

The following Motions and Documents were considered by the GFC Academic Standards Committee at its May 16, 2013 meeting:

Agenda Title: **Faculty of Pharmacy and Pharmaceutical Sciences: Proposed Changes to Existing Admission Requirements**

APPROVED MOTION: THAT the GFC Academic Standards Committee approve, under delegated authority from General Faculties Council, proposed changes to existing admission requirements, as submitted by the Faculty of Pharmacy and Pharmaceutical Sciences and as set forth in Attachment A, to be effective in 2014-2015.

Final Item: 4A

Agenda Title: **Office of the Registrar: Course Approvals for May, 2013**

APPROVED MOTION: THAT the GFC Academic Standards Committee approve, under delegated authority from General Faculties Council, the proposal for approval of transfer credit, as submitted by the Office of the Registrar and as set forth in Attachment B, to take effect upon final approval.

Final Item: 4B

Agenda Title: **Faculté Saint-Jean: Proposed Changes to Existing Admission Requirements**

APPROVED MOTION: THAT the GFC Academic Standards Committee approve, under delegated authority from General Faculties Council, proposed changes to existing admission requirements, as submitted by Faculté Saint-Jean and as set forth in Attachment C, to be effective in 2013-2014.

Final Item: 4C

Agenda Title: **Faculty of Science: Proposed Changes to Existing Admission and Academic Standing Requirements**

APPROVED MOTION: THAT the GFC Academic Standards Committee approve, under delegated authority from General Faculties Council, proposed changes to existing admission and academic standing requirements, as submitted by the Faculty of Science and as set forth in Attachment D, to be effective in 2014-2015.

Final Item: 4D

Agenda Title: **Final Grade 11/Grade 12 Courses Required for Early Offers of Admission – Proposal from the Office of the Registrar**

APPROVED MOTION: THAT GFC Academic Standards Committee recommend to the GFC Academic Planning Committee the proposed changes to Section 13.5.1 (Early Offers of Admission) of the University Calendar, as submitted by the Office of the Registrar and as set forth in Attachment 1, as amended, to be effective for Fall 2014 and for inclusion in the 2014-2015 calendar.

Final Recommended Amended Item: 5

OUTLINE OF ISSUE

4A. Faculty of Pharmacy and Pharmaceutical Sciences: Proposed Changes to Existing Admission Requirements

4B. Office of the Registrar: Course Approvals for May, 2013

4C. Faculté Saint-Jean: Proposed Changes to Existing Admission Requirements

4D. Faculty of Science: Proposed Changes to Existing Admission and Academic Standing Requirements

Item

Action Requested	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Recommendation <input type="checkbox"/> Discussion/Advice <input type="checkbox"/> Information
Proposed by	Dion Brocks, Associate Dean (Undergraduate Student Affairs), Faculty of Pharmacy and Pharmaceutical Sciences; Ada Ness, Associate Registrar (Enrolment Services), Office of the Registrar; Brenda Leskiw, Senior Associate Dean (Student Services), Faculty of Science; Ed Blackburn, Acting Dean, Faculté Saint-Jean
Presenter	Bill Connor, 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 2014-2015. Item 4B: To take effect upon final approval. Item 4C: To take effect in 2013-2014. Item 4D: To take effect in 2014-2015.
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 the pursuit of truth.
Compliance with Legislation, Policy and/or Procedure Relevant to the Proposal	1. <i>Post-Secondary Learning Act (PSLA)</i> : 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

(please quote legislation and include identifying section numbers)

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. **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.”

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)

	<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> <p>[...]"</p> <p>9. GFC ASC Terms of Reference (Mandate): GFC ASC's delegated authority from GFC extends to the following:</p> <p>“a. 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.</p> <p>b. ASC denies courses for transfer credit to the University of Alberta which are offered by non-University institutions in Alberta.</p> <p>c. ASC monitors the entries in the Alberta Transfer Guide relevant to the University of Alberta.</p> <p>d. ASC rescinds, if necessary, the entries in the Alberta Transfer Guide relevant to the University of Alberta.” (3.D.i-iv.)</p> <p>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.”</p>
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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; Representatives of the Office of the Registrar
Approval Route (Governance) (including meeting dates)	GFC Academic Standards Committee (May 16, 2013) – for final approval
Final Approver	GFC Academic Standards Committee

Attachments:

- Attachment A (pages 1 – 4): Faculty of Pharmacy and Pharmaceutical Sciences
- Attachment B (page 1): Office of the Registrar
- Attachment C (pages 1 – 14): Faculté Saint-Jean
- Attachment D (pages 1 – 21): Faculty of Science

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Edmonton, Alberta, Canada T6G 1C9
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Calendar Change Request Form

Current University of Alberta Calendar Copy

12.7 Admission and Readmission Deadlines

Pharmacy and Pharmaceutical Sciences					
	Admission		Readmission		Other Requirements
	Application	Documents	Application	Documents	
BSc in Pharmacy					
Fall Term	March 1	June 15	March 1	June 15	Letter of Intent, March 1
Winter, Spring, and Summer Terms: No admission or readmission					
Special/Visiting					
Contact the Faculty office prior to applying.					

Proposed University of Alberta Calendar Copy

12.7 Admission and Readmission Deadlines

Pharmacy and Pharmaceutical Sciences					
	Admission		Readmission		Other Requirements
	Application	Documents	Application	Documents	
BSc in Pharmacy					
Fall Term	March 1	June 15	March 1	June 15	Letter of Intent, Interview (see 15.12.1) , March 1
Winter, Spring, and Summer Terms: No admission or readmission					
<u>Doctor of Pharmacy (PharmD)</u>					
Fall Term	September 1	September 15	September 1	September 15	Curriculum Vitae, Cover Letter, Letters of Reference, Interview (see 15.12.3) September 15
Winter, Spring, and Summer Terms: No admission or readmission					
Special/Visiting					
Contact the Faculty office prior to applying.					

Justification: Proposed Calendar Changes for 2013-2014.

Motion: THAT the GFC Academic Standards Committee approve, under delegated authority from General Faculties Council, proposed changes to existing admission requirements, as submitted by the Faculty of Pharmacy and Pharmaceutical Sciences and as set forth in Attachment A, to be effective in 2014-2015.

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Submitted by: Dion Brocks - Professor & Associate Dean Undergraduate Student Affairs <hr/> Printed Name <hr/> Signature May 8, 2013 <hr/> Date		Department Chair or Designee Approval: <hr/> <hr/> Date	
Faculty Approval:		<input type="checkbox"/> Curriculum Committee Original Date:	<input checked="" type="checkbox"/> Faculty Council Date: See 15.12.1 March 5, 2013

Calendar Change Request Form

Implementation: Normal Early

Type of Change: Program Regulations New Course Course Deletion Course Change Editorial

Current	Proposed
<p>15.12.1 BSc in Pharmacy</p> <p>I. Minimum Requirements The minimum requirements for admission to the Pharmacy Program are the satisfactory completion of ★ 30 of University transferable work, including:</p> <ol style="list-style-type: none"> (1) <u>General Chemistry (★6)</u> (2) <u>Organic Chemistry (★6)</u> (3) <u>English (which may include up to ★3 in Writing Studies) (★6)</u> (4) <u>Biology (Cell biology) (★3)</u> (5) <u>Biochemistry (★3)</u> (6) <u>Mathematics (Calculus) (★3)</u> (7) <u>Statistics (★3)</u> <p>II. Other Requirements</p> <ol style="list-style-type: none"> (1) Test of Spoken English (TSE): Applicants must meet a spoken English requirement. (See §13.3.2.) (2) Letter of Intent: Applicants must submit a letter with their application for admission stating their career goals, knowledge of the profession, related experience, and reasons for seeking admission to the Faculty of Pharmacy and Pharmaceutical Sciences. <p>Note: Applicants who have sequential high school background courses in Chemistry, English, Mathematics, and Biology will best be prepared to succeed in the Pre-pharmacy program.</p> <p>III. Selection Process</p> <ol style="list-style-type: none"> (1) The Admissions Committee has the responsibility of selecting from among the applicants those individuals who have demonstrated promise to successfully complete the program and gain licensure as pharmacists. Pharmacy has a quota of 130 places and admission is competitive. The number of applicants exceeds the number of available spaces and therefore not all qualified candidates will be offered admission. (2) Applicants are ranked primarily on academic achievement in the prerequisite courses. Other factors considered in ranking include overall academic achievement (emphasizing recent academic performance), a demonstrated ability to 	<p>15.12.1 BSc in Pharmacy</p> <p>I. Minimum Requirements The minimum requirements for admission to the Pharmacy Program are the satisfactory completion of ★ 30 of University transferable work, including:</p> <ol style="list-style-type: none"> (1) <u>General Chemistry (★6)</u> (2) <u>Organic Chemistry (★6)</u> (3) <u>English (which may include up to ★3 in Writing Studies) (★6)</u> (4) <u>Biology (Cell biology) (★3)</u> (5) <u>Biochemistry (★3)</u> (6) <u>Mathematics (Calculus) (★3)</u> (7) <u>Statistics (★3)</u> <p>II. Other Requirements</p> <ol style="list-style-type: none"> (1) Test of Spoken English (TSE): Applicants must meet a spoken English requirement. (See §13.3.2.) (2) Letter of Intent: Applicants must submit a letter with their application for admission stating their career goals, knowledge of the profession, related experience, and reasons for seeking admission to the Faculty of Pharmacy and Pharmaceutical Sciences. (3) Interview: A personal interview is required as part of the admission process. <p>Note: Applicants who have sequential high school background courses in Chemistry, English, Mathematics, and Biology will best be prepared to succeed in the Pre-pharmacy program.</p> <p>III. Selection Process</p> <ol style="list-style-type: none"> (1) The Admissions Committee has the responsibility of selecting from among the applicants those individuals who have demonstrated promise to successfully complete the program and gain licensure as pharmacists. Pharmacy has a quota of 130 places and admission is competitive. The number of applicants exceeds the number of available spaces and therefore not all qualified candidates will be offered admission. (2) Applicants are ranked primarily on academic achievement in the prerequisite courses. Other factors considered in ranking include overall academic achievement (emphasizing recent academic performance), a demonstrated ability to

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<p>perform well in a consecutive Fall/Winter session of full-time study (preferably *30 units), and a Letter of Intent. The Letter of Intent provides an opportunity for the applicant to convey career goals, knowledge of the profession, employment or volunteer experience, and other personal attributes that might be relevant for consideration by the Admissions Committee. Further detail regarding the Letter of Intent is available on the Faculty of Pharmacy website at www.pharm.ualberta.ca.</p>	<p>perform well in a consecutive Fall/Winter session of full-time study (preferably *30 units), a Letter of Intent, and a personal interview (see §15.12.1.2). The Letter of Intent provides an opportunity for the applicant to convey career goals, knowledge of the profession, employment or volunteer experience, and other personal attributes that might be relevant for consideration by the Admissions Committee. Further detail regarding the Letter of Intent and the Interview is available on the Faculty of Pharmacy website at www.pharm.ualberta.ca/Prospective_Students.aspx.</p>
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Rationale: To indicate the requirement for a personal interview in the BSc admissions process.

Notes: Changes to be made for the 2014-15 Calendar. **Implementation date:** Fall 2014

<p>Submitted by: Dion Brocks - Professor & Associate Dean Undergraduate Student Affairs</p> <p>August 15, 2012; January 4, 2013 Date</p>	<p>Approval:</p> <p>James P. Kehrer Dean March 5, 2013 Date</p>
<p>Faculty Approval:</p>	<p><input type="checkbox"/> Curriculum Committee Original Date: N/A</p> <p><input checked="" type="checkbox"/> Faculty Council Date: March 5, 2013</p>

Motion: THAT the GFC Academic Standards Committee approve, under delegated authority from GFC, the proposal for approval of transfer credit, as submitted by the Office of the Registrar and as set forth in Attachment B, to take effect upon final approval.

Proposal ID # and Sending Institution	Sending Institution Courses	UofA Courses	Transfer Agreement Footnotes	Comments
MEDICINE HAT COLLEGE				
132665	SOCI 305 (3)	SOC 2XX (3)	Student will not also receive credit for SOC 363 at UofA.	
RED DEER COLLEGE				
87095	PSYC 312 (6)	AUPSY 213/ 2XX (6)		RDC's PSYC 312 (6) was previously approved for PSYCO 212/ 2xx (6). Student will not also receive credit for STAT 141 or 151 at UofA. The new agreement will be: PSYC 312 (6) = PSYCO 212/ 2xx (6) OR AUPSY 213/ 2xx (6). Student will not also receive credit for STAT 141 or 151 at UofA.
YUKON COLLEGE				
132610	ATHA 101 (3)	NS 103 (3)		
132612	ATHA 101 (3)	NS 104 (3)		
132574	WGST 100 (3)	WGS1XX (3)		

Faculté Saint-Jean
Calendar Change Request Form
For Implementation in 2013-2014

Motion: THAT the GFC Academic Standards Committee approve, under delegated authority from General Faculties Council, proposed changes to existing admission requirements, as submitted by Faculté Saint-Jean and as set forth in Attachment C, to be effective in 2013-2014.

CURRENT	PROPOSED
<p>183.1.2 Conditions d'admission</p> <p>(1) Moyenne: Un candidat doit avoir obtenu un minimum de 70% de moyenne dans cinq matières appropriées de XIIe année ou l'équivalent.</p> <p>(2) Compétence dans la langue française: Le français est la langue d'enseignement dans tous les programmes à la Faculté Saint-Jean. Par conséquent, tous les candidats doivent posséder une connaissance adéquate du français oral et écrit pour être admis à la Faculté Saint-Jean. Les adultes qui ne répondent pas aux conditions d'admission et les étudiants libres sont tenus aux mêmes exigences que les autres candidats. Tous les candidats devront démontrer leur compétence dans la langue française avant d'être admis. Ils peuvent la démontrer par:</p> <p>a. la réussite d'un des cours suivants (Alberta):</p> <ul style="list-style-type: none"> - Français 30, 30-1, 30-2 - French 30, French 30 (9 ans), 31 - French Language Arts 30, 30-1, 30-2 <p>Note: French 30 (3 ans) peut être accepté sur la base du résultat du test de classement de français.</p> <p>OU</p> <p>b. par la réussite de quatre années d'études en français à temps plein. Ces études peuvent être une combinaison d'études secondaires et postsecondaires;</p> <p>c. en étant détenteur d'un premier diplôme d'une université accréditée où le français est la langue d'enseignement.</p> <p>Le détail des conditions d'admission aux divers programmes universitaires figure aux §§13–17 de l'annuaire de l'Université. Pour de plus amples renseignements, s'adresser au Bureau des admissions, Faculté Saint-Jean.</p> <p>Admission aux programmes du BA, du BEd, du BEd/BSc, du BSc, du BSc (science de l'environnement et de la conservation-bilingue) et BSc (science infirmière-bilingue)</p> <p>Baccalauréat ès arts</p> <p>(1) Un parmi French 30, French 30 (9 ans), 31; Français 30, 30-1, 30-2; French Language Arts 30, 30-1, 30-2. (Voir note 1).</p> <p>(2) Une langue de niveau 30 (autre que le français). (Pour les critères de compétence en anglais/langue seconde voir §183.1.14).</p> <p>(3) Trois matières parmi les groupe A, B et/ou C. Une seule matière</p>	<p>183.1.2 Conditions d'admission</p> <p>(1) Moyenne: Un candidat doit avoir obtenu un minimum de 70% de moyenne dans cinq matières appropriées de XIIe année ou l'équivalent.</p> <p>(2) Compétence dans la langue française: Le français est la langue d'enseignement dans tous les programmes à la Faculté Saint-Jean. Par conséquent, tous les candidats doivent posséder une connaissance adéquate du français oral et écrit pour être admis à la Faculté Saint-Jean. Les adultes qui ne répondent pas aux conditions d'admission et les étudiants libres sont tenus aux mêmes exigences que les autres candidats. Tous les candidats devront démontrer leur compétence dans la langue française avant d'être admis. Ils peuvent la démontrer par:</p> <p>a. la réussite d'un des cours suivants (Alberta):</p> <ul style="list-style-type: none"> - Français 30-1, 30-2 - French 30 (9 ans), 31 - French Language Arts 30-1, 30-2 <p>Note: French 30 (3 ans) peut être accepté sur la base du résultat d'un test de compétence linguistique administré avant l'admission.</p> <p>OU</p> <p>b. par la réussite de quatre années d'études en français à temps plein. Ces études peuvent être une combinaison d'études secondaires et postsecondaires;</p> <p>c. en étant détenteur d'un premier diplôme d'une université accréditée où le français est la langue d'enseignement.</p> <p>Le détail des conditions d'admission aux divers programmes universitaires figure aux §§13–17 de l'annuaire de l'Université. Pour de plus amples renseignements, s'adresser au Bureau des admissions, Faculté Saint-Jean.</p> <p>Admission aux programmes du BA, du BEd, du BEd/BSc, du BSc, du BSc (science de l'environnement et de la conservation-bilingue) et BSc (science infirmière-bilingue)</p> <p>Baccalauréat ès arts</p> <p>(1) Un parmi French 30 (9 ans), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2.</p> <p>Note: French 30 (3 ans) peut être accepté sur la base du résultat d'un test de compétence linguistique administré avant l'admission.</p> <p>(2) Une langue de niveau 30 (autre que le français). (Pour les critères de compétence en anglais/langue seconde voir §183.1.14). (Voir note</p>

peut être présentée dans le groupe B. Mathématiques 30-2 peut être utilisé pour l'admission, cependant quelques disciplines exigent Mathématiques Pures 30 ou Mathématiques 30-1 comme préalable à certains cours (voir notes ci-jointes). Seulement un des Mathématiques pure 30, Mathématiques 30-1 ou Mathématiques 30-2 pourra être utilisé comme base d'admission. Afin de maximiser leur programme et leur choix de cours, nous encourageons tous les étudiants à présenter un choix de matières dans les groupes A et C.

(4) Voir les notes additionnelles concernant les matières exigées pour des majeures et mineures spécifiques.

Notes

(1) Si le français est un cours de langue seconde (French 30 ou l'équivalent), l'autre langue de niveau 30 doit être la langue d'enseignement de l'école.

Par exemple, pour des étudiants albertains ayant étudié dans une école anglophone, la langue autre que le français doit être English Language Arts 30-1; pour des étudiants ayant étudié au Mexique dans une école de langue espagnole, la langue autre que le français doit être le cours terminal d'espagnol. French 30 (3-ans) peut être accepté sur la base du résultat du test de classement de français.

(2) L'étudiant qui choisit comme majeure Science politique devrait présenter Études sociales 30-1.

(3) L'étudiant qui choisit comme majeure ou mineure Psychologie devrait présenter Mathématiques Pures 30 ou Mathématiques 30-1.

(4) L'étudiant qui choisit comme majeure Économie doit présenter Mathématiques Pures 30 ou Mathématiques 30-1 et la présentation de Mathématiques 31 est recommandée. Mathématiques Pures 30 ou Mathématiques 30-1 n'a pas à être inclus dans les cinq matières de niveau 30 exigées pour l'admission mais certains cours de la majeure exigent ce cours à titre de préalable.

(5) L'étudiant qui choisit une majeure en Mathématiques doit présenter Mathématiques Pures 30 ou Mathématiques 30-1 et Mathématiques 31, s'il choisit une mineure en Mathématiques il devrait présenter Mathématiques Pures 30 ou Mathématiques 30-1. Ces matières n'ont pas à être incluses dans les cinq matières exigées pour l'admission mais certains cours de la majeure et de la mineure exigent ces cours à titre de préalables.

(6) L'étudiant qui veut transférer en Éducation, principalement au niveau élémentaire, devrait présenter Mathématiques Pures 30 ou Mathématiques 30-1.

(7) L'étudiant qui veut transférer à la Faculty of Business doit présenter Mathématiques Pures 30 ou Mathématiques 30-1. Cette matière n'a pas à être incluse dans les cinq matières exigées pour l'admission mais certains cours exigés pour l'admission par la Faculty of Business exigent Mathématiques Pures 30 ou Mathématiques 30-1 à titre de préalable.

1).

(3) Trois matières parmi les groupe A, B et/ou C. Une seule matière peut être présentée dans le groupe B. Mathématiques 30-2 peut être utilisé pour l'admission, cependant quelques disciplines exigent Mathématiques Pures 30 ou Mathématiques 30-1 comme préalable à certains cours (voir notes ci-jointes). Seulement un des Mathématiques pures 30, Mathématiques 30-1 ou Mathématiques 30-2 pourra être utilisé comme base d'admission. Afin de maximiser leur programme et leur choix de cours, nous encourageons tous les étudiants à présenter un choix de matières dans les groupes A et C.

(4) Voir les notes additionnelles concernant les matières exigées pour des majeures et mineures spécifiques.

