



**Lakehead University**  
**Faculty of Science and Environmental Studies**

**REQUEST REPORT**

**Request Tracking Number:** 2015-SCI-4693  
**Request Title:** Program deletion - Geology with Physics (Concurrent Education)

[DeAcTerm[EffectiveDate]] [DeAc[RequestEffectiveDate]]  
**Request Status:** In Workflow  
 Request can be split

**Request Contents**

Type		Title
1.	Discontinued Program	Honours BSc, BEd (Geology with Major Concentration in Physics) I/S
2.	Discontinued Program	Honours BSc, BEd (Geology with Major Concentration in Physics) J/I
3.	Discontinued Program	Honours BSc, BEd (Geology with Major Concentration in Physics) P/J

**Request History**

Workflow Step	Workflow Action	User	Change Made	Comments	Date
Initiator	Approved	Kristine Carey	Yes	Submitted to workflow	01/06/2015
Submission Review (Calendar Officer)	Approved	Margaret Anderson (Submission Review)	No	Ready for workflow submission (see also non-concurrent program deletions in 2014-SCI-3119)	01/06/2015

**Supporting Documents**

File Name	Uploaded By	Upload Date	Size
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**Supporting Documents Audit Trail**

File Name	User	Date	Action
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**Notes**

Date	User	Note
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01/06/2015	Kristine Carey	See also program deletion - 2015-SCI-3119
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1.	Discontinued Program	HBSCBED.GLPY.IS - Honours BSc, BEd (Geology with Major Concentration in Physics) I/S
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### Degree Details

HBSCBED.GLPY.IS - Honours BSc, BEd (Geology with Major Concentration in Physics) I/S <b>Start Term:</b> Fall 2013 <b>End Term:</b> 2014-15
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<b><u>Required Information</u></b>
<b>Institution Unit</b> Faculty of Education
<b>Degree Type</b> HBSED
<b>Major</b> GLPY
<b>Minor</b>
<b>Specialization</b>
<b>Rationale</b> Graduates not able to register as Professional Geoscientists; program suffers from low enrolment.
<b>Requirements</b>  Five Year program A five year program leading to a background suitable for those seeking a career in geophysics.  <b>Prior to Entry into Professional Year</b> In concurrent education programs at the Intermediate/Senior level, students must meet and complete requirements of the partnering honours bachelor degree program <b>prior to entry into the Professional Year</b> including: <ol style="list-style-type: none"> <li>1. 1 FCE in English, French or an Indigenous language</li> <li>2. Education 4417 and 4418 (.25 FCE x 2 = .5 FCE)</li> <li>3. Education 4412, 4413, 4416 (.25 x 3 = .75 FCE)</li> <li>4. Three Education electives (.25 x 3 = .75 FCE) (see Electives in the Department of Undergraduate Studies in Education Courses list) (Education 2011 (0.5 FCE) is recommended)</li> <li>5. A minimum cumulative and teachable average of 65% and a minimum major average of 70%.</li> <li>6. At least 5 FCEs in a first teachable subject and 3 FCEs in a second teachable subject, with at least one half-course (i.e., a minimum of 0.5 FCE) at the third or fourth-year level in each teachable subject (5 FCEs if the teachable is French or Native Languages, and a Computer Science, Music or Visual Arts degree if the teachable is Computer Studies, Music or Visual Arts). For recognized I/S teachable subjects and exceptions to the above regulation see Department of Undergraduate Studies in Education, Levels and Teachables section.</li> <li>7. Students in the Honours BA, BEd (Indigenous Learning Major) are required to take one FCE in Native Language, Visual Arts 2060/Indigenous Learning 2060 and English 2702/Indigenous Learning 2702. Students are encouraged to take one FCE in English at the first-year level, including at least one of English 1111 or 1112, in the First Year. Students are encouraged to choose either Education 3235 or 3270 as their Education elective.</li> </ol>

**Note:**

For students in concurrent honours bachelor degree programs, 2 (two) FCEs of required Education courses will be taken instead of electives in the HBSc program, prior to entering the Professional Year.

