notes	N/A

Alignment/Compliance

Alignment with Guiding Documents	<i>Dare to Discover</i> Values: to provide an intellectually superior educational environment; integrity, fairness, and principles of ethical conduct built on the foundation of academic freedom, open inquiry, and
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<p>Compliance with Legislation, Policy and/or Procedure Relevant to the Proposal (please <u>quote</u> legislation and include identifying section numbers)</p>	<p>the pursuit of truth.</p> <p>1. Post-Secondary Learning Act (PSLA): The <i>PSLA</i> gives GFC responsibility, subject to the authority of the Board of Governors, over academic affairs. Further, the <i>PSLA</i> gives the Board of Governors authority over certain admission requirements and rules respecting enrolment. The Board has delegated its authority over admissions requirements and rules respecting enrolment to GFC and the GFC ASC (Academic Standards Committee). (Sections 26(1), 60(1)(c) and (d)).</p> <p>2. PSLA: The <i>PSLA</i> gives Faculty Councils power to “provide for the admission of students to the faculty” (29(1)(c)).</p> <p>3. UAPPOL Admissions Policy: “Admission to the University of Alberta is based on documented academic criteria established by individual Faculties and approved by GFC. This criteria may be defined in areas such as subject requirements, minimum entrance averages, and language proficiency requirements. In addition to academic requirements for admission, GFC authorizes each Faculty to establish such other reasonable criteria for admission of applicants as the Faculty may consider appropriate to its programs of study, subject to the approval of GFC (e.g. interview, audition, portfolio, etc.)</p> <p>The admission requirements for any Faculty will be those approved by GFC as set forth in the current edition of the <i>University Calendar</i>. In addition to the admission requirements, selection criteria for quota programs, where they exist, will also be published in the current edition of the <i>University Calendar</i>.</p> <p>The responsibility for admission decisions will be vested in the Faculty Admission Committees or in the Deans of the respective Faculties, as the councils of such Faculties will determine.”</p> <p>4. UAPPOL Admissions Procedure:</p> <p><u>PROCEDURE</u></p> <p>1. EFFECTIVE DATE OF CHANGES TO ADMISSION REGULATIONS Following approval by GFC:</p> <p>a. Where changes to admission regulations may disadvantage students in the current admission cycle, normally implementation will be effective after the change has been published in the <i>University Calendar</i> for one full year (i.e., effective the second year that the information is published in the <i>University Calendar</i>).</p> <p>For example, a change approved in May 2005 would be first published in the 2006-2007 <i>University Calendar</i> in March 2006. Therefore the statement cannot come into effect until September 2007 (affecting applicants who apply for the September 2007 term beginning July 2006).”</p> <p>b. Where changes to admission regulations are deemed by the approving body to be ‘advantageous to students’, normally the date of</p>
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implementation will be effective immediately or at the next available intake for the admitting Faculty.”

5. **PSLA:** The *PSLA* gives Faculty Councils the authority to “determine the conditions under which a student must withdraw from or may continue the student’s program of studies in a faculty” (Section 29(1)(d)).

6. **UAPPOL Academic Standing Policy:** “All current academic standing regulations, including academic standing categories, University graduating standards and requirements for all individual programs will be those prescribed by Faculty Councils and GFC as set forth in the University Calendar.”

7. **UAPPOL Academic Standing Regulations Procedures:** “All proposed new academic standing regulations and changes to existing academic standing regulations will be submitted by the Faculties or the Administration to the Provost and Vice-President (Academic). Faculties will also submit to the Provost and Vice-President (Academic) any proposed changes to the use and/or computation of averages relating to academic standing, including promotion and graduation.

If the Provost and Vice-President (Academic) determines the proposal to be in good order, the proposal will be introduced to the appropriate University governance process(es). In considering these proposals, governance bodies will consult as necessary with the Faculties and with other individuals and offices.

Normally, changes become effective once they are approved by GFC or its delegate and are published in the University Calendar.”

8. **GFC Academic Standards Committee (ASC) Terms of Reference (Mandate):** The Office of the Provost and Vice-President (Academic) has determined that the proposed changes are **editorial** in nature. ASC’s terms of reference provide that “the term ‘**routine and/or editorial**’ refers to proposals which do not involve or affect other Faculties or units; do not form part of a proposal for a new program; and do not involve alteration of an existing quota or establishment of a new quota. Editorial or routine changes include any and all changes to the wording of an admissions or academic standing policy” (3.A.i).

Section 3 of GFC ASC’s Terms of Reference state:

“B. Admission and Transfer, Academic Standing, Marking and Grading, Term Work, Examinations, International Baccalaureate (IB), Advanced Placement (AP)

i. All proposals from the Faculties or the Administration related to admission and transfer, to the academic standing of students, to institutional marking and grading policies and/or procedures and to term work policies and procedures are submitted to the Provost and Vice-President (Academic) (or delegate) who chairs the GFC Academic Standards Committee. ASC will consult as necessary with

the Faculties and with other individuals and offices in its consideration of these proposals. (GFC 29 SEP 2003) (GFC 31 MAY 2005) (EXEC 04 DEC 2006)

ii. ASC acts for GFC in approving routine and/or editorial changes to both admission/transfer policies and academic standing regulations, and acts for GFC in approving all proposals for a) change to examination regulations, b) change to existing International Baccalaureate (IB) and Advanced Placement (AP) policies and procedures and c) change to the University Calendar Section on Missed Term Work (under the Section entitled Evaluation Procedures and Grading System. (EXEC 18 NOV 1996) (EXEC 04 DEC 2006)

[...]

E. Physical Testing and Immunization of Students

ASC approves on GFC's and the Board's behalf, all individual Faculty policies concerning physical testing and immunization of students, and files a report with the GFC Executive Committee for information. (GFC 27 SEP 1999) (GFC 29 SEP 2003)

[...]"

9. GFC ASC Terms of Reference (Mandate/Alberta Transfer Guide): GFC ASC's delegated authority from GFC extends to the following:

"i. ASC approves, for inclusion in the Alberta Transfer Guide, courses for transfer credit to the University of Alberta which are offered by non-University institutions in Alberta. Approval will be based upon an assessment of course content and level of instructor qualifications.

ii. ASC denies courses for transfer credit to the University of Alberta which are offered by non-University institutions in Alberta.

iii. ASC monitors the entries in the Alberta Transfer Guide relevant to the University of Alberta.

iv. ASC rescinds, if necessary, the entries in the Alberta Transfer Guide relevant to the University of Alberta." (3.D.i-iv.)

10. UAPPOL Transfer Credit Articulation Procedure (Overview and Procedure): "The University of Alberta will accept for transfer credit the courses recommended by Faculties and approved by ASC for inclusion in the Alberta Transfer guide, to the extent that the courses fit the degree program that the student wishes to enter. Credit for such courses will be considered in a credit-no credit basis only and will not be included in the University grade point average calculation on the University transcript. Faculties may have other requirements...Transfer credit is assessed on an individual course-by-course basis for by a block transfer agreement."

Routing (Include meeting dates)

Consultative Route (parties who have seen the proposal and in what capacity)	Vice-Provost (Academic Programs and Instruction) and Chair, GFC Academic Standards Committee; Faculty Councils; Faculty of Graduate Studies and Research; Representatives of the Office of the Registrar and the Office of the Provost and Vice-President (Academic)
Approval Route (Governance) (including meeting dates)	GFC Academic Standards Committee (December 17, 2015) – for final approval
Final Approver	GFC Academic Standards Committee

Attachments:

1. Attachment A (page 1): Faculty of Nursing
2. Attachment B (pages 1 - 10): Faculty of Science / Faculty of Education
3. Attachment C (pages 1 – 2): Office of the Registrar (Open Studies)
4. Attachment D (page 1): Faculty of Graduate Studies and Research
5. Attachment E (pages 1 – 3): Office of the Registrar (Transfer Credit)

Prepared by Meg Brolley, Coordinator, GFC Academic Standards Committee, c/o University Governance, meg.brolley@ualberta.ca

**Faculty of Nursing
Calendar Change Request Form
For Implementation in 2016-17**

CURRENT	PROPOSED
<p style="text-align: center;">14.3.3 Transition Year Program for Aboriginal Applicants</p> <p>...</p> <p>(2) Completion of a Transition Year Program</p> <p>a. General Requirements: Students must normally complete the required courses in Fall/Winter and Spring terms. These courses will be taken through Open Studies. Note: A limited number of places are available in the required courses.</p> <p>b. Faculty Requirements: The specific course and performance requirements to be considered for admission to each degree program follow:</p> <p>...</p> <p>7) Nursing: BScN <i>Course requirement:</i> ★18, as follows:</p> <p>i. ENGL 122 (★3) and 125 (★3)</p> <p>ii. NURS 140 (★3)</p> <p>iii. POL S 101 or SOC 100 (★3)</p> <p>iv. PSYCO 106 (★3)</p> <p>v. STAT 151 (★3)</p> <p><i>Performance requirement:</i> Minimum GPA of 2.5. Note: Students are advised to take STAT 151 in the second term.</p>	<p style="text-align: center;">14.3.3 Transition Year Program for Aboriginal Applicants</p> <p>...</p> <p>(2) Completion of a Transition Year Program</p> <p>a. General Requirements: Students must normally complete the required courses in Fall/Winter and Spring terms. These courses will be taken through Open Studies. Note: A limited number of places are available in the required courses.</p> <p>b. Faculty Requirements: The specific course and performance requirements to be considered for admission to each degree program follow:</p> <p>...</p> <p>7) Nursing: BScN <i>Course requirement:</i> ★18, as follows:</p> <p>i. (★6) Junior English, or (★3) Junior English and (★3) Writing Studies (WRS). ENGL 125 recommended</p> <p>ii. NURS 140 (★3)</p> <p>iii. Electives (★6)</p> <p>iv. STAT 151 (★3)</p> <p><i>Performance requirement:</i> Minimum GPA of 2.5. Note: Students are advised to take STAT 151 and an Elective (★3) in the second term.</p>

Faculty of Science Changes 2015-2016

Current

Proposed

<p>16.15.6 BSc/BEd—Bachelor of Science (Specialization in Science and Education) and Bachelor of Education (Secondary) Combined Degrees</p> <p>(..)</p> <p>III. Spoken English Requirement: Applicants must also meet a Spoken English requirement (see §13.3.2).</p> <p>IV. All qualified Year 2 BSc (Specialization in Science and Education)/BEd (Secondary) students will be promoted to Year 3 in the Faculty of Education provided that</p> <ol style="list-style-type: none"> (1) A minimum Fall/Winter GPA of 2.3 is presented, (2) A 2.7 GPA in the declared Major is achieved and (3) A minimum of ★51 applicable to the BSc (Specialization in Science and Education)/BEd (Secondary) program has been successfully completed (see §193.4). <p>V. Transfer Applicants</p> <p>(1) Transfer into the BSc (Specialization in Science and Education)/BEd (Secondary) program: A student in an undergraduate program may transfer into the combined degrees program after the first year if all course and academic standing requirements of the first year of the BSc (Specialization in Science and Education)/BEd (Secondary) program and all admission requirements have been met at the time of transfer. Transfer will normally not be possible after the completion of two years. Such applicants should apply for admission to either the BEd or BSc program and on completion enter an After Degree program in Science or Education.</p> <p>A student transferring into the combined degrees program with transfer credit normally will be required to complete at least *90 (normally the last *90) while registered in the combined program.</p> <p>Note: A minimum AGPA of 2.3 will be required for all transfer applicants.</p>	<p>16.15.6 BSc/BEd—Bachelor of Science (Specialization in Science and Education) and Bachelor of Education (Secondary) Combined Degrees</p> <p>(..)</p> <p>III. Spoken English Requirement: Applicants must also meet a Spoken English requirement (see §13.3.2).</p> <p>IV. All qualified Year 2 BSc (Specialization in Science and Education)/BEd (Secondary) students will be promoted to Year 3 in the Faculty of Education provided that</p> <ol style="list-style-type: none"> (1) A minimum Fall/Winter GPA of 2.3 is presented, (2) A 2.3 GPA in the declared Major is achieved and (3) A minimum of ★51 applicable to the BSc (Specialization in Science and Education)/BEd (Secondary) program has been successfully completed (see §193.4). <p>V. Transfer Applicants</p> <p>(1) Transfer into the BSc (Specialization in Science and Education)/BEd (Secondary) program: A student in an undergraduate program may transfer into the combined degrees program after the first year if all course and academic standing requirements of the BSc (Specialization in Science and Education)/BEd (Secondary) program and all admission requirements have been met at the time of transfer. Transfer will normally not be possible after the completion of two years (★60). Such applicants should apply for admission to either the BEd or BSc program and on completion enter an After Degree program in Science or Education.</p> <p>A student transferring into the combined degrees program with transfer credit normally will be required to complete at least *90 (normally the last *90) while registered in the combined program.</p>
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Faculty of Science Changes 2015-2016

Current

Proposed

Current	Proposed
<p>193.4 BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degrees Program</p> <p>(...)</p> <p>Academic Standing and Graduation</p> <p>The following regulations govern the combined degrees program:</p> <p>(1) Continuation in the combined degrees program requires a GPA of at least 2.3 on *24 in each Fall/Winter of the five-year program.</p> <p>(2) Graduation from the combined degrees program requires a GPA of 2.7 in the declared major.</p> <p>(3) Students who fail to achieve a GPA of 2.7 in their major at the end of Year 2 in the program will not be promoted to the Faculty of Education.</p> <p>(4) A student who fails to attain the standard necessary for continuation or graduation may appeal to be granted one further Fall/Winter to achieve the required standing and requires the written approval of the Dean of Science and the Dean of Education.</p> <p>(5) A student who cannot attain the standard necessary for continuation or graduation in the combined degrees program will be required to withdraw from the program. In so doing, the student may apply to transfer to a BSc program in the Faculty of Science or the BEd program in the Faculty of Education, provided they meet the necessary admission GPA.</p> <p>(6) Normally, a student transferring from the combined degrees program to a BEd program after Year 2 or 3 should be able to complete the degree in one or two years. However, transfer to a BSc program must be made after Year 2 at the latest to avoid loss of credit.</p> <p>(7) The BSc (Specialization in Science and Education) degree With Distinction is awarded when students achieve a GPA of at least 3.5 on the last *60 if the student was enrolled in at least (*24) during each Fall/Winter of the last two years.</p>	<p>193.4 BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degrees Program</p> <p>(...)</p> <p>Academic Standing and Graduation</p> <p>The following regulations govern the combined degrees program:</p> <p>(1) Continuation in the combined degrees program requires a GPA of at least 2.3 on *24 in each Fall/Winter of the five-year program.</p> <p>(2) Graduation from the combined degrees program requires a minimum GPA of 2.3 in the declared major.</p> <p>(3) Students who fail to achieve a minimum GPA of 2.3 in their major at the end of Year 2 in the program will not be promoted to the Faculty of Education.</p> <p>(4) A student who fails to attain the standard necessary for continuation or graduation may appeal to be granted one further Fall/Winter to achieve the required standing and requires the written approval of the Dean of Science and the Dean of Education.</p> <p>(5) A student who cannot attain the standard necessary for continuation or graduation in the combined degrees program will be required to withdraw from the program. In so doing, the student may apply to transfer to a BSc program in the Faculty of Science or the BEd program in the Faculty of Education, provided they meet the necessary admission GPA.</p> <p>(6) Normally, a student transferring from the combined degrees program to a BEd program after Year 2 or 3 should be able to complete the degree in one or two years. However, transfer to a BSc program must be made after Year 2 at the latest to avoid loss of credit.</p> <p>(7) The BSc (Specialization in Science and Education) degree With Distinction is awarded when students achieve a GPA of at least 3.5 on the last *60 if the student was enrolled in at least (*24) during each Fall/Winter of the last two years.</p>

Science Chart 1 CURRENT

Science Chart 1 BSc (Specialization in Science and Education)/BEd

Note: Year 1 and Year 2 are completed in the Faculty of Science. Years 3, 4 and 5 are completed in the Faculty of Education.