Notes

(1) Si un étudiant présente un cours de français langue seconde (French Language Arts de niveau 30, French de niveau 30 ou l'équivalent), l'autre langue de niveau 30 doit être la langue d'enseignement de l'école.

Par exemple, pour être admis, un étudiant albertain ayant étudié dans une école anglophone, doit présenter English Language Arts 30-1; un étudiant résidant au Mexique, qui a étudié dans une école où la langue d'instruction est l'espagnol, doit présenter un cours terminal d'espagnol.

(2) L'étudiant qui choisit comme majeure Science politique devrait présenter Études sociales 30-1.

(3) L'étudiant qui choisit comme majeure ou mineure Psychologie devrait présenter Mathématiques Pures 30 ou Mathématiques 30-1.

(4) L'étudiant qui choisit comme majeure Économie doit présenter Mathématiques Pures 30 ou Mathématiques 30-1 et la présentation de Mathématiques 31 est recommandée. Mathématiques Pures 30 ou Mathématiques 30-1 n'a pas à être inclus dans les cinq matières de niveau 30 exigées pour l'admission mais certains cours de la majeure exigent ce cours à titre de préalable.

(5) L'étudiant qui choisit une majeure en Mathématiques doit présenter Mathématiques Pures 30 ou Mathématiques 30-1 et Mathématiques 31, s'il choisit une mineure en Mathématiques il devrait présenter Mathématiques Pures 30 ou Mathématiques 30-1. Ces matières n'ont pas à être incluses dans les cinq matières exigées pour l'admission mais certains cours de la majeure et de la mineure exigent ces cours à titre de préalables.

(6) L'étudiant qui veut transférer à la Faculty of Business doit présenter Mathématiques Pures 30 ou Mathématiques 30-1. Cette matière n'a pas à être incluse dans les cinq matières exigées pour l'admission mais certains cours exigés pour l'admission par la Faculty of Business exigent Mathématiques Pures 30 ou Mathématiques 30-1 à titre de préalable.

**Baccalauréat en éducation
Élémentaire
Exigences d'admission**

(1) Un cours parmi Français 30-1, 30-2; French Language Arts 30-1, 30-2; French 30 (9 ans).

(2) Une langue autre que le français, y compris une langue autochtone de niveau 30 reconnue au Canada. (Pour les critères de compétence en anglais/langue seconde, voir §183.1.14.) (Voir note 1.)

(3) Trois matières parmi les groupe A, B et/ou C. Une seule matière peut être présentée dans le groupe B. Mathématiques 30-2 peut être utilisé pour être admis au programme en éducation (élémentaire). Cependant, seulement un cours parmi Mathématiques Pure 30, Mathématiques 30-1 ou Mathématiques 30-2 sera utilisé aux fins de l'admission.

Note

(1) Si un étudiant présente un cours de français langue seconde (French Language Arts de niveau 30, French de niveau 30 ou l'équivalent), l'autre langue de niveau 30 doit être la langue d'enseignement de l'école. Par exemple, pour être admis, un étudiant albertain ayant étudié dans une école anglophone, doit présenter English Language Arts 30-1; un étudiant résidant au Mexique, qui a étudié dans une école où la langue d'instruction est l'espagnol, doit présenter un cours terminal d'espagnol.

**Secondaire
Exigences d'admission**

(1) Un parmi Français 30-1, 30-2; French Language Arts 30-1, 30-2; French 30 (9 ans).

(2) Une langue autre que le français, y compris une langue autochtone de niveau 30 reconnue au Canada. (Pour les critères de compétence en anglais/langue seconde, voir §183.1.14.) (Voir note 1.)

(3) Trois matières parmi les groupe A, B et/ou C. Une seule matière peut être présentée dans le groupe B. Mathématiques 30-2 peut être utilisé pour être admis au programme en éducation (secondaire). Cependant, seulement un cours parmi Mathématiques Pure 30, Mathématiques 30-1 ou Mathématiques 30-2 sera utilisé aux fins de l'admission. Voir ci-dessous les exigences supplémentaires selon la majeure.

Note:

(1) Si un étudiant présente un cours de français langue seconde (French Language Arts de niveau 30, French de niveau 30 ou

**Baccalauréat en éducation
Élémentaire
Exigences d'admission**

(1) Un cours parmi Français 30-1, 30-2; French Language Arts 30-1, 30-2; French 30 (9 ans).

(2) Une langue autre que le français, y compris une langue autochtone de niveau 30 reconnue au Canada. (Pour les critères de compétence en anglais/langue seconde, voir §183.1.14.) (Voir note 1.)

(3) Trois matières parmi les groupe A, B et/ou C. Une seule matière peut être présentée dans le groupe B. Mathématiques 30-2 peut être utilisé pour être admis au programme en éducation (élémentaire). Cependant, seulement un cours parmi Mathématiques Pure 30, Mathématiques 30-1 ou Mathématiques 30-2 sera utilisé aux fins de l'admission.

Note

(1) Si un étudiant présente un cours de français langue seconde (French Language Arts de niveau 30, French de niveau 30 ou l'équivalent), l'autre langue de niveau 30 doit être la langue d'enseignement de l'école. Par exemple, pour être admis, un étudiant albertain ayant étudié dans une école anglophone, doit présenter English Language Arts 30-1; un étudiant résidant au Mexique, qui a étudié dans une école où la langue d'instruction est l'espagnol, doit présenter un cours terminal d'espagnol.

**Secondaire
Exigences d'admission**

(1) Un parmi Français 30-1, 30-2; French Language Arts 30-1, 30-2; French 30 (9 ans).

(2) Une langue autre que le français, y compris une langue autochtone de niveau 30 reconnue au Canada. (Pour les critères de compétence en anglais/langue seconde, voir §183.1.14.) (Voir note 1.)

(3) Trois matières parmi les groupe A, B et/ou C. Une seule matière peut être présentée dans le groupe B. Mathématiques 30-2 peut être utilisé pour être admis au programme en éducation (secondaire). Cependant, seulement un cours parmi Mathématiques Pure 30, Mathématiques 30-1 ou Mathématiques 30-2 sera utilisé aux fins de l'admission. Voir ci-dessous les exigences supplémentaires selon la majeure.

Note:

(1) Si un étudiant présente un cours de français langue seconde (French Language Arts de niveau 30, French de niveau 30 ou

l'équivalent), l'autre langue de niveau 30 doit être la langue d'enseignement de l'école. Par exemple, pour être admis, un étudiant albertain ayant étudié dans une école anglophone, doit présenter English Language Arts 30-1; un étudiant résidant au Mexique, qui a étudié dans une école où la langue d'instruction est l'espagnol, doit présenter un cours terminal d'espagnol.

Exigences supplémentaires selon la majeure

(1) L'étudiant qui choisit comme majeure Mathématiques doit présenter Mathématiques Pures 30 ou Mathématiques 30-1.

(2) L'étudiant qui choisit comme majeure Sciences générales, doit présenter Biologie 30, Chimie 30, Physique 30, Mathématiques Pures 30 ou Mathématiques 30-1.

Informations supplémentaires pour les mineures au BEd (secondaire)

(1) L'étudiant qui choisit comme mineure Mathématiques devrait avoir Mathématiques Pures 30 ou Mathématiques 30-1. Mathématiques Pures 30 ou Mathématiques 30-1 ne sont pas requis pour être admis au programme, mais la mineure comprend des cours pour lesquels Mathématiques Pures 30 ou Mathématiques 30-1 est un préalable.

(2) L'étudiant qui choisit comme mineure Sciences générales, devrait avoir trois cours parmi Biologie 30, Chimie 30, Physique 30 et Mathématiques Pures 30 ou Mathématiques 30-1. Ces cours ne sont pas requis pour être admis au programme, mais la mineure comprend des cours pour lesquels Mathématiques Pures 30 ou Mathématiques 30-1 est un préalable.

(3) L'étudiant qui choisit comme mineure Sciences physiques, devrait avoir Chimie 30, Physique 30 et Mathématiques Pures 30 ou Mathématiques 30-1. Ces cours ne sont pas requis pour être admis au programme, mais la mineure comprend des cours pour lesquels ils sont des préalables.

Baccalauréat en éducation/Baccalauréat ès sciences Exigences d'admission

(1) Un parmi : Français 30-1, 30-2; French Language Arts 30-1, 30-2; French 30 (9 ans).

(2) Une langue autre que le français, y compris une langue autochtone de niveau 30 reconnue au Canada. (Pour les critères de compétence en anglais/langue seconde voir §183.1.14.) (Voir note.)

(3) Mathématiques Pures 30 ou Mathématiques 30-1.

(4) Deux matières parmi: Biologie 30, Chimie 30, Computing Science (CSE) Advanced Level, Career and Technology Studies (CTS) (5 crédits), Mathématiques 31 et Physique 30.

l'équivalent), l'autre langue de niveau 30 doit être la langue d'enseignement de l'école. Par exemple, pour être admis, un étudiant albertain ayant étudié dans une école anglophone, doit présenter English Language Arts 30-1; un étudiant résidant au Mexique, qui a étudié dans une école où la langue d'instruction est l'espagnol, doit présenter un cours terminal d'espagnol.

Exigences supplémentaires selon la majeure

(1) L'étudiant qui choisit comme majeure Mathématiques doit présenter Mathématiques Pures 30 ou Mathématiques 30-1.

(2) L'étudiant qui choisit comme majeure Sciences générales, doit présenter Biologie 30, Chimie 30, Physique 30, Mathématiques Pures 30 ou Mathématiques 30-1.

Informations supplémentaires pour les mineures au BEd (secondaire)

(1) L'étudiant qui choisit comme mineure Mathématiques devrait avoir Mathématiques Pures 30 ou Mathématiques 30-1. Mathématiques Pures 30 ou Mathématiques 30-1 ne sont pas requis pour être admis au programme, mais la mineure comprend des cours pour lesquels Mathématiques Pures 30 ou Mathématiques 30-1 est un préalable.

(2) L'étudiant qui choisit comme mineure Sciences générales, devrait avoir trois cours parmi Biologie 30, Chimie 30, Physique 30 et Mathématiques Pures 30 ou Mathématiques 30-1. Ces cours ne sont pas requis pour être admis au programme, mais la mineure comprend des cours pour lesquels Mathématiques Pures 30 ou Mathématiques 30-1 est un préalable.

(3) L'étudiant qui choisit comme mineure Sciences physiques, devrait avoir Chimie 30, Physique 30 et Mathématiques Pures 30 ou Mathématiques 30-1. Ces cours ne sont pas requis pour être admis au programme, mais la mineure comprend des cours pour lesquels ils sont des préalables.

Baccalauréat en éducation/Baccalauréat ès sciences Exigences d'admission

(1) Un parmi : Français 30-1, 30-2; French Language Arts 30-1, 30-2; French 30 (9 ans).

(2) Une langue autre que le français, y compris une langue autochtone de niveau 30 reconnue au Canada. (Pour les critères de compétence en anglais/langue seconde voir §183.1.14.) (Voir note [1](#).)

(3) Mathématiques Pures 30 ou Mathématiques 30-1.

(4) Deux matières parmi: Biologie 30, Chimie 30, Computing Science (CSE) Advanced Level, Career and Technology Studies (CTS) (5 crédits), Mathématiques 31 et Physique 30.

Note:

Note: Si un étudiant présente un cours de français langue seconde (French Language Arts de niveau 30, French de niveau 30 ou l'équivalent), l'autre langue de niveau 30 doit être la langue d'enseignement de l'école. Par exemple, pour être admis, un étudiant albertain ayant étudié dans une école anglophone, doit présenter English Language Arts 30-1; un étudiant résidant au Mexique, qui a étudié dans une école où la langue d'instruction est l'espagnol, doit présenter un cours terminal d'espagnol.

Exigences d'admission supplémentaires pour les majeures au BEd/BSc (secondaire)

(1) L'étudiant qui choisit comme majeure Sciences biologiques, doit présenter Biologie 30 et Chimie 30.

(2) L'étudiant qui choisit comme majeure Sciences Mathématiques ou Sciences physiques, doit présenter Chimie 30 et Physique 30.

Baccalauréat ès sciences

(1) Un parmi **French 30**, French 30 (9 ans), 31; Français **30**, 30-1, 30-2; French Language Arts **30**, 30-1, 30-2.

Note: French 30 (3 ans) peut être accepté sur la base du résultat **du** test de **classement de français**.

(2) Un parmi **English 30**, English Language Arts 30-1 ou Anglais langue seconde de niveau 30. [Pour les critères de compétence en anglais/langue seconde voir note et §183.1.16].

(3) Mathématiques **P**ures 30 ou Mathématiques 30-1

(4) Deux matières parmi: Biologie 30, Chimie 30, Mathématiques 31, Physique 30, ou Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) (5 crédits).

Note: Si un étudiant demande admission en ayant **French 30** (ou l'équivalent) et Anglais langue seconde de niveau 30, une langue supplémentaire (de niveau 30) sera requise. Cette dernière doit être la langue d'enseignement de l'école. Par exemple, pour un étudiant ayant étudié au Mexique dans une école de langue espagnole, la langue supplémentaire doit être le cours terminal d'espagnol.

Baccalauréat ès sciences (sciences de l'environnement et de la conservation—bilingue)

Note: Les candidats doivent soumettre la demande d'admission à la Faculté Saint-Jean. Voir §184.11.

(1) Un parmi **French 30**, French 30 (9 ans), 31; Français **30**, 30-1, 30-

(1) Si un étudiant présente un cours de français langue seconde (French Language Arts de niveau 30, French de niveau 30 ou l'équivalent), l'autre langue de niveau 30 doit être la langue d'enseignement de l'école. Par exemple, pour être admis, un étudiant albertain ayant étudié dans une école anglophone, doit présenter English Language Arts 30-1; un étudiant résidant au Mexique, qui a étudié dans une école où la langue d'instruction est l'espagnol, doit présenter un cours terminal d'espagnol.

Exigences d'admission supplémentaires pour les majeures au BEd/BSc (secondaire)

(1) L'étudiant qui choisit comme majeure Sciences biologiques, doit présenter Biologie 30 et Chimie 30.

(2) L'étudiant qui choisit comme majeure Sciences Mathématiques ou Sciences physiques, doit présenter Chimie 30 et Physique 30.

Baccalauréat ès sciences

(1) Un parmi French 30 (9 ans), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2.

Note: French 30 (3 ans) peut être accepté sur la base du résultat **d'un** test de **compétence linguistique administré avant l'admission**.

(2) Un parmi English Language Arts 30-1 ou Anglais langue seconde de niveau 30. [Pour les critères de compétence en anglais/langue seconde voir note et §183.1.16].

(3) Mathématiques **p**ures 30 ou Mathématiques 30-1

(4) Deux matières parmi: Biologie 30, Chimie 30, Mathématiques 31, Physique 30, ou Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) (5 crédits).

Baccalauréat ès sciences (sciences de l'environnement et de la conservation—bilingue)

Note: Les candidats doivent soumettre la demande d'admission à la Faculté Saint-Jean. Voir §184.11.

(1) Un parmi French 30 (9 ans), 31; Français 30-1, 30-2; French

2; French Language Arts 30, 30-1, 30-2.

Note: French 30 (3 ans) peut être accepté sur la base du résultat du test de classement de français.

(2) Un parmi English 30, English Language Arts 30-1 ou Anglais langue seconde de niveau 30. [Pour les critères de compétence en anglais/langue seconde voir §183.1.16].

(3) Mathématiques Pures 30 ou Mathématiques 30-1

(4) Chimie 30

(5) Biologie 30

Note: Si le français est un cours de langue seconde (French 30 ou l'équivalent) et anglais est un cours de langue seconde de niveau 30, une langue supplémentaire (de niveau 30) sera requise. Cette dernière doit être la langue d'enseignement de l'école. Par exemple, pour un étudiant ayant étudié au Mexique dans une école de langue espagnole, la langue supplémentaire doit être le cours terminal d'espagnol.

Baccalauréat ès sciences infirmières (bilingue)

Note: Les candidats doivent soumettre la demande d'admission à la Faculty of Nursing (voir §§15.11.5 et 134.6). L'admission est limitée étant donné que le programme est contingenté.

Exigences des compétences langagières

(1) Anglais: Pour des informations concernant les règlements généraux au sujet de la compétence dans la langue anglaise ainsi que les règlements spécifiques au sujet de la maîtrise de l'anglais oral qui sont applicables à tous les domaines des sciences de la santé, voir §13.3.1.

(2) Français: Les candidats devront démontrer leurs compétences langagières en français de deux façons:

a. réussir un de ces cours : Français 30, 30-1 ou 30-2 (offerts dans les écoles francophones), French Language Arts 30, 30-1, 30-2 (offerts dans les programmes de français immersion), French 30, French 30 (9 year), ou French 31 (offerts dans les écoles anglophones).

ET
b. réussir le test de placement en français de la Faculté Saint-Jean au niveau FRANC 221 ou à un niveau plus avancé

Pour plus d'information sur le programme et cours obligatoires voir §§15.11.5, 133.2 et 134.6.

Language Arts 30-1, 30-2.

Note: French 30 (3 ans) peut être accepté sur la base du résultat d'un test de compétence linguistique administré avant l'admission.

(2) Un parmi English Language Arts 30-1 ou Anglais langue seconde de niveau 30. [Pour les critères de compétence en anglais/langue seconde voir §183.1.16].

(3) Mathématiques pures 30 ou Mathématiques 30-1

(4) Chimie 30

(5) Biologie 30

Baccalauréat ès sciences infirmières (bilingue)

Note: Les candidats doivent soumettre la demande d'admission à la Faculty of Nursing (voir §§15.11.5 et 134.6). L'admission est limitée étant donné que le programme est contingenté.

Exigences des compétences langagières

(1) Anglais: Pour des informations concernant les règlements généraux au sujet de la compétence dans la langue anglaise ainsi que les règlements spécifiques au sujet de la maîtrise de l'anglais oral qui sont applicables à tous les domaines des sciences de la santé, voir §13.3.1.

(2) Français: Les candidats devront démontrer leurs compétences langagières en français de deux façons:

a. réussir un de ces cours : Français 30-1 ou 30-2 (offerts dans les écoles francophones), French Language Arts 30-1, 30-2 (offerts dans les programmes de français immersion), French 30 (9 ans), ou French 31 (offerts dans les écoles anglophones).

ET
b. réussir le test de placement en français de la Faculté Saint-Jean au niveau FRANC 221 ou à un niveau plus avancé

Pour plus d'information sur le programme et cours obligatoires voir §§15.11.5, 133.2 et 134.6.

CURRENT

183.1.2 Admission Requirements

PROPOSED

183.1.2 Admission Requirements

(1) **Average:** Applicant must possess a minimum average of 70% on five appropriate Grade 12 subjects or equivalent.

(2) **French Language Proficiency:** French is the language of instruction in all programs at Faculté Saint-Jean. Therefore, all applicants must possess an adequate knowledge of written and spoken French as a prerequisite to admission. Nonmatriculated applicants and Open Studies students must comply with the requirement along with other applicants. All applicants will be required to demonstrate proficiency in the French language prior to admission. This demonstration may take any one of several forms:

a. successful completion of one of the following courses (Alberta):

- Français 30, 30-1, 30-2
- French 30, French 30 (9 year), 31
- French Language Arts 30, 30-1, 30-2: **OR**

Note: French 30 (3 year) may be used for admission based on a successful French language test.

OR

b. successful completion of four years of education in French. Such education can be in a combination of secondary and postsecondary training: OR

c. graduation from a degree program offered by an accredited university at which French is the language of instruction.

Detailed admission requirements for the various university programs are set out in §§13–17 of the University Calendar. Further information may be obtained from the Office of Admissions, Faculté Saint-Jean.

Requirements for the BA, BEd/BSc, BSc, BSc (Environmental and Conservation Sciences-Bilingual), BSc Nursing (Bilingual) programs

Bachelor of Arts Program

(1) One of French 30, French 30 (9 year), 31, Français 30, 30-1, 30-2; French Language Arts 30, 30-1, 30-2. (See Note 1).

(2) Any language other than French, level 30. [For the competency requirements in English/second language see §183.1.16.]

(3) Three subjects from Group A, B and/or C. A maximum of one subject in Group B may be presented for admission. Mathematics 30-2 may be used for admission, though some disciplines require Pure Mathematics 30 or Mathematics 30-1 as a prerequisite for required courses (see notes below). Only one of Pure Mathematics 30, Mathematics 30-1 or Mathematics 30-2 will be used for admission. In order to maximize their future program and course choices, all students are encouraged to present a broad range of subjects across Group A and C.

(4) See additional requirements below for specific majors and minors.

(1) **Average:** Applicant must possess a minimum average of 70% on five appropriate Grade 12 subjects or equivalent.