**First Year:**

- (a) Geology 1111, 1131
- (b) Physics 1211 and 1212
- (c) Chemistry 1110, 1130
- (d) English 1011 and 1031
- (e) Mathematics 1210 and 1230 or 1151 and 1152 or 1171 and 1172

**Note:****1. Mathematics**

Students who lack high school MHF4U (Advanced Functions) or its equivalent must register for Mathematics 1051 and 1077. Mathematics 1210 and 1230 or 1151 and 1152 or 1171 and 1172 is taken in Year 2.

**Second Year:**

- (a) Geology 2112, 2214, 2217, 2310, 2318
- (b) Physics 2151, 2311
- (c) Mathematics 2111
- (d) One FCE elective

**Third Year:**

- (a) Geology 2219, 3216, 3310
- (b) Physics 2111, 2211 and 2331
- (c) Mathematics 2131
- (d) One and one-half FCE electives

**Fourth Year:**

- (a) Geology 4181 (may be a Geophysics thesis project), Geology 4313, 4411
- (b) Physics 3211, 3231
- (c) Geology 4161 (may be a Geophysics project)
- (d) One half-course elective in Physics
- (e) One half-course elective in Geology or Physics

**Professional Year (Fifth Year):**

Concurrent honours Professional Year (Intermediate/Senior) requirements are:

## (a) Core:

Education 4000 - Honours Concurrent Special Topic	1.50
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Education 4490 - Essentials of Planning, Evaluation, and Classroom Management	.50
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Education 4499 - Student Teaching in the Professional Year	.50
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Education 4213 - Literacy & Learning in the IS Curriculum ( <i>if teachable is English, choose one Education elective</i> )	.25
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Education 4271 - Guiding Student Choices	.25
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Education 4273 - Preparing Intermediate/Senior Teacher Candidates for Junior/Intermediate (Grades 7 and 8) Classrooms	.25
(b) Curriculum and Instruction in <b>two</b> teachable subjects (2.0 FCE) selected from:	
Education 4241 - History	
Education 4242 - Social Sciences - General	
Education 4244 - Mathematics	
Education 4245 - Health and Physical Education	
Education 4260 - Biology	
Education 4261 - Chemistry	
Education 4262 - General Science	
Education 4263 - Geography	
Education 4265 - Physics	
Education 4280 - English	
Education 4281 - French as a Second Language	
Education 4283 - Native Studies	
Education 4284 - Outdoor Ecological and Experiential Education: Intermediate-Senior Environmental Science	
Education 4285 - Native Languages	
Education 4288 - Tutorial in Education (Business, Computer Studies, Music-I, Music-V, Visual Arts)	
1.0 FCE x 2	2.00
(c) Education elective (see Electives in the Department of Undergraduate	<u>.25</u>

Studies in Education  
Courses list)

Total FCEs

5.50

These course components meet Ontario College of Teachers requirements for teacher certification in Ontario.

**Budgetary Considerations**

**Student Enrolment**

no

**Student Enrolment Other Units**

no

**Additional Resources**

no

**Teaching Loads**

no

**TeachingSupport Services**

none

**Outside Support**

no

2.	Discontinued Program	HBSCBED.GLPY.JI - Honours BSc, BEd (Geology with Major Concentration in Physics) J/I
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### Degree Details

