

THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services | Senate & Curriculum Services
Brock Hall 2016 – 1874 East Mall
Vancouver BC V6T 1Z1
Tel : (604) 822-8141 | Fax : (604) 822-5945
megan.stewart@ubc.ca

January 11, 2013

To: Vancouver Senate

From: Vancouver Senate Admissions Committee

Re:

- c. Bachelor of Arts – Readmission Requirements (approval)
- d. Bachelor of Science in Natural Resources Conservation – Admission to the Program (approval)
- e. Doctor of Medicine – Changes in the Admissions Process for Aboriginal applicants (approval)
- f. Bachelor of Science in Nursing – Post-Acceptance Requirements (approval)
- g. Faculty of Graduate Studies – Admission changes to the calendar entry for the Ph.D and the M.Sc. in Astronomy (approval)
- h. Bachelor of Science – Changes to General Information on Admission and Transfer (approval)
- i. Faculty of Graduate Studies – Admission change to the calendar entry for the Ph.D. and the M.A.Sc. in Geological Engineering (approval)

c. Bachelor of Arts – Readmission Requirements (approval)

The Senate Admissions Committee has reviewed and recommends to Senate for approval a change in the readmission requirements for applicants seeking readmission to the Bachelor of Arts program. As outlined in the circulated calendar entry, specifying that students who are required to withdraw before completing 54 or fewer Arts-eligible credits can qualify for readmission by completing a detailed amount of work at a BC college or similar institution and attaining an overall G.P.A. of 3.0 or 73% properly reflects current policy.

Motion: *That Senate approve a change in the readmission requirements for applicants to the Bachelor of Arts program, effective for the 2013 Winter Session and thereafter.*

d. Bachelor of Science in Natural Resources Conservation – Admission to the Program (approval)

The Senate Admissions Committee has reviewed and recommends to Senate for approval a change in the criteria for admission for applicants to the Bachelor of Science in Natural Resources Conservation program. As outlined in the circulated

calendar entry, the change alerts applicants who follow programs covered by affiliation agreements between the Faculty of Forestry and other academic institutions, and who otherwise meet the Natural Resources Conservation program's requirements for admission, that they are eligible for registration in third year of the program and will receive a block transfer of credits.

Motion: *That Senate approve a change in the criteria for admission for applicants to the Bachelor of Science in Natural Resources Conservation, effective for the 2013 Winter Session and thereafter.*

e. Doctor of Medicine – Changes in the Admissions Process for Aboriginal applicants (approval)

The Senate Admissions Committee has reviewed and recommends to Senate for approval a change in the admissions process for Aboriginal applicants to the M.D. Undergraduate program. As outlined in the circulated calendar entry, Aboriginal applicants invited for interview already provide three letters of reference, as do all interviewed applicants to the M.D. Undergraduate program, and it is often difficult for them to obtain two additional letters. Therefore, this requirement is being removed. In addition, the “Aboriginal Programs Coordinator” is being renamed the “Aboriginal Student Initiatives Coordinator” to better reflect the work that the incumbent performs.

Motion: *That Senate approve a change in the admissions process for Aboriginal applicants to the M.D. Undergraduate program, and approve the new title “Aboriginal Student Initiatives Coordinator” to replace the current title “Aboriginal Programs Coordinator”, effective for the 2013 Winter Session and thereafter.*

f. Bachelor of Science in Nursing – Post-Acceptance Requirements (approval)

The Senate Admissions Committee has reviewed and recommends to Senate for approval a change in the admissions process for the Bachelor of Science in Nursing regarding post-acceptance requirements. As outlined in the circulated calendar entry, Health Authorities have implemented new policies related to vaccine-preventable communicable diseases and may ask for proof of immunization status. Therefore, UBC School of Nursing students must now make available proof of immunization status upon request. In addition, newly admitted students will be required to complete a Criminal Record Check, Cardio-Pulmonary Resuscitation – Health Care Provider certification and N95 mask fitting test.

Motion: *That Senate approve a change in the admissions process for the Bachelor of Science in Nursing regarding post-acceptance requirements, effective for the 2013 Winter Session and thereafter.*

g. Faculty of Graduate Studies – Admission changes to the calendar entry for the Ph.D and the M.Sc. in Astronomy (approval)

The Senate Admissions Committee has reviewed and recommends to Senate for approval admission changes to the calendar entry for the Ph.D. and the M.Sc. in Astronomy. As outlined in the circulated calendar entry, the changes involve correcting the direct transfer credit requirement and modifying the M.Sc. entrance requirements.