Biological Sciences Major/Mathematical Sciences Minor (CE150)					
Core Program Requirements	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
<p>Education: CE48</p> <p>Major: CE45</p> <p>Minor: CE27</p> <p>100-level: CE30 (Maximum CE42)</p> <p>Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses</p> <p>Area "B"</p> <p>ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 396, 397, 398, 496, PHIL 217, 265, 317, 375, STS 200, SOC 462, W-ST 350</p> <p>Note: It is the student's responsibility to ensure that all prerequisites for higher level courses are met.</p>	<p>BIOL 107, 108 CHEM 101, 261 (see Note) CE6 junior ENGL or WRS MATH 113 or 114 CE3 chosen from MATH 115, 125 or STAT 141 or 151 CE6 Arts options Note: Or CHEM 164 if you present a grade of 90% or higher in Chemistry 30.</p>	<p>BIOL 207, 208 BIOCH 200 EDU 250 or CE3 Education option EDPY 200 CE3 chosen from MATH 115 or 125 or STAT 141 or 151 CE6 in Biological Sciences at the 200-level CE6 in Mathematical Sciences at the 200-level</p>	<p>CE3 chosen from MATH 115 or 126 or STAT 141 or 151 CE6 in Biological Sciences at the 200-level CE6 Area "B" CE6 Arts options CE3 Mathematical Sciences at the 300- or 400-level CE3 Education option CE3 CMPUT 101 or 174</p>	<p>EDFX 350 (5 weeks) EDPS 340 EDSE 352 (Major) EDSE 307 EDPY 303 CE6 in Biological Sciences at the 200-, 300- or 400-level CE3-EDSE 338 (Minor) CE3 EDPY 301 CE3 EDPS 410 Note: Courses 1 through 5 above constitute these Introductory Professional Term and must be taken concurrently.</p>	<p>EDFX 450 (9 weeks) EDSE 451 EDSE 452 (Major) CE12 in Biological Sciences at the 300- or 400-level CE3 in Mathematical Sciences at the 300- or 400-level Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently</p>
Biological Sciences Major/Physical Sciences Minor (CE150)					
Core Program Requirements	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
<p>Education: CE48</p> <p>Major: CE42</p> <p>Minor: CE27</p> <p>100-level: CE33 (Maximum CE42)</p> <p>Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses</p> <p>Area "A"</p> <p>CHEM 211, 263, PHYS 208, 271</p> <p>Area "B"</p> <p>ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 396, 397, 398, 496, PHIL 217, 265, 317, 375 STS 200, SOC 462, W-ST 350</p> <p>Area "C"</p> <p>ASTRO 320, 322, PHYS 301, 308, 310, 311, 362, 364 or</p>	<p>BIOL 107, 108 CHEM 101, 261 (see Note) CE6 junior ENGL or WRS MATH 113 or 114 MATH 115 PHYS 124 or 144 PHYS 126 or 146 Note: Or CHEM 164 if you present a grade of 90% or higher in Chemistry 30.</p>	<p>BIOL 207, 208 CHEM 102 BIOCH 200 EDU 250 or CE3 Education option EDPY 200 CE3 Area "A" CE3 in Biological Sciences at the 200-level CE6 Arts options</p>	<p>CMPUT 101 or 174 CE6 in Biological Sciences at the 200-level PHYS 261 CE6 Area "B" CE3 in Education options CE6 in Arts options CE3 Area "C"</p>	<p>EDFX 350 (5 weeks) EDPS 340 EDSE 352 (Major) EDSE 307 EDPY 303 CE6 in Biological Sciences at the 200-, 300- or 400-level EDSE 305 (Minor) EDPS 410 EDPY 301 Note: Courses 1 through 5 above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>EDFX 450 (9 weeks) EDSE 451 EDSE 452 (Major) CE12 in Biological Sciences at the 300- or 400-level CE3 Area "C" Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.</p>

any 300-level CHEM. Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.					
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Mathematical Sciences Major/Biological Sciences Minor (CE150)

Core Program Requirements	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
Education: CE48 Major: CE45 Minor: CE27 100-level: CE33 (Maximum CE42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses Area "B" ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 396 , 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, SOC 462 , STS 200, WST 350 Note: It is the student's responsibility to ensure that all prerequisites for higher level courses are met.	BIOL 107, 108 CE6 junior ENGL or WRS MATH 113 or 114 MATH 115 MATH 125 STAT 141 or 151 CE6 in Physical Sciences at the 100-level	BIOL 207, 208 EDU 250 or CE3 Education option EDPY 200 MATH 214 MATH 215 MATH 228 MATH 241 CE6 Arts options	CE3-CMPUT 101 or 174 CE3 in Biological Sciences at the 200-level CE6 in Mathematical Sciences at the 200- or 300- or 400-level CE6 in Biological Sciences at the 200- or 300- or 400-level CE6 Arts options CE6 Area "B"	EDFX 350 (5 weeks) EDPS 310 EDSE 337 (Major) EDSE 307 EDPY 303 CE6 in Biological Sciences at the 300- or 400-level CE3 in Mathematical Sciences at the 300- or 400-level EDSE 353 (Minor) EDPS 410 Note: Courses 1 through 5 above constitute the Introductory Professional Term and must be taken concurrently.	EDFX 450 (9 weeks) EDSE 451 EDSE 437 (Major) CE9 in Mathematical Sciences at the 300- or 400-level CE3 Education options EDPY 301 Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently

Mathematical Sciences Major/Physical Sciences Minor (CE150)

Core Program Requirements	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
Education: CE48 Major: CE45 Minor: CE30 100-level: CE39 (Maximum CE42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses Area "A" BIOCH 200, CHEM 211, 263 Area "B" ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 396 , 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, SOC 462 , WST 350 Area "C" ASTRO 320, 322, PHYS 301, 308, 310, 311, 362, 364 or any 300-level CHEM Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.	BIOL 107, 108 CE6 junior ENGL or WRS MATH 113 or 114 MATH 115 MATH 125 STAT 141 or 151 CE6 in Physics or Chemistry chosen from CHEM 101, 102, PHYS 124 or 144, 126 or 146	EDU 250 or CE3 Education option EDPY 200 MATH 214 MATH 215 MATH 228 MATH 241 CE6 in Physics or Chemistry chosen from CHEM 101, 102, PHYS 124 or 144, 126 or 146 CHEM 261 CE3 Arts option	CMPUT 101 or 174 CE3 Area "A" PHYS 208 or 271 CE3 in Mathematical Sciences at the 200-level CE3 in Mathematical Sciences at the 200, 300 or 400-level CE6 in Arts Options CE3 in Education Option CE6 Area "B"	EDFX 350 (5 weeks) EDPS 310 EDSE 337 (Major) EDSE 307 EDPY 303 CE3 in Mathematical Sciences at the 300- or 400-level EDSE 366 (Minor) CE6 Area "C" EDPS 410 Note: Courses 1 through 5 above constitute the Introductory Professional Term and must be taken concurrently.	EDFX 450 (9 weeks) EDSE 451 EDSE 437 (Major) CE9 in Mathematical Sciences at the 300- or 400-level EDPY 301 CE3 Area "A" Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

Physical Sciences Major/Biological Sciences Minor					
Chemistry Concentration (CE150)					
Core Program Requirements	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
Education: CE48 Major: CE42 Minor: CE24 100-level: CE33 (Maximum CE42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses Area "B" ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 396 , 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, SOC-462 , STS 200, W-ST-350 Area "C" ASTRO 320, 322, PHYS 301, 308, 310, 311, 362, 364 or any 300-level CHEM. Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.	BIOL 107, 108 CHEM 101, 102 CE6 junior ENGL or WRS MATH 113 or 114 MATH 115 PHYS 124 or 144 PHYS 126 or 146	BIOL 207, 208 CHEM 261 CMPUT-101 or 174 EDU-250 or CE3 Education Option EDPY-200 PHYS 208 or 271 CE3 chosen from CHEM 211 or PHYS 294 CE6 Arts options	CHEM 263 CE3 chosen from CHEM 211 or PHYS 294 CE6 in Biological Sciences at the 200-level CE3 Arts option CE6 Area "B" CE3 Area "C" PHYS 281 CE3 Science option	EDFX 350 (5 weeks) EDPS-310 EDSE 307 EDSE 364 (Major) EDPY 303 EDPS 410 EDSE 305 (Minor) CE6 in Biological Sciences at the 300- or 400-level CE3 Arts option Note: Courses 1 through 5 above constitute the Introductory Professional Term and must be taken concurrently.	EDFX 450 (9 weeks) EDSE 451 EDSE 460 (Major) CE3 Education options CE9 Area "C" EDPY 301 Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.
Physical Sciences Major/Biological Sciences Minor					
Physics Concentration (CE150)					
Core Program Requirements	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
Education: CE48 Major: CE42 Minor: CE24 100-level: CE33 (Maximum CE42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses Area "B" ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 396 , 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, SOC-462 , STS 200, W-ST-350 Area "C" ASTRO 320, 322, PHYS 301, PHYS 308, 310, 311, PHYS 362, 364 or any 300-level CHEM. Note: It is the student's responsibility to ensure all prerequisites for 300-level	BIOL 107, 108 CHEM 101, 102 CE6 junior ENGL or WRS MATH 113 or 114 MATH 115 PHYS 124 or 144 PHYS 126 or 146	BIOL 207, 208 CHEM 261 CMPUT-101 or 174 EDU-250 or CE3 Education option EDPY-200 PHYS 208 or 271 MATH 214 CE3 chosen from CHEM 211 or PHYS 294 CE3 Arts options	CHEM 263 CE3 chosen from CHEM 211 or PHYS 294 CE6 in Biological Sciences at the 200-level PHYS 281 MATH 215 CE6 Arts options CE3 Area "B" CE3 Area "C"	EDFX 350 (5 weeks) EDPS-310 EDSE 307 EDPY 303 EDSE 364 (Major) EDPS 410 EDSE 305 (Minor) CE6 in Biological Sciences at the 300- or 400-level CE3 Arts option Note: Courses 1 through 6 above constitute the Introductory Professional Term and must be taken concurrently.	EDFX 450 (9 weeks) EDSE 451 EDSE 460 (Major) CE3 Education options CE9 Area "C" EDPY 301 Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

courses are met.					
Physical Sciences Major/Mathematical Sciences Minor (CE150)					
Core Program Requirements Education: CE48 Major: CE42 Minor: CE27 100-level: CE36 (Maximum CE42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses Area "B" ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 396 , 397, 398, 496, PHIL 217, 265, 317, 375, SOC-462 , STS 200, W-ST 350 Area "C" ASTRO 320, 322, PHYS 301, 308, 310, 311, 362, 364 or any 300-level CHEM. Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.	Year 1 (CE30) BIOL 107, 108 CHEM 101, 102 CE6 junior ENGL or WRS MATH 113 or 114 MATH 115 PHYS 124 or 144 PHYS 126 or 146	Year 2 (CE30) CMPUT 101 or 174 CHEM 261 EDU 250 or CE3 Education Option EDPY 200 MATH 125 MATH 214 PHYS 261 or 281 PHYS 208 or 271 CE3 chosen from CHEM 211 or PHYS 294 CE3 Arts option	Year 3 (CE30) CHEM 263 MATH 228 MATH 215 CE3 chosen from CHEM 211 or PHYS 294 CE6 Arts options CE6 Area "B" CE6 Area "C"	Year 4 (CE30) EDFX 350 (5 weeks) EDPS 316 EDSE 307 EDPY 303 EDSE 364 (Major) EDSP 410 EDSE 338 (Minor) CE6 in Mathematical Sciences at the 300- or 400-level CE3 Science options Note: Courses 1 through 5 above constitute the Introductory Professional Term and must be taken concurrently.	Year 5 (CE30) EDFX 450 (9 weeks) EDSE 451 EDSE 460 (Major) CE3 Arts option CE3 Education options CE6 Area "C" EDPY 301 Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

Science Chart 1 PROPOSED

Science Chart 1 BSc (Specialization in Science and Education)/BEd

Note: Year 1 and Year 2 are completed in the Faculty of Science. Years 3, 4 and 5 are completed in the Faculty of Education.

Biological Sciences Major/Mathematical Sciences Minor (CE150)					
Core Program Requirements	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
<p>Education: CE51</p> <p>Major: CE45</p> <p>Minor: CE24</p> <p>100-level: CE30 (Maximum CE42)</p> <p>Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses</p> <p>Area "B"</p> <p>ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, STS 200, WGS 250</p> <p>Note: It is the student's responsibility to ensure that all prerequisites for higher level courses are met.</p>	<p>BIOL 107, 108 CHEM 101, 261 or 164 CE3 junior ENGL or WRS MATH 114 MATH 115 or 125 or STAT 151 CE6 Arts options EDU 100</p>	<p>BIOL 207, 208 BIOCH 200 EDU 211 MATH 115 or 125 or STAT 151 CE6 in Biological Sciences at the 200-level CE6 in Mathematical Sciences at the 200-level CE3 junior ENGL or WRS</p>	<p>MATH 115 or 125 or STAT 151 CE6 in Biological Sciences at the 200-level CE6 Area "B" CE6 Arts options CE3 Mathematical Sciences at the 300- or 400-level EDPY 304 EDU 210</p>	<p>EDFX 350 (5 weeks) EDSE 352 (Major) EDSE 307 EDPY 303 CE6 in Biological Sciences at the 200-, 300- or 400-level EDSE 338 (Minor) EDPY 301 EDPS 410 Note: First four courses above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>EDFX 450 (9 weeks) EDSE 451 EDSE 452 (Major) CE12 in Biological Sciences at the 300- or 400-level CE3 in Mathematical Sciences at the 300- or 400-level Note: First three courses above constitute the Advanced Professional Term and must be taken concurrently</p>
Biological Sciences Major/Physical Sciences Minor (CE150)					
Core Program Requirements	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
<p>Education: CE51</p> <p>Major: CE42</p> <p>Minor: CE27</p> <p>100-level: CE33 (Maximum CE42)</p> <p>Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses</p> <p>Area "A"</p> <p>CHEM 211, 263, PHYS 208, 271</p> <p>Area "B"</p> <p>ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375 STS 200, WGS 250</p> <p>Area "C"</p> <p>ASTRO 320, 322, PHYS 301, 308, 310, 311, 362, 364 or any 300-level CHEM.</p> <p>Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.</p>	<p>BIOL 107, 108 CHEM 101, 261 or 164 CE3 junior ENGL or WRS MATH 114 MATH 115 PHYS 124 or 144 PHYS 126 or 146 EDU 100</p>	<p>BIOL 207, 208 CHEM 102 BIOCH 200 CE3 junior ENGL or WRS EDU 211 CE3 Area "A" CE3 in Biological Sciences at the 200-level CE6 Arts options</p>	<p>CE6 in Biological Sciences at the 200-level CE6 Area "B" EDU 210 PHYS 261 EDPY 304 CE6 in Arts options CE3 Area "C"</p>	<p>EDFX 350 (5 weeks) EDSE 352 (Major) EDSE 307 EDPY 303 CE6 in Biological Sciences at the 200-, 300- or 400-level EDSE 305 (Minor) EDPS 410 EDPY 301 Note: First four courses above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>EDFX 450 (9 weeks) EDSE 451 EDSE 452 (Major) CE12 in Biological Sciences at the 300- or 400-level CE3 Area "C" Note: First three courses above constitute the Advanced Professional Term and must be taken concurrently.</p>