(2) **French Language Proficiency:** French is the language of instruction in all programs at Faculté Saint-Jean. Therefore, all applicants must possess an adequate knowledge of written and spoken French as a prerequisite to admission. Nonmatriculated applicants and Open Studies students must comply with the requirement along with other applicants. All applicants will be required to demonstrate proficiency in the French language prior to admission. This demonstration may take any one of several forms:

a. successful completion of one of the following courses (Alberta):

- Français 30-1, 30-2
- French 30 (9 year), 31
- French Language Arts 30-1, 30-2: **OR**

Note: French 30 (3 year) may be used for admission based on a successful French language competency test administered prior to admission.

OR

b. successful completion of four years of education in French. Such education can be in a combination of secondary and postsecondary training: OR

c. graduation from a degree program offered by an accredited university at which French is the language of instruction.

Detailed admission requirements for the various university programs are set out in §§13–17 of the University Calendar. Further information may be obtained from the Office of Admissions, Faculté Saint-Jean.

Requirements for the BA, BEd, BEd/BSc, BSc (Environmental and Conservation Sciences-Bilingual), BSc Nursing (Bilingual) programs

Bachelor of Arts Program

(1) One of French 30 (9 year), 31, Français 30-1, 30-2; French Language Arts 30-1, 30-2.

Note: French 30 (3 year) may be used for admission based on a successful French language competency test administered prior to admission.

(2) Any language other than French, level 30. [For the competency requirements in English/second language see §183.1.16.]. (See Note 1).

(3) Three subjects from Group A, B and/or C. A maximum of one subject in Group B may be presented for admission. Mathematics 30-2 may be used for admission, though some disciplines require Pure Mathematics 30 or Mathematics 30-1 as a prerequisite for required courses (see notes below). Only one of Pure Mathematics 30, Mathematics 30-1 or Mathematics 30-2 will be used for admission. In order to maximize their future program and course choices, all students are encouraged to present a broad range of subjects across Group A and C.

(4) See additional requirements below for specific majors and minors.

Notes

- (1) If the student is admitted with French as a second language (French 30 or equivalent), the other 30-level language must be the school's language of instruction. For example, a student residing in Alberta and attending a school where the language of instruction is English must complete English Language Arts 30-1; a student residing in Mexico and attending a school where the language of instruction is Spanish must complete the final Spanish language course. French 30 (3 year) may be used for admission based on a successful French language test.
- (2) If students choose Political Science as a major they should present Social Studies 30 or 30-1.
- (3) If students choose Psychology as a major or a minor they should present Pure Mathematics 30 or Mathematics 30-1.
- (4) If students choose Economics as a major they must present Pure Mathematics 30 or Mathematics 30-1 and presentation of Mathematics 31 is recommended. Pure Mathematics 30 or Mathematics 30-1 does not have to be included as one of the five 30-level courses used for admission, but Pure Mathematics 30 is required as a prerequisite for some courses.
- (5) If students choose Mathematics as a major they must present both Pure Mathematics 30 or Mathematics 30-1 and Mathematics 31. For a minor students should present Pure Mathematics 30 or Mathematics 30-1. These courses do not have to be included in the five 30-level courses used for admission, but are required as prerequisites for some courses.
- (6) If students want to transfer to the Education program especially to the elementary level, they should present Pure Mathematics 30 or Mathematics 30-1.
- (7) If students want to transfer to the Faculty of Business they must present Pure Mathematics 30 or Mathematics 30-1. This course does not have to be included as one of the five 30-level courses used for admission, but some of the courses required for admission to the Faculty of Business require Pure Mathematics 30 or Mathematics 30-1 as a prerequisite.

Bachelor of Education Program Elementary Admission Requirements

- (1) One from Français 30-1, 30-2; French Language Arts 30-1, 30-2; French 30 (9 year).
- (2) A language other than French, which may include a 30-level Aboriginal language recognized in Canada. (For the competency requirements in English/second language, see §183.1.14.) (See Note 1.)
- (3) Three subjects from Group A, B and/or C. A maximum of one subject in Group B may be presented. Mathematics 30-2 may be used for admission to the Bachelor of Education (Elementary)

Notes

- (1) If a student presents French as a second language (30-level French Language Arts, 30-level French, or equivalent), the other 30-level language must be the school's language of instruction. For example, a student residing in Alberta and attending a school where the language of instruction is English must present English Language Arts 30-1 for admission; a student residing in Mexico and attending a school where the language of instruction is Spanish must present the final Spanish language course for admission.
- (2) If students choose Political Science as a major they should present Social Studies 30-1.
- (3) If students choose Psychology as a major or a minor they should present Pure Mathematics 30 or Mathematics 30-1.
- (4) If students choose Economics as a major they must present Pure Mathematics 30 or Mathematics 30-1 and presentation of Mathematics 31 is recommended. Pure Mathematics 30 or Mathematics 30-1 does not have to be included as one of the five 30-level courses used for admission, but Pure Mathematics 30 is required as a prerequisite for some courses.
- (5) If students choose Mathematics as a major they must present both Pure Mathematics 30 or Mathematics 30-1 and Mathematics 31. For a minor students should present Pure Mathematics 30 or Mathematics 30-1. These courses do not have to be included in the five 30-level courses used for admission, but are required as prerequisites for some courses.
- (6) If students want to transfer to the Faculty of Business they must present Pure Mathematics 30 or Mathematics 30-1. This course does not have to be included as one of the five 30-level courses used for admission, but some of the courses required for admission to the Faculty of Business require Pure Mathematics 30 or Mathematics 30-1 as a prerequisite.

Bachelor of Education Program Elementary Admission Requirements

- (1) One from Français 30-1, 30-2; French Language Arts 30-1, 30-2; French 30 (9 year).
- (2) A language other than French, which may include a 30-level Aboriginal language recognized in Canada. (For the competency requirements in English/second language, see §183.1.14.) (See Note 1.)
- (3) Three subjects from Group A, B and/or C. A maximum of one subject in Group B may be presented. Mathematics 30-2 may be used for admission to the Bachelor of Education (Elementary) program.

program. However, only one of Pure Mathematics 30, Mathematics 30-1 or Mathematics 30-2 will be used for admission purposes.

Note

(1) If a student presents French as a second language (30-level French Language Arts, 30-level French, or equivalent), the other 30-level language must be the school's language of instruction. For example, a student residing in Alberta and attending a school where the language of instruction is English must present English Language Arts 30-1 for admission; a student residing in Mexico and attending a school where the language of instruction is Spanish must present the final Spanish language course for admission.

Secondary Admission Requirements

(1) One from Français 30-1, 30-2; French Language Arts 30-1, 30-2; French 30 (9 year).

(2) A language other than French, which may include a 30-level Aboriginal language recognized in Canada. (For the competency requirements in English/second language, see §183.1.14.) (See Note 1.)

(3) Three subjects from Group A, B and/or C. A maximum of one subject in Group B may be presented. Mathematics 30-2 may be used for admission to the Bachelor of Education (Secondary) program. However, only one of Pure Mathematics 30, Mathematics 30-1 or Mathematics 30-2 will be used for admission purposes. See Additional Requirements by major below.

Note

(1) If a student presents French as a second language (30-level French Language Arts, 30-level French, or equivalent), the other 30-level language must be the school's language of instruction. For example, a student residing in Alberta and attending a school where the language of instruction is English must present English Language Arts 30-1 for admission; a student residing in Mexico and attending a school where the language of instruction is Spanish must present the final Spanish language course for admission.

Additional Admission Requirements for majors

(1) For a major in Mathematics, students must present Pure Mathematics 30 or Mathematics 30-1.

(2) For a major in General Sciences, students must present Biology 30, Chemistry 30, Pure Mathematics 30 or Mathematics 30-1.

Additional Information for BEd secondary minors

However, only one of Pure Mathematics 30, Mathematics 30-1 or Mathematics 30-2 will be used for admission purposes.

Note

(1) If a student presents French as a second language (30-level French Language Arts, 30-level French, or equivalent), the other 30-level language must be the school's language of instruction. For example, a student residing in Alberta and attending a school where the language of instruction is English must present English Language Arts 30-1 for admission; a student residing in Mexico and attending a school where the language of instruction is Spanish must present the final Spanish language course for admission.

Secondary Admission Requirements

(1) One from Français 30-1, 30-2; French Language Arts 30-1, 30-2; French 30 (9 year).

(2) A language other than French, which may include a 30-level Aboriginal language recognized in Canada. (For the competency requirements in English/second language, see §183.1.14.) (See Note 1.)

(3) Three subjects from Group A, B and/or C. A maximum of one subject in Group B may be presented. Mathematics 30-2 may be used for admission to the Bachelor of Education (Secondary) program. However, only one of Pure Mathematics 30, Mathematics 30-1 or Mathematics 30-2 will be used for admission purposes. See Additional Requirements by major below.

Note

(1) If a student presents French as a second language (30-level French Language Arts, 30-level French, or equivalent), the other 30-level language must be the school's language of instruction. For example, a student residing in Alberta and attending a school where the language of instruction is English must present English Language Arts 30-1 for admission; a student residing in Mexico and attending a school where the language of instruction is Spanish must present the final Spanish language course for admission.

Additional Admission Requirements for majors

(1) For a major in Mathematics, students must present Pure Mathematics 30 or Mathematics 30-1.

(2) For a major in General Sciences, students must present Biology 30, Chemistry 30, Pure Mathematics 30 or Mathematics 30-1.

Additional Information for BEd secondary minors

(1) For a minor in Mathematics, students should have Pure Mathematics 30 or Mathematics 30-1. Pure Mathematics 30 or Mathematics 30-1 do not have to be included for admission, but the minor requires courses for which Pure Mathematics 30 or Mathematics 30-1 is a prerequisite.

(2) For a minor in General Sciences, students should have three from Biology 30, Chemistry 30, Physics 30 and Pure Mathematics 30 or Mathematics 30-1. These courses do not have to be included for admission, but the minor requires courses for which Pure Mathematics 30 or Mathematics 30-1 is a prerequisite.

(3) For a minor in Physical Sciences, students should have Chemistry 30, Physics 30 and Pure Mathematics 30 or Mathematics 30-1. These courses do not have to be included for admission, but the minor requires courses for which these are prerequisites.

Bachelor of Education/Bachelor of Science Program Exigences d'admission

(1) One from Français, 30-1, 30-2; French Language Arts, 30-1, 30-2; French 30 (9 year).

(2) A language other than French which may include a 30-level Aboriginal language recognized in Canada. (For the competency requirements in English/second language, see §183.1.14.) (See Note 1.)

(3) Pure Mathematics 30 or Mathematics 30-1.

(4) Two from: Biology 30, Chemistry 30, Computing Science (CSE) Advanced Level, Career and Technology Studies (CTS) (5 credits), Mathematics 31 and Physics 30.

Note

(1) If a student presents French as a second language (30-level French Language Arts, 30-level French, or equivalent), the other 30-level language must be the school's language of instruction. For example, a student residing in Alberta and attending a school where the language of instruction is English must complete English Language Arts 30-1; a student residing in Mexico and attending a school where the language of instruction is Spanish must present the final Spanish language course for admission.

Additional Requirements for BEd/BSc secondary majors

(1) For a major in Biological Sciences, students must present Biology 30 and Chemistry 30.

(2) For a major in Mathematical Sciences or Physical Sciences, students must present Chemistry 30 and Physics 30.

Bachelor of Science Program

(1) For a minor in Mathematics, students should have Pure Mathematics 30 or Mathematics 30-1. Pure Mathematics 30 or Mathematics 30-1 do not have to be included for admission, but the minor requires courses for which Pure Mathematics 30 or Mathematics 30-1 is a prerequisite.

(2) For a minor in General Sciences, students should have three from Biology 30, Chemistry 30, Physics 30 and Pure Mathematics 30 or Mathematics 30-1. These courses do not have to be included for admission, but the minor requires courses for which Pure Mathematics 30 or Mathematics 30-1 is a prerequisite.

(3) For a minor in Physical Sciences, students should have Chemistry 30, Physics 30 and Pure Mathematics 30 or Mathematics 30-1. These courses do not have to be included for admission, but the minor requires courses for which these are prerequisites.

Bachelor of Education/Bachelor of Science Program Exigences d'admission

(1) One from Français, 30-1, 30-2; French Language Arts, 30-1, 30-2; French 30 (9 year).

(2) A language other than French which may include a 30-level Aboriginal language recognized in Canada. (For the competency requirements in English/second language, see §183.1.14.) (See Note 1.)

(3) Pure Mathematics 30 or Mathematics 30-1.

(4) Two from: Biology 30, Chemistry 30, Computing Science (CSE) Advanced Level, Career and Technology Studies (CTS) (5 credits), Mathematics 31 and Physics 30.

Note

(1) If a student presents French as a second language (30-level French Language Arts, 30-level French, or equivalent), the other 30-level language must be the school's language of instruction. For example, a student residing in Alberta and attending a school where the language of instruction is English must complete English Language Arts 30-1; a student residing in Mexico and attending a school where the language of instruction is Spanish must present the final Spanish language course for admission.

Additional Requirements for BEd/BSc secondary majors

(1) For a major in Biological Sciences, students must present Biology 30 and Chemistry 30.

(2) For a major in Mathematical Sciences or Physical Sciences, students must present Chemistry 30 and Physics 30.

Bachelor of Science Program

(1) One of French 30, French 30 (9 year), 31; Français 30, 30-1, 30-2; French Language Arts 30, 30-1, 30-2.

Note: French 30 (3 year) may be used for admission based on a successful French language test.

(2) One of English 30, English Language Arts 30-1 or English as a second language, level 30. (For the competency requirements in English second language see §183.1.16).

(3) Pure Mathematics 30 or Mathematics 30-1

(4) Two of Biology 30, Chemistry 30, Mathematics 31, Physics 30, or Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) (5 credits)

Note: If the student is seeking admission with French as a second language (French 30 or equivalent), and English as a second language level 30, a third language (level 30) will be required. The third language must be the school's language of instruction. For example, a student residing in Mexico and attending a school where the language of instruction is Spanish must complete the final Spanish language course.

Bachelor of Science (Environmental and Conservation Sciences-Bilingual) program

Note: Prospective students must apply for admission to Faculté Saint-Jean. See §184.11.

(1) One of French 30, French 30 (9 year), 31; Français 30, 30-1, 30-2; French Language Arts 30, 30-1, 30-2.

Note: French 30 (3 year) may be used for admission based on a successful French language test.

(2) One of English 30 or English Language Arts 30-1 or English as a second language, level 30. [For the competency requirements in English second language see §183.1.16].

(3) Pure Mathematics 30 or Mathematics 30-1

(4) Chemistry 30

(5) Biology 30

Note: If the student is seeking admission with French as a second language (French 30 or equivalent), and English as a second language level 30, a third language (level 30) will be required. The third language must be the school's language of instruction. For example, a student residing in Mexico and attending a school where

(1) One of French 30 (9 year), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2.

Note: French 30 (3 year) may be used for admission based on a successful French language competency test administered prior to admission.

(2) One of English Language Arts 30-1 or English as a second language, level 30. (For the competency requirements in English second language see §183.1.16).

(3) Pure Mathematics 30 or Mathematics 30-1

(4) Two of Biology 30, Chemistry 30, Mathematics 31, Physics 30, or Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) (5 credits)

Bachelor of Science (Environmental and Conservation Sciences-Bilingual) program

Note: Prospective students must apply for admission to Faculté Saint-Jean. See §184.11.

(1) One of French 30 (9 year), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2.

Note: French 30 (3 year) may be used for admission based on a successful French language competency test administered prior to admission.

(2) One of English Language Arts 30-1 or English as a second language, level 30. [For the competency requirements in English second language see §183.1.16].

(3) Pure Mathematics 30 or Mathematics 30-1

(4) Chemistry 30

(5) Biology 30

the language of instruction is Spanish must complete the final Spanish language course.

Bachelor of Science Nursing (Bilingual) program

Note: Prospective students must apply for admission to the Faculty of Nursing (see §§15.11.5 and 134.6).

Admission to this quota program is limited.

Language Proficiency Requirements

(1) English: For information regarding general English Language proficiency requirements as well as spoken English requirements applicable to all health sciences disciplines see §13.3.1

(2) French: Applicants will have to demonstrate their language proficiency in French in two ways:

a. successfully complete one of the following courses: Français 30, 30-1 or 30-2 (offered in French schools), French Language Arts 30, 30-1, or 30-2 (offered in French immersion programs) French 30, French 30 (9 year), French 31(offered in English schools).

AND

b. pass Faculté Saint-Jean’s French Language Placement test at the FRANC 221 level or higher.

For further information, see §§15.11.5, 133.2 and 134.6.

Bachelor of Science Nursing (Bilingual) program

Note: Prospective students must apply for admission to the Faculty of Nursing (see §§15.11.5 and 134.6).

Admission to this quota program is limited.

Language Proficiency Requirements

(1) English: For information regarding general English Language proficiency requirements as well as spoken English requirements applicable to all health sciences disciplines see §13.3.1

(2) French: Applicants will have to demonstrate their language proficiency in French in two ways:

a. successfully complete one of the following courses: Français 30-1 or 30-2 (offered in French schools), French Language Arts 30-1, or 30-2 (offered in French immersion programs), French 30 (9 year), French 31(offered in English schools).

AND

b. pass Faculté Saint-Jean’s French Language Placement test at the FRANC 221 level or higher.

For further information, see §§15.11.5, 133.2 and 134.6..

CURRENT	PROPOSED
<p>183.1.11 Admission au programme du Baccalauréat bilingue en administration des affaires</p> <p>Cours obligatoires</p> <p>(1) Un parmi French 30 (9 ans), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2</p> <p>Note: French 30 (3 ans) peut être accepté sur la base du résultat du test de <u>classement de français.</u></p> <p>(2) <u>English 30</u> ou English Language Arts 30-1</p> <p>(3) Mathématiques <u>P</u>ures 30 ou 30-1</p> <p>(4) Une matière du groupe A ou C (Études sociales 30 est recommandé)</p> <p>(5) Une matière du groupe A, B ou C</p> <p>Les candidats au Baccalauréat bilingue en administration des affaires complèteront normalement leur année préprofessionnelle en s'inscrivant au Baccalauréat-es-arts à la Faculté Saint-Jean. Pour plus de renseignements concernant l'admission en 2^e ou 3^e année à la Faculty of Business, voir §15.4.</p>	<p>183.1.11 Admission au programme du Baccalauréat bilingue en administration des affaires</p> <p>Cours obligatoires</p> <p>(1) Un parmi French 30 (9 ans), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2</p> <p>Note: French 30 (3 ans) peut être accepté sur la base du résultat <u>d'un</u> test de <u>compétence linguistique administré avant l'admission.</u></p> <p>(2) English Language Arts 30-1</p> <p>(3) Mathématiques <u>p</u>ures 30 ou 30-1</p> <p>(4) Une matière du groupe A ou C (Études sociales <u>30-1</u> est recommandé)</p> <p>(5) Une matière du groupe A, B ou C</p> <p>Les candidats au Baccalauréat bilingue en administration des affaires complèteront normalement leur année préprofessionnelle en s'inscrivant au Baccalauréat-es-arts à la Faculté Saint-Jean. Pour plus de renseignements concernant l'admission en 2^e ou 3^e année à la Faculty of Business, voir §15.4.</p>

CURRENT	PROPOSED
<p>183.1.11 Admission to the Bilingual Bachelor of Commerce</p> <p>Subject Requirements</p> <p>(1) One of French 30 (9 year), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2</p> <p>Note: French 30 (3 year) may be used for admission based on a successful French language <u>test.</u></p> <p>(2) <u>English 30</u> or English Language Arts 30-1</p> <p>(3) Pure Mathematics 30 or 30-1</p> <p>(4) Subject from Group A or C (Social Studies 30 is recommended)</p> <p>(5) Subject from Group A, B or C</p> <p>Applicants to the Bilingual Bachelor of Commerce will generally complete their preprofessional requirements while registered in a Bachelor of Arts program at Faculté Saint-Jean. For information concerning admission to the Faculty of Business in second or third year, see §15.4.</p>	<p>183.1.11 Admission to the Bilingual Bachelor of Commerce</p> <p>Subject Requirements</p> <p>(1) One of French 30 (9 year), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2</p> <p>Note: French 30 (3 year) may be used for admission based on a successful French language <u>competency test administered prior to admission.</u></p> <p>(2) English Language Arts 30-1</p> <p>(3) Pure Mathematics 30 or 30-1</p> <p>(4) Subject from Group A or C (Social Studies <u>30-1</u> is recommended)</p> <p>(5) Subject from Group A, B or C</p> <p>Applicants to the Bilingual Bachelor of Commerce will generally complete their preprofessional requirements while registered in a Bachelor of Arts program at Faculté Saint-Jean. For information concerning admission to the Faculty of Business in second or third year, see §15.4.</p>