***Motion:** That Senate approve admission changes to the calendar entry for the Ph.D. and the M.Sc. in Astronomy, effective for the 2013 Summer Session and thereafter.*

h. Bachelor of Science – Changes to General Information on Admission and Transfer (approval)

The Senate Admissions Committee has approved and recommends to Senate for approval changes to the general information on admission and transfer for applicants to the Bachelor of Science program. As outlined in the circulated calendar entry, reorganization of the admissions section helps to clarify the requirements, as do the statement of the minimum number of credits required while registered in the program and the limits on credits that can be transferred into the B.Sc. degree. In addition, the section on applying to pursue a second bachelor's degree in a discipline distinct from that of applicants' first degree has been added for greater clarity.

***Motion:** That Senate approve changes to the general information on admission and transfer for applicants to the Bachelor of Science program, effective for the 2013 Summer Session and thereafter.*

i. Faculty of Graduate Studies – Admission change to the calendar entry for the Ph.D. and the M.A.Sc. in Geological Engineering (approval)

The Senate Admissions Committee has reviewed and recommends to Senate for approval an admission change to the calendar entry for the Ph.D. and the M.A.Sc. in Geological Engineering. As outlined in the circulated calendar entry, the change relates to applicants having to meet the requirements set by the Faculty of Applied Science.

***Motion:** That Senate approve an admission change to the calendar entry for the Ph.D. and the M.A.Sc. in Geological Engineering, effective for the 2013 Summer Session and thereafter.*

Respectfully submitted,

Dr. Robert Sparks
Chair Senate Admissions Committee



THE UNIVERSITY OF BRITISH COLUMBIA

**UBC Admissions Proposal Form
Change to Admission Requirements**

Faculty: Arts Department: CASS Faculty Approval Date: October 16, 2012 Effective Session: W Term 1 Year 2013 for Change	Date: August 15, 2012 Contact Person: Chavah Avraham Phone: 827-5463 Email: chavah.avraham@ubc.ca
URL: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,197,282,54 Proposed Calendar Entry: Continuation Requirements ... Students required to withdraw before completing 54 or fewer Arts-eligible credits can qualify for readmission by completing the following amount of work at a BC college or similar institution and attaining an overall G.P.A. of 3.0 or 73%:	URL: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,197,282,54 Present Calendar Entry: Continuation Requirements ... Students required to withdraw before completing 54 or fewer Arts-eligible credits can qualify for readmission by completing the following amount of work at a BC college or similar institution and attaining an overall G.P.A. equal to or better than that required of any other transfer student applicant: Type of Action: Change entry to reflect actual policy. Rationale for Proposed Change: Students who attend elsewhere to create a new basis for readmission to Arts are required to obtain a G.P.A. of 3.0 or 73%.



UBC Admissions Proposal Form Change to Course or Program

<p>Faculty: Forestry Department: Faculty Approval Date: November 1, 2012 Effective Session (W or S): W Effective Academic Year: 2013</p>	<p>Date: November 1, 2012 Contact Person: Peter Marshall Phone: 822-4918 Email: peter.marshall@ubc.ca</p>
<p>URL: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,203,418,173</p> <p>Proposed Calendar Entry:</p> <p>The Faculty will accept applications from students with varying educational preparation:</p> <ul style="list-style-type: none"> • directly from secondary school graduation, or • following completion of at least 24 credits at UBC or its equivalent at another post-secondary institution. <p>Students entering from secondary school must have met the general University entrance requirements (see Admissions) and have completed Principles of Mathematics 12 or Pre-Calculus 12 and one of Biology 12, Chemistry 12, or Physics 12, as well as Chemistry 11 and one of Biology 11 and Physics 11.</p> <p>Students who enter following completion of at least 24 credits of work at UBC or its equivalent at another post-secondary institution, must have attained an overall average of at least 60% in all credits attempted. In the case of transfer students, consideration will be given to individual cases of study in determining the transfer credit that may be applied to the natural resources conservation program. Graduates of a one-or two- year diploma program in a related discipline may be considered for course exemptions that may be applied</p>	<p>URL: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,203,418,173</p> <p>Present Calendar Entry:</p> <p>The Faculty will accept applications from students with varying educational preparation:</p> <ul style="list-style-type: none"> • directly from secondary school graduation, or • following completion of at least 24 credits at UBC or its equivalent at another post-secondary institution. <p>Students entering from secondary school must have met the general University entrance requirements (see Admissions) and have completed Principles of Mathematics 12 or Pre-Calculus 12 and one of Biology 12, Chemistry 12, or Physics 12, as well as Chemistry 11 and one of Biology 11 and Physics 11.</p> <p>Students who enter following completion of at least 24 credits of work at UBC or its equivalent at another post-secondary institution, must have attained an overall average of at least 60% in all credits attempted. In the case of transfer students, consideration will be given to individual cases of study in determining the transfer credit that may be applied to the natural resources conservation program. Graduates of a one-or two- year diploma program in a related discipline may be considered for course</p>



towards the degree. Such students must have achieved an overall average of at least 65% in their diploma program, plus have the entrance requirements listed above.