Mathematical Sciences Major/Biological Sciences Minor (CE150)					
Core Program Requirements	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
Education: CE51 Major: CE42 Minor: CE27 100-level: CE33 (Maximum CE42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses Area "B" ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250 Note: It is the student's responsibility to ensure that all prerequisites for higher level courses are met.	BIOL 107, 108 CE3 junior ENGL or WRS MATH 114 MATH 115 MATH 125 STAT 151 CE6 in Physical Sciences at the 100-level EDU 100	BIOL 207, 208 CE3 junior ENGL or WRS EDU 211 MATH 214 MATH 215 MATH 228 MATH 241 CE6 Arts options	EDU 210 CE3 in Biological Sciences at the 200-level CE6 in Mathematical Sciences at the 200- or 300- or 400-level CE6 in Biological Sciences at the 200- or 300- or 400-level CE6 Arts options CE6 Area "B"	EDFX 350 (5 weeks) EDSE 337 (Major) EDSE 307 EDPY 303 CE6 in Biological Sciences at the 300- or 400-level CE3 in Mathematical Sciences at the 300- or 400-level EDSE 353 (Minor) EDPS 410 Note: First four courses above constitute the Introductory Professional Term and must be taken concurrently.	EDFX 450 (9 weeks) EDSE 451 EDSE 437 (Major) CE9 in Mathematical Sciences at the 300- or 400-level EDPY 304 EDPY 301 Note: First three courses above constitute the Advanced Professional Term and must be taken concurrently.
Mathematical Sciences Major/Physical Sciences Minor (CE150)					
Core Program Requirements	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
Education: CE51 Major: CE42 Minor: CE30 100-level: CE39 (Maximum CE42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses Area "A" BIOCH 200, CHEM 211, 263 Area "B" ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250 Area "C" ASTRO 320, 322, PHYS 301, 308, 310, 311, 362, 364 or any 300-level CHEM Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.	BIOL 107, 108 CE3 junior ENGL or WRS MATH 114 MATH 115 MATH 125 STAT 151 CE6 chosen from CHEM 101, 102, PHYS 124 or 144, 126 or 146 EDU 100	CE3 junior ENGL or WRS EDU 211 MATH 214 MATH 215 MATH 228 MATH 241 CE6 chosen from CHEM 101, 102, PHYS 124 or 144, 126 or 146 CHEM 261 CE3 Arts option	CE3 Area "A" EDU 200 PHYS 208 or 271 CE6 in Mathematical Sciences at the 200, 300 or 400-level CE6 in Arts Options EDPY 304 CE6 Area "B" Note: Students wishing to take PHYS 364 as their Area "C" option must take PHYS 261 as an Area "B" option.	EDFX 350 (5 weeks) EDSE 337 (Major) EDSE 307 EDPY 303 CE3 in Mathematical Sciences at the 300- or 400-level EDSE 366 (Minor) CE3 Area "A" CE3 Area "C" EDPS 410 Note: First four courses above constitute the Introductory Professional Term and must be taken concurrently.	EDFX 450 (9 weeks) EDSE 451 EDSE 437 (Major) CE9 in Mathematical Sciences at the 300- or 400-level EDPY 301 CE3 Area " C " Note: First three courses above constitute the Advanced Professional Term and must be taken concurrently.
Physical Sciences Major/Biological Sciences Minor					
Chemistry Concentration (CE150)					
Core Program Requirements	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)

<p>Education: CE51 Major: CE42 Minor: CE24 100-level: CE33 (Maximum CE42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses Area "B" ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250 Area "C" ASTRO 320, 322, PHYS 301, 308, 310, 311, 362, 364 or any 300-level CHEM. Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.</p>	<p>BIOL 107, 108 CHEM 101, 102 CE3 junior ENGL or WRS MATH 114 MATH 115 PHYS 124 or 144 PHYS 126 or 146 EDU 100</p>	<p>BIOL 207, 208 CHEM 261 EDU 210 CE3 junior ENGL or WRS EDU 211 PHYS 208 or 271 CHEM 211 or PHYS 294 CE6 Arts options</p>	<p>CHEM 263 CHEM 211 or PHYS 294 CE6 in Biological Sciences at the 200-level CE3 Arts option CE6 Area "B" CE3 Area "C" PHYS 281 MATH 214 Note: Students wishing to take PHYS 364 as their Area "C" option must take PHYS 261 as an Area "B" option.</p>	<p>EDFX 350 (5 weeks) EDSE 307 EDPY 303 EDSE 364 (Major) EDPS 410 EDSE 305 (Minor) CE6 in Biological Sciences at the 300- or 400-level CE3 Arts option Note: First four courses above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>EDFX 450 (9 weeks) EDSE 451 EDSE 460 (Major) EDPY 304 CE9 Area "C" EDPY 301 Note: First three courses above constitute the Advanced Professional Term and must be taken concurrently.</p>
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Physical Sciences Major/Biological Sciences Minor

Physics Concentration (CE150)

Core Program Requirements Education: CE51 Major: CE42 Minor: CE24 100-level: CE33 (Maximum CE42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses Area "B" ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250 Area "C" ASTRO 320, 322, PHYS 301, PHYS 308, 310, 311, PHYS 362, 364 or any 300-level CHEM. Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
	<p>BIOL 107, 108 CHEM 101, 102 CE3 junior ENGL or WRS MATH 114 MATH 115 PHYS 124 or 144 PHYS 126 or 146 EDU 100</p>	<p>BIOL 207, 208 CHEM 261 EDU 210 CE3 junior ENGL or WRS EDU 211 PHYS 208 or 271 MATH 214 CHEM 211 or PHYS 294 CE3 Arts options</p>	<p>CHEM 263 CHEM 211 or PHYS 294 CE6 in Biological Sciences at the 200-level MATH 215 PHYS 281 CE6 Arts options CE3 Area "B" CE3 Area "C" Note: Students wishing to take PHYS 364 as their Area "C" option must take PHYS 261 as an Area "B" option.</p>	<p>EDFX 350 (5 weeks) EDPY 303 EDSE 307 EDSE 364 (Major) EDPS 410 EDSE 305 (Minor) CE6 in Biological Sciences at the 300- or 400-level CE3 Arts option Note: First four courses above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>EDFX 450 (9 weeks) EDSE 451 EDSE 460 (Major) EDPY 304 CE9 Area "C" EDPY 301 Note: First three courses above constitute the Advanced Professional Term and must be taken concurrently.</p>

Physical Sciences Major/Mathematical Sciences Minor (CE150)

Core Program Requirements Education: CE51	Year 1 (CE30)	Year 2 (CE30)	Year 3 (CE30)	Year 4 (CE30)	Year 5 (CE30)
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<p>Major: CE42 Minor: CE24 100-level: CE36 (Maximum CE42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses Area "B" ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, STS 200, WGS 250 Area "C" ASTRO 320, 322, PHYS 301, 308, 310, 311, 362, 364 or any 300-level CHEM. Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.</p>	<p>BIOL 107, 108 CHEM 101, 102 CE3 junior ENGL or WRS MATH 114 MATH 115 PHYS 124 or 144 PHYS 126 or 146 EDU 100</p>	<p>EDU 210 CHEM 261 CE3 junior ENGL or WRS EDU 211 MATH 125 MATH 214 PHYS 261 or 281 PHYS 208 or 271 CHEM 211 or PHYS 294 CE3 Arts option</p>	<p>CHEM 263 MATH 228 MATH 215 CHEM 211 or PHYS 294 CE6 Arts options CE6 Area "B" CE6 Area "C"</p>	<p>EDFX 350 (5 weeks) EDPY 303 EDSE 307 EDSE 364 (Major) EDPS 410 EDSE 338 (Minor) CE6 in Mathematical Sciences at the 300- or 400-level CE3 Science options Note: First four courses above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>EDFX 450 (9 weeks) EDSE 451 EDSE 460 (Major) CE3 Arts option EDPY 304 CE6 Area "C" EDPY 301 Note: First three courses above constitute the Advanced Professional Term and must be taken concurrently.</p>
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FACULTY OF EDUCATION
COURSE AND PROGRAM CHANGES
PROPOSED CALENDAR CHANGE (2016-2017)

CURRENT (2015-2016) Calendar Section Number (§) 73.7.3	PROPOSED (2016-2017) Calendar Section Number (§) 73.7.3
<p>73.7.3 BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degrees Program</p> <p>To receive the Bachelor of Science (Specialization in Science and Education)/Bachelor of Education (Secondary) Combined Degrees Program, a student must complete all requirements of the combined program and must achieve a graduation GPA of at least 2.3 on all courses with numeric grades credited to the combined program (calculated on the last ★90 credited to the degree). In addition, a GPA of at least 2.7 must be attained in all courses in the major Subject or Area of Concentration.</p> <p>Notes</p> <p>(1) Only successfully completed courses applicable to the students' Bachelor of Science (Specialization in Science and Education)/Bachelor of Education (Secondary) Combined Degrees Program will be used to calculate the graduation GPA.</p> <p>(2) Students will be allowed to take up to ★12 in addition to those required for the degree program to raise their graduation GPA to the required level of 2.3.</p> <p>(3) Students who take part of the final ★60 at another postsecondary institution must seek approval of the Associate Dean (Undergraduate Student Services).</p> <p>(4) To qualify for the notation "With Distinction" on their parchment, students must achieve a graduation GPA of 3.5.</p>	<p>73.7.3 BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degrees Program</p> <p>To receive the Bachelor of Science (Specialization in Science and Education)/Bachelor of Education (Secondary) Combined Degrees Program, a student must complete all requirements of the combined program and must achieve a graduation GPA of at least 2.3 on all courses with numeric grades credited to the combined program (calculated on the last ★90 credited to the degree). In addition, a GPA of at least 2.3 must be attained in all courses in the major Subject or Area of Concentration.</p> <p>Notes</p> <p>(1) Only successfully completed courses applicable to the students' Bachelor of Science (Specialization in Science and Education)/Bachelor of Education (Secondary) Combined Degrees Program will be used to calculate the graduation GPA.</p> <p>(2) Students will be allowed to take up to ★12 in addition to those required for the degree program to raise their graduation GPA to the required level of 2.3.</p> <p>(3) Students who take part of the final ★60 at another postsecondary institution must seek approval of the Associate Dean (Undergraduate Student Services).</p> <p>(4) To qualify for the notation "With Distinction" on their parchment, students must achieve a graduation GPA of 3.5.</p>

FACULTY OF EDUCATION
COURSE AND PROGRAM CHANGES
PROPOSED CALENDAR CHANGE (2016-2017)

PROPOSED (2016-2017) CHART – **GFC Circulation, November 26, 2015**

Education Chart 3 Requirements for the BEd/BSc (Specialization in Science and Education) Degree Majors and Minors

Note: Years 1 and 2 are completed in the Faculty of Science. Years 3, 4, and 5 are completed in the Faculty of Education

Biological Sciences Major/Mathematical Sciences Minor (★150)

Core Program Requirements	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
Education: ★51 Major: ★45 Minor: ★27 100-level: ★30 (Maximum ★42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses Area “B” ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 396, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250 Note: It is the student’s responsibility to ensure that all prerequisites for higher level courses are met.	1. BIOL 107, 108 2. CHEM 101, 261 3. (see Note) 4. ★3 Junior ENGL or WRS 5. MATH 114 6. ★3 chosen from MATH 115, 125 or STAT 151 7. ★6 Arts Options 8. EDU 100 Note: Or CHEM 164 if you present a grade of 90% or higher in Chemistry 30.	1. BIOL 207, 208 2. BIOCH 200 3. ★3 Junior ENGL or WRS 4. EDU 211 5. ★3 chosen from MATH 115 or 125 or STAT 151 6. ★6 in Biological Sciences at the 200-level 7. ★6 in Mathematical Sciences at the 200-level	1. ★6 in Biological Sciences at the 200-level 2. ★6 Area “B” 3. ★3 chosen from MATH 115 or 125 or STAT 151 4. ★6 Arts Options 5. ★3 in Mathematical Sciences at the 300- or 400-level 6. ★3 EDPY 304 7. ★3 EDU 210	1. ★6 EDFX 350 (5 weeks) 2. EDSE 352 (Major) 3. EDSE 307 4. EDPY 303 5. ★6 in Biological Sciences at the 200-, 300- or 400-level 6. EDPY 301 7. ★3 EDSE 338 (Minor) 8. EDPS 410 Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.	1. ★9 EDFX 450 (9 weeks) 2. EDSE 451 3. EDSE 452 (Major) 4. ★12 in Biological Sciences at the 300- or 400-level 5. ★3 in Mathematical Sciences at the 300- or 400-level Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

Biological Sciences Major/Physical Sciences Minor (★150)

Core Program Requirements	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
Education: ★51 Major: ★42 Minor: ★27 100-level: ★33 (Maximum ★42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses	1. BIOL 107, 108 2. CHEM 101, 261 3. ★3 Junior (see Note) ENGL or WRS 4. MATH 114 5. MATH 115 6. PHYS 124 or 144	1. BIOL 207, 208 2. BIOCH 200 3. CHEM 102 4. ★3 Junior ENGL or WRS 5. EDU 211 6. ★3 Area “A” 7. ★3 in Biological Sciences at the 200-level	1. ★6 in Biological Sciences at the 200-level 2. ★6 Area “B” 3. EDU 210 4. PHYS 261 5. EDPY 304 6. ★6 Arts Options 7. ★3 Area “C”	1. ★6 EDFX 350 (5 weeks) 2. EDSE 352 (Major) 3. EDSE 307 4. EDPY 303 5. ★6 in Biological Sciences at the 200-, 300- or 400- level 6. EDPY 301	1. ★9 EDFX 450 (9 weeks) 2. EDSE 451 3. EDSE 452 (Major) 4. ★12 in Biological Sciences at the 300- or 400-level 5. ★3 Area “C” Note: Courses 1

<p>Area “A” CHEM 211, 263, PHYS 208, 271</p> <p>Area “B” ANTHR 230, BIOL 315, CHR TC 350, 352, CLASS 294, HIST 294, 391, 394, 396, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250</p> <p>Area “C” ASTRO 320, 322, or any 300-level CHEM or PHYS 301, 308, 310, 311, 362, 364</p> <p>Note: It is the student’s responsibility to ensure all prerequisites for 300-level courses are met.</p>	<p>7. PHYS 126 or 146 8. EDU 100</p> <p>Note: Or CHEM 164 if you present a grade of 90% or higher in Chemistry 30.</p>	<p>8. ★6 Arts Options</p>		<p>7. EDPS 410 8. EDSE 305 (Minor)</p> <p>Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>through 3 above constitute the Advanced Professional Term and must be taken concurrently.</p>
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Mathematical Sciences Major/Biological Sciences Minor (★150)

Core Program Requirements	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
<p>Education: ★51 Major: ★45 Minor: ★24 100-level: ★33 (Maximum ★42)</p> <p>Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses</p> <p>Area “B” ANTHR 230, BIOL 315, CHR TC 350, 352, CLASS 294, HIST 294, 391, 394, 396, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250</p> <p>Note: It is the student’s responsibility to ensure all prerequisites for 300-level courses are met.</p>	<p>1. BIOL 107, 108 2. ★3 Junior ENGL or WRS 3. MATH 114 4. MATH 115 5. MATH 125 6. STAT 151 7. ★6 in Physical Sciences at the 100-level 8. EDU 100</p>	<p>1. BIOL 207, 208 2. ★3 Junior ENGL or WRS 3. EDU 211 4. MATH 214 5. MATH 215 6. MATH 228 7. MATH 241 8. ★6 Arts Options</p>	<p>1. EDU 210 2. ★3 in Biological Sciences at the 200-level 3. ★3 in Mathematical Sciences at the 200-level 4. ★6 in Biological Sciences at the 200-, 300- or 400-level 5. ★6 Arts Options 6. ★6 Area “B”</p>	<p>1. ★6 EDFX 350 (5 weeks) 2. EDSE 337 (Major) 3. EDSE 307 4. EDPY 303 5. ★6 in Biological Sciences at the 300- or 400-level 6. ★3 in Mathematical Sciences at the 300- or 400-level 7. ★3 EDSE 353 (Minor) 8. EDPS 410</p> <p>Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>1. ★9 EDFX 450 (9 weeks) 2. EDSE 451 3. EDSE 437 (Major) 4. ★9 in Mathematical Sciences at the 300- or 400-level 5. ★3 EDPY 304 6. EDPY 301</p> <p>Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.</p>

Mathematical Sciences Major/Physical Sciences Minor (★150)