CURRENT	PROPOSED
<p>183.1.5 Adultes ne répondant pas aux conditions d'admission</p> <p>Les candidats âgés de 21 ans ou plus, qui ne répondent pas aux conditions d'admission, peuvent solliciter la permission de s'inscrire dans certains programmes.</p> <p>Critères d'admission</p> <p>Les candidats doivent avoir réussi un des cours suivants: French 30 (9 ans), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2 ou faire preuve d'un niveau de compétence équivalent dans la langue française. Voir §183.1.2(2).</p> <p>Note: French 30 (3 ans) peut être accepté sur la base du résultat du test de <u>classement de français</u>.</p>	<p>183.1.5 Adultes ne répondant pas aux conditions d'admission</p> <p>Les candidats âgés de 21 ans ou plus, qui ne répondent pas aux conditions d'admission, peuvent solliciter la permission de s'inscrire dans certains programmes.</p> <p>Critères d'admission</p> <p>Les candidats doivent avoir réussi un des cours suivants : French 30 (9 ans), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2 ou faire preuve d'un niveau de compétence équivalent dans la langue française. Voir §183.1.2(2).</p> <p>Note: French 30 (3 ans) peut être accepté sur la base du résultat d'un test de <u>compétence linguistique administré avant l'admission</u>.</p>

CURRENT	PROPOSED
<p>183.1.5 Nonmatriculated Applicants</p> <p>Applicants 21 years and older who do not present the minimum requirements may be considered for admission as a nonmatriculated applicant.</p> <p>Admission Criteria</p> <p>Applicants must have successfully completed one of the following courses: French 30 (9 year), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2 or equivalent. See §183.1.2(2).</p> <p>Note: French 30 (3 year) may be used for admission based on a successful French language <u>test</u>.</p>	<p>183.1.5 Nonmatriculated Applicants</p> <p>Applicants 21 years and older who do not present the minimum requirements may be considered for admission as a nonmatriculated applicant.</p> <p>Admission Criteria</p> <p>Applicants must have successfully completed one of the following courses: French 30 (9 year), 31; Français 30-1, 30-2; French Language Arts 30-1, 30-2 or equivalent. See §183.1.2(2).</p> <p>Note: French 30 (3 year) may be used for admission based on a successful French language <u>competency test administered prior to admission</u>.</p>

Current	Proposed
<p>15.15 Faculty of Science</p> <p>Admission to the Faculty of Science is competitive. The number of high school and transfer admissions or readmissions to the Faculty is limited. Presentation of the minimum application requirements does not assure admission. Applicants will be assessed on the basis of their academic records as described below.</p> <p>15.15.1 Bachelor of Science (BSc) (General)</p> <p>I. High School Applicants High school applicants will be considered for admission based on their matriculation average on the five subject requirements. See §14.4.2 for minimum grade and admission average requirements.</p> <p>Subject Requirements</p> <ol style="list-style-type: none"> (1) English Language Arts 30-1. (2) Pure Mathematics 30 or 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>Note: The Faculty of Science offers a large number of programs. Refer to Admission Chart 5 for recommendations regarding choice of optional subjects.</p> <p>II. Nonmatriculated Applicants Nonmatriculated applicants are considered for admission based on their average on the three subject requirements noted below.</p> <p>Subject Requirements</p> <ol style="list-style-type: none"> (1) Pure Mathematics 30 or 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>Other Requirements</p> <ol style="list-style-type: none"> (1) A grade of at least 50% in each required subject is required for consideration. (2) See also general nonmatriculated requirements §14.3. <p>Note: Applicants should contact the Faculty of Science regarding choice of the Group C (science) subjects.</p> <p>III. Transfer Applicants A transfer applicant is any applicant who has ever registered at any postsecondary institution. See §15.15.7 for information pertaining to the admission and readmission of transfer applicants.</p> <p>IV. After Degree Applicants After Degree applicants must declare a major and minor on application to the program (see §193.5).</p> <p>15.15.2 BSc General—Minor in Business</p> <p>Admission of BSc General program students to the minor in Business is competitive. As described below, admission to the minor is by application at the end of Year 1.</p> <p>Admission Requirements</p>	<p>15.15 Faculty of Science</p> <p>Admission to the Faculty of Science is competitive. The number of high school and transfer admissions or readmissions to the Faculty is limited. Presentation of the minimum admissions requirements does not assure admission. Applicants will be assessed on the basis of their academic records as described below.</p> <p>15.15.1 Bachelor of Science (BSc) (General)</p> <p>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 §14.4.2 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 pre-requisites that must be met in addition to the subjects used for admission. Please see http://www.science.ualberta.ca/en/ProspectiveStudents/ScienceDegrees.aspx for more information.</p> <p>Required Admission Subjects</p> <ol style="list-style-type: none"> (1) English Language Arts 30-1. (2) Pure Mathematics 30 or 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>II. Nonmatriculated Applicants Nonmatriculated applicants are considered for admission based on their average on the three admission subjects noted below.</p> <p>Required Admission Subjects</p> <ol style="list-style-type: none"> (1) Pure Mathematics 30 or 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>Other Requirements</p> <ol style="list-style-type: none"> (1) A grade of at least 50% in each admission subject is required for consideration. (2) See also general nonmatriculated requirements §14.3. <p>Note: Applicants should contact the Faculty of Science regarding choice of the Group C (science) subjects.</p> <p>III. Transfer Applicants A transfer applicant is any applicant who has ever registered at any postsecondary institution. See §15.15.7 for information pertaining to the admission and readmission of transfer applicants.</p> <p>IV. After Degree Applicants After Degree applicants must declare a major and minor on application to the program (see §193.5).</p> <p>15.15.2 BSc General—Minor in Business</p> <p>Admission of BSc General program students to the minor in Business is competitive. As described below, admission to the minor is by application at the end of Year 1.</p> <p>Admission Requirements</p> <ol style="list-style-type: none"> (1) Present an AGPA of at least 2.3 [the AGPA is calculated as defined in §14.2.1(1) and (2) Present an average of at least 2.3 on the following courses which

- (1) Present an AGPA of at least 2.3 [the AGPA is calculated as defined in §14.2.1(1) and
- (2) Present an average of at least 2.3 on the following courses which must have been successfully completed:
- « 6 junior English
 - ECON 101, and 102
 - One of MATH 113, 114 or 117
 - « 3 additional in Mathematical Sciences (Mathematics, Computing Science, or Statistics)
 - « 6 chosen from Biological Sciences, Chemistry, Earth Sciences, Physics or Science Psychology.

In ranking applicants for admission to the quota, 40% weight is given to the applicant's AGPA and 60% weight to the applicant's average on the required courses listed above. If an applicant has repeated a course, the first passing grade is used to calculate the applicant's ranking. Admission to the minor in Business is normally at the end of Year 1, and preference is given to students who apply at that point in their program. With the exception of ECON 101, applicants who do not have all the required prerequisites noted, but who have a competitive GPA are encouraged to apply. If admitted, such students will make up any course deficiencies during the first Fall/Winter in the Business Minor program.

15.15.3 BSc (Honors)

Admission to the first year of an Honors program requires a minimum overall application average of 80% on the five required subjects with the approval of the Faculty Office and the Department concerned. A request for this privilege should be made on the Application for Admission.

Students need not commit themselves to Honors in the first year and may register in a full course load («30) and an appropriate selection of courses as required by the regulations of a four year program. If a sufficiently high standard on a minimum of «30 is obtained in the first year, students may enter Honors in the second year. Students desiring to do so must submit 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 of 3.0 in each of the preceding Fall/Winters and completion of a minimum of «30 in the Fall/Winter preceding transfer to the Honors program. (Certain departments require a higher GPA or specific subject requirements. See Admission Chart 5.)

Applications for transfer to Honors submitted by students who have completed the second or even third year of another program are considered, subject to the normal application deadlines.

Specific admission requirements for each Honors program are detailed in Admission Chart 5.

15.15.4 Bachelor of Science (Specialization)

Permission to enter the first year of a Specialization program normally requires an application average of at least 75% on the five required subjects plus consent of Department and the Faculty Office.

must have been successfully completed:

- « 6 junior English
- ECON 101, and 102
- One of MATH 113, 114 or 117
- « 3 additional in Mathematical Sciences (Mathematics, Computing Science, or Statistics)
- « 6 chosen from Biological Sciences, Chemistry, Earth Sciences, Physics or Science Psychology.

In ranking applicants for admission to the quota, 40% weight is given to the applicant's AGPA and 60% weight to the applicant's average on the required courses listed above. If an applicant has repeated a course, the first passing grade is used to calculate the applicant's ranking. Admission to the minor in Business is normally at the end of Year 1, and preference is given to students who apply at that point in their program. With the exception of ECON 101, applicants who do not have all the required prerequisites noted, but who have a competitive GPA are encouraged to apply. If admitted, such students will make up any course deficiencies during the first Fall/Winter in the Business Minor program.

15.15.3 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 pre-requisites that must be met in addition to the subjects used for admission. Please see <http://www.science.ualberta.ca/en/ProspectiveStudents/ScienceDegrees.aspx> for more information.

Unless otherwise stated in Admissions Chart 5, the required admission subjects for the BSc (Honors) are:

- English Language Arts 30-1.
- Pure Mathematics 30 or Mathematics 30-1.
- Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level-Career and Technology Studies (CTS) (5 Credits).
- Subject from Group A, B, or C

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 Chart 5 for specific details for each program).

15.15.4 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 pre-requisites that must be met in addition to the subjects used for admission. Please see <http://www.science.ualberta.ca/en/ProspectiveStudents/ScienceDegrees.aspx> for more information.

Unless otherwise stated in Chart 5, the required admission subjects for the BSc (Specialization) are:

- English Language Arts 30-1.
- Pure Mathematics 30 or Mathematics 30-1.
- Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level-Career and Technology

<p>Admission beyond first year requires a minimum GPA of 2.3 in each of the preceding Fall/Winters. (Certain departments require a higher GPA or specific subject requirements. Refer to Chart 5 for specific details for each program.) Specific admission requirements for each Specialization program are detailed in Admission Chart 5.</p> <p>15.15.5 BSc (Honors) and BSc (Specialization) Admission Requirements</p> <p>See Admission Chart 5.</p> <p>15.15.6 BSc/BEd—Bachelor of Science (Specialization in Science and Education) and Bachelor of Education (Secondary) Combined Degrees</p> <p>I. High School Applicants High School applicants will be considered for admission based on the matriculation average on the five subject requirements. A minimum average of 75% is required for consideration.</p> <p>Subject Requirements</p> <ol style="list-style-type: none"> (1) English Language Arts 30-1 (2) Pure Mathematics 30 or Mathematics 30-1 (3) Biology 30 (4) Chemistry 30 (5) Subject from Group A, B or C (Physics 30 recommended) <p>II. Nonmatriculated Applicants Nonmatriculated applicants are considered for admission based on their average on the three subject requirements noted below. A minimum average of 75% is required for consideration.</p> <p>Subject Requirements</p> <ol style="list-style-type: none"> (1) Pure Mathematics 30 or Mathematics 30-1 (2) Biology 30 (3) Chemistry 30 <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)/BEEd (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)/BEEd (Secondary) program has been successfully completed (see §193.4). <p>V. Transfer Applicants</p> <ol style="list-style-type: none"> (1) Transfer into the BSc (Specialization in Science and Education)/BEEd (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 	<p><u>Studies (CTS) (5 Credits).</u></p> <p><u>(4) Subject from Group A, B, or C</u> <u>Note: The Faculty of Science offers a large number of programs. Refer to Admission Chart 5 for recommendations regarding choice of optional subjects.</u></p> <p><u>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 Chart 5 for specific details for each program).</u></p> <p>15.15.5 BSc (Honors) and BSc (Specialization) Admission Requirements</p> <p>See Admission Chart 5.</p> <p>15.15.6 BSc/BEd—Bachelor of Science (Specialization in Science and Education) and Bachelor of Education (Secondary) Combined Degrees</p> <p>I. High School Applicants High School applicants will be considered for admission based on the average on the <u>required five admission subjects outlined below</u>. A minimum average of 75% is required for consideration.</p> <p>Required Admission Subjects</p> <ol style="list-style-type: none"> (1) English Language Arts 30-1 (2) Pure Mathematics 30 or Mathematics 30-1 (3) Biology 30 (4) Chemistry 30 (5) Subject from Group A, B or C (Physics 30 recommended) <p>II. Nonmatriculated Applicants Nonmatriculated applicants are considered for admission based on their average on the three subject requirements noted below. A minimum average of 75% is required for consideration.</p> <p>Required Admission Subjects</p> <ol style="list-style-type: none"> (1) Pure Mathematics 30 or Mathematics 30-1 (2) Biology 30 (3) Chemistry 30 <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)/BEEd (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)/BEEd (Secondary) program has been successfully completed (see §193.4). <p>V. Transfer Applicants</p> <ol style="list-style-type: none"> (1) Transfer into the BSc (Specialization in Science and Education)/BEEd (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
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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.

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.

Note: A minimum AGPA of 2.3 will be required for all transfer applicants.

15.15.7 Transfer Students

- (1) All transfer applicants must meet the ~~specific subject requirements~~ as outlined in §15.15 to be eligible for consideration. They must be in satisfactory standing by the standards of the Faculty of Science (see §192.5) and present an Admission Grade Point Average (AGPA) on their postsecondary work of at least 2.0 (see §14.2.1). Applicants who have been required to withdraw from the Faculty of Science at the University of Alberta and have discontinued studies as outlined in §192.5 are also eligible for consideration.

In determining the AGPA of any applicant, all attempted courses are deemed 'transferable' if they are transferable to the University of Alberta. If an applicant has repeated a course in which he/she previously obtained a passing grade at any institution, the repeated instance is not considered transferable and its grade will not be used in determining the AGPA.

Transfer credit will be given for university transferable coursework with a minimum grade of C- as applicable to the applicant's degree program in the Faculty of Science.

- a. Applicants who have never been required to withdraw (or equivalent by the standards of the Faculty of Science) in their postsecondary education and who have successfully completed « 24 or more transferable to the University of Alberta will be considered for admission or readmission on the basis of their AGPA and any other admission requirements applicable to the program that they are seeking.
- b. Applicants who have never been required to withdraw (or equivalent by the standards of the Faculty of Science) in their postsecondary education and who have successfully completed between « 9 and ~~« 24~~ transferable to the University of Alberta will be considered for admission on the basis of both their high school average on the five required courses and their postsecondary AGPA. In order to be considered, the high school average must meet the minimum competitive average required for the program, and a minimum postsecondary AGPA of 2.0 must be presented.

Applicants with less than « 9 of transferable postsecondary work will be considered for admission only on the basis of their high school average on the five required courses.

- c. Applicants with one previous requirement to withdraw (or equivalent by the standards of the Faculty of Science) in their postsecondary education and who have chosen to qualify for readmission by taking further postsecondary work will be considered for admission or readmission as follows: Subsequent to having been required to withdraw, such applicants must have successfully completed either a minimum of « 18 transferable to the University of Alberta with a minimum 2.7 AGPA or a minimum of « 24 transferable to the University of Alberta with a minimum AGPA of 2.0.
- d. Applicants with one previous requirement to withdraw from the Faculty of Science who have discontinued studies for at least one year may be considered for Fall readmission to the BSc General program on probation, subject to terms specified by the Senior Associate Dean. For students who have chosen to discontinue studies, if any coursework was attempted at any institution during this period, the grades

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.

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.

Note: A minimum AGPA of 2.3 will be required for all transfer applicants.

15.15.7 Transfer Students

- (1) All transfer applicants must meet the admission subject requirements as outlined in §15.15 to be eligible for consideration. They must be in satisfactory standing by the standards of the Faculty of Science (see §192.5) and present an Admission Grade Point Average (AGPA) on their postsecondary work of *at least* 2.0 (see §14.2.1). Applicants who have been required to withdraw from the Faculty of Science at the University of Alberta and have discontinued studies as outlined in §192.5 are also eligible for consideration.

In determining the AGPA of any applicant, all attempted courses are deemed 'transferable' if they are transferable to the University of Alberta. If an applicant has repeated a course in which he/she previously obtained a passing grade at any institution, the repeated instance is not considered transferable and its grade will not be used in determining the AGPA.

Transfer credit will be given for university transferable coursework with a minimum grade of C- as applicable to the applicant's degree program in the Faculty of Science.

- a. Applicants who have never been required to withdraw (or equivalent by the standards of the Faculty of Science) in their postsecondary education and who have successfully completed « 24 or more transferable to the University of Alberta will be considered for admission or readmission on the basis of their AGPA and any other admission requirements applicable to the program that they are seeking.
- b. Applicants who have never been required to withdraw (or equivalent by the standards of the Faculty of Science) in their postsecondary education and who have successfully completed between « 9 and « 23.9 transferable to the University of Alberta will be considered for admission on the basis of both their high school average on the five required courses and their postsecondary AGPA. In order to be considered, the high school average must meet the minimum competitive average required for the program, and a minimum postsecondary AGPA of 2.0 must be presented.

Applicants with less than « 9 of transferable postsecondary work will be considered for admission only on the basis of their high school average on the five required courses.

- c. Applicants with one previous requirement to withdraw (or equivalent by the standards of the Faculty of Science) in their postsecondary education and who have chosen to qualify for readmission by taking further postsecondary work will be considered for admission or readmission as follows: Subsequent to having been required to withdraw, such applicants must have successfully completed either a minimum of « 18 transferable to the University of Alberta with a minimum 2.7 AGPA or a minimum of « 24 transferable to the University of Alberta with a minimum AGPA of 2.0.
- d. Applicants with one previous requirement to withdraw from the Faculty of Science who have discontinued studies for at least one year may be considered for Fall readmission to the BSc General program on probation, subject to terms specified by the Senior Associate Dean. For students who have chosen to discontinue studies, if any coursework was attempted at any institution during this period, the grades may be taken into consideration for readmission purposes, but transfer credit will not be granted.

may be taken into consideration for readmission purposes, but transfer credit will not be granted.

- e. Applicants who have failed Probation in the Faculty of Science or have been twice required to withdraw (or equivalent by the standards of the Faculty of Science) in their postsecondary education may seek consideration for readmission after a minimum five year period by submitting a written petition for readmission to the Senior Associate Dean. A formal application for readmission to the University of Alberta must be made by the appropriate deadline. If admission is offered, it will be on probation, subject to conditions specified by the Senior Associate Dean.

Applicants who have been required to withdraw three times (or the equivalent by the standards of the Faculty of Science) are ineligible for readmission to the Faculty of Science.

Applicants who have been expelled from any postsecondary institution are normally ineligible for admission to the Faculty of Science.

- (2) **Credit by special assessment:** A student who has completed systematic studies equitable to a 100-level course that would be eligible for credit in the Faculty of Science and who has been unable to obtain advanced standing may apply for credit by special assessment. Certain IB and AP courses, for instance, may qualify a student for consideration for credit by special assessment. The application process is initiated through the department offering the course. The department may require the student to write a regular final examination covering the material of the course being assessed. With the exception of students who are eligible for consideration as a result of having completed IB and AP courses (see §§16.1 and 16.2), credit by special assessment is normally not available in laboratory courses. A fee for credit by special assessment will be levied by the Office of the Registrar except in the case of IB and AP courses. Credit by Special Assessment is not offered in courses in which a student has previously received a failing grade. See §14.2.4 for further information.

15.15.8 Aboriginal Applicants

Please refer to §14.1 for regulations and requirements.

15.15.9 Visiting Students

Students from other universities or colleges are eligible to be considered for admission to the Faculty of Science as visiting students if

- (1) They are degree program students at their home institution;
- (2) Their home institution provides a letter of permission;
- (3) They have completed a minimum of « 24 at the home institution;
- (4) Their academic record shows satisfactory standing.

Priority for visiting student status is given to students who are applying under the auspices of a formal exchange program. Visiting student status is granted for one academic year. Visiting students must reapply each year and present a new letter of permission from their home institution. As the Faculty of Science is a limited enrolment Faculty, visiting student admissions may be restricted.

15.15.10 Special Students

Special students are those who have been permitted to register over a one year period in one or more courses which are not being taken for credit toward a degree program. To be considered for admission as a special student, applicants must normally have received a university degree in science from an accredited postsecondary institution, must present a competitive admission grade point average, must meet English language proficiency requirements specified in §13.3 and must provide a written letter of intent to the Faculty of Science Student Services Office by the application deadline. Priority in admission is given to applicants to degree programs and to applicants who have not previously attended as special students. There may be a limit on the number of special students admitted each year because the Faculty of Science is under enrolment management. Special students

- e. Applicants who have failed Probation in the Faculty of Science or have been twice required to withdraw (or equivalent by the standards of the Faculty of Science) in their postsecondary education may seek consideration for readmission after a minimum five year period by submitting a written petition for readmission to the Senior Associate Dean. A formal application for readmission to the University of Alberta must be made by the appropriate deadline. If admission is offered, it will be on probation, subject to conditions specified by the Senior Associate Dean.