HBSCBED.GLPY.JI - Honours BSc, BEd (Geology with Major Concentration in Physics) J/I <b>Start Term:</b> Fall 2013 <b>End Term:</b> 2014-15
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<b><u>Required Information</u></b>
<b>Institution Unit</b> Faculty of Education
<b>Degree Type</b> HBSED
<b>Major</b> GLPY
<b>Minor</b>
<b>Specialization</b>
<b>Rationale</b> Graduates not able to register as Professional Geoscientists; program suffers from low enrolment.
<b>Requirements</b>  Five Year program A five year program leading to a background suitable for those seeking a career in geophysics.  <b>Prior to Entry into Professional Year</b> In concurrent education programs at the Junior/Intermediate level, students must meet and complete requirements of the partnering honours bachelor degree program prior to entry into the Professional Year including: <ol style="list-style-type: none"> <li>1. 1 FCE in English, French or an Indigenous language</li> <li>2. 1 FCE in Science (General Science 1000 recommended) (see Concurrent Bachelor of Education, Concurrent Content Regulations, #1 regarding eligible Science courses)</li> <li>3. One half-course in Music or Visual Arts (Visual Arts 0510 recommended)</li> <li>4. Education 2011 (.5 FCE)</li> <li>5. Education 4417 and 4418 (.25 FCE x 2 = .5 FCE)</li> <li>6. Education 4412, 4413, 4416, and one Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list) (.25 x 4 = 1 FCE)</li> <li>7. At least 3 FCEs in a teachable subject, with at least one half-course (i.e., a minimum of 0.5 FCE) at the third or fourth-year level, 5 FCEs if the teachable is French or Native Languages, a Music or Visual Arts degree if the teachable is Music or Visual Arts, and a Computer Science degree if the teachable is Computer Studies. For recognized J/I teachable subjects and exceptions to the above regulation see Department of Undergraduate Studies in Education, Levels and Teachables section.</li> <li>8. A minimum cumulative and teachable average of 65% and a minimum major average of 70%.</li> <li>9. Students in the Honours BA, BEd (Indigenous Learning Major) are required to take one FCE in Native Language, Visual Arts 2060/Indigenous Learning 2060 and English 2702/Indigenous Learning 2702. Students should also take one FCE in English at the first-year level, including at least one of English 1111 or 1112, in</li> </ol>

the First Year. Students are encouraged to choose either Education 3235 or 3270 as their Education elective.

**Note:**

For students in concurrent honours bachelor degree programs, 2 (two) FCEs of required Education courses will be taken instead of electives in the HBSc program, prior to entering the Professional Year.

**First Year:**

- (a) Geology 1111, 1131
- (b) Physics 1211 and 1212
- (c) Chemistry 1110, 1130
- (d) English 1011 and 1031
- (e) Mathematics 1210 and 1230 or 1151 and 1152 or 1171 and 1172

**Note:**

**1. Mathematics**

Students who lack high school MHF4U (Advanced Functions) or its equivalent must register for Mathematics 1051 and 1077. Mathematics 1210 and 1230 or 1151 and 1152 or 1171 and 1172 is taken in Year 2.

**Second Year:**

- (a) Geology 2112, 2214, 2217, 2310, 2318
- (b) Physics 2151, 2311
- (c) Mathematics 2111
- (d) One FCE elective

**Third Year:**

- (a) Geology 2219, 3216, 3310
- (b) Physics 2111, 2211 and 2331
- (c) Mathematics 2131
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**Fourth Year:**

- (a) Geology 4181 (may be a Geophysics thesis project), Geology 4313, 4411
- (b) Physics 3211, 3231
- (c) Geology 4161 (may be a Geophysics project)
- (d) One half-course elective in Physics
- (e) One half-course elective in Geology or Physics

**Professional Year (Fifth Year):**

Concurrent honours Professional Year (Junior/Intermediate) requirements are:

(a) Core:

Education 0451 - Mathematics Competency Exam	0.0
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Education 4000 - Honours Concurrent Special Topic	1.50
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Education 4490 - Essentials of Planning, Evaluation, and Classroom Management	.50
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Education 4499 - Student Teaching in the Professional Year	.50
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(b) Curriculum and Instruction in Junior/Intermediate Education:

Education 4112 - Language Arts	.50
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Education 4113 - Teaching Literacy	.25
Education 4114 - Science & Technology	.25
Education 4115 - Social Studies	.25
Education 4116 - Visual Arts	.25
Education 4117 - Music	.25
Education 4118 - Health and Physical Education	.25
Education 4151 - Mathematics	.50

(c) Curriculum and Instruction in **one** Intermediate teachable subject selected from:

- Education 4212 -  
Media Literacy in the  
Middle Years  
Language Arts
- Education 4214 -  
General Science
- Education 4215 -  
History
- Education 4216 -  
Visual Arts
- Education 4217 -  
Music (Vocal or  
Instrumental)
- Education 4218 -  
Health and Physical  
Education
- Education 4231 -  
Geography
- Education 4232 -  
French as a Second  
Language
- Education 4233 -  
Native Studies
- Education 4234 -  
Mathematics

Education 4235 -  
Native Languages  
Education 4239 -  
Curriculum and  
Instruction: Tutorial in  
Education

.25

Total FCEs

5.50

These course components meet Ontario College of Teachers requirements for teacher certification in Ontario.