Core Program	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
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<p>Requirements Education: ★51 Major: ★45 Minor: ★27 100-level: ★39 (Maximum ★42)</p> <p>Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses</p> <p>Area “A” BIOCH 200, CHEM 211, 263, PHYS 208, 271</p> <p>Area “B” ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 396, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250</p> <p>Area “C” ASTRO 320, 322, or any 300-level CHEM or PHYS 301, 308, 310, 311, 362, 364</p> <p>Note: It is the student’s responsibility to ensure all prerequisites for 300-level courses are met.</p>	<ol style="list-style-type: none"> 1. BIOL 107, 108 2. ★3 Junior ENGL or WRS 3. MATH 114 4. MATH 115 5. MATH 125 6. STAT 151 7. ★6 in Physics or Chemistry chosen from CHEM 101, 102, PHYS 124 or 144, 126 or 146 8. EDU 100 	<ol style="list-style-type: none"> 1. ★3 Junior ENGL or WRS 2. EDU 211 3. MATH 214 4. MATH 215 5. MATH 228 6. MATH 241 7. ★6 in Physics or Chemistry chosen from CHEM 101, 102, PHYS 124 or 144, 126 or 146 8. CHEM 261 9. ★3 Arts Option 	<ol style="list-style-type: none"> 1. ★3 Area “A” 2. EDU 210 3. PHYS 208 or 271 4. ★3 in Mathematical Sciences at the 200-level 5. ★6 Area “B” 6. ★3 in Mathematical Sciences at the 300- or 400-level 7. ★6 Arts Options 8. ★3 EDPY 304 	<ol style="list-style-type: none"> 1. ★6 EDFX 350 (5 weeks) 2. EDSE 337 (Major) 3. EDSE 307 4. EDPY 303 5. ★3 in Mathematical Sciences at the 300- or 400-level 6. ★3 EDSE 366 (Minor) 7. ★6 Area “C” 8. ★3 EDPS 410 <p>Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.</p>	<ol style="list-style-type: none"> 1. ★9 EDFX 450 (9 weeks) 2. EDSE 451 3. EDSE 437 (Major) 4. ★9 in Mathematical Sciences at the 300- or 400-level 5. EDPY 301 6. ★3 Area “A” <p>Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.</p>
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Physical Sciences Major/Biological Sciences Minor (★150)

Chemistry Concentration (★150) Core Program Requirements	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
<p>Education: ★51 Major: ★42 Minor: ★24 100-level: ★33 (Maximum ★42)</p> <p>Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses</p> <p>Area “B” ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 115,</p>	<ol style="list-style-type: none"> 1. BIOL 107, 108 2. CHEM 101, 102 3. ★3 Junior ENGL or WRS 4. MATH 114 5. MATH 115 6. PHYS 124 or 144 7. PHYS 126 or 146 8. EDU 100 	<ol style="list-style-type: none"> 1. BIOL 207, 208 2. CHEM 261 3. EDU 210 4. ★3 Junior ENGL or WRS 5. EDU 211 6. PHYS 208 or 271 7. ★3 chosen from CHEM 211 or PHYS 294 8. ★6 Arts Options 	<ol style="list-style-type: none"> 1. CHEM 263 2. ★3 chosen from CHEM 211 or PHYS 294 3. ★6 in Biological Sciences at the 200-level 4. ★3 Arts Option 5. ★6 Area “B” 6. ★3 Area “C” 7. PHYS 281 8. ★3 Science Option 	<ol style="list-style-type: none"> 1. ★6 EDFX 350 (5 weeks) 2. EDSE 307 3. EDPY 303 4. EDSE 364 (Major) 5. EDPS 410 6. ★3 EDSE 305 (Minor) 7. ★6 in Biological Sciences at the 300- or 400-level 8. ★3 Arts Option <p>Note: Courses 1 through 4 above</p>	<ol style="list-style-type: none"> 1. ★9 EDFX 450 (9 weeks) 2. EDSE 451 3. EDSE 460 (Major) 4. ★3 EDPY 304 5. ★9 Area “C” 6. EDPY 301 <p>Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.</p>

294, 391, 394, 396 , 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250 Area “C” ASTRO 320, 322, or any 300-level CHEM or PHYS 301, 308, 310, 311, 362, 364 Note: It is the student’s responsibility to ensure all prerequisites for 300-level courses are met.				constitute the Introductory Professional Term and must be taken concurrently.	
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Physics Concentration (★150) Core Program Requirements Education: ★51 Major: ★42 Minor: ★24 100-level: ★33 (Maximum ★42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses Area “B” ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 396 , 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250 Area “C” ASTRO 320, 322, PHYS 301, 308, 310, 311 or any 300-level CHEM. Note: It is the student’s responsibility to ensure all prerequisites for 300-level courses are met.	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 and 5 (★30)	
	1. BIOL 107, 108 2. CHEM 101, 102 3. ★3 Junior ENGL or WRS 4. MATH 114 5. MATH 115 6. PHYS 124 or 144 7. PHYS 126 or 146 8. EDU 100	1. BIOL 207, 208 2. CHEM 261 3. EDU 210 4. ★3 Junior ENGL or WRS 5. EDU 211 6. PHYS 208 or 271 7. MATH 214 8. ★3 chosen from CHEM 211 or PHYS 294 9. ★3 Arts Options	1. CHEM 263 2. ★3 chosen from CHEM 211 or PHYS 294 3. ★6 in Biological Sciences at the 200-level 4. MATH 215 5. PHYS 281 6. ★6 Arts Option 7. ★3 Area “B” 8. ★3 Area “C”	1. ★6 EDFX 350 (5 weeks) 2. EDPY 303 3. EDSE 307 4. EDSE 364 (Major) 5. EDPS 410 6. ★3 EDSE 305 (Minor) 7. ★6 in Biological Sciences at the 300- or 400-level 8. ★3 Arts Option Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.	1. ★9 EDFX 450 (9 weeks) 2. EDSE 451 3. EDSE 460 (Major) 4. ★3 EDPY 304 5. ★9 Area “C” 6. EDPY 301 Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

Physical Sciences Major/Mathematical Sciences Minor (★150)

Core Program Requirements Education: ★51 Major: ★42 Minor: ★27 100-level: ★36 (Maximum ★42) Graduation	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
	1. BIOL 107, 108 2. CHEM 101, 102 3. ★3 Junior ENGL or WRS	1. EDU 210 2. CHEM 261 3. ★3 Junior ENGL or WRS 4. EDU 211 5. MATH 125	1. CHEM 263 2. MATH 228 3. MATH 215 4. ★3 chosen from CHEM 211 or PHYS 294	1. ★6 EDFX 350 (5 weeks) 2. EDPY 303 3. EDSE 307 4. EDSE 364 (Major)	1. ★9 EDFX 450 (9 weeks) 2. EDSE 451 3. EDSE 460 (Major) 4. ★3 Arts Option

<p>Requirements: GPA of 2.3 on all courses GPA of 2.7 on Major courses Area “B” ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 396, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250 Area “C” ASTRO 320, 322, or any 300-level CHEM or PHYS 301, 308, 310, 311, 362, 364 Note: It is the student’s responsibility to ensure all prerequisites for 300-level courses are met.</p>	<p>4. MATH 114 5. MATH 115 6. PHYS 124 or 144 7. PHYS 126 or 146 8. EDU 100</p>	<p>6. MATH 214 7. PHYS 261 or 281 8. PHYS 208 or 271 9. ★3 chosen from CHEM 211 or PHYS 294 10. ★3 Arts Option</p>	<p>5. ★6 Arts Options 6. ★6 Area “B” 7. ★6 Area “C”</p>	<p>5. EDPS 410 6. ★3 EDSE 338 (Minor) 7. ★6 in Mathematical Sciences at the 300- or 400-level 8. ★3 Science Option Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>5. ★3 EDPY 304 6. ★6 Area “C” 7. EDPY 301 Note: Courses 1 through 3 above constitute the Introductory Professional Term and must be taken</p>
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PROPOSED (2016-2017) CHART

Education Chart 3 Requirements for the BEd/BSc (Specialization in Science and Education) Degree Majors and Minors

Note: Years 1 and 2 are completed in the Faculty of Science. Years 3, 4, and 5 are completed in the Faculty of Education

Biological Sciences Major/Mathematical Sciences Minor (★150)

Core Program Requirements	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
<p>Education: ★51 Major: ★45 Minor: ★27 100-level: ★30 (Maximum ★42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses Area “B” ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250 Note: It is the student’s responsibility to ensure that all prerequisites for</p>	<p>9. BIOL 107, 108 10. CHEM 101, 261 11. (see Note) 12. ★3 Junior ENGL or WRS 13. MATH 114 14. ★3 chosen from MATH 115, 125 or STAT 151 15. ★6 Arts Options 16. EDU 100 Note: Or CHEM 164 if you present a grade of 90% or higher in Chemistry 30.</p>	<p>8. BIOL 207, 208 9. BIOCH 200 10. ★3 Junior ENGL or WRS 11. EDU 211 12. ★3 chosen from MATH 115 or 125 or STAT 151 13. ★6 in Biological Sciences at the 200-level 14. ★6 in Mathematical Sciences at the 200-level</p>	<p>8. ★6 in Biological Sciences at the 200-level 9. ★6 Area “B” 10. ★3 chosen from MATH 115 or 125 or STAT 151 11. ★6 Arts Options 12. ★3 in Mathematical Sciences at the 300- or 400-level 13. ★3 EDPY 304 14. ★3 EDU 210</p>	<p>9. ★6 EDFX 350 (5 weeks) 10. EDSE 352 (Major) 11. EDSE 307 12. EDPY 303 13. ★6 in Biological Sciences at the 200-, 300- or 400-level 14. EDPY 301 15. ★3 EDSE 338 (Minor) 16. EDPS 410 Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>6. ★9 EDFX 450 (9 weeks) 7. EDSE 451 8. EDSE 452 (Major) 9. ★12 in Biological Sciences at the 300- or 400-level 10. ★3 in Mathematical Sciences at the 300- or 400-level Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.</p>

higher level courses are met.					
Biological Sciences Major/Physical Sciences Minor (★150)					
Core Program Requirements Education: ★51 Major: ★42 Minor: ★27 100-level: ★33 (Maximum ★42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses Area “A” CHEM 211, 263, PHYS 208, 271 Area “B” ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250 Area “C” ASTRO 320, 322, or any 300-level CHEM or PHYS 301, 308, 310, 311, 362, 364 Note: It is the student’s responsibility to ensure all prerequisites for 300-level courses are met.	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
	9. BIOL 107, 108 10. CHEM 101, 261 (see Note) 11. ★3 Junior ENGL or WRS 12. MATH 114 13. MATH 115 14. PHYS 124 or 144 15. PHYS 126 or 146 16. EDU 100 Note: Or CHEM 164 if you present a grade of 90% or higher in Chemistry 30.	9. BIOL 207, 208 10. BIOCH 200 11. CHEM 102 12. ★3 Junior ENGL or WRS 13. EDU 211 14. ★3 Area “A” 15. ★3 in Biological Sciences at the 200-level 16. ★6 Arts Options	8. ★6 in Biological Sciences at the 200-level 9. ★6 Area “B” 10. EDU 210 11. PHYS 261 12. EDPY 304 13. ★6 Arts Options 14. ★3 Area “C”	9. ★6 EDFX 350 (5 weeks) 10. EDSE 352 (Major) 11. EDSE 307 12. EDPY 303 13. ★6 in Biological Sciences at the 200-, 300- or 400- level 14. EDPY 301 15. EDPS 410 16. EDSE 305 (Minor) Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.	6. ★9 EDFX 450 (9 weeks) 7. EDSE 451 8. EDSE 452 (Major) 9. ★12 in Biological Sciences at the 300- or 400-level 10. ★3 Area “C” Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.
Mathematical Sciences Major/Biological Sciences Minor (★150)					
Core Program Requirements Education: ★51 Major: ★45 Minor: ★24 100-level: ★33 (Maximum ★42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses Area “B”	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
	9. BIOL 107, 108 10. ★3 Junior ENGL or WRS 11. MATH 114 12. MATH 115 13. MATH 125 14. STAT 151 15. ★6 in Physical Sciences at the 100-level 16. EDU 100	9. BIOL 207, 208 10. ★3 Junior ENGL or WRS 11. EDU 211 12. MATH 214 13. MATH 215 14. MATH 228 15. MATH 241 16. ★6 Arts Options	7. EDU 210 8. ★3 in Biological Sciences at the 200-level 9. ★3 in Mathematical Sciences at the 200-level 10. ★6 in Biological Sciences at	2. ★6 EDFX 350 (5 weeks) 9. EDSE 337 (Major) 10. EDSE 307 11. EDPY 303 12. ★6 in Biological Sciences at the 300- or 400-level 13. ★3 in Mathematica	7. ★9 EDFX 450 (9 weeks) 8. EDSE 451 9. EDSE 437 (Major) 10. ★9 in Mathematical Sciences at the 300- or 400-level 11. ★3 EDPY 304 12. EDPY 301 Note: Courses 1 through 3 above

<p>ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250</p> <p>Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.</p>			<p>the 200-, 300- or 400-level</p> <p>11. ★6 Arts Options</p> <p>12. ★6 Area "B"</p>	<p>1 Sciences at the 300- or 400-level</p> <p>14. ★3 EDSE 353 (Minor)</p> <p>15. EDPS 410</p> <p>Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>constitute the Advanced Professional Term and must be taken concurrently.</p>
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Mathematical Sciences Major/Physical Sciences Minor (★150)

Core Program Requirements	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
<p>Education: ★51</p> <p>Major: ★45</p> <p>Minor: ★27</p> <p>100-level: ★39 (Maximum ★42)</p> <p>Graduation Requirements:</p> <p>GPA of 2.3 on all courses</p> <p>GPA of 2.3 on Major courses</p> <p>Area "A"</p> <p>BIOCH 200, CHEM 211, 263, PHYS 208, 271</p> <p>Area "B"</p> <p>ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250</p> <p>Area "C"</p> <p>ASTRO 320, 322, or any 300-level CHEM or PHYS 301, 308, 310, 311, 362, 364</p> <p>Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.</p>	<p>9. BIOL 107, 108</p> <p>10. ★3 Junior ENGL or WRS</p> <p>11. MATH 114</p> <p>12. MATH 115</p> <p>13. MATH 125</p> <p>14. STAT 151</p> <p>15. ★6 in Physics or Chemistry chosen from CHEM 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150</p> <p>16. EDU 100</p>	<p>10. ★3 Junior ENGL or WRS</p> <p>11. EDU 211</p> <p>12. MATH 214</p> <p>13. MATH 215</p> <p>14. MATH 228</p> <p>15. MATH 241</p> <p>16. ★6 in Physics or Chemistry chosen from CHEM 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150</p> <p>17. CHEM 261</p> <p>18. ★3 Arts Option</p>	<p>9. ★3 Area "A"</p> <p>10. EDU 210</p> <p>11. PHYS 208 or 271</p> <p>12. ★3 in Mathematica 1 Sciences at the 200-level</p> <p>13. ★6 Area "B"</p> <p>14. ★3 in Mathematica 1 Sciences at the 300- or 400-level</p> <p>15. ★6 Arts Options</p> <p>16. ★3 EDPY 304</p>	<p>9. ★6 EDFX 350 (5 weeks)</p> <p>10. EDSE 337 (Major)</p> <p>11. EDSE 307</p> <p>12. EDPY 303</p> <p>13. ★3 in Mathematica 1 Sciences at the 300- or 400-level</p> <p>14. ★3 EDSE 366 (Minor)</p> <p>15. ★6 Area "C"</p> <p>16. ★3 EDPS 410</p> <p>Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>7. ★9 EDFX 450 (9 weeks)</p> <p>8. EDSE 451</p> <p>9. EDSE 437 (Major)</p> <p>10. ★9 in Mathematical Sciences at the 300- or 400-level</p> <p>11. EDPY 301</p> <p>12. ★3 Area "A"</p> <p>Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.</p>

Physical Sciences Major/Biological Sciences Minor (★150)