Applicants who have been required to withdraw three times (or the equivalent by the standards of the Faculty of Science) are ineligible for readmission to the Faculty of Science.

Applicants who have been expelled from any postsecondary institution are ineligible for admission to the Faculty of Science.

- (2) **Credit by special assessment:** A student who has completed systematic studies equitable to a 100- or 200-level course that would be eligible for credit in the Faculty of Science may apply for credit by special assessment. Certain IB and AP courses or completion of on-line courses, for instance, may qualify a student for consideration for credit by special assessment. The application process is initiated through the department offering the course. The department may require the student to write a regular final examination covering the material of the course being assessed. With the exception of students who are eligible for consideration as a result of having completed IB and AP courses (see §§16.1 and 16.2), credit by special assessment is normally not available in laboratory courses. A fee for credit by special assessment will be levied by the Office of the Registrar except in the case of IB and AP courses. Credit by Special Assessment is not offered in courses in which a student has previously received a failing grade. See §14.2.4 for further information.

15.15.8 Aboriginal Applicants

Please refer to §14.1 for regulations and requirements.

15.15.9 Visiting Students

Students from other universities or colleges are eligible to be considered for admission to the Faculty of Science as visiting students if

- (1) They are degree program students at their home institution;
- (2) Their home institution provides a letter of permission;
- (3) They have completed a minimum of « 24 at the home institution;
- (4) Their academic record shows satisfactory standing.

Priority for visiting student status is given to students who are applying under the auspices of a formal exchange program. Visiting student status is granted for one academic year. Visiting students must reapply each year by presenting a new letter of permission from their home institution and meeting the competitive GPA on their most recent University of Alberta course work. As the Faculty of Science is a limited enrolment Faculty, visiting student admissions may be restricted.

15.15.10 Special Students

Special students are those who have been permitted to register over a one year period in one or more courses which are not being taken for credit toward a degree program. To be considered for admission as a special student, applicants must normally have received a university degree in science from an accredited postsecondary institution, must present a competitive admission grade point average, must meet English language proficiency requirements specified in §13.3 and must provide a written letter of intent to the Faculty of Science Student Services Office by the application deadline. Priority in admission is given to applicants to degree programs and to applicants who have not previously attended as special students. There may be a limit on the number of special students admitted each year because the Faculty of Science is under enrolment management. Special students may not have access to all courses offered by Science departments.

may not have access to all courses offered by Science departments.

Admissions Chart 5

Applied Mathematics

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

Specialization Required Average

No Specialization program offered.

Requirements

English Language Arts 30-1

Pure Mathematics 30 or Mathematics 30-1

Physics 30

Mathematics 31

Subject from Group A, B, or C

Astrophysics

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.

Requirements

English Language Arts 30-1

Pure Mathematics 30 or Mathematics 30-1

Physics 30

One of Mathematics 31 (recommended); Biology 30; Chemistry 30;

Computing Science (CSE) Advanced Level Career and Technology Studies (CTS) (5 Credits)

Subject from Group A, B, or C

Atmospheric Sciences

Honors Required Average

High School – minimum 80%

Transfer - a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter.

Requirements

English Language Arts 30-1

Pure Mathematics 30 or Mathematics 30-1

Physics 30

Chemistry 30

Subject from Group A, B, or C

Biochemistry

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.3 GPA on « 30 in each preceding Fall/Winter.

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.7 GPA on « 24 in each preceding Fall/Winter.

Requirements

English Language Arts 30-1

Pure Mathematics 30 or Mathematics 30-1

Biology 30

Chemistry 30

Physics 30

Biological Sciences (including Bioinformatics)

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

(Note: A minimum grade of B- is required in MICRB 265 and 311, if taken, in order to transfer to the Microbiology Honors program)

Admissions Chart 5

NOTE: Students should be aware that their chosen program may contain courses for which there are specific Grade 12 pre-requisites that must be met in addition to the subjects used for admission. Please see <http://www.science.ualberta.ca/en/ProspectiveStudents/ScienceDegrees.aspx> for more information.

Applied Mathematics

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

For admissions requirements, see §15.15.3

Specialization Required Average

No Specialization program offered.

Astrophysics

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

For admissions requirements, see §15.15.3

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.

For admissions requirements, see §15.15.4

Atmospheric Sciences

Honors Required Average

High School – minimum 80%

Transfer - a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

For admissions requirements, see §15.15.3

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter.

For admissions requirements, see §15.15.4

Biochemistry

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.3 GPA on « 30 in each preceding Fall/Winter.

For admissions requirements, see §15.15.3

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.7 GPA on « 24 in each preceding Fall/Winter.

For admissions requirements, see §15.15.4

Biological Sciences (including Bioinformatics)

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

(Note: A minimum grade of B- is required in MICRB 265 and 311, if taken, in order to transfer to the Microbiology Honors program)

For admissions requirements, see §15.15.3

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.

<p>Specialization Required Average High School – minimum 75% Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter. (Note: A minimum grade of B- is required in MICRB 265 and 311, if taken, in order to transfer to the Microbiology Honors program) Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Biology 30 Chemistry 30 Subject from Group A, B, or C (Physics 30 recommended)</p> <p>Cell Biology</p> <p>Honors Required Average High School – minimum 80% with approval of the Faculty of Science and the Department of Cell Biology. Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.</p> <p>Specialization Required Average High School – minimum 75% plus consent of the Faculty of Science and the Department of Cell Biology. Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE); Advanced Level Career and Technology Studies (CTS) (5 Credits) Subject from Group A, B, or C</p> <p>Chemistry</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.</p> <p>Specialization Required Average High School – minimum 75% Transfer – a minimum 2.3 GPA on all Chemistry courses and a minimum 2.3 GPA on « 18 in each preceding Fall/Winter.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Chemistry 30 Physics 30 Subject from Group A, B, or C (Mathematics 31 recommended)</p> <p>Computing Science</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter and a minimum 3.0 GPA on all CMPUT courses successfully completed and eligible for transfer.</p> <p>Specialization Required Average High School – minimum 75% Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter and a minimum 2.3 GPA on all CMPUT courses successfully completed and eligible for transfer.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE); Advanced Level Career and Technology Studies (CTS) (5 Credits) Subject from Group A, B, or C</p> <p>Computing Science - Business Minor</p> <p>Honors Required Average No Honors program offered.</p> <p>Specialization Required Average High School – no Year 1 entry Transfer – Admission will be competitive and will require a minimum GPA of 2.3 on « 18 in each preceding Fall/Winter, a minimum 2.3 GPA on all CMPUT courses successfully completed and eligible for transfer, and completion of CMPUT 174, 175, MATH 114, 115, « 6 junior English, « 6 in Science, « 6 in an approved option, which may include CMPUT 272. Those who have applied for the minor in Business will be considered by the Business Science Admissions Committee for the Business minor designation.</p>	<p>For admissions requirements, see §15.15.4</p> <p>Cell Biology</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter. For admissions requirements, see §15.15.3</p> <p>Specialization Required Average High School – minimum 75% Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter. For admissions requirements, see §15.15.4</p> <p>Chemistry</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter. For admissions requirements, see §15.15.3</p> <p>Specialization Required Average High School – minimum 75% Transfer – a minimum 2.3 GPA on all Chemistry courses and a minimum 2.3 GPA on « 18 in each preceding Fall/Winter. For admissions requirements, see §15.15.4</p> <p>Computing Science</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter and a minimum 3.0 GPA on all CMPUT courses successfully completed and eligible for transfer. For admissions requirements, see §15.15.3</p> <p>Specialization Required Average High School – minimum 75% Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter and a minimum 2.3 GPA on all CMPUT courses successfully completed and eligible for transfer. For admissions requirements, see §15.15.4</p> <p>Computing Science - Business Minor</p> <p>Honors Required Average No Honors program offered.</p> <p>Specialization Required Average High School – no Year 1 entry Transfer – Admission will be competitive and will require a minimum GPA of 2.3 on « 18 in each preceding Fall/Winter, a minimum 2.3 GPA on all CMPUT courses successfully completed and eligible for transfer, and completion of CMPUT 174, 175, MATH 114, 115, « 6 junior English, « 6 in Science, « 6 in an approved option, which may include CMPUT 272.</p>
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<p>Computing Science Specialization in Software Practice</p> <p>Honors Required Average No Honors program offered.</p> <p>Specialization Required Average High School – minimum 75% Transfer - a minimum 2.3 GPA on « 18 in each preceding Fall/Winter and a minimum 2.3 GPA on all CMPUT courses successfully completed and eligible for transfer.</p> <p>English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level Career and Technology Studies (CTS) (5 Credits) Subject from Group A, B or C</p> <p>Computing Science Specialization Stream in Bioinformatics</p> <p>Honors Required Average High School – minimum 80% Transfer - a minimum 3.0 GPA on « 24 in each preceding Fall/Winter and a minimum 3.0 GPA on all CMPUT courses successfully completed and eligible for transfer.</p> <p>Specialization Required Average High School – minimum 75% Transfer - a minimum 2.3 GPA on « 18 in each preceding Fall/Winter and a minimum 2.3 GPA on all CMPUT courses successfully completed and eligible for transfer.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Two of Biology 30; Chemistry 30; Mathematics 31; Physics 30; Computing Science (CSE) Advanced Level Career and Technology Studies (CTS) (5 Credits) Subject from Group A, B or C</p> <p>Environmental Earth Sciences</p> <p>Honors Required Average Admission to this program is subject to enrolment management and is therefore competitive. High School – no Year 1 entry Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter and completion of the course requirements outlined at right.</p> <p>Specialization Required Average Admission to this program is subject to enrolment management and is therefore competitive. High School – no Year 1 entry Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter and completion of the course requirements outlined at right.</p> <p>Requirements Course requirements: Of the required first year courses for the program, successful completion of at least: EAS 100 and 105 CHEM 101 MATH 113 or 114 PHYS 124 or 144</p> <p>Geology</p> <p>Honors Required Average Admission to this program is subject to enrolment management and is therefore competitive. High School – no Year 1 entry Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter and completion of the course requirements outlined at right. Admission to this program is subject to enrolment management and is therefore competitive.</p> <p>Specialization Required Average High School – no Year 1 entry Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter and completion of the course requirements outlined at right.</p> <p>Requirements Course requirements: Of the required first year courses for the program, successful completion of at least: EAS 100 and 105 CHEM 101</p>	<p>Computing Science Specialization in Software Practice</p> <p>Honors Required Average No Honors program offered.</p> <p>Specialization Required Average Transfer - a minimum 2.3 GPA on « 18 in each preceding Fall/Winter and a minimum 2.3 GPA on all CMPUT courses successfully completed and eligible for transfer. For admissions requirements, see §15.15.4</p> <p>Computing Science Specialization Stream in Bioinformatics</p> <p>Honors Required Average High School – minimum 80% Transfer - a minimum 3.0 GPA on « 24 in each preceding Fall/Winter and a minimum 3.0 GPA on all CMPUT courses successfully completed and eligible for transfer. For admissions requirements, see §15.15.3</p> <p>Specialization Required Average High School – minimum 75% Transfer - a minimum 2.3 GPA on « 18 in each preceding Fall/Winter and a minimum 2.3 GPA on all CMPUT courses successfully completed and eligible for transfer. For admissions requirements, see §15.15.4</p> <p>Environmental Earth Sciences</p> <p>Honors Required Average Admission to this program is subject to enrolment management and is therefore competitive. High School – no Year 1 entry Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter and completion of the course requirements outlined at right.</p> <p>Specialization Required Average Admission to this program is subject to enrolment management and is therefore competitive. High School – no Year 1 entry Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter and completion of the course requirements outlined at right.</p> <p>Requirements Course requirements: Of the required first year courses for the program, successful completion of at least: EAS 100 and 105 CHEM 101 MATH 113 or 114 PHYS 124 or 144</p> <p>Geology</p> <p>Honors Required Average Admission to this program is subject to enrolment management and is therefore competitive. High School – no Year 1 entry Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter and completion of the course requirements outlined at right. Admission to this program is subject to enrolment management and is therefore competitive.</p> <p>Specialization Required Average High School – no Year 1 entry Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter and completion of the course requirements outlined at right.</p> <p>Requirements Course requirements: Of the required first year courses for the program, successful completion of at least: EAS 100 and 105 CHEM 101</p>
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<p>MATH 113 or 114 PHYS 124 or 144</p> <p>Geophysics (Department of Physics)</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.</p> <p>Specialization Required Average High School – minimum 75% Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Chemistry 30 Physics 30 Subject from Group A, B, or C (Mathematics 31 recommended)</p> <p>Immunology and Infection</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.</p> <p>Specialization Required Average High School – minimum 75% Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Biology 30 Chemistry 30 Subject from Group A, B, or C (Physics 30 recommended)</p> <p>Mathematical Physics (Department of Physics)</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.</p> <p>Specialization Required Average No Specialization program offered.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Physics 30 Mathematics 31 Subject from Group A, B, or C</p> <p>Mathematics</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum GPA of 3.0 on « 24 in each preceding Fall/Winter.</p> <p>Specialization Required Average High School – minimum 75% Transfer – requires a GPA of at least 2.3 on all Mathematics courses taken which are eligible to be credited to the degree and successful completion of at least « 24 with a GPA of at least 2.3 in each preceding Fall/Winter.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Mathematics 31 One of Biology 30; Chemistry 30; Physics 30; Computing Science (CSE); Advanced Level Career and Technology Studies (CTS) (5 Credits) Subject from Group A, B, or C</p> <p>Mathematics (Computational Science) (Department of Mathematical and Statistical Sciences)</p> <p>Honors Required Average No Honors program offered.</p> <p>Specialization Required Average High School – minimum 75% Transfer – requires a GPA of at least 2.3 on the aggregate of all Mathematics, Statistics and Computing Science courses taken which are eligible to be credited to the degree and successful completion of at least « 24 with a GPA of at least 2.3 in each preceding Fall/Winter.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Mathematics 31 One of Biology 30; Chemistry 30; Physics 30; Computing Science (CSE); Advanced Level Career and Technology Studies (CTS) (5 Credits) Subject from Group A, B, or C</p>	<p>MATH 113 or 114 PHYS 124 or 144</p> <p>Geophysics (Department of Physics)</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.</p> <p>For admissions requirements, see §15.15.3</p> <p>Specialization Required Average High School – minimum 75% Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.</p> <p>For admissions requirements, see §15.15.4</p> <p>Immunology and Infection</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.</p> <p>For admissions requirements, see §15.15.3</p> <p>Specialization Required Average High School – minimum 75% Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.</p> <p>Mathematical Physics (Department of Physics)</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.</p> <p>For admissions requirements, see §15.15.3</p> <p>Specialization Required Average No Specialization program offered.</p> <p>Mathematics</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum GPA of 3.0 on « 24 in each preceding Fall/Winter.</p> <p>For admissions requirements, see §15.15.3</p> <p>Specialization Required Average High School – minimum 75% Transfer – requires a GPA of at least 2.3 on all Mathematics courses taken which are eligible to be credited to the degree and successful completion of at least « 24 with a GPA of at least 2.3 in each preceding Fall/Winter.</p> <p>For admissions requirements, see §15.15.4</p> <p>Mathematics (Computational Science) (Department of Mathematical and Statistical Sciences)</p> <p>Honors Required Average No Honors program offered.</p> <p>Specialization Required Average High School – minimum 75% Transfer – requires a GPA of at least 2.3 on the aggregate of all Mathematics, Statistics and Computing Science courses taken which are eligible to be credited to the degree and successful completion of at least « 24 with a GPA of at least 2.3 in each preceding Fall/Winter.</p> <p>For admissions requirements, see §15.15.4</p>
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<p>Mathematics and Economics</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.</p> <p>Specialization Required Average High School – minimum 75% Transfer – normally requires a GPA of at least 2.3 on the aggregate of all Mathematics and Economics courses taken which are eligible to be credited to the degree, and, in the student's most recent Fall/Winter, successful completion of at least « 24 with a GPA of at least 2.3 in each preceding Fall/Winter.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Mathematics 31 One of Biology 30; Chemistry 30; Physics 30; Computing Science (CSE) Advanced Level Career and Technology Studies (CTS) (5-Credits) Subject from Group A, B, or C</p> <p>Mathematics and Finance</p> <p>Honors Required Average No Honors program offered.</p> <p>Specialization Required Average High School – No Year 1 entry Transfer – Admission to this program is subject to enrolment management and is therefore competitive. For Year 2 entry – Students must have completed: at least « 24 in the preceding Fall/Winter with a GPA of at least 2.7, and Requirements 1-6 (inclusive) for Year 2 entry (see requirements at right) with a GPA of at least 2.7. For Year 3 Entry – Students must have completed: at least « 24 in each preceding Fall/ Winter with a GPA of at least 2.7, and « 60 applicable including the required courses for Year 3 entry (see requirements at right) with a GPA of at least 2.7.</p> <p>Requirements Course requirements for Year 2 entry: MATH 114, 115 MATH 125 STAT 151 CMPUT 101, or 174 and 175 ECON 101, 102 « 6 junior English, or « 3 junior ENGL and « 3 junior WRS Course Requirements for Year 3 entry: 1-6. Above MATH 214, 215 MATH 225 MATH 253 STAT 265, 266 ECON 281 « 9 in options</p> <p>Neuroscience</p> <p>(Faculty of Science and the Division of Neuroscience, Faculty of Medicine and Dentistry)</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.3 GPA on « 30 in each preceding Fall/Winter.</p> <p>Specialization Required Average No Specialization program offered.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1 Biology 30 Chemistry 30 Physics 30</p> <p>Paleontology</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.</p> <p>Specialization Required Average High School – minimum 75%. Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter.</p> <p>Requirements English Language Arts 30-1 Pure Mathematics 30 or Mathematics 30-1</p>	<p>Mathematics and Economics</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter. For admissions requirements, see §15.15.3</p> <p>Specialization Required Average High School – minimum 75% Transfer – normally requires a GPA of at least 2.3 on the aggregate of all Mathematics and Economics courses taken which are eligible to be credited to the degree, and, in the student's most recent Fall/Winter, successful completion of at least « 24 with a GPA of at least 2.3 in each preceding Fall/Winter. For admissions requirements, see §15.15.4</p> <p>Mathematics and Finance</p> <p>Honors Required Average No Honors program offered.</p> <p>Specialization Required Average High School – No Year 1 entry Transfer – Admission to this program is subject to enrolment management and is therefore competitive. For Year 2 entry – Students must have completed: at least « 24 in the preceding Fall/Winter with a GPA of at least 2.7, and Requirements 1-6 (inclusive) for Year 2 entry (see requirements at right) with a GPA of at least 2.7. For Year 3 Entry – Students must have completed: at least « 24 in each preceding Fall/ Winter with a GPA of at least 2.7, and « 60 applicable including the required courses for Year 3 entry (see requirements at right) with a GPA of at least 2.7.</p> <p>Requirements Course requirements for Year 2 entry: MATH 114, 115 MATH 125 STAT 151 CMPUT 101, or 174 and 175 ECON 101, 102 « 6 junior English, or « 3 junior ENGL and « 3 junior WRS Course Requirements for Year 3 entry: 1-6. Above MATH 214, 215 MATH 225 MATH 253 STAT 265, 266 ECON 281 « 9 in options</p> <p>Neuroscience</p> <p>(Faculty of Science and the Division of Neuroscience, Faculty of Medicine and Dentistry)</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.3 GPA on « 30 in each preceding Fall/Winter. For admissions requirements, see §15.15.3</p> <p>Specialization Required Average No Specialization program offered.</p> <p>Paleontology</p> <p>Honors Required Average High School – minimum 80% Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter. For admissions requirements, see §15.15.3</p> <p>Specialization Required Average High School – minimum 75% Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter. For admissions requirements, see §15.15.4</p>
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Biology 30
Chemistry 30
Subject from Group A, B or C

Pharmacology

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.3 GPA on all science courses taken in each preceding Fall/Winter, a minimum 3.3 GPA on « 30 in each preceding Fall/Winter, and a minimum grade of B+ in each Department of Pharmacology course.

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.7 GPA on all science courses taken in each preceding Fall/Winter, a minimum 2.7 GPA on « 24 in each preceding Fall/Winter, and a minimum 2.7 GPA in Department of Pharmacology courses for each preceding Fall/Winter.

Requirements

English Language Arts 30-1

Pure Mathematics 30 or Mathematics 30-1

Biology 30

Chemistry 30

Physics 30

Physics

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.

Requirements

English Language Arts 30-1

Pure Mathematics 30 or Mathematics 30-1

Physics 30

One of Mathematics 31 (recommended); Biology 30; Chemistry 30;

Computing Science (CSE) Advanced Level Career and Technology Studies

(CTS) (5 Credits)

Subject from Group A, B, or C

Physiology

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.3 GPA on « 30 in each preceding Fall/Winter and a minimum grade of B in PHYSL 212 and 214 or a minimum grade of A- in PHYSL 210.