Students may also apply for admission to Year 3 of the program under the terms of approved affiliation agreements between UBC and other academic institutions. Students who have met the minimum academic requirements for admission to Year 3 of the program under such agreements will be eligible for block transfer of credits upon admission.

Further details can be obtained from the Director of Student Services in the Faculty.

exemptions that may be applied towards the degree. Such students must have achieved an overall average of at least 65% in their diploma program, plus have the entrance requirements listed above. Further details can be obtained from the Director of Student Services in the Faculty.

Rationale:

The additional generic wording alerts applicants who follow programs covered by affiliation agreements between the Faculty of Forestry and other academic institutions, and who otherwise meet the Natural Resources Conservation program's requirements for admission, that they are eligible for registration in third year of the program and will receive a block transfer of credits.



THE UNIVERSITY OF BRITISH COLUMBIA

**UBC Undergraduate Admissions Proposal Form
Change to Admission Requirements**

Faculty: Medicine Department: MD Undergrad Admissions Faculty Approval Date: Sept 25, 2012 Effective Session: 2013-14 Year for Change: 2013	Date: November 20, 2012 Contact Person: Joan Munro Phone: 604-875-4111, ext 68933 Email: jmunro@medd.med.ubc.ca
URL: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,209,374,340 Proposed Calendar Entry: Aboriginal Applicants The Faculty of Medicine welcomes applications from qualified Aboriginal applicants. The Aboriginal admission process of the Faculty has a target of 5% of the annual complement of seats in the first year M.D. Undergraduate Program. Aboriginal applicants can apply either to the regular stream of admission or to the Aboriginal admission stream. Applicants who self-identify as Aboriginal will be considered under the Aboriginal admission process as well as under the regular admission process. If you wish to apply as an Aboriginal applicant, you will be required to submit proof of ancestry and write an essay; submit two letters of support (academic and community), as well as proof of ancestry. which will be reviewed by the Aboriginal Admissions Subcommittee. Based on your completed application, you may be offered an interview with the Aboriginal Interviewing Panel. Please contact the Aboriginal Student Initiatives Programs Coordinator in the Faculty of Medicine at 604.875.4111, ext. 68946, or email for further information.	URL: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,209,374,340 Present Calendar Entry: Aboriginal Applicants The Faculty of Medicine welcomes applications from qualified Aboriginal applicants. The Aboriginal admission process of the Faculty has a target of 5% of the annual complement of seats in the first year M.D. Undergraduate Program. Aboriginal applicants can apply either to the regular stream of admission or to the Aboriginal admission stream. Applicants who self-identify as Aboriginal will be considered under the Aboriginal admission process as well as under the regular admission process. If you wish to apply as an Aboriginal applicant, you will be required to write an essay, submit two letters of support (academic and community), as well as proof of ancestry, which will be reviewed by the Aboriginal Admissions Subcommittee. Based on your completed application, you may be offered an interview with the Aboriginal Interviewing Panel. Please contact the Aboriginal Programs Coordinator in the Faculty of Medicine at 604.875.4111, ext. 68946, or email for further information.



THE UNIVERSITY OF BRITISH COLUMBIA

	<p>Type of Action: (1) Removal of 2 additional letters of support and (2) change of title</p> <p>Rationale: (1) Aboriginal applicants invited for interview already provide 3 letters of reference (as per all interviewed applicants to the MD Program) and it is often difficult for them to obtain these additional letters; (2) Change of title to better reflect the work the incumbent does</p>
--	---



THE UNIVERSITY OF BRITISH COLUMBIA

**UBC Admissions Proposal Form
Addition to UBC Calendar**

Category 2

<p>Faculty: Applied Science Department: School of Nursing Faculty Approval Date: November 27, 2012 Effective Session: 2013W Year for Change: 2012</p>	<p>Date: November 27, 2012 Contact Person: Dr. Victoria Smye Phone: 604.822.7503 Email: victoria.smye@nursing.ubc.ca</p>
<p>URL:</p> <p>http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,211,386,379</p> <p>Proposed Calendar Entry:</p> <p>Admission Criteria All inquiries relating to the Bachelor of Science in Nursing (B.S.N.) Program should be directed to the School. Students considering application should refer to Nursing for more details. [...]</p> <p>Post-Acceptance Requirements</p> <p>UBC School of Nursing students are required to comply with current regulations of the Provincial Health Authorities related to vaccine-preventable communicable diseases. Proof of immunization status must be made available upon request. Clinical sites may request this documentation from students at any time, and in preparation for or during clinical activities. Failure to provide documentation of immunization status may prevent a student from attending clinical practice, and thus may jeopardize a student's ability to complete all program requirements.</p> <p>All newly admitted students to the Bachelor of Science in Nursing program will be required to complete a Criminal Record Check (CRC), Cardio Pulmonary Resuscitation - Health Care Provider (CPR-HCP) certification and N95 mask fitting test.</p> <p>If you have any questions about any of the</p>	<p>URL:</p> <p>http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,211,386,379</p> <p>Present Calendar Entry:</p> <p>Admission Criteria All inquiries relating to the Bachelor of Science in Nursing (B.S.N.) Program should be directed to the School. Students considering application should refer to Nursing for more details. [...]</p> <p>Application and Document Submission 1. Initial application must be made on-line to the University by December 1. [...]</p> <p>Type of Action: Insert Post-Acceptance Requirements statement following the Admission Criteria section.</p> <p>Rationale:</p> <ul style="list-style-type: none"> -Health Authorities have implemented new policies related to vaccine-preventable communicable diseases and may ask for proof of immunization status. -The above statement related to immunizations requirements remain general because changes are based on outbreaks and changing guidelines from the Health Authorities. The School is in discussion regarding our position related to admission and immunization requirements in light of the directives from Health Authorities. - Undergraduate Program and Policy Committee (UPPC) has approved a change from CPR-C to CPR-HCP certification. - Prospective students need to be aware of post-acceptance requirements before they apply to the