Chemistry	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
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<p>Concentration (★150) Core Program Requirements Education: ★51 Major: ★42 Minor: ★24 100-level: ★33 (Maximum ★42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses Area “B” ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 115, 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250 Area “C” ASTRO 320, 322, or any 300-level CHEM or PHYS 301, 308, 310, 311, 362, 364 Note: It is the student’s responsibility to ensure all prerequisites for 300-level courses are met.</p>	9. BIOL 107, 108 10. CHEM 101, 102 11. ★3 Junior ENGL or WRS 12. MATH 114 13. MATH 115 14. PHYS 124 or 144 15. PHYS 126 or 146 16. EDU 100	9. BIOL 207, 208 10. CHEM 261 11. EDU 210 12. ★3 Junior ENGL or WRS 13. EDU 211 14. PHYS 208 or 271 15. ★3 chosen from CHEM 211 or PHYS 294 16. ★6 Arts Options	9. CHEM 263 10. ★3 chosen from CHEM 211 or PHYS 294 11. ★6 in Biological Sciences at the 200-level 12. ★3 Arts Option 13. ★6 Area “B” 14. ★3 Area “C” 15. PHYS 281 16. ★3 Science Option	9. ★6 EDFX 350 (5 weeks) 10. EDSE 307 11. EDPY 303 12. EDSE 364 (Major) 13. EDPS 410 14. ★3 EDSE 305 (Minor) 15. ★6 in Biological Sciences at the 300- or 400-level 16. ★3 Arts Option Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.	7. ★9 EDFX 450 (9 weeks) 8. EDSE 451 9. EDSE 460 (Major) 10. ★3 EDPY 304 11. ★9 Area “C” 12. EDPY 301 Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.
<p>Physics Concentration (★150) Core Program Requirements Education: ★51 Major: ★42 Minor: ★24 100-level: ★33 (Maximum ★42) Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses Area “B” ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265,</p>	Year 1 (★30) 9. BIOL 107, 108 10. CHEM 101, 102 11. ★3 Junior ENGL or WRS 12. MATH 114 13. MATH 115 14. PHYS 124 or 144 15. PHYS 126 or 146 16. EDU 100	Year 2 (★30) 10. BIOL 207, 208 11. CHEM 261 12. EDU 210 13. ★3 Junior ENGL or WRS 14. EDU 211 15. PHYS 208 or 271 16. MATH 214 17. ★3 chosen from CHEM 211 or PHYS 294 18. ★3 Arts Options	Year 3 (★30) 9. CHEM 263 10. ★3 chosen from CHEM 211 or PHYS 294 11. ★6 in Biological Sciences at the 200-level 12. MATH 215 13. PHYS 281 14. ★6 Arts Option 15. ★3 Area “B” 16. ★3 Area “C”	Year 4 and 5 (★30) 9. ★6 EDFX 350 (5 weeks) 10. EDPY 303 11. EDSE 307 12. EDSE 364 (Major) 13. EDPS 410 14. ★3 EDSE 305 (Minor) 15. ★6 in Biological Sciences at the 300- or 400-level 16. ★3 Arts Option	7. ★9 EDFX 450 (9 weeks) 8. EDSE 451 9. EDSE 460 (Major) 10. ★3 EDPY 304 11. ★9 Area “C” 12. EDPY 301 Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

<p>317, 375, PHYS 261, STS 200, WGS 250</p> <p>Area “C”</p> <p>ASTRO 320, 322, PHYS 301, 308, 310, 311 or any 300-level CHEM.</p> <p>Note: It is the student’s responsibility to ensure all prerequisites for 300-level courses are met.</p>				<p>Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.</p>	
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Physical Sciences Major/Mathematical Sciences Minor (★150)

Core Program Requirements	Year 1 (★30)	Year 2 (★30)	Year 3 (★30)	Year 4 (★30)	Year 5 (★30)
<p>Education: ★51 Major: ★42 Minor: ★27 100-level: ★36 (Maximum ★42)</p> <p>Graduation Requirements: GPA of 2.3 on all courses GPA of 2.3 on Major courses</p> <p>Area “B” ANTHR 230, BIOL 315, CHRTC 350, 352, CLASS 294, HIST 294, 391, 394, 397, 398, 496, PHIL 217, 265, 317, 375, PHYS 261, STS 200, WGS 250</p> <p>Area “C” ASTRO 320, 322, or any 300-level CHEM or PHYS 301, 308, 310, 311, 362, 364</p> <p>Note: It is the student’s responsibility to ensure all prerequisites for 300-level courses are met.</p>	<p>9. BIOL 107, 108 10. CHEM 101, 102 11. ★3 Junior ENGL or WRS 12. MATH 114 13. MATH 115 14. PHYS 124 or 144 15. PHYS 126 or 146 16. EDU 100</p>	<p>11. EDU 210 12. CHEM 261 13. ★3 Junior ENGL or WRS 14. EDU 211 15. MATH 125 16. MATH 214 17. PHYS 261 or 281 18. PHYS 208 or 271 19. ★3 chosen from CHEM 211 or PHYS 294 20. ★3 Arts Option</p>	<p>8. CHEM 263 9. MATH 228 10. MATH 215 11. ★3 chosen from CHEM 211 or PHYS 294 12. ★6 Arts Options 13. ★6 Area “B” 14. ★6 Area “C”</p>	<p>2. ★6 EDFX 350 (5 weeks) 9. EDPY 303 10. EDSE 307 11. EDSE 364 (Major) 12. EDPS 410 13. ★3 EDSE 338 (Minor) 14. ★6 in Mathematical Sciences at the 300- or 400-level 15. ★3 Science Option</p> <p>Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.</p>	<p>8. ★9 EDFX 450 (9 weeks) 9. EDSE 451 10. EDSE 460 (Major) 11. ★3 Arts Option 12. ★3 EDPY 304 13. ★6 Area “C” 14. EDPY 301</p> <p>Note: Courses 1 through 3 above constitute the Introductory Professional Term and must be taken</p>

2016-2017 Calendar changes

Current**12.7 Admission and Readmission Deadlines**

Open Studies					
	Admission		Readmission		Other Requirements
	Application	Documents*	Application	Documents*	
All Students					
Spring Term	April 30	April 30	April 30	April 30	
Summer Term	June 30	June 30	June 30	June 30	
Fall Term	August 31	August 31	August 31	August 31	
Winter Term	December 15	December 15	December 15	December 15	
*Not normally required except as specified in §220.					

Proposed

Open Studies					
	Admission		Readmission		Other Requirements
	Application	Documents*	Application	Documents*	
All Students					
Spring Term	April 30	April 30	April 30	April 30	
Summer Term	June 30	June 30	June 30	June 30	
Fall Term	August 25	August 25	August 25	August 25	
Winter Term	December 15	December 15	December 15	December 15	
*Not normally required except as specified in §220.					

Current	Proposed
<p>220 Open Studies</p> <p>220.1 Definition Open Studies students are students registered in selected credit courses and/or courses for audit but who are not in a specific degree or diploma program.</p> <p>220.2 Admission and Registration Admission and registration in Open Studies are administered by the Office of the Registrar and the Dean of Students.</p> <p>220.2.1 Application and Admission (1) Application: Applicants may apply for admission using the online or PDF application at www.registrarsoffice.ualberta.ca. A nonrefundable fee must accompany each application. Documentation of past education is usually not required; see (2) below.</p> <p>For registration in Applications must be received by Fall Term August 31 Winter Term December 15 Spring Term April 30 Summer Term June 30</p> <p>No further changes</p>	<p>220 Open Studies</p> <p>220.1 Definition Open Studies students are students registered in selected credit courses and/or courses for audit but who are not in a specific degree or diploma program.</p> <p>220.2 Admission and Registration Admission and registration in Open Studies are administered by the Office of the Registrar and the Dean of Students.</p> <p>220.2.1 Application and Admission (1) Application: Applicants may apply for admission using the online or PDF application at www.registrarsoffice.ualberta.ca. A nonrefundable fee must accompany each application. Documentation of past education is usually not required; see (2) below.</p> <p>For registration in Applications must be received by Fall Term August 25 Winter Term December 15 Spring Term April 30 Summer Term June 30</p> <p>No further changes</p>

Faculty of Graduate Studies and Research

Proposed Calendar Changes for 2016-2017

Graduate Programs

205.42 Medical Microbiology and Immunology

Department of Medical Microbiology and Immunology

6-020 Katz Group Centre

University of Alberta

Edmonton, Alberta T6G 2E1

www.mmi.med.ualberta.ca

E-mail: mmi.mail@ualberta.ca

CURRENT	PROPOSED
<p>205.42.1 General Information</p> <p>The Department of Medical Microbiology and Immunology offers programs leading to the degrees of Master of Science and Doctor of Philosophy. Students may specialize in the following: bacteriology, immunology, mycology, parasitology, virology, macromolecular crystallography, or clinical microbiology. Both programs require coursework, completion of a research project, and preparing a thesis. [...]</p> <p>Entrance Requirements</p> <p>The Department generally does not accept students with less than an honors grade (3.3 at the University of Alberta) in the last two years of their undergraduate degree, or an equivalent qualification from another recognized institution. Where applicable, a minimum TOEFL score of 600 (paper based) or 96 (internet based), or equivalent is required. GRE scores in the 75th percentile or above in all three areas is also required for internationally trained applicants, as is a Master's degree in a related area of Basic Science.</p>	<p>205.42.1 General Information</p> <p>The Department of Medical Microbiology and Immunology offers programs leading to the degrees of Master of Science and Doctor of Philosophy. Students may specialize in the following: bacteriology, immunology, parasitology, or virology. Both programs require coursework, completion of a research project, and preparing a thesis. [...]</p> <p>Entrance Requirements</p> <p>The Department generally does not accept students with less than an honors grade (3.3 at the University of Alberta) in the last two years of their undergraduate degree, or an equivalent qualification from another recognized institution. Where applicable, a minimum TOEFL score of 600 (paper based) or 96 (internet based), or equivalent is required. We also require international students applying to our program to hold a Master's degree in a related area of Basic Science, but may grant waivers in cases where the applicants specifically address the suitability of their undergraduate training to our program.</p>

Rationale for change: Throughout the years the expertise of the department has changed and we can no longer offer Master/PhD programs in the subjects that we lack expertise in. The disciplines of mycology, macromolecular crystallography and clinical microbiology appear in the calendar but are not available to prospective students.

December 3, 2015

UNIVERSITY OF ALBERTA: OFFICE OF THE REGISTRAR
Proposals Recommended for APPROVAL of Transfer Credit at the
Academic Standards Committee Meeting on December 17, 2015

Proposal ID # and Sending Institution	Sending Institution Courses	UofA Courses	Transfer Agreement Footnotes	Comments
KING'S UNIVERSITY COLLEGE, THE				
139179	BUSI 356 (3)	AUACC 3XX (3)		King's BUSI 356 (3) was previously approved for ACCTG 3xx (3). The new agreement will be: BUSI 356 (3) = ACCTG 3xx (3) OR AUACC 3xx (3).
MACEWAN UNIVERSITY				
138778	ENGL 219 (3)	ENGL 2XX (3)		
105499	PEDS200 (3)	AUPED 2XX (3)	Student will not also receive credit for AUPED 314 at UofA.	MacEwan's PEDS200 (3) was previously approved for PEDS200 (3). The new agreement will be: PEDS200 (3) = PEDS200 (3) OR AUPED 2xx (3). Student will not also receive credit for AUPED 314 at UofA.
92765	PEDS201 (3)	AUPED 3XX (3)		MacEwan's PEDS201 (3) was previously approved for PEDS401 (3). The new agreement will be: PEDS201 (3) = PEDS401 (3) OR AUPED 3xx (3).
107305	PSYC 337 (3)	AUPSY 488 (3)		MacEwan's PSYC 337 (3) was previously approved for PSYCO 3xx [Arts] (3). The new agreement will be: PSYC 337 (3) OR AUPSY 488 (3).
54301	WRIT 294 (3)	AUENG 2XX (3)		MacEwan's WRIT 294 (3) was previously approved for WRITE 294 (3). The new agreement will be: WRIT 294 (3) = WRITE 294 (3) OR AUENG 2xx (3).
ST MARY'S UNIVERSITY				
121996	ENGL 361 (3)	AUOption 2XX [Humanities] (3)		St Mary's ENGL 361 (3) was previously approved for FS2xx (3). The new agreement will be: ENGL 361 (3) = FS2xx (3) OR AUOption 2xx [Humanities] (3).
139034	HIST 319 (3)	PHIL 319 (3) OR AUPHI 3XX (3)		

December 3, 2015

UNIVERSITY OF ALBERTA: OFFICE OF THE REGISTRAR
Proposals Recommended for APPROVAL of Transfer Credit at the
Academic Standards Committee Meeting on December 17, 2015

Proposal ID # and Sending Institution	Sending Institution Courses	UofA Courses	Transfer Agreement Footnotes	Comments
YUKON COLLEGE				
132530	PHYS 101 (3)	AUPHY 110 (3)		Yukon's PHYS 101 (3) was previously approved for PHYS 144 (3). The new agreement will be: PHYS 101 (3) = PHYS 144 (3) OR AUPHY 110 (3).
132537	PHYS 102 (3)	AUPHY 1XX (3)	Student will not also receive credit for AUPHY 250 at UofA.	Yukon's PHYS 102 (3) was previously approved for PHYS 1xx (3). A minimum grade of B must be obtained if student wishes to proceed to any 200-level or above PHYS or ASTRO course at the UofA. The new agreement will be: PHYS 102 (3) = PHYS 1xx (3) OR AUPHY 1xx (3). A minimum grade of B must be obtained if student wishes to proceed to any 200-level or above PHYS or ASTRO course at the UofA. Student will not also receive credit for AUPHY 250 at UofA.

December 3, 2015

UNIVERSITY OF ALBERTA: OFFICE OF THE REGISTRAR

Summary of Transfer Credit Proposals DENIED

Circulated for Information Only at the Academic Standards Committee Meeting on December 17, 2015

Proposal ID # and Sending Institution	Sending Institution Course	U of A Course Requested	Denial Date	Reason for Denial
<hr/>				
ST MARY'S UNIVERSITY				
138036	EDPA 557 (3)	EDPS5XX (3)	November 30, 2015	St. Mary's offers an undergraduate elementary education degree and graduate certificate, not a Master's degree, Education Policy Studies does not feel it is appropriate to approve transfer credit for a graduate-level course.

OUTLINE OF ISSUE

Agenda Title: **Proposed changes to Admission and Academic Requirements for the BSc in Nursing – Honors Program, Faculty of Nursing**

Motion: THAT the GFC Academic Standard Committee, with delegated authority from General Faculties Council, approve the proposed changes to the admission and academic standing requirements for the BSc in Nursing Honors Program, as submitted by the Faculty of Nursing, and as set forth in Attachment 1, to take effect Fall 2016.

Item

Action Requested	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Recommendation <input type="checkbox"/> Discussion/Advice <input type="checkbox"/> Information
Proposed by	Dr. Anita Molzahn, Dean, Faculty of Nursing, Dr. Jude Spiers, BScN Honors Program Co-ordinator, Faculty of Nursing
Presenter	Dr. Carolyn Ross, Associate Dean, Undergraduate Programs, Dr. Jude Spiers, BScN Honors Program Co-ordinator, Faculty of Nursing
Subject	Proposed changes to Admission and Academic Requirements for the BSc in Nursing – Honors Program

Details

Responsibility	Provost and Vice-President (Academic)
The Purpose of the Proposal is (please be specific)	To open access to the BScN Honors Program to students who are admitted into the BScN After Degree Program.
The Impact of the Proposal is	The proposed changes to Admissions and Academic Requirements will provide greater undergraduate nursing student access to the more in-depth knowledge in the area of research offered in the Honors Program. This program helps to prepare students to provide evidence-based nursing practice in health care settings as well as to facilitate the transition from undergraduate to graduate studies in nursing. Students are supported in conducting research, presenting their research in conferences and other public venues and working toward publications of their work. This enhances their competitiveness for graduate programs.
Replaces/Revises (eg, policies, resolutions)	Calendar revisions : 12.7; 16.11.2 and; 134.2
Timeline/Implementation Date	Fall 2016
Estimated Cost	There are no resource implications. The component parts are in place: <ul style="list-style-type: none"> No new courses are required for implementation of the proposed changes to Admission and Academic Requirements for the BSc in Nursing – Honors Program Acceptance into the program is conditional on matching the applicant with an appropriate research supervisor willing to serve in that capacity
Sources of Funding	N/A
Notes	

Alignment/Compliance

Alignment with Guiding Documents	Dare to Discover, Dare to Deliver, Comprehensive Institutional Plan, Institutional values,
Compliance with Legislation, Policy and/or Procedure Relevant to the Proposal	1. Post-Secondary Learning Act (PSLA): The PSLA gives GFC responsibility, subject to the authority of the Board of Governors, over academic affairs (Section 26(1)). Further, the PSLA gives the Board of

(please quote legislation and include identifying section numbers)

Governors authority over certain admission requirements and rules respecting enrolment (Section 60(1)(c) and (d)). The Board has delegated its authority over admissions requirements and rules respecting enrolment to GFC. GFC has thus established an Academic Standards Committee (ASC).