Specialization Required Average

No Specialization program offered.

Requirements

English Language Arts 30-1

Pure Mathematics 30 or Mathematics 30-1

Biology 30

Chemistry 30

Physics 30

Planning

Honors Required Average

No Honors program offered.

Specialization Required Average

Admission to this program is subject to enrolment management and is therefore competitive. Alberta students may be given preference.

High School – minimum 75%

Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter.

Requirements

English Language Arts 30-1

Pure Mathematics 30 or Mathematics 30-1

Biology 30

One of Chemistry 30, Mathematics 31, Physics 30 or Computing Science

(CSE) Advanced Level Career and Technology Studies (CTS) (5 credits)

Subject from Group A, B, or C (Social 30-1 recommended)

A written statement outlining an interest in Planning, including any relevant volunteer or work experience. Submit the statement to the Planning advisor in the Department of Earth and Atmospheric Sciences by May 01.

Psychology

(See also §15.2.2 for BA admission requirements)

Honors Required Average

High School – No Year 1 entry

Pharmacology

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.3 GPA on all science courses taken in each preceding Fall/Winter, a minimum 3.3 GPA on « 30 in each preceding Fall/Winter, and a minimum grade of B+ in each Department of Pharmacology course.

For admissions requirements, see §15.15.3

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.7 GPA on all science courses taken in each preceding Fall/Winter, a minimum 2.7 GPA on « 24 in each preceding Fall/Winter, and a minimum 2.7 GPA in Department of Pharmacology courses for each preceding Fall/Winter.

For admissions requirements, see §15.15.4

Physics

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

For admissions requirements, see §15.15.3

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.

For admissions requirements, see §15.15.4

Physiology

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.3 GPA on « 30 in each preceding Fall/Winter and a minimum grade of B in PHYSL 212 and 214 or a minimum grade of A- in PHYSL 210.

For admissions requirements, see §15.15.3

Specialization Required Average

No Specialization program offered.

Planning

Honors Required Average

No Honors program offered.

Specialization Required Average

Admission to this program is subject to enrolment management and is therefore competitive. Alberta students may be given preference.

High School – minimum 75%

Transfer – a minimum 2.3 GPA on « 18 in each preceding Fall/Winter.

A written statement outlining an interest in Planning, including any relevant volunteer or work experience. Submit the statement to the Planning advisor in the Department of Earth and Atmospheric Sciences by May 01.

For admissions requirements, see §15.15.4

Psychology

(See also §15.2.2 for BA admission requirements)

Honors Required Average

High School – No Year 1 entry

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter and a minimum 3.3 GPA on attempted or completed Psychology and required

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter and a minimum 3.3 GPA on attempted or completed Psychology and required Statistics courses. Admission may take place only at the end of the second year (after completion of a minimum of « 48). Students must complete PSYCO 104 or SCI 100, PSYCO 105, 212; STAT 151; two of PSYCO 223, 233, 241, 258, and two of PSYCO 267, 275, 284; prior to application for admission. Acceptance is dependent upon obtaining approval from a potential research supervisor by August 7. Students planning to apply for admission should consult the Departmental Honors advisor.

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.

Requirements

English Language Arts 30-1

Biology 30

Pure Mathematics 30 or Mathematics 30-1

One of Mathematics 31 (recommended), Chemistry 30 or Physics 30

Subject from Group A, B or C

Statistics

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

Specialization Required Average

High School – minimum 75%

Transfer – requires a minimum 2.3 GPA on all Mathematics and Statistics courses taken which are eligible to be credited to the degree and successful completion of a minimum « 24 with a 2.3 GPA in each preceding Fall/Winter.

Requirements

English Language Arts 30-1

Pure Mathematics 30 or Mathematics 30-1

Two of Mathematics 31 (recommended), Biology 30, Chemistry 30 or

Physics 30

Subject from Group A, B, or C

Statistics courses. Admission may take place only at the end of the second year (after completion of a minimum of « 48). Students must complete PSYCO 104 or SCI 100, PSYCO 105, 212; STAT 151; two of PSYCO 223, 233, 241, and two of PSYCO 258, 275, 282; prior to application for admission. Acceptance is dependent upon obtaining approval from a potential research supervisor by August 7. Students planning to apply for admission should consult the Departmental Honors advisor.

Specialization Required Average

High School – minimum 75%

Transfer – a minimum 2.3 GPA on « 24 in each preceding Fall/Winter.

For admissions requirements, see §15.15.4

Statistics

Honors Required Average

High School – minimum 80%

Transfer – a minimum 3.0 GPA on « 24 in each preceding Fall/Winter.

For admissions requirements, see §15.15.3

Specialization Required Average

High School – minimum 75%

Transfer – requires a minimum 2.3 GPA on all Mathematics and Statistics courses taken which are eligible to be credited to the degree and successful completion of a minimum « 24 with a 2.3 GPA in each preceding Fall/Winter.

For admissions requirements, see §15.15.

193 Programs of Study

193 Programs of Study

193.1 BSc Honors Programs

193.1 BSc Honors Programs

A minimum of «120 normally taken in no more than five consecutive academic years is required to complete the Honors program for the degree of BSc with Honors. Some departments require that an Honors program be completed in four years, others permit five. See individual departments for details. These programs provide specialization in the chosen subject or subjects as well as the higher standard implied by the term “Honors.”

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Honors programs are available in the Departments of Biochemistry, Biological Sciences, Cell Biology, Chemistry, Computing Science, Earth and Atmospheric Sciences, Mathematical and Statistical Sciences, Neuroscience, Pharmacology, Physics, Physiology, and Psychology. Honors is the preferred program for students who plan graduate study.

Honors programs are available in the Departments of Biochemistry, Biological Sciences, Cell Biology, Chemistry, Computing Science, Earth and Atmospheric Sciences, Mathematical and Statistical Sciences, Neuroscience, Pharmacology, Physics, Physiology, and Psychology. Honors is the preferred program for students who plan graduate study.

Admission

See §15.15.3 for admission requirements.

Admission

See §15.15.3 for admission requirements.

Selection of Courses

Selection of Courses

NOTE: For success in your chosen program, ensure you have satisfied the pre/co-requisite requirements for all courses. Departments have the right to remove students from courses for failing to present a passing grade (or higher, where stipulated) in the pre-requisite course(s) and/or for failing to be enrolled in the co-requisite course(s). Please see <http://www.science.ualberta.ca/en/ProspectiveStudents/ScienceDegrees.aspx> for more information.

The following regulations govern Honors programs:

<p>The following regulations govern Honors programs:</p> <ol style="list-style-type: none"> (1) In each year, an Honors student's program must be approved by an Honors Advisor in the student's Department and by the Faculty Office. (2) A minimum of « 72 in Science is required in most Honors programs. Certain Departments may require more than « 72 in Science courses. (3) A student normally must take at least « 18 in Arts courses as part of the requirements for the Honors degree. (4) Normally, no more than « 42 in junior (100-level) courses are permitted in Honors programs. (5) Certain non-Arts and non-Science courses appropriate to the program may be permitted in Honors programs with the written approval of the Department directing the student's program. Applicants to the BSc Honors program who have taken non-Arts and non-Science courses before application will have the potential to transfer credit for such courses assessed at the time of admission to the program. <p>Course Load Requirements Students in Honors programs must complete « 24 or more during the Fall/Winter of each year of the program. In some Departments, Honors students are required to complete « 30 each Fall/Winter. See individual Departments for details. Exceptions to course load requirements must be approved in advance each year by the Department and the Faculty Office.</p> <p>Academic Standings and Graduation The following regulations govern Honors programs:</p> <ol style="list-style-type: none"> (1) Continuation in an Honors program is by recommendation of the department concerned and requires a GPA of at least 3.0 on a course load of « 24 or more in the preceding Fall/Winter periods. See description of Honors programs of individual departments for additional requirements relating to continuation in the Honors program. Students must be in good standing in the Honors program in order to graduate. (2) A student who fails to attain the standard necessary for continuance in Honors must withdraw from the Honors program. In so doing, the student may transfer to a Specialization program with the appropriate department's approval or to the General program in the Faculty of Science. Students applying to transfer from an Honors program to Specialization or General must meet the continuation standards for the program concerned. (3) A student who fails to complete the requirements for a degree with Honors in the fourth year may be granted the Specialization degree or the General degree on application if the courses taken and the standing attained are satisfactory. Such students must apply to transfer to a Specialization or General program. (4) Degrees with First Class Honors are awarded as per §192.7(4)a. and b. <p>Residence Requirement A student transferring to the Faculty of Science with advanced standing must complete at least « 60 applicable to the BSc program while registered at the University of Alberta. Normally, at least « 30 of the last « 60 must be completed while registered in the Faculty of Science.</p> <p>Time Limits for Program Completion All BSc Honors programs are designed to be four-year programs. However, in some cases the minimum course load requirements have been reduced to allow students the flexibility to complete the degree over a longer time period. Students wishing to extend their programs beyond the time frame dictated by the minimum course load requirement for their program must first obtain the written approval of the Department and the Senior Associate Dean of Science or designate.</p> <p>193.2 BSc Specialization</p>	<ol style="list-style-type: none"> (1) In each year, an Honors student's program must be approved by an Honors Advisor in the student's Department and by the Faculty Office. (2) A minimum of « 72 in Science is required in most Honors programs. Certain Departments may require more than « 72 in Science courses. (3) A student normally must take at least « 18 in Arts courses as part of the requirements for the Honors degree. (4) Normally, no more than « 42 in junior (100-level) courses are permitted in Honors programs. (5) Certain non-Arts and non-Science courses appropriate to the program may be permitted in Honors programs with the written approval of the Department directing the student's program. Applicants to the BSc Honors program who have taken non-Arts and non-Science courses before application will have the potential to transfer credit for such courses assessed at the time of admission to the program. <p>Course Load Requirements Students in Honors programs must complete « 24 or more during the Fall/Winter of each year of the program. In some Departments, Honors students are required to complete « 30 each Fall/Winter. See individual Departments for details. Exceptions to course load requirements must be approved in advance each year by the Department and the Faculty Office.</p> <p>Academic Standings and Graduation The following regulations govern Honors programs:</p> <ol style="list-style-type: none"> (1) Continuation in an Honors program is by recommendation of the department concerned and requires a GPA of at least 3.0 on a course load of « 24 or more in the preceding Fall/Winter periods. See description of Honors programs of individual departments for additional requirements relating to continuation in the Honors program. Students must be in good standing in the Honors program in order to graduate. (2) A student who fails to attain the standard necessary for continuance in Honors must withdraw from the Honors program. In so doing, the student may transfer to a Specialization program with the appropriate department's approval or to the General program in the Faculty of Science. Students applying to transfer from an Honors program to Specialization or General must meet the continuation standards for the program concerned. (3) A student who fails to complete the requirements for a degree with Honors in the fourth year may be granted the Specialization degree or the General degree on application if the courses taken and the standing attained are satisfactory. Such students must apply to transfer to a Specialization or General program. (4) Degrees with First Class Honors are awarded as per §192.7(4)a. and b. <p>Residence Requirement A student transferring to the Faculty of Science with advanced standing must complete at least « 60 applicable to the BSc program while registered at the University of Alberta. Normally, at least « 30 of the last « 60 must be completed while registered in the Faculty of Science.</p> <p>Time Limits for Program Completion All BSc Honors programs are designed to be four-year programs. However, in some cases the minimum course load requirements have been reduced to allow students the flexibility to complete the degree over a longer time period. Students wishing to extend their programs beyond the time frame dictated by the minimum course load requirement for their program must first obtain the written approval of the Department and the Senior Associate Dean of Science or designate.</p> <p>193.2 BSc Specialization Programs</p>
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Programs

Four-year programs, comprising a minimum of « 120, provide education to a professional level and lead to the degree of BSc with Specialization.

Specialization programs are available in the Departments of Biochemistry, Biological Sciences, Cell Biology, Chemistry, Computing Science, Earth and Atmospheric Sciences, Mathematical and Statistical Sciences, Pharmacology, Physics, and Psychology.

A five-year (« 150) BEd/BSc (Specialization in Science and Education) program with majors and minors in Biological, Mathematical, and Physical Sciences is also available (see §15.15.6 and 75.6).

Admission

See §15.15.4 for admission requirements.

Selection of Courses

The following regulations govern Specialization programs:

- (1) In each year, a Specialization student's program must be approved by a Specialization advisor in the appropriate Department and by the Faculty Office.
- (2) A minimum of « 72 in Science is required in most Specialization programs. Certain Departments may require more than « 72.
- (3) A student must take at least « 18 in Arts courses as part of the requirements for most Specialization degrees.
- (4) Normally, no more than « 42 in junior courses are permitted in Specialization programs.
- (5) Certain non-Arts and non-Science courses appropriate to the program may be permitted in Specialization programs with the prior written approval of the Department directing the student's program.

Applicants to the BSc Specialization program who have taken non-Arts and non-Science courses before application will have the potential transfer credit for such courses assessed at the time of admission to the program.

Course Load Requirements

To graduate in four years normally requires that BSc Specialization students take the usual full course load of « 30 in each Fall/Winter of the program. Students who wish to extend their programs are still expected to complete at least « 24 in each Fall/Winter of the program. Exceptions to course load requirements must be approved in advance each year by the Department and the Faculty Office. (See Time Limits for Completion of Program below.)

Academic Standings and Graduation

The following regulations govern Specialization programs:

- (1) Continuation in a Specialization program is by recommendation of the Department concerned and requires a GPA of at least 2.3 in each of the preceding Fall/Winter periods. See description of Specialization programs of individual departments for additional requirements relating to promotion in the Specialization program. Students must be in good standing in the Specialization program in order to graduate.
- (2) A student who fails to attain the standard necessary for continuation in the Specialization program will be required to withdraw from that program. In so doing, the student may apply to transfer to the General program in the Faculty. Students applying to transfer from a Specialization to the General program must meet the continuation GPA of 2.0.
- (3) A student who fails to complete the requirements for a Specialization degree in the fourth year may be granted the

Four-year programs, comprising a minimum of « 120, provide education to a professional level and lead to the degree of BSc with Specialization.

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A five-year (« 150) BEd/BSc (Specialization in Science and Education) program with majors and minors in Biological, Mathematical, and Physical Sciences is also available (see §15.15.6 and 75.6).

Admission

See §15.15.4 for admission requirements.

Selection of Courses

NOTE: For success in your chosen program, ensure you have satisfied the pre/co-requisite requirements for all courses. Departments have the right to remove students from courses for failing to present a passing grade (or higher, where stipulated) in the pre-requisite course(s) and/or for failing to be enrolled in the co-requisite course(s). Please see <http://www.science.ualberta.ca/en/ProspectiveStudents/ScienceDegrees.aspx> for more information.

The following regulations govern Specialization programs:

- (1) In each year, a Specialization student's program must be approved by a Specialization advisor in the appropriate Department and by the Faculty Office.
- (2) A minimum of « 72 in Science is required in most Specialization programs. Certain Departments may require more than « 72.
- (3) A student must take at least « 18 in Arts courses as part of the requirements for most Specialization degrees.
- (4) Normally, no more than « 42 in junior courses are permitted in Specialization programs.
- (5) Certain non-Arts and non-Science courses appropriate to the program may be permitted in Specialization programs with the prior written approval of the Department directing the student's program.

Applicants to the BSc Specialization program who have taken non-Arts and non-Science courses before application will have the potential transfer credit for such courses assessed at the time of admission to the program.

Course Load Requirements

To graduate in four years normally requires that BSc Specialization students take the usual full course load of « 30 in each Fall/Winter of the program. Students who wish to extend their programs are still expected to complete at least « 24 in each Fall/Winter of the program. Exceptions to course load requirements must be approved in advance each year by the Department and the Faculty Office. (See Time Limits for Completion of Program below.)

Academic Standings and Graduation

The following regulations govern Specialization programs:

- (1) Continuation in a Specialization program is by recommendation of the Department concerned and requires a GPA of at least 2.3 in each of the preceding Fall/Winter periods. See description of Specialization programs of individual departments for additional requirements relating to promotion in the Specialization program. Students must be in good standing in the Specialization program in order to graduate.
- (2) A student who fails to attain the standard necessary for continuation in the Specialization program will be required to withdraw from that program. In so doing, the student may apply to transfer to the General program in the Faculty. Students applying to transfer from a Specialization to the General program must meet the continuation GPA of 2.0.
- (3) A student who fails to complete the requirements for a Specialization degree in the fourth year may be granted the General degree forthwith on application if the courses taken and the standing attained are satisfactory. Such students must apply to

<p>General degree forthwith on application if the courses taken and the standing attained are satisfactory. Such students must apply to transfer to the General program.</p> <p>(4) For graduation, a program of at least « 120 credited to the degree.</p> <p>(5) BSc Specialization degrees with Distinction are awarded when students achieve a GPA of at least 3.5 on the last « 60 if the student was enrolled in a normal course load (minimum « 24) during each Fall/Winter of the last two years.</p> <p>Residence Requirement</p> <p>A student transferring to the Faculty of Science with advanced standing must complete at least « 60 applicable to the BSc program while registered at the University of Alberta. Normally, at least « 30 of the last « 60 must be completed while registered in the Faculty of Science.</p> <p>Time Limits for Completion of Program</p> <p>All BSc Specialization programs are designed to be four-year programs. However, in some cases the minimum course load requirements have been reduced to allow students the flexibility to complete the degree over a longer time period. Students wishing to extend their programs beyond the time frame dictated by the minimum course load requirement for their program must first obtain the written approval of the Department and the Senior Associate Dean of Science or designate.</p> <p>193.3 BSc General Program</p> <p>Please note that the Faculty of Science is revising the Bachelor of Science in the General Program degree requirements for all students admitted in Fall 2014 and thereafter. Please see http://www.science.ualberta.ca/en/UndergraduateStudents for a detailed listing of the approved program requirements.</p> <p>The BSc General program provides students with a diverse education in more than one branch of study and includes a major and minor subject or area of concentration. Students must major in a Science subject or area of concentration. Students may elect to minor in a Science subject or area of concentration, an Arts subject of concentration, an Agricultural, Life and Environmental Sciences minor, or a Business minor. In addition to providing a BSc General Degree, this program allows for subsequent transfer to Specialization and Honors programs. Students who intend to transfer to Honors programs in Biochemistry, Neuroscience, Pharmacology or Physiology must complete « 30 in each Fall/Winter preceding admission to the Honors program. All other students who intend to transfer to Honors programs must complete « 24 in each Fall/Winter preceding admission to the Honors program. Students enrolled in the General program who intend to transfer to another program should consult the appropriate admission requirements for the particular program of interest in §15.15 and carefully select their first-year core courses in accordance with the requirements of the specific program.</p> <p>Students who tentatively plan to transfer to an honors or specialization program should initially complete courses toward a Science or Arts minor in accordance with BSc General regulations.</p> <p>Admission</p> <p>See §15.15.1 for admission requirements for the BSc (General) programs.</p> <p>Selection of Courses</p> <p>The following regulations govern the General program:</p> <p>(1) A student's program must be approved by an advisor in the Faculty Office each academic year.</p>	<p>transfer to the General program.</p> <p>(4) For graduation, a program of at least « 120 credited to the degree.</p> <p>(5) BSc Specialization degrees with Distinction are awarded when students achieve a GPA of at least 3.5 on the last « 60 if the student was enrolled in a normal course load (minimum « 24) during each Fall/Winter of the last two years.</p> <p>Residence Requirement</p> <p>A student transferring to the Faculty of Science with advanced standing must complete at least « 60 applicable to the BSc program while registered at the University of Alberta. Normally, at least « 30 of the last « 60 must be completed while registered in the Faculty of Science.</p> <p>Time Limits for Completion of Program</p> <p>All BSc Specialization programs are designed to be four-year programs. However, in some cases the minimum course load requirements have been reduced to allow students the flexibility to complete the degree over a longer time period. Students wishing to extend their programs beyond the time frame dictated by the minimum course load requirement for their program must first obtain the written approval of the Department and the Senior Associate Dean of Science or designate.</p> <p>193.3 BSc General Program</p> <p>Please note that the Faculty of Science is revising the Bachelor of Science in the General Program degree requirements for all students admitted in Fall 2014 and thereafter. Please see http://www.science.ualberta.ca/en/UndergraduateStudents for a detailed listing of the approved program requirements.</p> <p>The BSc General program provides students with a diverse education in more than one branch of study and includes a major and minor subject or area of concentration. Students must major in a Science subject or area of concentration. Students may elect to minor in a Science subject or area of concentration, an Arts subject of concentration, an Agricultural, Life and Environmental Sciences minor, or a Business minor. In addition to providing a BSc General Degree, this program allows for subsequent transfer to Specialization and Honors programs. Students who intend to transfer to Honors programs in Biochemistry, Neuroscience, Pharmacology or Physiology must complete « 30 in each Fall/Winter preceding admission to the Honors program. All other students who intend to transfer to Honors programs must complete « 24 in each Fall/Winter preceding admission to the Honors program. Students enrolled in the General program who intend to transfer to another program should consult the appropriate admission requirements for the particular program of interest in §15.15 and carefully select their first-year core courses in accordance with the requirements of the specific program.</p> <p>Students who tentatively plan to transfer to an honors or specialization program should initially complete courses toward a Science or Arts minor in accordance with BSc General regulations.</p> <p>Admission</p> <p>See §15.15.1 for admission requirements for the BSc (General) programs.</p> <p>Selection of Courses</p> <p>NOTE: For success in your chosen program, ensure you have satisfied the pre/co-requisite requirements for all courses. Departments have the right to remove students from courses for failing to present a passing grade (or higher, where stipulated) in the pre-requisite course(s) and/or for failing to be enrolled in the co-requisite course(s). Please see http://www.science.ualberta.ca/en/ProspectiveStudents/ScienceDegrees.aspx for more information.</p> <p>The following regulations govern the General program:</p> <p>(1) A student's program must be approved by an advisor in the Faculty Office each academic year.</p>
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- (2) To obtain a BSc General Degree, a student must receive credit in « 120. At least « 72 and not more than « 102 must be in Science. At least « 18 and not more than « 48 must be in Arts.
- (3) Each student must complete a Science major. A minimum of « 36 and a maximum of « 48 are required in the major, with no more than « 18 at the junior level. At least « 12 must be 300-level or higher courses taken while registered in the Faculty of Science at the University of Alberta.
- Each student must also either
- Complete a second Science major. Students who complete a second Science major do not have a minor. The Double Majors will be recorded on their transcripts and diplomas; or
 - Complete a minor. The minor may be in Science, or in Agricultural, Life and Environmental Sciences, Arts or Business. For a list of Agricultural, Life and Environmental Sciences minors, see §193.3.1. For a list of Arts subjects available as a minor, refer to “Minors”. For information about admission to the Business minor, see §15.15.2. Requirements for a Business minor appear in §193.3.2. At least « 24 and not more than « 36 are required in the minor with no more than « 12 at the junior level. If the minor is a Science minor, at least « 6 must be in 300-level or higher courses taken while registered in the Faculty of Science at the University of Alberta. If the minor is an Arts minor, additional requirements as specified by the Arts Department may be required. Students are responsible for meeting any additional departmental requirements as specified by the Faculty of Arts.