THE UNIVERSITY OF BRITISH COLUMBIA

<p>post-acceptance requirements, please contact information@nursing.ubc.ca</p> <p>Application and Document Submission 1. Initial application must be made on-line to the University by December 1. [...]</p>	<p>program. - Other Health Science faculties have post-acceptance statements listed in the UBC Calendar.</p>
--	--



THE UNIVERSITY OF BRITISH COLUMBIA

UBC Admissions Proposal Form Change to Admission Requirements

CATEGORY II

Contact: Dr. Bill Ramey
Phone: 822-3300

Faculty Approval Date: October 30, 2012
Email: wramey@mail.ubc.ca

ASTRONOMY

Effective Date for Change: 13S

<http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,204,828,1124>

Approved by the Curriculum Committee on Nov 23, 2012

Proposed Calendar Entry:

Astronomy

Degrees Offered: Ph.D., M.Sc.

Members

Professors

B. Gladman, M. Halpern, **G. Hinshaw**, P. Hickson, **J. Matthews**, H. Richer, D. Scott, **I. Stairs**

Associate Professors

J. S. Heyl, **L. Van Waerbeke**

Assistant Professors

K. Sigurdson

Program Overview

The Department of Physics and Astronomy is a broad-based department with a wide range of research interests covering many key topics in contemporary physics, astronomy, and applied physics. Research activities are supported by several computing and experimental facilities within the Department, as well as excellent

Present Calendar Entry:

Astronomy

Degrees Offered: Ph.D., M.Sc.

Members

Professors

~~J. Dunlop~~, ~~G. Fahlman~~, M. Halpern, P. Hickson, ~~W. McCutcheon~~, H. Richer, D. Scott

Associate Professors

~~B. Gladman~~, ~~J. Matthews~~

Assistant Professors

~~J. S. Heyl~~, K. Sigurdson, ~~I. Stairs~~, ~~L. Van Waerbeke~~

Program Overview

The Department of Physics and Astronomy is a broad-based department with a wide range of research interests covering many key topics in contemporary physics, astronomy, and applied physics. Research activities are supported by several computing and experimental facilities within the Department, as well as excellent electronics and machine shops.



THE UNIVERSITY OF BRITISH COLUMBIA

electronics and machine shops.

UBC research in astronomy and astrophysics covers most areas of current interest in this broad field, including a wide range of theoretical and observational studies in astronomy, and also experimental and theoretical studies in cosmology. Research at optical wavelengths includes **searches and orbital determination for asteroids and comets**, photometric studies of stellar populations, particularly globular clusters, studies of distant galaxies and active galactic nuclei, and time-resolved spectroscopy of variable stars and active binary star systems. Studies at microwave **and radio** frequencies include research on variable radio sources, **searches for pulsars**, the early stages of star formation, relativistic jets, and balloon-borne measurements of the cosmic microwave background radiation. A variety of theoretical work complements this research, with topics that range **from planetary dynamics and the structure of neutron stars**, to theoretical studies of structure formation in the early universe. Development of astronomical instrumentation is also supported.

Doctor of Philosophy

Admission Requirements

Students are normally admitted to the Ph.D. program after obtaining an M.Sc. and meeting the Faculty of Graduate Studies admission requirements. Alternatively, well-qualified students