2. PSLA: The PSLA gives Faculty Councils power to “provide for the admission of students to the faculty” (29(1)(c)).

3. UAPPOL Admissions Policy: “Admission to the University of Alberta is based on documented academic criteria established by individual Faculties and approved by GFC. This criteria may be defined in areas such as subject requirements, minimum entrance averages, and language proficiency requirements. In addition to academic requirements for admission, GFC authorizes each Faculty to establish such other reasonable criteria for admission of applicants as the Faculty may consider appropriate to its programs of study, subject to the approval of GFC (e.g. interview, audition, portfolio, etc.)

The admission requirements for any Faculty will be those approved by GFC as set forth in the current edition of the University Calendar. In addition to the admission requirements, selection criteria for quota programs, where they exist, will also be published in the current edition of the University Calendar. The responsibility for admission decisions will be vested in the Faculty Admission Committees or in the Deans of the respective Faculties, as the councils of such Faculties will determine.”

4. UAPPOL Admissions Procedure:

“PROCEDURE

1. EFFECTIVE DATE OF CHANGES TO ADMISSION REGULATIONS

Following approval by GFC:

a. Where changes to admission regulations may disadvantage students in the current admission cycle, normally implementation will be effective after the change has been published in the University Calendar for one full year (i.e., effective the second year that the information is published in the University Calendar).

For example, a change approved in May 2005 would be first published in the 2006-2007 University Calendar in March 2006. Therefore the statement cannot come into effect until September 2007 (affecting applicants who apply for the September 2007 term beginning July 2006).

b. Where changes to admission regulations are deemed by the approving body to be ‘advantageous to students’, normally the date of implementation will be effective immediately or at the next available intake for the admitting Faculty.”

5. PSLA: The PSLA gives Faculty Councils the authority to “determine the conditions under which a student must withdraw from or may continue the student’s program of studies in a faculty” (Section 29(1)(d)).

6. UAPPOL Academic Standing Policy: All current academic standing regulations, including academic standing categories, University graduating standards and requirements for all individual programs will be those prescribed by Faculty Councils and GFC as set forth in the University Calendar.

	<p>7. UAPPOL Academic Standing Regulations Procedures: All proposed new academic standing regulations and changes to existing academic standing regulations will be submitted by the Faculties or the Administration to the Provost and Vice-President (Academic). Faculties will also submit to the Provost and Vice-President (Academic) any proposed changes to the use and/or computation of averages relating to academic standing, including promotion and graduation.</p> <p>If the Provost and Vice-President (Academic) determines the proposal to be in good order, the proposal will be introduced to the appropriate University governance process(es). In considering these proposals, governance bodies will consult as necessary with the Faculties and with other individuals and offices.</p> <p>Normally, changes become effective once they are approved by GFC or its delegate and are published in the University Calendar.</p> <p>8. GFC Academic Standards Committee (ASC) Terms of Reference (3. Mandate of the Committee):</p> <p>“B. Admission and Transfer, Academic Standing, Marking and Grading, Term Work, Examinations, International Baccalaureate (IB), Advanced Placement (AP)</p> <p>i. All proposals from the Faculties or the Administration related to admission and transfer, to the academic standing of students, to institutional marking and grading policies and/or procedures and to term work policies and procedures are submitted to the Provost and Vice-President (Academic) (or delegate) who chairs the GFC Academic Standards Committee. ASC will consult as necessary with the Faculties and with other individuals and offices in its consideration of these proposals. (GFC 29 SEP 2003) (GFC 31 MAY 2005) (EXEC 04 DEC 2006)</p> <p>ii. ASC acts for GFC in approving routine and/or editorial changes to both admission/transfer policies and academic standing regulations, and acts for GFC in approving all proposals for a) change to examination regulations, b) change to existing International Baccalaureate (IB) and Advanced Placement (AP) policies and procedures and c) change to the University Calendar Section on Missed Term Work (under the Section entitled Evaluation Procedures and Grading System. (EXEC 18 NOV 1996) (EXEC 04 DEC 2006)'</p>
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Routing (Include meeting dates)

<p>Participation: (parties who have seen the proposal and in what capacity)</p> <ul style="list-style-type: none"> • Those who have been informed • Those who have been 	<p>Undergraduate students (2010-2015): Informal conversations with undergraduate students in the BScN After Degree Program</p> <p>Faculty of Nursing, for discussion</p>
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Item No. 5

consulted <ul style="list-style-type: none"> • Those who are actively participating 	
Approval Route (Governance) (including meeting dates)	Onsite Curriculum Committee, September 22, 2015 Faculty of Nursing Caucus, September 28, 2015 Faculty of Nursing Council, October 26, 2015. GFC Academic Standard Committee – December 17, 2015
Final Approver	GFC Academic Standards Committee – December 17, 2015

Attachments (each to be numbered 1 - <>)

1. Attachment 1 (page(s) 1 - 6) BSc in Nursing – Honors Program: Proposed Calendar Changes

Prepared by: Carolyn Ross, Associate Dean, Undergraduate Programs, Faculty of Nursing and Jude Spiers, Honors Program Co-ordinator, Faculty of Nursing

Revised: 12/17/2015

**Faculty of Nursing
Calendar Change Request Form
Implementation in 2016-2017**

CURRENT	PROPOSED
<p style="text-align: center;">16.11.2 BSc in Nursing—Honors Program</p> <p>The BScN—Honors Program is offered to eligible students in the BScN—Collaborative Program. The minimum requirements for admission to the BScN—Honors Program are:</p> <p>(1) Completion of all Year 1 courses in the BScN—Collaborative Program. (Students enrolled in the BScN—Collaborative Program may apply to the Honors Program at the end of Year 1 or up to the end of Year 2.)</p> <p>(2) A minimum GPA of 3.0 on credits completed in the BScN—Collaborative Program up to the time of application with a minimum GPA of 3.3 in all Nursing courses.</p>	<p style="text-align: center;">16.11.2 BSc in Nursing—Honors Program</p> <p>The BScN—Honors Program is offered to eligible students in the BScN—Collaborative Program <u>and to applicants who have completed a university degree.</u> Students planning to apply to the Honors program must consult the Honors Program Coordinator before applying. <u>Acceptance is dependent upon obtaining approval from a potential research supervisor by August 31.</u> The minimum requirements for admission to the BScN—Honors Program are:</p> <p>I. <u>Applicants from the BScN Collaborative Program</u></p> <p>(1) Completion of all Year 1 courses in the BScN—Collaborative Program. (Students enrolled in the BScN—Collaborative Program may apply to the Honors Program at the end of Year 1 or up to the end of Year 2.)</p> <p>(2) <u>A minimum GPA of 3.3 on ★24 in the preceding Fall/Winter. Admission is competitive.</u></p> <p>II. <u>Applicants with a Prior Degree</u></p> <p>(1) <u>A baccalaureate degree from a recognized academic institution.</u></p> <p>(2) <u>Students must normally present a minimum AGPA of 3.5. Admission is competitive.</u></p> <p>(3) <u>Completion of the following prerequisites: English (★3), Human Anatomy (★3), Human Physiology (★3), Medical Microbiology (★3), Psychology (★3), and Statistics (★3). High School subject requirements do not apply.</u></p> <p><u>Note: The BScN—Honors Program is only offered in Edmonton.</u></p>

Rationale:

Opening the Honors Program to After Degree students will provide greater access to the Honors Program and help fill unmet capacity.

Current:**12.7 Admission and Readmission Deadlines**

Nursing					
	Admission		Readmission		Other Requirements
	Application	Documents	Application	Documents	
BScN (Honors)					
Fall Term	No admission		No admission		
Winter Term	No admission		No admission		
Spring/Summer	No admission		March 15	March 15	

Proposed:**12.7 Admission and Readmission Deadlines**

Nursing					
	Admission		Readmission		Other Requirements
	Application	Documents	Application	Documents	
BScN (Honors)					
Fall Term	March 1	June 30	No admission		
Winter Term	No admission		No admission		
Spring/Summer	No admission		March 15	March 15	

134.2 BScN—Honors Program

134.2.1 General Information

The BScN—Honors Program is offered to eligible students in the BScN—Collaborative Program. Students planning to apply to the BScN—Honors Program should consult §16.11.2 for admission requirements. A detailed course sequence of the BScN—Honors Program is provided in §134.2.2.

Students in the BScN—Honors Program are required to complete two Nursing Honors Seminars and a Nursing Honors Project and maintain superior academic standing. They must also be committed to function in an apprenticeship model where under the guidance of their Honors Supervisor they develop a strong foundation in nursing research and scholarship.

- (1) The curriculum is designed to be taken over four years. To seek a program extension, students must obtain approval of the Honors Program Coordinator and then submit an

134.2 BScN—Honors Program

134.2.1 General Information

The BScN—Honors Program is offered to eligible students in the BScN—Collaborative Program and to applicants who have completed a university degree. Students planning to apply to the BScN—Honors Program should consult §16.11.2 for admission requirements. A detailed course sequence of the BScN—Honors Program for students transferring from the BScN—Collaborative Program and for After Degree students is provided in §134.2.2.

Students in the BScN—Honors Program are required to complete two Nursing Honors Seminars and a Nursing Honors Project and maintain superior academic standing. They must also be committed to function in an apprenticeship model where under the guidance of their Honors Supervisor they develop a strong foundation in nursing research and scholarship.

- (1) The curriculum for the BScN—Collaborative

application to the Student Advisor. With approval, students have up to six years from the time of original admission to the Faculty of Nursing to complete the degree requirements.

- (2) Students are responsible for the completeness and accuracy of their registrations. Particular care should be exercised regarding prerequisite courses. Students are responsible for adjustments in registration made necessary by reexamination results.
- (3) Placements can be made anywhere in the greater Edmonton area (Devon, Fort Saskatchewan, Leduc, Morinville, St Albert, Sherwood Park, Spruce Grove and Stony Plain) or as far away as 150 kilometers. Students are responsible for their transportation to practice placements and for the costs of travel and accommodations.
- (4) Clinical practice may include shift and weekend rotations.

134.2.2 Course Sequence

Note: Students will follow the course sequence for the BScN—Collaborative Program in Year 1 and Year 2.

Sequence A

Year 3

Two Term

NURS 399 (★3)

Fall Term

NURS 307 (★6)

NURS 308 (★6)

Winter Term

NURS 405 (★6)

NURS 406 (★6)

Year 4 (see Note 1)

Fall Term

NURS 407 (★6)

NURS 408 (★6)

Program with transfer to the Honors Program is designed to be taken over four years. To seek a program extension, students must obtain approval of the Honors Program Coordinator and then submit an application to the Student Advisor. With approval, students have up to six years from the time of original admission to the Faculty of Nursing to complete the degree requirements.

(2) The BScN—Honors Program for After Degree students is designed to be taken over two calendar years. To seek a program extension, students must obtain approval of the Honors Program Coordinator and then submit an application to the Student Advisor. With approval, students have up to three years to complete the requirements for this program.

(3) Students are responsible for the completeness and accuracy of their registrations. Particular care should be exercised regarding prerequisite courses. Students are responsible for adjustments in registration made necessary by reexamination results.

(4) Placements can be made anywhere in the greater Edmonton area (Devon, Fort Saskatchewan, Leduc, Morinville, St Albert, Sherwood Park, Spruce Grove and Stony Plain) or as far away as 150 kilometers. Students are responsible for their transportation to practice placements and for the costs of travel and accommodations.

(5) Clinical practice may include shift and weekend rotations.

134.2.2 Course Sequence

Course sequence for students transferring from the BScN—Collaborative Program:

Note: Students will follow the course sequence for the BScN—Collaborative Program in Year 1 and Year 2.

Sequence A

Year 3

Two Term

NURS 399 (★3)

Fall Term

NURS 307 (★6)

NURS 308 (★6)

Winter Term

NURS 405 (★6)

NURS 406 (★6)

<p>NURS 409 (★3) NURS 499 (★6) (see Note 2) Winter Term NURS 494 (★3) (4 weeks) (see Note 3) NURS 495 (★9) (10 weeks)</p> <p>Sequence B</p> <p>Year 3</p> <hr/> <p>Two Term NURS 399 (★3) Fall Term NURS 309 (★6) NURS 310 (★6) Winter Term NURS 407 (★6) NURS 408 (★6)</p> <p>Year 4 (see Note 1)</p>	<p>Year 4 (see Note 1)</p> <hr/> <p>Fall Term NURS 407 (★6) NURS 408 (★6) NURS 409 (★3) NURS 499 (★6) (see Note 2) Winter Term NURS 494 (★3) (4 weeks) (see Note 3) NURS 495 (★9) (10 weeks)</p> <p>Sequence B</p> <p>Year 3</p> <hr/> <p>Two Term NURS 399 (★3) Fall Term NURS 309 (★6) NURS 310 (★6) Winter Term NURS 407 (★6) NURS 408 (★6)</p> <p>Year 4 (see Note 1)</p>
<p>Fall Term NURS 405 (★6) NURS 406 (★6) NURS 409 (★3) NURS 499 (★6) (see Note 2) Winter Term NURS 494 (★3) (4 weeks) (see Note 3) NURS 495 (★9) (10 weeks)</p> <p>Notes</p> <p>(1) To proceed to Year 4, all courses listed in Year 3 of the program must have been successfully completed.</p> <p>(2) All NURS 499 requirements must be completed prior to Winter Term of Year 4.</p> <p>(3) To proceed with NURS 494, students must have completed all courses of the Honors Program except the corequisite NURS 495.</p>	<p>Fall Term NURS 405 (★6) NURS 406 (★6) NURS 409 (★3) NURS 499 (★6) (see Note 2) Winter Term NURS 494 (★3) (4 weeks) (see Note 3) NURS 495 (★9) (10 weeks)</p> <p>Notes</p> <p>(1) To proceed to Year 4, all courses listed in Year 3 of the program must have been successfully completed.</p> <p>(2) All NURS 499 requirements must be completed prior to Winter Term of Year 4.</p> <p>(3) To proceed with NURS 494, students must have completed all courses of the Honors Program except the corequisite NURS 495.</p> <p><u>Course Sequence for After Degree Students:</u> <u>Note: The BScN—Honors Program is only offered in Edmonton.</u></p> <hr/> <p><u>Year 1 (see Note 1)</u></p> <hr/> <p><u>Two Term</u> <u>NURS 399 (★3)</u> <u>Fall Term</u> <u>NURS 113 (★3)</u> <u>NURS 301 (★3) (see Note 2)</u> <u>NURS 303 (★6)</u> <u>NURS 304 (★1)</u></p>

<p style="text-align: center;">Promotion Requirements</p> <p>Promotion from year to year requires a minimum GPA of 3.0 on all courses taken during the Fall/Winter and Spring/Summer. Students who do not meet this requirement, but have a GPA of 2.0 are required to transfer back into the BScN—Collaborative Program.</p> <p style="text-align: center;">Graduation Requirements</p> <p>(1) Graduation with Honors requires a GPA of 3.0 on the last ★60. Students who are not recommended for graduation with Honors at the end of their fourth year may be granted the BScN degree if they meet the minimum</p>	<p><u>NURS 305 (★4)</u> <u>Winter Term</u> <u>NURS 215 (★3)</u> <u>NURS 307 (★6)</u> <u>NURS 308 (★6)</u> <u>Spring/Summer</u> <u>NURS 309 (★6)</u> <u>NURS 310 (★6)</u> <u>Year 2 (see Notes 1 and 3)</u></p> <hr/> <p><u>Two Term</u> <u>INT D 410 (★3)</u> <u>Fall Term</u> <u>NURS 407 (★6)</u> <u>NURS 408 (★6)</u> <u>NURS 409 (★3)</u> <u>NURS 499 (★6) (see Note 4)</u> <u>Winter Term</u> <u>NURS 405 (★6)</u> <u>NURS 406 (★6)</u> <u>Spring/Summer</u> <u>NURS 494 (★3) (see Note 5)</u> <u>NURS 495 (★9)</u></p> <p><u>Notes</u></p> <p>(1) <u>Courses may be configured differently depending on clinical placement availability.</u></p> <p>(2) <u>Students must complete NURS 301 prior to Winter Term of Year 1.</u></p> <p>(3) <u>To proceed to Year 2, all courses listed in Year 1 of the program must have been successfully completed.</u></p> <p>(4) <u>All NURS 499 requirements must be completed prior to Winter Term of Year 2.</u></p> <p>(5) <u>To proceed with NURS 494, students must have passed all courses of the Honors Program except the corequisite NURS 495.</u></p> <p style="text-align: center;">Promotion Requirements</p> <p>Promotion from year to year requires a minimum GPA of 3.0 on all courses taken during the Fall/Winter and Spring/Summer. Students who do not meet this requirement, but have a GPA of 2.0 are required to transfer back into the BScN—Collaborative Program or BScN After Degree Program.</p> <p style="text-align: center;">Graduation Requirements</p> <p>(1) Graduation with Honors requires a GPA of 3.0 on the last ★60. Students who are not recommended for graduation with Honors at the end of their <u>program</u> may be granted the BScN degree if they meet the minimum</p>
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<p>requirements for this degree (see §134.1).</p> <p>(2) Graduation with First-Class Honors: Graduation with First-Class Honors requires a GPA of 3.5 or higher on the last ★60 taken for credit toward the degree and that no failing grades are incurred throughout the program.</p>	<p>requirements for this degree (see §134.1 and §134.3).</p> <p>(2) Graduation with First-Class Honors: Graduation with First-Class Honors requires a GPA of 3.5 or higher on the last ★60 taken for credit toward the degree and that no failing grades are incurred throughout the program.</p>
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OUTLINE OF ISSUE

 Agenda Title: **Proposed Changes to existing Admission Requirements for High School Applicants**

Motion: THAT Academic Standards Committee recommend, under delegated authority from General Faculties Council, that the GFC Academic Planning Committee approve, under delegated authority from General Faculties Council, the proposed changes to existing admission requirements as submitted by the Office of the Registrar, and as set forth in Attachment 1, for implementation in 2017-2018 (with publication in the University Calendar in 2016-2017).