**Budgetary Considerations**

**Student Enrolment**

no

**Student Enrolment Other Units**

no

**Additional Resources**

na

**Teaching Loads**

no

**TeachingSupport Services**

no

**Outside Support**

no

3.	Discontinued Program	HBSCBED.GLPY.PJ - Honours BSc, BEd (Geology with Major Concentration in Physics) P/J
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### Degree Details

HBSCBED.GLPY.PJ - Honours BSc, BEd (Geology with Major Concentration in Physics) P/J <b>Start Term:</b> Fall 2013 <b>End Term:</b> 2014-15
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<b><u>Required Information</u></b>
<b>Institution Unit</b> Faculty of Education
<b>Degree Type</b> HBSED
<b>Major</b> GLPY
<b>Minor</b>
<b>Specialization</b>
<b>Rationale</b> Graduates not able to register as Professional Geoscientists; program suffers from low enrolment.
<b>Requirements</b>  Five Year program A five year program leading to a background suitable for those seeking a career in geophysics.
<b>Prior to Entry into Professional Year</b> In concurrent Education programs at the Primary/Junior level, students must meet and complete requirements of the partnering honours bachelor degree program <b>prior to entry into the Professional Year</b> including:
<ol style="list-style-type: none"> <li>1. 1 FCE in English, French or an Indigenous language</li> <li>2. 1 FCE in Science (General Science 1000 recommended) (see Concurrent Bachelor of Education, Concurrent Content Regulations, #1 regarding eligible Science courses)</li> <li>3. One half-course in Music or Visual Arts Visual Arts 0510 recommended)</li> <li>4. Education 2010 (.5 FCE)</li> <li>5. Education 4417 and 4418 (.25 FCE x 2 = .5 FCE)</li> <li>6. Education 4412, 4413, 4416, and one Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list) (.25 FCE x 4=1 FCE)</li> <li>7. A minimum cumulative average of 65% and a minimum major average of 70%</li> <li>8. Students in the Honours BA, BEd (Indigenous Learning Major) are required to take one FCE in Native Language, Visual Arts 2060/Indigenous Learning 2060 and English 2702/Indigenous Learning 2702. Students should also take one FCE in English at the first-year level, including at least one of English 1111 or 1112, in the First Year. Students are encouraged to choose either Education 3235 or 3270 as their Education elective.</li> </ol>
<b>Note:</b> For students in concurrent honours bachelor degree programs, 2 (two) FCEs of required Education courses will be taken instead of electives in the HBSc program, prior to entering the Professional Year.
<b>Printed: 01/09/2015</b>

**First Year:**

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**Note:****1. Mathematics**

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**Third Year:**

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- (b) Physics 3211, 3231
- (c) Geology 4161 (may be a Geophysics project)
- (d) One half-course elective in Physics
- (e) One half-course elective in Geology or Physics

**Professional Year (Fifth Year):**

Concurrent honours Professional Year (Primary/Junior) requirements are:

## (a) Core:

Education 0450 - Mathematics Competency Exam	0.0
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Education 4000 - Honours Concurrent Special Topic	1.50
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Education 4490 - Essentials of Planning, Evaluation, and Classroom Management	.50
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Education 4499 - Student Teaching in the Professional Year	.50
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## (b) Curriculum and Instruction in Primary/Junior Education:

Education 4012 - Language Arts	.50
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Education 4013 - Teaching Early Literacy	.25
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Education 4014 - Science & Technology	.25
Education 4015 - Social Studies	.25
Education 4016 - Visual Arts	.25
Education 4017 - Music	.25
Education 4018 - Health and Physical Education	.25
Education 4019 - Drama and Dance	.25
Education 4050 - Mathematics	.50
(c) Education 3013 - Early Reading	<u>.25</u>
Total FCEs	5.50

These course components meet Ontario College of Teachers requirements for teacher certification in Ontario.

<b><u>Budgetary Considerations</u></b>
<b>Student Enrolment</b> no
<b>Student Enrolment Other Units</b> no
<b>Additional Resources</b> na
<b>Teaching Loads</b> no

<b>TeachingSupport Services</b>
no
<b>Outside Support</b>
no