UBC research in astronomy and astrophysics covers most areas of current interest in this broad field, including a wide range of theoretical and observational studies in astronomy, and also experimental and theoretical studies in cosmology. Research at optical wavelengths includes photometric studies of stellar populations, particularly globular clusters, studies of distant galaxies and active galactic nuclei, and time-resolved spectroscopy of variable stars and active binary star systems. Studies at microwave frequencies include research on variable radio sources, the early stages of star formation, relativistic jets, and balloon-borne measurements of the cosmic microwave background radiation. A variety of theoretical work complements this research, with topics that range ~~all the way from the structure and dynamics of hot and cool stellar atmospheres~~ to theoretical studies of structure formation in the early universe. Development of astronomical instrumentation is also supported. ~~These and many other possibilities are available through UBC researchers' involvement in facilities such as the Dominion Astrophysical Observatory (near Victoria), the Canada-France-Hawaii telescope and the James Clerk Maxwell mm-wave telescope on Mauna Kea, the MOST Telescope, the Hubble Space Telescope, the Very Large Array in New Mexico, and the Very Long Baseline Array. Faculty are also involved in upcoming projects such as the Gemini telescopes in Chile and Hawaii, a new six-metre liquid mirror telescope developed at UBC, and a number of future space missions.~~

Doctor of Philosophy

Admission Requirements

Students are normally admitted to the Ph.D. program after obtaining an M.Sc. and meeting the Faculty of Graduate Studies admission requirements. Alternatively, well-qualified students admitted to the M.Sc. program may transfer to the Ph.D. program after a year's residence at UBC, if they have at least **18** credits in M.Sc. coursework with an overall average of at least 85%, clear



THE UNIVERSITY OF BRITISH COLUMBIA

admitted to the M.Sc. program may transfer to the Ph.D. program after a year's residence at UBC, if they have at least **12** credits in M.Sc. coursework with an overall average of at least 85%, clear evidence of research ability, and approval of the dissertation supervisor.

Program Requirements

A minimum of 12 credits in graduate-level courses in any science or applied science departments are **normally** required for the Ph.D. Details of the course load are determined in consultation with the supervisory committee, and must conform to the Department's course requirements. Direct transfer students **normally** require a **minimum** further 12 credits in graduate-level coursework in any science or applied science department for the Ph.D.

All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research dissertation meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

The prerequisite for the M.Sc. program is a B.Sc. in physics or astronomy (single or combined). An overall average of at least 80% in third- and fourth-year courses is expected for entry into the program.

Program Requirements

The M.Sc. program requires a minimum of 30 credits, including a 12-credit thesis. The remaining 18 credits must include at least 12 credits in relevant graduate courses in the Faculties of Science or Applied Science, and may include a maximum of **six** 300- or 400-level credits in undergraduate courses. All Astronomy M.Sc. students are required to satisfy the program's course requirements.

evidence of research ability, and approval of the dissertation supervisor.

Program Requirements

A minimum of 12 credits in graduate-level courses in any science or applied science departments are required for the Ph.D. Details of the course load are determined in consultation with the ~~dissertation advisor and~~ supervisory committee, and must conform to the Department's course requirements. Direct transfer students require a further 12 credits in graduate-level coursework in any science or applied science department for the Ph.D.

All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research dissertation meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

The prerequisite for the M.Sc. program is a B.Sc. in physics, ~~mathematics~~ or astronomy (single or combined). An overall average of at least 80% in third- and fourth-year courses is expected for entry into the program.

Program Requirements

The M.Sc. program requires a minimum of 30 credits, including a 12-credit thesis. The remaining 18 credits must include at least 12 credits in relevant graduate courses in the Faculties of Science or Applied Science, and may include a maximum of **6** 300- or 400-level credits in undergraduate courses. All Astronomy M.Sc. students are required to satisfy the program's course requirements ~~and the Astronomy Journal Club requirement.~~

~~Minor (3192): Astronomy (ASTR)~~



THE UNIVERSITY OF BRITISH COLUMBIA

Contact Information

Department of Physics and Astronomy
6224 Agricultural Road
Vancouver, BC, Canada V6T 1Z1
Tel: 604.822.4245
Fax: 604.822.5324
Email: gradsec@physics.ubc.ca
Web: www.physics.ubc.ca
Oliva Dela Cruz-Cordero, Graduate Coordinator

~~The Minor consists of one PHYS 200 or PHYS 250 plus 12 upper-level credits of ASTR and/or PHYS courses. Note that MATH 215 is a prerequisite for many upper-level physics courses.~~

Contact Information

Department of Physics and Astronomy
6224 Agricultural Road
Vancouver, BC, Canada V6T 1Z1
Tel: 604.822.4245
Fax: 604.822.5324
Email: gradsec@physics.ubc.ca
Web: www.physics.ubc.ca
Oliva Dela Cruz-Cordero, Graduate Coordinator

Action: Update Members listing. Update Program Overview.

Correct minor typos on degree requirements. Delete a section on the major that is only relevant to the undergraduate specializations that was erroneously entered in the graduate program pages.

Rationale: The members list was out of date. The program overview was supplemented to include fields of newly-recruited faculty. The telescope list evolves so quickly it was decided to remove it from the calendar. The credit requirement of 12 credits for a direct transfer was erroneously given as 18. The fact that direct transfer students normally require a minimum of 12 credits was clarified. The dissertation advisor is on the supervisory committee, so this was redundant. The M.Sc. entrance requirements were modified so that it is clear that a pure mathematics B.Sc. is insufficient for entry due to the lack of physics background. The Astronomy Journal Club phrase is outmoded and redundant in any case with the 'program course requirements', so was eliminated. The existence of the ASTR Minor entry (applies to the undergraduate specialization) should not be on this page and should be eliminated (ensuring that it does not somehow get deleted from the undergraduate pages).