Majors

A Science major consists of Science courses taken from one of the following nine subject areas:

Biological Sciences (see Note 1): Choose courses from BIOCH, BIOIN, BIOL, BOT, CELL, ENT, GENET, IMIN, MA SC, MICRB, MMI (with the exception of 133), NEURO, PALEO, PHYSL (with the exception of 600), PMCOL (with the exception of 300), ZOOL

Chemistry: Choose courses from BIOCH, CHEM.

Computing Science: Choose courses from CMPUT.

Earth and Atmospheric Sciences: Choose courses from Science EAS courses, GEOPH, PALEO.

Mathematical Sciences: Choose courses from BIOIN, CMPUT, MA PH, MATH, STAT.

Mathematics: Choose courses from MATH, MA PH.

Physical Sciences: Choose courses from ASTRO, BIOCH, CHEM, GEOPH, MA PH, PHYS.

Physics: Choose courses from ASTRO, GEOPH, MA PH, PHYS.

Science Psychology: Choose courses from Science PSYCO courses.

Statistics: Choose courses from STAT.

Notes

- For additional Biological Science courses and information see §194.2.6, 194 and 195.3.
- Course subjects must be used for either the major or minor, they may not be split between the two. For double majors please see §193 (3.a).
- EAS 323 may be used as a Physical Science or Chemistry course.

Minors

A Science minor consists of Science courses taken from one of the following areas: Biological Sciences, Chemistry, Computing Science, Earth and Atmospheric Sciences (Science EAS), Mathematical Sciences, Mathematics, Physical Sciences, Physics, Psychology (Science PSYCO), or Statistics. For information about the BSc General – minor in Agricultural, Life and Environmental Sciences, see §193.3.1. For information about the BSc General – minor in Business, see §193.3.2.

If the minor is from the Faculty of Arts, further requirements as specified by the Arts Department must be met. See Faculty of Arts §43.1 to 44.33 for specific requirements for minors, by Department. The following Arts subjects may be taken as a minor: Anthropology; Art and Design; Biblical Hebrew; Central/East European Studies; Chinese; Christian Theology; Classical Studies; Classical Languages;

- (2) To obtain a BSc General Degree, a student must receive credit in « 120. At least « 72 and not more than « 102 must be in Science. At least « 18 and not more than « 48 must be in Arts.

- (3) Each student must complete a Science major. A minimum of « 36 and a maximum of « 48 are required in the major, with no more than « 18 at the junior level. At least « 12 must be 300-level or higher courses taken while registered in the Faculty of Science at the University of Alberta.

Each student must also either

- Complete a second Science major. Students who complete a second Science major do not have a minor. The Double Majors will be recorded on their transcripts and diplomas; or
- Complete a minor. The minor may be in Science, or in Agricultural, Life and Environmental Sciences, Arts or Business. For a list of Agricultural, Life and Environmental Sciences minors, see §193.3.1. For a list of Arts subjects available as a minor, refer to “Minors”. For information about admission to the Business minor, see §15.15.2. Requirements for a Business minor appear in §193.3.2. At least « 24 and not more than « 36 are required in the minor with no more than « 12 at the junior level. If the minor is a Science minor, at least « 6 must be in 300-level or higher courses taken while registered in the Faculty of Science at the University of Alberta. If the minor is an Arts minor, additional requirements as specified by the Arts Department may be required. Students are responsible for meeting any additional departmental requirements as specified by the Faculty of Arts.

Majors

A Science major consists of Science courses taken from one of the following nine subject areas:

Biological Sciences (see Note 1): Choose courses from BIOCH, BIOIN, BIOL, BOT, CELL, ENT, GENET, IMIN, MA SC, MICRB, MMI (with the exception of 133), NEURO, PALEO, PHYSL (with the exception of 600), PMCOL (with the exception of 300), ZOOL

Chemistry: Choose courses from BIOCH, CHEM.

Computing Science: Choose courses from CMPUT.

Earth and Atmospheric Sciences: Choose courses from Science EAS courses, GEOPH, PALEO.

Mathematical Sciences: Choose courses from BIOIN, CMPUT, MA PH, MATH, STAT.

Mathematics: Choose courses from MATH, MA PH.

Physical Sciences: Choose courses from ASTRO, BIOCH, CHEM, GEOPH, MA PH, PHYS.

Physics: Choose courses from ASTRO, GEOPH, MA PH, PHYS.

Science Psychology: Choose courses from Science PSYCO courses.

Statistics: Choose courses from STAT.

Notes

- For additional Biological Science courses and information see §194.2.6, 194 and 195.3.
- Course subjects must be used for either the major or minor, they may not be split between the two. For double majors please see §193 (3.a).
- EAS 323 may be used as a Physical Science or Chemistry course.

Minors

A Science minor consists of Science courses taken from one of the following areas: Biological Sciences, Chemistry, Computing Science, Earth and Atmospheric Sciences (Science EAS), Mathematical Sciences, Mathematics, Physical Sciences, Physics, Psychology (Science PSYCO), or Statistics. For information about the BSc General – minor in Agricultural, Life and Environmental Sciences, see §193.3.1. For information about the BSc General – minor in Business, see §193.3.2.

If the minor is from the Faculty of Arts, further requirements as specified by the Arts Department must be met. See Faculty of Arts §43.1 to 44.33 for specific requirements for minors, by Department. The following Arts subjects may be taken as a minor: Anthropology; Art and Design; Biblical Hebrew; Central/East European Studies; Chinese; Christian Theology; Classical Studies; Classical Languages; Comparative Literature; Creative Writing; Drama; East Asian Studies;

Comparative Literature; Creative Writing; Drama; East Asian Studies; Economics; English; Film Studies; French; Human Geography (see Note); German; History, Ancient or Medieval History, History of Art, Design and Visual Culture; International Studies; Italian; Japanese; Latin American Studies; Linguistics; Middle Eastern and African Studies; Music; Native Studies; Philosophy; Polish; Political Science; Arts Psychology (see Note); Religious Studies; Russian; Scandinavian; Science, Technology and Society; Sociology; Spanish; Ukrainian; Women's Studies.

Note: The major and minor may not share courses from the same department. The following combinations are not allowed:

Arts Psychology/Science Psychology

Courses in the major and minor may not overlap. For example, if the major is Mathematical Sciences, and the minor is Statistics, the major may be made up of Mathematics courses and Computing Science courses, but no Statistics courses. The minor would consist exclusively of Statistics courses.

Students who major in Earth and Atmospheric Sciences are allowed to minor in Human Geography. For such students, all EAS (Faculty of Science) courses count towards their major in EAS; all HGP (Faculty of Arts) courses count towards their minor in Human Geography. See §44.15.1 for other requirements for the Minor in Human Geography.

(4) The General program features a first-year core of courses which must include the following:

- a. « 6 junior ENGL or « 3 junior ENGL and « 3 junior WRS
- b. « 6 from among junior courses offered by the Departments of Computing Science, and Mathematical and Statistical Sciences (CMPUT 101 or 114 or 174; CMPUT 115 or 175; MATH 113 or 114 or 117; MATH 115 or 118; MATH 125; MATH 153; STAT 141 or 151
- c. « 6 from among junior courses in the Departments of Chemistry or Physics (ASTRO 120, 122; CHEM 101, 102, 164; PHYS 114, 124, 126, 144, 146)
- d. « 6 from among junior Science courses titled Biology, Earth and Atmospheric Sciences, or Science Psychology (BIOL 107, 108; EAS 100, 105; PSYCO 104)

(5) Normally, at least « 30 at the junior level must be successfully completed before a student may register in senior-level courses.

(6) Not more than « 42 of all courses taken can be at the junior level.

(7) Each student must successfully complete a minimum of « 12 at the 300-level (or higher) in the major and, in addition, at least « 6 at the 300-level (or higher) in the minor while registered in the Faculty of Science at the University of Alberta.

(8) Subject to receiving written approval from the Faculty of Science Office before registration, a maximum of « 12 may be taken from Faculties other than Arts or Science. For applicants to the BSc General who have already taken courses from Faculties other than Arts or Science, potential transfer credit for such courses will be assessed at the time of admission to the program.

Such subjects are not included as part of the major or minor, nor toward the minimum requirement of « 18 in Arts, nor toward the minimum requirement of « 72 in Science.

Note: In Women's Studies minor, courses not in Arts or Science but in the list of "cross-listed courses" may count toward the minor in Women's Studies (see §44.33).

Course Load Requirements

Students in the General program should normally take « 30 during the Fall/Winter of each year of the program.

Academic Standing and Graduation

The following regulations govern General Programs:

- (1) To obtain a BSc General degree, a minimum 2.0 GPA must be attained on the last « 60 credited to the degree. Moreover, a minimum 2.3 GPA must be attained in all courses in the major. Students must be in Satisfactory Standing in the General program in order to graduate (a minimum 2.0 GPA in the final Fall/Winter).
- (2) BSc General degrees with Distinction are awarded when students

Economics; English; Film Studies; French; Human Geography (see Note); German; History, Ancient or Medieval History, History of Art, Design and Visual Culture; International Studies; Italian; Japanese; Latin American Studies; Linguistics; Middle Eastern and African Studies; Music; Native Studies; Philosophy; Polish; Political Science; Arts Psychology (see Note); Religious Studies; Russian; Scandinavian; Science, Technology and Society; Sociology; Spanish; Ukrainian; Women's Studies.

Note: The major and minor may not share courses from the same department. The following combinations are not allowed:

Arts Psychology/Science Psychology

Courses in the major and minor may not overlap. For example, if the major is Mathematical Sciences, and the minor is Statistics, the major may be made up of Mathematics courses and Computing Science courses, but no Statistics courses. The minor would consist exclusively of Statistics courses.

Students who major in Earth and Atmospheric Sciences are allowed to minor in Human Geography. For such students, all EAS (Faculty of Science) courses count towards their major in EAS; all HGP (Faculty of Arts) courses count towards their minor in Human Geography. See §44.15.1 for other requirements for the Minor in Human Geography.

(4) The General program features a first-year core of courses which must include the following:

- a. « 6 junior ENGL or « 3 junior ENGL and « 3 junior WRS
- b. « 6 from among junior courses offered by the Departments of Computing Science, and Mathematical and Statistical Sciences (CMPUT 101 or 114 or 174; CMPUT 115 or 175; MATH 113 or 114 or 117; MATH 115 or 118; MATH 125; MATH 153; STAT 141 or 151
- c. « 6 from among junior courses in the Departments of Chemistry or Physics (ASTRO 120, 122; CHEM 101, 102, 164; PHYS 114, 124, 126, 144, 146)
- d. « 6 from among junior Science courses titled Biology, Earth and Atmospheric Sciences, or Science Psychology (BIOL 107, 108; EAS 100, 105; PSYCO 104)

(5) Normally, at least « 30 at the junior level must be successfully completed before a student may register in senior-level courses.

(6) Not more than « 42 of all courses taken can be at the junior level.

(7) Each student must successfully complete a minimum of « 12 at the 300-level (or higher) in the major and, in addition, at least « 6 at the 300-level (or higher) in the minor while registered in the Faculty of Science at the University of Alberta.

(8) Subject to receiving written approval from the Faculty of Science Office before registration, a maximum of « 12 may be taken from Faculties other than Arts or Science. For applicants to the BSc General who have already taken courses from Faculties other than Arts or Science, potential transfer credit for such courses will be assessed at the time of admission to the program.

Such subjects are not included as part of the major or minor, nor toward the minimum requirement of « 18 in Arts, nor toward the minimum requirement of « 72 in Science.

Note: In Women's Studies minor, courses not in Arts or Science but in the list of "cross-listed courses" may count toward the minor in Women's Studies (see §44.33).

Course Load Requirements

Students in the General program should normally take « 30 during the Fall/Winter of each year of the program.

Academic Standing and Graduation

The following regulations govern General Programs:

- (1) To obtain a BSc General degree, a minimum 2.0 GPA must be attained on the last « 60 credited to the degree. Moreover, a minimum 2.3 GPA must be attained in all courses in the major. Students must be in Satisfactory Standing in the General program in order to graduate (a minimum 2.0 GPA in the final Fall/Winter).
- (2) BSc General degrees with Distinction are awarded when students achieve a GPA of 3.5 or higher over the last « 60 if the students