Item

Action Requested	<input type="checkbox"/> Approval <input checked="" type="checkbox"/> Recommendation <input type="checkbox"/> Discussion/Advice <input type="checkbox"/> Information
Proposed by	Lisa Collins, Vice-Provost and University Registrar
Presenter	Sam Stowe, Associate Registrar, Office of the Registrar
Subject	Proposed changes to classification of high school courses used for admission to undergraduate programs

Details

Responsibility	Provost and Vice-President (Academic)
The Purpose of the Proposal is (please be specific)	To approve proposed changes which will allow students to use Aboriginal Studies 30 with Social Studies 30-1 on an admission, and clarify that only 5 credit courses will be used for admission purposes.
The Impact of the Proposal is	See above.
Replaces/Revises (eg, policies, resolutions)	<i>University Calendar</i> Admission Chart 1, Classification of High School Courses Used for Admission; Admission Chart 3 Substitution of High School-Level Course Requirements; Section 14.3.3 Transition Year Program for Aboriginal Applicants; 16.13 Faculty of Physical Education and Recreation; 16.13.2 Bachelor of Science in Kinesiology (BScKin); 16.13.3 Combined Bachelor of Kinesiology/Bachelor of Education (BKin/BEd) (Elementary or Secondary Routes); 16.13.4 Bachelor of Arts in Recreation, Sport and Tourism (BARST); 16.15.1 Bachelor of Science (BSc) (General); 16.15.3 BSc (Honors); 16.15.4 Bachelor of Science (Specialization)
Timeline/Implementation Date	For implementation in 2017-2018 (with publication in the University Calendar in 2016-2017).
Estimated Cost	N/A
Sources of Funding	N/A
Notes	

Alignment/Compliance

Alignment with Guiding Documents	Dare to Discover, Dare to Deliver
Compliance with Legislation, Policy and/or Procedure Relevant to the Proposal (please quote legislation and include identifying section numbers)	<ol style="list-style-type: none"> Post-Secondary Learning Act (PSLA): The PSLA gives GFC responsibility, subject to the authority of the Board of Governors, over academic affairs. Further, the PSLA gives the Board of Governors authority over certain admission requirements and rules respecting enrolment. The Board has delegated its authority over admissions requirements and rules respecting enrolment to GFC and the GFC ASC (Academic Standards Committee). (Sections 26(1), 60(1)(c) and (d)).

**2. GFC Academic Standards Committee (ASC) Terms of Reference
(3. Mandate of the Committee):**

A. Definitions

ii. "*Substantial*"

[...]"the term "substantial" refers to proposals which involve or affect more than one Faculty or unit; are part of a proposal for a new program; are likely to have a financial impact; represent a definite departure from current policy; involve a quota; articulate a new academic concept."

B. Admission and Transfer, Academic Standing, Marking and Grading, Term Work, Examinations, International Baccalaureate (IB), Advanced Placement (AP)

iv. "ASC provides advice or recommends to the GFC Academic Planning Committee (APC) on proposals which involve substantial change to admission/transfer regulations or academic standing regulations."

3. UAPPOL Admissions Policy:

"Admission to the University of Alberta is based on documented academic criteria established by individual Faculties and approved by GFC. This criteria may be defined in areas such as subject requirements, minimum entrance averages, and language proficiency requirements. In addition to academic requirements for admission, GFC authorizes each Faculty to establish such other reasonable criteria for admission of applicants as the Faculty may consider appropriate to its programs of study, subject to the approval of GFC (e.g. interview, audition, portfolio, etc.)

The admission requirements for any Faculty will be those approved by GFC as set forth in the current edition of the *University Calendar*. In addition to the admission requirements, selection criteria for quota programs, where they exist, will also be published in the current edition of the *University Calendar*.

The responsibility for admission decisions will be vested in the Faculty Admission Committees or in the Deans of the respective Faculties, as the councils of such Faculties will determine."

3. UAPPOL Admissions Procedure:

"PROCEDURE

1. EFFECTIVE DATE OF CHANGES TO ADMISSION REGULATIONS

Following approval by GFC:

a. Where changes to admission regulations may disadvantage students in the current admission cycle, normally implementation will be effective after the change has been published in the *University Calendar* for one full year (i.e., effective the second year that the information is published in the *University Calendar*).

Item No. 6

	<p>For example, a change approved in May 2005 would be first published in the 2006-2007 <i>University Calendar</i> in March 2006. Therefore the statement cannot come into effect until September 2007 (affecting applicants who apply for the September 2007 term beginning July 2006).” b. Where changes to admission regulations are deemed by the approving body to be “advantageous to students”, normally the date of implementation will be effective immediately or at the next available intake for the admitting Faculty.”</p> <p>4. GFC Academic Planning Committee Terms of Reference (3. Mandate of the Committee)</p> <p>“7. Admission, Transfer and Academic Standing</p> <p>a. To consider advice or recommendation from the GFC ASC on proposals for the establishment of or change to general University admission or transfer policies affecting students, including policies affecting Open Studies students, and to act for GFC in approving policies which in APC’s view are minor or routine; and to recommend to GFC on proposals involving major change.</p> <p>b. To consider advice or recommendation from GFC ASC on proposals which involve substantial change to admission/transfer regulations or to academic standing regulations.”</p>
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Routing (Include meeting dates)

<p>Participation: (parties who have seen the proposal and in what capacity)</p> <ul style="list-style-type: none"> • Those who have been informed • Those who have been consulted • Those who are actively participating 	<p>November 27, 2015 Advisory Committee on Enrolment Management (ACEM) meeting (Consultation) Transition Year Program Coordinator Nat Kav, Vice-Provost (Academic Programs and Instruction) Office of the Provost and Vice-President Academic (consultation)</p>
<p>Approval Route (Governance) (including meeting dates)</p>	<p>GFC Academic Standards Committee, December 17, 2015 GFC Academic Planning Committee – January 13, 2016</p>
<p>Final Approver</p>	<p>GFC Academic Planning Committee – January 13, 2016</p>

1. Attachment 1 (page(s) 1 - 8) Calendar Changes

Prepared by: Kate Peters, Portfolio Initiatives Manager, Office of the Provost and Vice-President (Academic)
peters3@ualberta.ca

Office of the Registrar
2016-2017 Calendar changes

Current

Admissions Chart 1 Classification of High School Courses Used for Admission

Grade 12 courses listed below are based on the Alberta Education curriculum and nomenclature. Prospective students who completed high school education outside Alberta should review the Admission Course Equivalents for acceptable high school courses in the three categories at www.admissions.ualberta.ca. English Language Proficiency is an admission requirement for all Faculties, with the exception of Faculté Saint-Jean which requires French (see §13.3.1). In addition to English Language Arts 30-1, acceptable Alberta academic Grade 12 courses have been placed in three groups below. Faculties may accept other Grade 12 courses not contained in these three groups. Please see Faculty admission requirements (§16) for each program of study for further information. If Final Grade 12 marks are not available at the time when an admission decision is made, marks from Final Grade 11 or Interim Grade 12 prerequisites to the following courses may be used.

Grade 12 Courses		
<p>Group A (Humanities/Social Sciences, Languages other than English) Social Studies 30-1 30-level Language other than English (see Notes 1, 2 and 3) Aboriginal Studies 30 (cannot be used for admission with Social Studies 30-1)</p>	<p>Group B (Fine Arts) Applied Graphic Arts 35 Art 30 Art 31 Communication Technology Advanced Level-Career and Technology Studies (CTS) (5 credits) Dance 35 Drama 30 Music 30 [Choral, Instrumental or General (5 credits)] (see Note 4) Music 35 Musical Theatre 35 Performing Arts 35 A, B, or C Additional Fine Arts courses may be considered. For more information, contact the Admissions Division, Office of the Registrar.</p>	<p>Group C (Maths/Sciences) Biology 30 Chemistry 30 Mathematics 30-1 Mathematics 30-2 (see Note 5) Mathematics 31 Physics 30 Science 30 Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) (5 credits)</p>

Notes

- Any one French 30 (3 year or 9 year), French 31A, 31B, 31C; French Language Arts 20-1, 30-1, 30-2; Français 20-1, 30-1, 30-2 may be used as a 30-level Language course for admission purposes. In the case of French Language Arts 30-1, Français 30-1, and French 31A, 31B, or 31C, advanced placement may be granted upon application. Applicants to Faculté Saint-Jean must present one of French 30 (9 year), French 31A, 31B, 31C; French Language Arts 30-1, 30-2; Français 30-1, 30-2, to meet the French requirement for admission purposes.
- Blackfoot Language and Culture 30; Cree Language and Culture 30; Chinese Language Arts 20, 30; Chinese Language and Culture 30; German Language Arts 20, 30; German Language and Culture 30; Italian Language and Culture 30; Japanese Language and Culture 30; Latin 30; Spanish Language Arts 20, 30; Spanish Language and Culture 30; Ukrainian Language Arts 20, 30; and Ukrainian Language and Culture 30 may be used as 30-level Language courses for admission. There are a number of 35-level, locally developed language courses which may also be used for admission. Applicants wishing to present a 35-level Language course should contact the Admissions Division, Office of the Registrar.
- Applicants wishing to present a language other than one of those presented at the Grade 12 level in Alberta should contact the Admissions Division, Office of the Registrar.
- Equivalents of Music 30: Conservatory Canada, Grade 8 Practical and Grade IV Theory; Royal Conservatory of Music of Toronto, Grade 8 Practical, Grade II Theory, Mount Royal University, Grade 8 Practical and Grade II Theory. Documents must be presented to Alberta Education for evaluation.
- Mathematics 30-2 will be accepted as a Group C admission subject to some programs. For further information, please see Faculty admission requirements (§16) for each program of study.

Proposed

Admissions Chart 1 Classification of High School Courses Used for Admission

Grade 12 courses listed below are based on the Alberta Education curriculum and nomenclature.

- In addition to English Language Arts 30-1, acceptable Alberta academic Grade 12 courses have been placed in three groups below.
- Prospective students who completed high school education outside Alberta should review the Provincial Admission Course Equivalents for acceptable high school courses in the three categories at www.admissions.ualberta.ca.
- English Language Proficiency is an admission requirement for all Faculties, with the exception of Faculté Saint-Jean which requires French (see §13.3.1).
- Faculties may accept other Grade 12 courses not contained in these three groups. Please see Faculty admission requirements (§16) for each program of study for further information.
- Only 5-credit courses will be used for admission purposes.
- If Final Grade 12 marks are not available at the time when an admission decision is made, marks from Final Grade 11 or Interim Grade 12 prerequisites to the following courses may be used.

Grade 12 Courses		
Group A (Humanities/Social Sciences, Languages other than English) Social Studies 30-1 30-level Language other than English Aboriginal Studies 30	Group B (Fine Arts) Applied Graphic Arts 35 Art 30 Art 31 Communication Technology Advanced Level-Career and Technology Studies (CTS) Dance 35 Drama 30 Music 30 [Choral, Instrumental or General (see Note 2)] Music 35 Musical Theatre 35 Performing Arts 35 A, B, or C Additional Fine Arts courses may be considered. For more information, contact the Admissions Division, Office of the Registrar.	Group C (Maths/Sciences) Biology 30 Chemistry 30 Mathematics 30-1 Mathematics 30-2 (see Note 5) Mathematics 31 Physics 30 Science 30 Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS)

Notes

1. Applicants wishing to present either a 35-level Language or a language other than one of those presented at the Grade 12 level in Alberta should contact the Admissions Unit, Office of the Registrar.
2. Equivalents of Music 30: Conservatory Canada, Grade 8 Practical and Grade IV Theory; Royal Conservatory of Music of Toronto, Grade 8 Practical, Grade II Theory, Mount Royal University, Grade 8 Practical and Grade II Theory. Documents must be presented to Alberta Education for evaluation.
3. Mathematics 30-2 will be accepted as a Group C admission subject to some programs. For further information, please see Faculty admission requirements (§16) for each program of study.
4. If Final Grade 12 marks are not available at the time when an admission decision is made, marks from Final Grade 11 or Interim Grade 12 prerequisites to the following courses may be used.

Current

Admission Chart 3 Substitution of High School-Level Course Requirements

Admissions Chart 3 sets out the transferable postsecondary credit which will be substituted in cases where applicants do not present, for the programs to which applications are being made, the appropriate High School-level courses based on the Alberta Education curriculum. Prospective students who completed high school education from outside Alberta should review the Admission Course Equivalents for acceptable high school courses in the three categories at www.admissions.ualberta.ca.