THE UNIVERSITY OF BRITISH COLUMBIA

**UBC Admissions Proposal Form
Change to Admission Requirements**

Faculty: Science Department: Faculty Approval Date: October 30, 2012 Effective Session: 13S Year for Change:	Date: Contact Person: Dr. Bill Ramey Phone: 822-3300 Email: wramey@mail.ubc.ca
URL: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,406 Proposed Calendar Entry: <i>Admission and Transfer</i> General Information Application for admission to the Faculty must be made <u>on-line</u> . Procedures, policies, and admission requirements to UBC and the Faculty are specified in <u>Admissions</u> . Admission from Secondary School Students interested in <u>Science One</u> must, in addition to applying for admission to the Faculty, also submit a formal application directly to the Science One office.	URL: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,406 Present Calendar Entry <i>Admission and Transfer</i> General Information Application for admission to the Faculty must be made <u>on-line</u> . Procedures, policies, and admission requirements to UBC and the Faculty are specified in <u>Admissions</u> . Many students are admitted on the basis of interim grades to ensure that offers of admission meet the needs of both the applicant and the university for timely decision-making. Students who are admitted on interim grades and whose final grades drop below the final competitive admission average may be contacted by the Faculty and required to participate in workshops and peer support programs to facilitate academic success. Admission from Secondary School Students interested in <u>Science One</u> must, in addition to applying for admission to the Faculty, also submit a formal application directly to the Science One office.



THE UNIVERSITY OF BRITISH COLUMBIA

<p>...</p> <p>Details are available from the Faculty and you.ubc.ca.</p> <p>Many students are admitted on the basis of interim grades to ensure that offers of admission meet the needs of both the applicant and the university for timely decision-making. Students who are admitted on interim grades and whose final grades drop below the final competitive admission average may be contacted by the Faculty and required to participate in workshops and peer support programs to facilitate academic success.</p> <p>Admission as a Post-Secondary Transfer Students applying to the Faculty by transfer from other post-secondary institutions should note that at least 60 credits (for a Major) or 66 (for Honours) must be earned while registered in the UBC BSc degree. Further, there are limits on the number of credits that can be attempted (i.e., passed or failed) (see Promotion Requirements).</p> <p>Transfer applicants from other post-secondary institutions must present credit for MATH 100 (or equivalent) and must either have met the Faculty's Communication Requirement (normally with six credits of first-year ENGL) or be eligible to enroll in first-year English at UBC at the time of admission. Students who have not completed the Communication Requirement will not be eligible for promotion to third year and may not be admissible at all (see below).</p> <p>...</p> <p>Students admitted by transfer and those admitted to a second-degree program will be admitted to the year level that is appropriate according to the First-Degree</p>	<p>...</p> <p>Details are available from the Faculty and you.ubc.ca.</p> <p>Admission as a Post-Secondary Transfer Students applying to the Faculty by transfer from other post-secondary institutions must present credit for MATH 100 (or equivalent) and must either have met the Faculty's Communication Requirement or be eligible to enroll in first-year English at UBC at the time of admission.</p> <p>...</p> <p>Students admitted by transfer and those admitted to a second-degree program will be admitted to the year level that is appropriate according to the First-Degree</p>
--	---



THE UNIVERSITY OF BRITISH COLUMBIA

<p>Promotion Requirements. The Promotion Requirements are based on the number of credits completed (both total and in Science courses), degree of completion of the Lower-Level Requirements (including the Communication Requirement), and degree of completion of courses required for the chosen specialization. Because there are limits on the number of credits attempted before attaining each year-level standing, students who have exceeded those limits without qualifying for the appropriate year-level will not be admitted. For details, see Promotion Requirements.</p>	<p>Promotion Requirements. The Promotion Requirements are based on the number of credits completed (both total and in Science courses), degree of completion of the Lower-Level Requirements including English, and degree of completion of courses required for the chosen specialization. Because there are limits on the number of credits attempted before attaining each year-level standing, students who have exceeded those limits without qualifying for the appropriate year-level will not be admitted. For details, see Promotion Requirements.</p>
<p>...</p> <p>Transfer from Another UBC Program</p> <p>UBC students who wish to transfer to the Faculty of Science must follow the procedures, policies, and admission requirements specified in Readmission or Change of Degree Program/Campus. Students applying for admission ... is not required to present credit for MATH 100. At least 60 credits (for a Major) or 66 (for Honours) must be earned while registered in the UBC BSc degree. Further, there are limits on the number of credits that can be attempted (i.e., passed or failed) at each year-level and an applicant who has exceeded the limit will not be admitted (see Promotion Requirements).</p>	<p>...</p> <p>Transfer from Another UBC Program</p> <p>UBC students who wish to transfer to the Faculty of Science must follow the procedures, policies, and admission requirements specified in Readmission or Change of Degree Program/Campus. Students applying for admission ... is not required to present credit for MATH 100.</p>
<p>A student with unsatisfactory standing ... failure to follow the prescribed program of study.</p>	<p>A student with unsatisfactory standing ... failure to follow the prescribed program of study.</p>
<p>Mature Applicants</p> <p>Applicants who fall ... skills for a successful transfer application.</p>	<p>Mature Applicants</p> <p>Applicants who fall ... skills for a successful transfer application.</p>
<p>Second-Degree Studies</p> <p>Applicants with a bachelor's degree from a recognized institution may apply to pursue</p>	