<p>achieve a GPA of 3.5 or higher over the last « 60 if the students have satisfactorily completed at least a normal academic load of a minimum of « 24 during the Fall/Winter periods of the last two years at the University of Alberta.</p> <p>Residence Requirement</p> <p>A student transferring to the Faculty of Science with advanced standing must complete at least « 60 applicable to the BSc program while registered at the University of Alberta. Normally, at least « 30 of the last « 60 must be completed while registered in the Faculty of Science.</p> <p>Time Limits for Program Completion</p> <p>The Faculty of Science may permit a student to complete the requirements for a General degree over a period longer than four years or meet the requirements in a shorter time by attending Spring/Summer.</p> <p>193.3.1 BSc General—Minor in Agricultural, Life and Environmental Sciences</p> <p>Students may choose a minor in Agriculture, Human Ecology or Nutrition. All other restrictions and requirements of the BSc General program, as outlined in §193.3 apply.</p> <p>Minor in Agriculture</p> <p>The minor in Agriculture consists of at least « 24 and no more than « 30 in Agriculture courses as follows:</p> <ol style="list-style-type: none"> (1) AN SC 200 (2) AREC 200 (Prerequisite of ECON 101 or consent of Department) (3) PL SC 221 (4) SOILS 210 (Prerequisite: Must have completed a university-level course in life or natural sciences. A university-level chemistry course is strongly recommended.) (5) « 12 to « 18 in additional courses at the 300-level or higher to be chosen from AN SC, AREC, ENCS, PL SC or SOILS. <p>Minor in Human Ecology</p> <p>The minor in Human Ecology consists of at least « 24 and no more than « 30 in Human Ecology as follows:</p> <ol style="list-style-type: none"> (1) HECOL 100 (2) « 21 to « 27 in HECOL courses, with at least « 9 at the 300-level or higher. <p>Minor in Nutrition</p> <p>The minor in Nutrition consists of at least « 24 and no more than « 30 in Nutrition as follows:</p> <ol style="list-style-type: none"> (1) NUTR 100 (2) NU FS 305, 356, 373 (3) « 12 to « 18 from the following: NUTR 480, NU FS 200, 223, 363, 374, 377, 427, 428 <p>Note: CHEM 261 and 263 are pre-requisites for NU FS 373.</p> <p>193.3.2 BSc General—Minor in Business</p> <p>Note: For requirements, see §193.3. Students admitted to the program lacking one or more prerequisites will be required to make up the deficiency during the first Fall/Winter in the Business minor program.</p> <p>BSc General program students admitted to the minor in Business quota must complete the following:</p> <ol style="list-style-type: none"> (1) ECON 101, 102 (2) « 18 to « 30 in courses offered by the Faculty of Business including ACCTG 311; SMO 301; two of FIN 301, MARK 301, OM 352, SMO 321 <p>Notes</p> <ol style="list-style-type: none"> (1) Several of the above courses have one or more Arts or Science 	<p>have satisfactorily completed at least a normal academic load of a minimum of « 24 during the Fall/Winter periods of the last two years at the University of Alberta.</p> <p>Residence Requirement</p> <p>A student transferring to the Faculty of Science with advanced standing must complete at least « 60 applicable to the BSc program while registered at the University of Alberta. Normally, at least « 30 of the last « 60 must be completed while registered in the Faculty of Science.</p> <p>Time Limits for Program Completion</p> <p>The Faculty of Science may permit a student to complete the requirements for a General degree over a period longer than four years or meet the requirements in a shorter time by attending Spring/Summer.</p> <p>193.3.1 BSc General—Minor in Agricultural, Life and Environmental Sciences</p> <p>Students may choose a minor in Agriculture, Human Ecology or Nutrition. All other restrictions and requirements of the BSc General program, as outlined in §193.3 apply.</p> <p>Minor in Agriculture</p> <p>The minor in Agriculture consists of at least « 24 and no more than « 30 in Agriculture courses as follows:</p> <ol style="list-style-type: none"> (1) AN SC 200 (2) AREC 200 (Prerequisite of ECON 101 or consent of Department) (3) PL SC 221 (4) SOILS 210 (Prerequisite: Must have completed a university-level course in life or natural sciences. A university-level chemistry course is strongly recommended.) (5) « 12 to « 18 in additional courses at the 300-level or higher to be chosen from AN SC, AREC, ENCS, PL SC or SOILS. <p>Minor in Human Ecology</p> <p>The minor in Human Ecology consists of at least « 24 and no more than « 30 in Human Ecology as follows:</p> <ol style="list-style-type: none"> (1) HECOL 100 (2) « 21 to « 27 in HECOL courses, with at least « 9 at the 300-level or higher. <p>Minor in Nutrition</p> <p>The minor in Nutrition consists of at least « 24 and no more than « 30 in Nutrition as follows:</p> <ol style="list-style-type: none"> (1) NUTR 100 (2) NU FS 305, 356, 373 (3) « 12 to « 18 from the following: NUTR 480, NU FS 200, 223, 363, 374, 377, 427, 428 <p>Note: CHEM 261 and 263 are pre-requisites for NU FS 373.</p> <p>193.3.2 BSc General—Minor in Business</p> <p>Note: For requirements, see §193.3. Students admitted to the program lacking one or more prerequisites will be required to make up the deficiency during the first Fall/Winter in the Business minor program.</p> <p>BSc General program students admitted to the minor in Business quota must complete the following:</p> <ol style="list-style-type: none"> (1) ECON 101, 102 (2) « 18 to « 30 in courses offered by the Faculty of Business including ACCTG 311; SMO 301; two of FIN 301, MARK 301, OM 352, SMO 321 <p>Notes</p> <ol style="list-style-type: none"> (1) Several of the above courses have one or more Arts or Science
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<p>courses as prerequisites. These prerequisites must be met.</p> <p>(2) Students completing a minor in Business must still choose a major in Science and must satisfy the requirement that at least « 72 of the « 120 credited to the degree be in Science.</p> <p>(3) Students minoring in Business must still complete at least « 18 in Arts. ECON 101 and ECON 102 constitute six of those required Arts units.</p> <p>Once admitted to the minor in Business, students in the BSc General program will be allowed to continue in the Business minor as long as they remain in good standing in the BSc General program. BSc General program students who have been admitted to the minor in Business and who subsequently apply to transfer to a Specialization or Honors program which has a Business component controlled by quota will have to apply and compete for admission to that quota.</p> <h2>193.4 BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degrees Program</h2> <p>The Faculties of Science and Education offer a combined degrees program that is more highly structured than a BSc followed by a BEd After Degree (a six year route). It provides less flexibility in course choice and scheduling than taking the degrees sequentially because it is designed to meet the minimum requirements of both degrees in five years. In addition, it must meet teacher certification requirements within this time frame.</p> <p>To accommodate the variety in subject studies needed in secondary school teaching, students in the BSc (Specialization in Science and Education)/BEd (Secondary) program will select both a major/minor from the following areas:</p> <p>Biological Sciences: Biology, Botany, Entomology, Genetics, Immunology and Infection, Marine Science, Microbiology, Neuroscience, Paleontology, Pharmacology, Physiology, Zoology.</p> <p>Physical Sciences: Astronomy, Chemistry, Mathematical Physics, Physics.</p> <p>Mathematical Sciences: Computing Science, Mathematics, Statistics.</p> <h3>Admission</h3> <p>Students apply to the Faculty of Science for admission to the BSc (Specialization in Science and Education)/BEd (Secondary) program and normally spend the first two years of the five-year combined degrees program registered in the Faculty of Science. (See §15.15.6)</p> <h3>Selection of Courses</h3> <p>The following regulations govern the BSc (Specialization in Science and Education)/BEd (Secondary) program:</p> <p>(1) A student's program must be approved by an advisor in the appropriate Faculty prior to the start of each Fall/Winter.</p> <p>(2) Within the « 150 program, a student must complete a minimum of « 72 in Science, « 48 in Education and « 18 in Arts.</p> <p>(3) In the major, at least « 12 must be in 300-level or higher courses taken while registered in the BSc (Specialization in Science and Education)/BEd (Secondary) program at the University of Alberta.</p> <p>(4) In the minor, at least « 6 must be in 300-level or higher courses</p>	<p>courses as prerequisites. These prerequisites must be met.</p> <p>(2) Students completing a minor in Business must still choose a major in Science and must satisfy the requirement that at least « 72 of the « 120 credited to the degree be in Science.</p> <p>(3) Students minoring in Business must still complete at least « 18 in Arts. ECON 101 and ECON 102 constitute six of those required Arts units.</p> <p>Once admitted to the minor in Business, students in the BSc General program will be allowed to continue in the Business minor as long as they remain in good standing in the BSc General program. BSc General program students who have been admitted to the minor in Business and who subsequently apply to transfer to a Specialization or Honors program which has a Business component controlled by quota will have to apply and compete for admission to that quota.</p> <h2>193.4 BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degrees Program</h2> <p>The Faculties of Science and Education offer a combined degrees program that is more highly structured than a BSc followed by a BEd After Degree (a six year route). It provides less flexibility in course choice and scheduling than taking the degrees sequentially because it is designed to meet the minimum requirements of both degrees in five years. In addition, it must meet teacher certification requirements within this time frame.</p> <p>To accommodate the variety in subject studies needed in secondary school teaching, students in the BSc (Specialization in Science and Education)/BEd (Secondary) program will select both a major/minor from the following areas:</p> <p>Biological Sciences: Biology, Botany, Entomology, Genetics, Immunology and Infection, Marine Science, Microbiology, Neuroscience, Paleontology, Pharmacology, Physiology, Zoology.</p> <p>Physical Sciences: Astronomy, Chemistry, Mathematical Physics, Physics.</p> <p>Mathematical Sciences: Computing Science, Mathematics, Statistics.</p> <h3>Admission</h3> <p>Students apply to the Faculty of Science for admission to the BSc (Specialization in Science and Education)/BEd (Secondary) program and normally spend the first two years of the five-year combined degrees program registered in the Faculty of Science. (See §15.15.6)</p> <h3>Selection of Courses</h3> <p>NOTE: For success in your chosen program, ensure you have satisfied the pre/co-requisite requirements for all courses. Departments have the right to remove students from courses for failing to present a passing grade (or higher, where stipulated) in the pre-requisite course(s) and/or for failing to be enrolled in the co-requisite course(s). Please see http://www.science.ualberta.ca/en/ProspectiveStudents/ScienceDegrees.aspx for more information.</p> <p>The following regulations govern the BSc (Specialization in Science and Education)/BEd (Secondary) program:</p> <p>(1) A student's program must be approved by an advisor in the appropriate Faculty prior to the start of each Fall/Winter.</p> <p>(2) Within the « 150 program, a student must complete a minimum of « 72 in Science, « 48 in Education and « 18 in Arts.</p> <p>(3) In the major, at least « 12 must be in 300-level or higher courses taken while registered in the BSc (Specialization in Science and Education)/BEd (Secondary) program at the University of Alberta.</p> <p>(4) In the minor, at least « 6 must be in 300-level or higher courses taken while registered in the BSc (Specialization in Science and</p>
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<p>taken while registered in the BSc (Specialization in Science and Education)/BEd (Secondary) program at the University of Alberta.</p> <p>(5) No more than «42 at the 100-level are permitted in the BSc (Specialization in Science and Education)/BEd (Secondary) program.</p> <p>Course Load Requirements</p> <p>To complete the «150 and graduate in five years, students must take a full course load of «30 in each Fall/Winter of the program. The minimum load for students in the BSc (Specialization in Science and Education)/BEd (Secondary) program is at least «24 in each Fall/Winter. A course load of less than «24 requires annual approval by both the Dean of Education and the Dean of Science.</p> <p>Academic Standing and Graduation</p> <p>The following regulations govern the combined degrees program:</p> <ol style="list-style-type: none"> (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. (2) Graduation from the combined degrees program requires a GPA of 2.7 in the declared major. (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. (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. (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. (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. (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>Residence Requirement</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 degrees program.</p> <p>Time Limits for Completion of Program</p> <p>The combined degrees program is a five-year program. A student may complete the requirements of the combined degree over a period longer than five years or meet the requirements in a shorter time by attending Spring/Summer. An extension beyond six years is not normally permitted and requires the written approval of the Dean of Science and the Dean of Education.</p> <h2>193.5 After Degrees</h2> <p>An individual holding one or more undergraduate degrees from recognized post-secondary institutions may earn an additional undergraduate degree (After Degree) from the Faculty of Science. The After Degree may be a BSc General, a BSc Specialization or a BSc Honors degree. The BSc Specialization in Science and Education degree is not available as an After Degree.</p>	<p>Education)/BEd (Secondary) program at the University of Alberta.</p> <p>(5) No more than «42 at the 100-level are permitted in the BSc (Specialization in Science and Education)/BEd (Secondary) program.</p> <p>Course Load Requirements</p> <p>To complete the «150 and graduate in five years, students must take a full course load of «30 in each Fall/Winter of the program. The minimum load for students in the BSc (Specialization in Science and Education)/BEd (Secondary) program is at least «24 in each Fall/Winter. 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<p>(1) All of the admission, program, academic standing and graduation standards that apply to a regular degree also apply to After Degree programs, except as noted in §192.5.2. Admission to a BSc Specialization or BSc Honors After Degree program requires the approval of the appropriate Department and the Faculty office. Please refer to section §15.15 for program admission requirements in the Faculty of Science.</p> <p>(2) An After Degree may not duplicate the degree(s) previously completed. The major or minor of a BSc General After Degree may not be the same as the major or minor of the previous degree(s). The only exception is that students who wish to upgrade a previous Science minor to be the major in the After Degree may do so provided their new minor does not overlap with either the major or minor of the previous degree(s). In the case of BSc Specialization and BSc Honors programs, the area of concentration may not be the same as that of the previous degree(s). However, qualified students holding a BSc General degree from this institution or its equivalent from another institution may use the After Degree to upgrade their previous major to a BSc Specialization or BSc Honors program.</p> <p>(3) If applying to a BSc General After Degree program, a major and a minor must be declared upon application.</p> <p>(4) All students in After Degree programs must follow the program to which they have been admitted and must demonstrate progress towards completion of the degree in each Fall/Winter (see §192.5.2).</p> <p>(5) To complete an After Degree, a minimum « 30 will be required if the student holds a BSc degree from the Faculty of Science at the University of Alberta, and a minimum of « 60 will be required if the student holds an undergraduate degree from another faculty or university. The actual number of credits required to complete an After Degree is dependent on the coursework that was completed prior to the After Degree program and will be determined at the time of admission.</p> <p>(6) In a BSc General After Degree program, students with a previous BSc General degree from the Faculty of Science at the University of Alberta must complete a minimum of « 9 senior units in their major and a minimum of « 6 senior units in their minor while registered in the After Degree program. Students holding a degree from outside the Faculty of Science at the University of Alberta must complete a minimum of « 18 senior units in their major and a minimum of « 12 senior units in their minor while registered in the After Degree program.</p> <p>(7) In a BSc Specialization or BSc Honors After Degree program, students with a previous undergraduate degree from the Faculty of Science at the University of Alberta must complete a minimum of « 15 senior units in the area of concentration of the new degree while registered in the After Degree program. Students holding a degree from outside the Faculty of Science at the University of Alberta must complete a minimum of « 24 in the area of concentration of the new degree while registered in the After Degree program.</p>	<p><u>right to remove students from courses for failing to present a passing grade (or higher, where stipulated) in the pre-requisite course(s) and/or for failing to be enrolled in the co-requisite course(s). Please see http://www.science.ualberta.ca/en/ProspectiveStudents/ScienceDegrees.aspx for more information.</u></p> <p>(1) All of the admission, program, academic standing and graduation standards that apply to a regular degree also apply to After Degree programs, except as noted in §192.5.2. Admission to a BSc Specialization or BSc Honors After Degree program requires the approval of the appropriate Department and the Faculty office. Please refer to section §15.15 for program admission requirements in the Faculty of Science.</p> <p>(2) An After Degree may not duplicate the degree(s) previously completed. The major or minor of a BSc General After Degree may not be the same as the major or minor of the previous degree(s). The only exception is that students who wish to upgrade a previous Science minor to be the major in the After Degree may do so provided their new minor does not overlap with either the major or minor of the previous degree(s). In the case of BSc Specialization and BSc Honors programs, the area of concentration may not be the same as that of the previous degree(s). However, qualified students holding a BSc General degree from this institution or its equivalent from another institution may use the After Degree to upgrade their previous major to a BSc Specialization or BSc Honors program.</p> <p>(3) If applying to a BSc General After Degree program, a major and a minor must be declared upon application.</p> <p>(4) All students in After Degree programs must follow the program to which they have been admitted and must demonstrate progress towards completion of the degree in each Fall/Winter (see §192.5.2).</p> <p>(5) To complete an After Degree, a minimum « 30 will be required if the student holds a BSc degree from the Faculty of Science at the University of Alberta, and a minimum of « 60 will be required if the student holds an undergraduate degree from another faculty or university. 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FINAL Item No. 5
OUTLINE OF ISSUE

Agenda Title: **Final Grade 11/Grade 12 Courses Required for Early Offers of Admission – Proposal from the Office of the Registrar**

Motion: THAT GFC Academic Standards Committee recommend to the GFC Academic Planning Committee the proposed changes to Section 13.5.1 (Early Offers of Admission) of the University Calendar, as submitted by the Office of the Registrar and as set forth in Attachment 1, as amended, to be effective for Fall 2014 and for inclusion in the 2014-2015 calendar.

Item

Action Requested	<input type="checkbox"/> Approval <input checked="" type="checkbox"/> Recommendation <input type="checkbox"/> Discussion/Advice <input type="checkbox"/> Information
Proposed by	Vice-Provost and University Registrar
Presenters	Lihong Yang, Assistant Registrar (International Admissions), Office of the Registrar; Deborah Gougeon, Assistant Registrar (Admissions), Office of the Registrar
Subject	New requirements for Early Admission to the University of Alberta

Details

Responsibility	Provost and Vice-President (Academic)
The Purpose of the Proposal is (please be specific)	To accept Final Grade 11/Grade 12 courses for Early Admission to the University of Alberta.
The Impact of the Proposal is	See 'Purpose'.
Replaces/Revises (eg, policies, resolutions)	N/A
Timeline/Implementation Date	To take effect Fall, 2014 (and for inclusion in the 2014-2015 University Calendar).
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 the pursuit of truth
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 <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. (Sections 26(1), 60(1)(c) and (d)). PSLA: The <i>PSLA</i> gives Faculty Councils power to “provide for the admission of students to the faculty” (Section 29(1)(c)). 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 substantial in nature. GFC ASC’s terms of reference provide that “the term ‘substantial’ refers to proposals which involve or affect more than one Faculty or unit; are

FINAL Item No. 5

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" (3.A.ii).

Further, "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." (3.B.iv)

4. GFC Academic Standards Committee (ASC) Terms of Reference (Mandate) allow for GFC ASC to respond to proposals that may affect the admission or transfer of students to the University of Alberta. (Section 3.B.x).

5. GFC Academic Planning Committee (APC) Terms of Reference (Section 3. Mandate of the Committee): "[...]"

7. Admission, Transfer and Academic Standing

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[.]

b. To consider advice or recommendation from the GFC ASC on proposals which involve substantial change to admission/transfer regulations or to academic standing regulations. [...]"

6. 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 [*sic*] 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."

7. UAPPOL Admissions Procedure:

"PROCEDURE

FINAL Item No. 5

	<p>1. EFFECTIVE DATE OF CHANGES TO ADMISSION REGULATIONS</p> <p>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 University Calendar for one full year (i.e., effective the second year that the information is published in the University Calendar).</p> <p>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)."</p> <p>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>
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Routing (Include meeting dates)

Consultative Route (parties who have seen the proposal and in what capacity)	<p>Brenda Leskiw, Senior Associate Dean (Student Services), Faculty of Science;</p> <p>Trevor Buckle, Manager, Undergraduate Student Services, Faculty of Arts;</p> <p>Raymond Matthias, Manager, Student Services, Faculty of Engineering;</p> <p>Yvonne Norton, Director, Enrolment Management, Faculty of Education;</p> <p>Nicole Lazorek, Academic Officer (Undergraduate), Alberta School of Business;</p> <p>Timothy Hanson, Assistant Dean (External Relations), Augustana Faculty;</p> <p>Dustin Chelen, Vice-President (Academic), Students' Union</p>
Approval Route (Governance) (including meeting dates)	<p>GFC Academic Standards Committee (May 16, 2013) – for recommendation;</p> <p>GFC Academic Planning Committee (June 12, 2013) – for final approval</p>
Final Approver	GFC Academic Planning Committee

Attachments:

1. Attachment 1 (pages 1 – 3) – Briefing Notes on the Proposed Changes to High School Early Admission Criteria
2. Attachment 2 (page 1) – Proposed Changes to University Calendar Section 13.5.1 (Early Offers of Admission)

Prepared by: Lihong Yang, Assistant Registrar (International Admissions), Office of the Registrar, lihong.yang@ualberta.ca; Deborah Gougeon, Assistant Registrar (Admissions), Office of the Registrar, deborah.gougeon@ualberta.ca; and Claire Burke, Acting Policy Development and Issues Advisor, Office of the Registrar, claire.burke@ualberta.ca

Change High School Early Admission Criteria for Fall 2014

Issue/Briefing Notes

- Current practice of using grades in a minimum of two (2) self-declared interim, in-progress or completed Grade 12 admission courses is not sufficient to predict students' final performance in Grade 12 after diploma results. (data on EA averages and final averages)
- Does not support faculty enrolment planning
- Large numbers of students who received Early Admission are refused after receiving final Grade 12 results in July, resulting in registrations being cancelled in late summer

DATA POINTS:

- ❖ Early Admitted high school students who are refused at final admission stage
 - Based on final averages > Fall 2011- 535, Fall 2012- 615
 - Other factors contribute to final refusal such as missing courses or other non-academic requirements for additional refusals >Fall 2011 -158, Fall 2012 – 242
- ❖ Sample of applications with Early Admission averages as of July 1, 2012 (archive) compared with final admission averages on 5 required Grade 12 admission courses (**all** application choices used):

Arts –BA, Science – BSc, and Engineering results:

 - 728 out of 771 (94%) where final average lower than early admission average
 - 181 out of 771 (23%) where final average lower than early admission average by more than 10 marks

Goal:

- Final Admission requirements based on Grade 12 grades does not change.
- Offer Early Admission with criteria that is a better predictor of applicants' final Grade 12 performance in admission subjects.
- More Early Admitted students are converted to Final Admission; fewer registrations cancelled.
- Do not add workload to school counselors or students by requesting additional documentation.
- Do not add processing workload with additional documentation.
- Continue offering Early Admission within the current timelines (late Fall onward).
- Allow applicants to self-declare courses and final grades on the application, and/or send a copy of their courses and final grades from their school or on transcripts.

Revised Criteria

- Use a combination of final Grade 12 and Grade 11 courses and grades
- Use final grades in Grade 12 admission courses OR where Grade 12 final grade not available, use Grade 11 final grades (admission course prerequisites) applicable for their program
- Evidence of registration in all five Grade 12 admission courses must be presented
- Use final grades for **five** admission courses -a minimum of four may be used where the fifth admission course/admission course prerequisite is not yet completed (e.g., Alberta Calculus only offered at Grade 12 level).
- Always use final Grade 12 grade for admission course where presented.

Courses, Grades and criteria to be used:

- o Grade 12: Final grades or proof of registration, depending on the system that applicants come from.
- o Grade 11: Final grades for the Grade 11 course if Grade 12 grade is not available.
- o Course registration is required if Grade 12 admission course is not provided on application.
- o Always include English in calculation of Early Admission average
- o Do not include courses to be taken in Summer as part of registration. Registration must be for Fall/Winter terms. Summer grades are received too late to be used for admission.
- o Where ELP required: Proof of ways to meet the ELP requirement such as a grade/registration from English 30-1/English 12 in BC, test result from iBT or IELTS, registration for iBT or IELTS test, etc.

DATA POINT:

- ❖ For Fall 2012 admission, about 600 applicants on Study Permit who received Early Admission did not receive Final Admission. One of the reasons for not receiving FA for all the 600 students was not meeting the ELP requirement for degree or the Bridge Program programs. This means, both Faculty and RO advisors evaluated and offered EA (and completed all admission processing) for 600 applicants. Then in August, they had to refuse or cancel them. In many cases, course registrations are also deleted.
- ❖ The rationale to ask for a formal indication to meet ELP is not to reduce the number of students receiving Early Admission but to lessen the number of students who simply are not admissible and may take up registration spots.

Grade 11 documentation accepted:

- o Grade 11 courses with final grades self-declared within the online application where Grade 12 course and final grade are not presented
- o Copy of grade report from school, or provided by student (on-line service -e.g., school zone in Alberta), if not declared within the online application.
- o International applicants can email or mail Grade 11 grades issued from school.

Grade 12 documentation accepted

- All Grade 12 admission courses completed or registered as self-declared within the online application
- Copy of grade report from school, or provided by student (on-line service (e.g, school zone in Alberta) , if not declared within the application
- Only blended final grades (school and diploma exam) will be accepted for Grade 12 courses with diploma exams
- Registrar's Office will not request first term final results on behalf of Alberta applicants through ApplyAlberta as these are not available until February

Recommendation for discussion

Early Admission Averages

- **Recommend Early Admission averages** be higher than final averages to allow for improved conversion to final admit.
- Example: where a program/faculty final admission average would be below 75%, recommend Early Admission average start at 75% minimum.

2014-2015 Calendar Changes

Current	Proposed
<p>13.5.1 Early Offers of Admission</p> <p>(1) High School Applicants</p> <p>Early admission is offered annually before completion of the final year of high school to students who have achieved above average standing in their first semester/first term courses. Students are considered on the basis of Grade 12 (or equivalent) courses and grades entered on the Application for Admission. To be considered, applicants should enter all Grade 12 (or equivalent) courses completed, in progress (including second semester/second term) and any final or interim grades available. Students must meet specific conditions set out in their offer letters in order to receive final admission.</p> <p>No further changes</p>	<p>13.5.1 Early Offers of Admission</p> <p>(1) High School Applicants</p> <p>Early admission is offered annually before completion of the <u>Grade 12 or</u> final year of high school to students who have achieved above average standing in <u>a combination of final grades in Grade 12 admission courses and Grade 11 (admission course prerequisites) at the time of application.</u> Where a final grade in a Grade 12 admission course is not available a final grade in a Grade 11 (admission course prerequisite) will be used. To be considered applicants should enter <u>within the online Application for Admission all their Grade 12 courses, including those completed, in-progress and to be taken (second semester/second term), as well as their Grade 11 courses and final grades.</u></p> <p>Students must meet specific conditions set out in their offer letters in order to receive final admission. <u>Final admission is based on the final average of five Grade 12 (or equivalent) admission courses.</u></p> <p>No further changes</p>