Grade 12 Courses	Group A	Group B	Group C
	English Language Arts 30-1 30-level Language other than English Social Studies 30-1	Applied Graphic Arts 35 Art 30 Art 31 Communication Technology Advanced Level-Career and Technology Studies (CTS) (5 credits) Dance 35 Drama 30 Music 30 (Choral, Instrumental or General) (5 credits) Music 35 Musical Theatre 35 Performing Arts 35 A, B, or C	Mathematics 30-1 Mathematics 31 Chemistry 30 Physics 30 Biology 30 Science 30 Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) (5 credits)
Number of Transferable Postsecondary Credits	Group A	Group B	Group C
	English (*3) Language other than English (*3) Humanities or Social Sciences (*3)	Fine Arts (*3) as 1-10 above	Mathematics (Algebra) (*3) Mathematics (Calculus) (*3) Chemistry (*3) Physics (*3) Biology (includes Botany, Genetics, Microbiology, Zoology) (*3) Any Science course (*3) Any Computing Science course (*3)

Proposed

Admission Chart 3 Substitution of High School-Level Course Requirements

Admissions Chart 3 sets out the transferable postsecondary credit which will be substituted in cases where applicants do not present, for the programs to which applications are being made, the appropriate High School-level courses based on the Alberta Education curriculum. Prospective students who completed high school education from outside Alberta should review the **Provincial Admission Course Equivalents** for acceptable high school courses in the three categories at www.admissions.ualberta.ca. **Only 5-credit courses will be used for admission purposes.**

Grade 12 Courses	Group A	Group B	Group C
	English Language Arts 30-1 30-level Language other than English Social Studies 30-1	Applied Graphic Arts 35 Art 30 Art 31 Communication Technology Advanced Level-Career and Technology Studies (CTS) Dance 35 Drama 30 Music 30 (Choral, Instrumental or General) Music 35 Musical Theatre 35 Performing Arts 35 A, B, or C	Mathematics 30-1 Mathematics 31 Chemistry 30 Physics 30 Biology 30 Science 30 Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS)
Number of Transferable Postsecondary Credits	Group A	Group B	Group C
	English (*3) Language other than English (*3) Humanities or Social Sciences (*3)	Fine Arts (*3) as 1-10 above	Mathematics (Algebra) (*3) Mathematics (Calculus) (*3) Chemistry (*3) Physics (*3) Biology (includes Botany, Genetics, Microbiology, Zoology) (*3) Any Science course (*3) Any Computing Science course (*3)

Current	Proposed
<p>14.3.3 Transition Year Program for Aboriginal Applicants The University of Alberta encourages Aboriginal students to apply for entrance to its degree programs through the normal admission categories as detailed in §16. Prospective students who do not meet these requirements may be eligible for admission by successfully completing a Transition Year Program. The Aboriginal Student Services Centre, in conjunction with several Faculties, administers these Transition Year Programs. These separate streams give Aboriginal students the opportunity to excel in the academic courses within their chosen Faculty and assist them to integrate into the campus community. Students admitted to a Transition Year Program will take a combination of degree credit courses and tutorial, support classes. Admission into a degree program via this particular route is a two-step process. Applicants must first be admitted into a Transition Year Program, perform satisfactorily on all courses during the program, and then apply the following year for admission to the degree program. The admission requirements follow. For more information about the Transition Year Program, contact Aboriginal Student Services Centre, 2-400 Students' Union Building University of Alberta, Edmonton, Alberta, T6G 2J7; (780) 492-5677 assc.reception@ualberta.ca or visit the website at www.aboriginalservices.ualberta.ca. (1) Admission to a Transition Year Program Note: This program requires the payment of additional miscellaneous fees. See §22.2.3 for details.</p> <p>No changes until...</p> <p>9) Science i. English Language Arts 30-1 ii. Mathematics 30-1 iii. Two of: Biology 30; Chemistry 30; Physics 30; Mathematics 31; Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) (5 credits)</p>	<p>14.3.3 Transition Year Program for Aboriginal Applicants The University of Alberta encourages Aboriginal students to apply for entrance to its degree programs through the normal admission categories as detailed in §16. Prospective students who do not meet these requirements may be eligible for admission by successfully completing a Transition Year Program. The Aboriginal Student Services Centre, in conjunction with several Faculties, administers these Transition Year Programs. These separate streams give Aboriginal students the opportunity to excel in the academic courses within their chosen Faculty and assist them to integrate into the campus community. Students admitted to a Transition Year Program will take a combination of degree credit courses and tutorial, support classes. Admission into a degree program via this particular route is a two-step process. Applicants must first be admitted into a Transition Year Program, perform satisfactorily on all courses during the program, and then apply the following year for admission to the degree program. The admission requirements follow. For more information about the Transition Year Program, contact Aboriginal Student Services Centre, 2-400 Students' Union Building University of Alberta, Edmonton, Alberta, T6G 2J7; (780) 492-5677 assc.reception@ualberta.ca or visit the website at www.aboriginalservices.ualberta.ca. (1) Admission to a Transition Year Program Note: This program requires the payment of additional miscellaneous fees. See §22.2.3 for details.</p> <p>No changes until...</p> <p>9) Science i. English Language Arts 30-1 ii. Mathematics 30-1 iii. Two of: Biology 30; Chemistry 30; Physics 30; Mathematics 31; Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) Note: Only 5-credit courses will be used for admission purposes.</p>
<p>16.13 Faculty of Physical Education and Recreation Admission into all programs is limited due to available resources. Although selection procedures vary with the degree program, in general the emphasis will be on academic standing with preference being given to those applicants with the highest standing. Students enrolled in courses offered by the Faculty of Physical Education and Recreation must take responsibility for ensuring that they are physically and medically fit to be taking the course. If a student has a physical or medical condition that may compromise their physical participation and ability to meet requirements of the course, it is the student's responsibility to inform the instructor of the particular course in which they are enrolled. Students may contact the Faculty for further information on physical activity requirements and are encouraged to seek medical advice if necessary. 16.13.1 Kinesiology (BKin) I. High School Applicants Applicants must present a minimum average of 70% or</p>	<p>16.13 Faculty of Physical Education and Recreation Admission into all programs is limited due to available resources. Although selection procedures vary with the degree program, in general the emphasis will be on academic standing with preference being given to those applicants with the highest standing. Students enrolled in courses offered by the Faculty of Physical Education and Recreation must take responsibility for ensuring that they are physically and medically fit to be taking the course. If a student has a physical or medical condition that may compromise their physical participation and ability to meet requirements of the course, it is the student's responsibility to inform the instructor of the particular course in which they are enrolled. Students may contact the Faculty for further information on physical activity requirements and are encouraged to seek medical advice if necessary. 16.13.1 Kinesiology (BKin) I. High School Applicants Applicants must present a minimum average of 70% or</p>

equivalent based on the following subject requirements. Possession of this minimum average does not guarantee admission to the program.

Subject Requirements

- (1) English Language Arts 30-1 (grade of at least 60%)
- (2) Subject from Group A or C
- (3) Subject from Group A or C
- (4) Subject from Group C
- (5) Subject from Group B, C, or Physical Education 30 (5 credit), or Recreation Leadership (REC) Advanced Level-Career and Technology Studies (CTS) (5 credits).

[...]

16.13.2 Bachelor of Science in Kinesiology (BScKin)

I. High School Applicants

Applicants must present a minimum average of 70% or equivalent based on the following subject requirements. Possession of this minimum average does not guarantee admission to the program.

Subject Requirements

- (1) English Language Arts 30-1 (grade of at least 60%)
- (2) Chemistry 30
- (3) Mathematics 30-1
- (4) Physics 30
- (5) Biology 30 or Physical Education 30 (5 credit), or Recreation Leadership (REC) Advanced Level-Career and Technology Studies (CTS) (5 credits).

[...]

16.13.3 Combined Bachelor of Kinesiology/Bachelor of Education (BKin/BEEd) (Elementary or Secondary Routes)

To gain admission to the first three years of the Combined Degrees program, students apply for admission to the Faculty of Physical Education and Recreation.

I. High School Applicants

Applicants must present a minimum average of 70% or equivalent based on the following subject requirements. Possession of this minimum average does not guarantee admission to the program.

Subject Requirements

- (1) English Language Arts 30-1 (grade of at least 60%)
- (2) Subject from Group A or C
- (3) Subject from Group A or C
- (4) Subject from Group C
- (5) Subject from Group B, C, or Physical Education 30 (5 credit), or Recreation Leadership (REC) Advanced Level-Career and Technology Studies (CTS) (5 credits).

[...]

16.13.4 Bachelor of Arts in Recreation, Sport and Tourism (BARST)

I. High School Applicants

Applicants must present a minimum average of 70% or equivalent based on the following subject requirements. Possession of this minimum average does not guarantee admission to the program.

Subject Requirements

equivalent based on the following subject requirements. Possession of this minimum average does not guarantee admission to the program.

Subject Requirements

- (1) English Language Arts 30-1 (grade of at least 60%)
- (2) Subject from Group A or C
- (3) Subject from Group A or C
- (4) Subject from Group C
- (5) Subject from Group B, C, or Physical Education 30 (5-credit), or Recreation Leadership (REC) Advanced Level-Career and Technology Studies (CTS).

Note: Only 5-credit courses will be used for admission purposes.

[...]

16.13.2 Bachelor of Science in Kinesiology (BScKin)

I. High School Applicants

Applicants must present a minimum average of 70% or equivalent based on the following subject requirements. Possession of this minimum average does not guarantee admission to the program.

Subject Requirements

- (1) English Language Arts 30-1 (grade of at least 60%)
- (2) Chemistry 30
- (3) Mathematics 30-1
- (4) Physics 30
- (5) Biology 30 or Physical Education 30, or Recreation Leadership (REC) Advanced Level-Career and Technology Studies (CTS).

Note: Only 5-credit courses will be used for admission purposes.

[...]

16.13.3 Combined Bachelor of Kinesiology/Bachelor of Education (BKin/BEEd) (Elementary or Secondary Routes)

To gain admission to the first three years of the Combined Degrees program, students apply for admission to the Faculty of Physical Education and Recreation.

I. High School Applicants

Applicants must present a minimum average of 70% or equivalent based on the following subject requirements. Possession of this minimum average does not guarantee admission to the program.

Subject Requirements

- (1) English Language Arts 30-1 (grade of at least 60%)
- (2) Subject from Group A or C
- (3) Subject from Group A or C
- (4) Subject from Group C
- (5) Subject from Group B, C, or Physical Education 30, or Recreation Leadership (REC) Advanced Level-Career and Technology Studies (CTS).

Note: Only 5-credit courses will be used for admission purposes.

[...]

16.13.4 Bachelor of Arts in Recreation, Sport and Tourism (BARST)

I. High School Applicants

Applicants must present a minimum average of 70% or equivalent based on the following subject requirements. Possession of this minimum average does not guarantee admission to the program.

Subject Requirements

<p>(1) English Language Arts 30-1 (grade of at least 60%) (2) Subject from Group A or C (3) Subject from Group A or B (4) Subject from Group C (Biology 30 recommended) (5) Subject from Group A, C, or Physical Education 30 (5-credit), or Recreation Leadership (REC) Advanced Level-Career and Technology Studies (CTS) (5 credits).</p>	<p>(1) English Language Arts 30-1 (grade of at least 60%) (2) Subject from Group A or C (3) Subject from Group A or B (4) Subject from Group C (Biology 30 recommended) (5) Subject from Group A, C, or Physical Education 30, or Recreation Leadership (REC) Advanced Level-Career and Technology Studies (CTS). Note: Only 5-credit courses will be used for admission purposes.</p>
<p>16.15.1 Bachelor of Science (BSc) (General) I. High School Applicants High school applicants will be considered for admission based on their average on the required five admission subjects outlined below. See §14.1 for minimum grade and admission average requirements. Note: Students should be aware that their chosen program may contain courses for which there are specific Grade 12 prerequisites that must be met in addition to the subjects used for admission. Please see uofa.ualberta.ca/science/programs/undergraduate/admission-to-science/high-school-admission/course-pre-requisites for more information. Required Admission Subjects (1) English Language Arts 30-1. (2) Mathematics 30-1. (3) Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) (5 Credits). (4) Subject from Group A, B, or C</p> <p>II. Nonmatriculated Applicants Nonmatriculated applicants are considered for admission based on their average on the three admission subjects noted below. Required Admission Subjects (1) Mathematics 30-1. (2) Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) (5 Credits). (3) Presentation of Faculty competitive average on (1) and (2). (4) Presentation of no more than *6 of postsecondary level course work. Any applicant who has completed more than *6 of postsecondary level course work will be considered a transfer applicant. (5) Presentation of minimum AGPA if any postsecondary level course work is presented.</p> <p>[...] 16.15.3 BSc (Honors) Admission to the first year of an Honors program requires a minimum application average of 80% on the required five admission subjects outlined below. Note: Students should be aware that their chosen program may contain courses for which there are specific Grade 12 prerequisites that must be met in addition to the subjects used for admission. Please see uofa.ualberta.ca/science/programs/undergraduate/admission-to-science/high-school-admission/course-pre-requisites for more information. Unless otherwise stated in Admission Chart 7, the required admission subjects for the BSc (Honors) are: (1) English Language Arts 30-1. (2) Mathematics 30-1. (3) Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level-Career and</p>	<p>16.15.1 Bachelor of Science (BSc) (General) I. High School Applicants High school applicants will be considered for admission based on their average on the required five admission subjects outlined below. See §14.1 for minimum grade and admission average requirements. Note: Students should be aware that their chosen program may contain courses for which there are specific Grade 12 prerequisites that must be met in addition to the subjects used for admission. Please see uofa.ualberta.ca/science/programs/undergraduate/admission-to-science/high-school-admission/course-pre-requisites for more information. Required Admission Subjects (1) English Language Arts 30-1. (2) Mathematics 30-1. (3) Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS). (4) Subject from Group A, B, or C Note: Only 5-credit courses will be used for admission purposes.</p> <p>II. Nonmatriculated Applicants Nonmatriculated applicants are considered for admission based on their average on the three admission subjects noted below. Required Admission Subjects (1) Mathematics 30-1. (2) Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS). (3) Presentation of Faculty competitive average on (1) and (2). (4) Presentation of no more than *6 of postsecondary level course work. Any applicant who has completed more than *6 of postsecondary level course work will be considered a transfer applicant. (5) Presentation of minimum AGPA if any postsecondary level course work is presented. Note: Only 5-credit courses will be used for admission purposes</p> <p>[...] 16.15.3 BSc (Honors) Admission to the first year of an Honors program requires a minimum application average of 80% on the required five admission subjects outlined below. Note: Students should be aware that their chosen program may contain courses for which there are specific Grade 12 prerequisites that must be met in addition to the subjects used for admission. Please see uofa.ualberta.ca/science/programs/undergraduate/admission-to-science/high-school-admission/course-pre-requisites for more information. Unless otherwise stated in Admission Chart 7, the required admission subjects for the BSc (Honors) are: (1) English Language Arts 30-1. (2) Mathematics 30-1. (3) Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level-Career and</p>

<p>Technology Studies (CTS) (5 Credits). (4) Subject from Group A, B, or C</p> <p>Students need not apply to Honors or Specialization in the first year and may instead apply to the BSc (General Science) program and take *18-*30 (in each Fall/Winter) and an appropriate selection of courses as required by the regulations of their desired Honors or Specialization four-year program. Students may then apply in any subsequent year for transfer into an Honors or Specialization program by submitting an Application for Readmission and Internal Transfer to the Office of the Registrar by the application deadline. Admission beyond first year requires a minimum GPA and course load in each of the preceding Fall/Winters (refer to Admission Chart 7 for specific details for each program).</p> <p>16.15.4 Bachelor of Science (Specialization) Admission to the first year of a Specialization program requires a minimum application average of 75% on the required five admission subjects outlined below. Note: Students should be aware that their chosen program may contain courses for which there are specific Grade 12 prerequisites that must be met in addition to the subjects used for admission. Please see uofa.ualberta.ca/science/programs/undergraduate/admission-to-science/high-school-admission/course-pre-requisites for more information. Unless otherwise stated in Admission Chart 7, the required admission subjects for the BSc (Specialization) are: (1) English Language Arts 30-1. (2) Mathematics 30-1. (3) Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) (5 Credits). (4) Subject from Group A, B, or C</p>	<p>Technology Studies (CTS). (4) Subject from Group A, B, or C Note: Only 5-credit courses will be used for admission purposes.</p> <p>Students need not apply to Honors or Specialization in the first year and may instead apply to the BSc (General Science) program and take *18-*30 (in each Fall/Winter) and an appropriate selection of courses as required by the regulations of their desired Honors or Specialization four-year program. Students may then apply in any subsequent year for transfer into an Honors or Specialization program by submitting an Application for Readmission and Internal Transfer to the Office of the Registrar by the application deadline. Admission beyond first year requires a minimum GPA and course load in each of the preceding Fall/Winters (refer to Admission Chart 7 for specific details for each program).</p> <p>16.15.4 Bachelor of Science (Specialization) Admission to the first year of a Specialization program requires a minimum application average of 75% on the required five admission subjects outlined below. Note: Students should be aware that their chosen program may contain courses for which there are specific Grade 12 prerequisites that must be met in addition to the subjects used for admission. Please see uofa.ualberta.ca/science/programs/undergraduate/admission-to-science/high-school-admission/course-pre-requisites for more information. Unless otherwise stated in Admission Chart 7, the required admission subjects for the BSc (Specialization) are: (1) English Language Arts 30-1. (2) Mathematics 30-1. (3) Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS). (4) Subject from Group A, B, or C Note: Only 5-credit courses will be used for admission purposes.</p>
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