THE UNIVERSITY OF BRITISH COLUMBIA

<p>a second bachelor's degree in a discipline distinct from that of the first degree. See Second Degree Studies.</p> <p>Appeals on Admission Decisions</p> <p>Please refer to Appeals.</p>	<p>Appeals on Admission Decisions</p> <p>Please refer to Appeals.</p> <p>Action: Relocate paragraph on admission using interim grades. Clarify the requirements for admission. Insert paragraph regarding number of credits to be earned at UBC. Insert paragraph on Second-Degree Studies.</p> <p>Rationale: Information on the use of interim grades applies mostly to applicants from secondary schools so it is being moved to the appropriate section. Transfer applicants need a clearer statement of the minimum number of credits required while registered in the degree and hence the limits on credits that can be transferred into the BSc degree.</p> <p>Although there is a separate section in the regulations with more details for second-degree studies, applicants may logically look first in this section for information.</p>
--	---



THE UNIVERSITY OF BRITISH COLUMBIA

UBC Admissions Proposal Form Change to Admission Requirement

<p>Category 2 Faculty: Applied Science Department: Earth, Ocean and Atmospheric Sciences Faculty Approval Date: November 2012 Effective Date for Change: 13S, Term 1 Year of Change: 2013</p>	<p>Date: October 26, 2012 Contact Person: Uli Mayer Phone: 604-822-1539 Email: umayer@eos.ubc.ca</p>
<p><i>Approved by the Curriculum Committee on Nov 23, 2012</i></p> <p>Proposed Calendar Entry:</p> <p>Geological Engineering</p> <p>Degrees Offered: Ph.D., M.A.Sc.</p> <p>Members</p> <p>Professors</p> <p>R. Beckie, E. Eberhardt, O. Hungr, U. Mayer, L. Smith.</p> <p>Program Overview</p> <p>The Geological Engineering Program is intended for students interested in the application of earth sciences principles to engineering problems. While most geological engineering degree programs are based in the Department of Earth, Ocean and Atmospheric Sciences, students may also base their studies in allied Applied Science departments such as Civil or Mining Engineering. The program is highly interdisciplinary and draws upon courses, laboratories, and faculty members from the departments of Earth, Ocean and Atmospheric Sciences, Civil Engineering, Mining Engineering, Forestry, Geography, and others. Graduate students are often co-supervised by faculty members from different departments.</p> <p>Geological engineering faculty members in the Department of Earth, Ocean and Atmospheric Sciences have research</p>	<p>URL: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,204,828,1169</p> <p>Present Calendar Entry:</p> <p>Geological Engineering</p> <p>Degrees Offered: Ph.D., M.A.Sc.</p> <p>Members</p> <p>Professors R. Beckie, O. Hungr, L. Smith.</p> <p>Associate Professors E. Eberhardt, U. Mayer.</p> <p>Program Overview</p> <p>The Geological Engineering Program is intended for students interested in the application of earth sciences principles to engineering problems. While most geological engineering degree programs are based in the Department of Earth and Ocean Sciences, students may also base their studies in allied Applied Science departments such as Civil or Mining Engineering. The program is highly interdisciplinary and draws upon courses, laboratories, and faculty members from the departments of Earth and Ocean Sciences, Civil Engineering, Mining Engineering, Forestry, Geography, and others. Graduate students are often co-supervised by faculty members from different departments.</p> <p>Geological engineering faculty members in the Department of Earth and Ocean Sciences have research interests in the following general areas:</p>



THE UNIVERSITY OF BRITISH COLUMBIA

interests in the following general areas:

- landslides, debris flows, engineering geology, slope stability
- groundwater hydrology, groundwater contamination and remediation, reactive transport modeling, environmental geochemistry
- rock engineering, rock slopes, and tunneling

Other research areas include geotechnical engineering, environmental geology, engineering geology, economic geology, and applied geophysics. The specific fields of study may involve geomorphology and terrain analysis, groundwater hydrology, natural hazards, slope stability, petroleum and coal geology, coalbed methane, mineral prospecting and valuation, and other similar subjects. Students are encouraged to consult individual faculty members for information about current research areas.

Admission to graduate studies in geological engineering is open only to students with an undergraduate degree in engineering or, at the discretion of the program director, to students with sufficient engineering work experience.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a master's degree in an area of applied science or engineering, with clear evidence of research ability or potential. Transfer from the M.Sc. to the Ph.D. program is permitted under Faculty of Graduate Studies regulations.

Program Requirements

The Ph.D. degree typically requires four to five years to complete. There are no course requirements for the Ph.D. program. Appropriate coursework may be selected in consultation with the student's supervisory committee. All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the

- landslides, debris flows, engineering geology, slope stability
- groundwater hydrology, groundwater contamination and remediation, reactive transport modeling, environmental geochemistry
- rock engineering, rock slopes, and tunneling

Other research areas include geotechnical engineering, environmental geology, engineering geology, economic geology, and applied geophysics. The specific fields of study may involve geomorphology and terrain analysis, groundwater hydrology, natural hazards, slope stability, petroleum and coal geology, coalbed methane, mineral prospecting and valuation, and other similar subjects. Students are encouraged to consult individual faculty members for information about current research areas.

Admission to graduate studies in geological engineering is open only to students with an undergraduate degree in engineering or, at the discretion of the program director, to students with sufficient engineering work experience.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a master's degree in an area of applied science or engineering, with clear evidence of research ability or potential. Transfer from the M.Sc. to the Ph.D. program is permitted under Faculty of Graduate Studies regulations.

Program Requirements

The Ph.D. degree typically requires four to five years to complete. There are no course requirements for the Ph.D. program. Appropriate coursework may be selected in consultation with the student's supervisory committee. All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research dissertation meeting the Faculty of Graduate Studies



THE UNIVERSITY OF BRITISH COLUMBIA

Ph.D. is completion of a research dissertation meeting the Faculty of Graduate Studies requirements.

Master of Applied Science

Admission Requirements

Students admitted to the M.A.Sc. degree program normally possess a bachelor's degree in an area of applied science or engineering, and must meet the general admission requirements for master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The M.A.Sc. degree typically requires two years to complete. It consists of a 12-credit thesis and 18 credits in graduate or advanced courses in geological engineering and related fields selected in consultation with the candidate's committee. A minimum of 24 credits must be at the 500-level and above.

Master of Engineering

Admission Requirements

Students admitted to the M.Eng. degree program normally possess a bachelor's degree in an area of applied science or engineering, and must meet the general admission requirements for master's degree programs set by the Faculty of **Applied Science**.

Program Requirements

This professional degree requires 27 credits of coursework plus a 3-credit major essay. Upon admission, students are assigned to an advisor who approves courses, typically from Earth, **Ocean and Atmospheric Sciences** and Applied Science, and supervises the major essay research project. It is possible for full-time students commencing in September to complete the coursework requirements in one year. The M.Eng. in Geological Engineering can be completed on a part-time basis.

requirements.

Master of Applied Science

Admission Requirements

Students admitted to the M.A.Sc. degree program normally possess a bachelor's degree in an area of applied science or engineering, and must meet the general admission requirements for master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The M.A.Sc. degree typically requires two years to complete. It consists of a 12-credit thesis and 18 credits in graduate or advanced courses in geological engineering and related fields selected in consultation with the candidate's committee. A minimum of 24 credits must be at the 500-level and above.

Master of Engineering

Admission Requirements

Students admitted to the M.Eng. degree program normally possess a bachelor's degree in an area of applied science or engineering, and must meet the general admission requirements for master's degree programs set by the Faculty of **Graduate Studies**.

Program Requirements

This professional degree requires 27 credits of coursework plus a 3-credit major essay. Upon admission, students are assigned to an advisor who approves courses, typically from Earth **and Ocean Sciences** and Applied Sciences, and supervises the major essay research project. It is possible for full-time students commencing in September to complete the coursework requirements in one year. The M.Eng. in Geological Engineering can be completed on a part-time basis.

Contact Information

Department of Earth **and Ocean Sciences**



THE UNIVERSITY OF BRITISH COLUMBIA

Contact Information

Department of Earth, **Ocean and
Atmospheric Sciences**

2020 – 2207 Main Mall

Vancouver, BC, Canada V6T 1Z4

Tel: 604.822.2713

Fax: 604.822.6088

Email: gradsec@eos.ubc.ca

Web: www.eos.ubc.ca

~~6339 Stores Road~~

Vancouver, BC, Canada V6T 1Z4

Tel: 604.822.2713

Fax: 604.822.6088

Email: gradsec@eos.ubc.ca

Web: www.eos.ubc.ca

Type of Action: Update rank of faculty members, change of department name and address.

Rationale: Faculty members have been promoted, department name and address have changed.

DOCUMENT ID# Nov12

U/G: G-2-3