



Lakehead University Faculty of Education

REQUEST REPORT

Request Tracking Number: 2014-EDU-4405
Request Title: Education Program Revisions Part 7

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

Request Contents

Type		Title
1.	New Program	Honours BSc, BEd (Chemistry Major) P/J
2.	New Program	Honours BSc, BEd (Geography Major) I/S
3.	New Program	Honours BSc, BEd (Geography Major) J/I
4.	New Program	Honours BSc, BEd (Geography Major) P/J
5.	New Program	Honours BSc, BEd (Geology Major) I/S
6.	New Program	Honours BSc, BEd (Geology with Major Concentration in Physics) I/S
7.	New Program	Honours BSc, BEd (Geology with Major Concentration in Physics) J/I
8.	New Program	Honours BSc, BEd (Geology with Major Concentration in Physics) P/J
9.	New Program	Honours BSc, BEd (Mathematics Major) I/S
10.	New Program	Honours BSc, BEd (Mathematics Major) J/I
11.	New Program	Honours BSc, BEd (Mathematics Major) P/J
12.	New Program	Honours BSc, BEd (Physics Major) I/S
13.	New Program	Honours BSc, BEd (Physics Major) J/I
14.	New Program	Honours BSc, BEd (Physics Major) P/J
15.	New Program	Honours BSc, BEd (Psychology Major) I/S
16.	Discontinued Program	BSc, BEd (Computer Science Major) I/S

Request History

Workflow Step	Workflow Action	User	Change Made	Comments	Date
Initiator	Approved	Teresa Ruberto	No	Submitted to workflow	10/20/2014
Dean and Faculty	Approved	Karen Anderson	No	Approved 08/27/2014	10/20/2014

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Council Review Stage					
Senate - Referral Stage	Relegated	Senate Admin	No	Department submitting Program xxxx separately so sending back to have these changes made. 09/09/2014	10/20/2014
Initiator	Approved	Teresa Ruberto	No	Submitting BEd Major Modification Separately. PJ/JI and IS. 09/09/2014	10/20/2014
Dean and Faculty Council Review Stage	Approved	Karen Anderson	No	Approved. 09/09/2014	10/20/2014
Senate - Referral Stage	Approved	Senate Admin	No	Approved for referral to committees at the September 15, 2014 Senate Meeting.	10/20/2014
SAC-Quality Assurance	Approved	Executive Assistant to Provost & VP (Academic)	No	This item was determined to not be a major modification and therefore, does not need approval by SAC-QA.10/02/2014	10/20/2014
Senate Academic Committee	Approved	Executive Assistant to Provost & VP (Academic)	No	SAC approved at September 25, 2014 meeting.	10/20/2014

Supporting Documents

File Name	Uploaded By	Upload Date	Size
2 Year BEd IQAP Final_Jan 27.pdf	Karen Anderson	10/20/2014	471 KB

Supporting Documents Audit Trail

File Name	User	Date	Action
2 Year BEd IQAP Final_Jan 27.pdf	Karen Anderson	10/20/2014	Uploaded

Notes

Date	User	Note
10/20/2014	Teresa Ruberto	Original request number 2014-EDU-3547

1.	New Program	XXXX - HBSCBED.CHEM.PJ - Honours BSc, BEd (Chemistry Major) P/J
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Degree Details

XXXX - HBSCBED.CHEM.PJ - Honours BSc, BEd (Chemistry Major) P/J Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HESED
Major
Minor
Specialization
Rationale Implementation of the 2 year BEd program requirements for concurrent program.
Requirements Six Year program Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Primary/Junior level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements.) First Year: (a) Chemistry 1111, 1131 (b) Mathematics 1171 and 1172 (c) Physics 1211 and 1212 (d) One FCE elective from: Anthropology 1032, Biology 1110, 1130, Computer Science 1411, 1431, Geology 1110, 1130 (e) One-half FCE in English, French or Indigenous Language (f) Education 1xxx Second Year: (a) Chemistry 2111, 2211, 2231, 2351, 2411, 2412 (b) Mathematics 2111 (c) One-half FCE at the second year level in Physics or Mathematics (excluding 2111) or Computer Science (d) One-half FCE in English, French or Indigenous Language (e) Education 2xxx Third Year:

- (a) Chemistry 3131, 3231, 3251, 3371, 3451
- (b) One-half FCE in Chemistry
- (c) One-half FCE in Music or Visual Arts
- (d) One FCE elective
- (e) One-Half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

Fourth Year:

- (a) Chemistry 4111, 4901
- (b) Two FCEs chosen from: Chemistry 3271, 3431, 3711, 4011, 4131, 4191, 4211, 4311, 4411, 4551, 4571, 4710
- (c) One and one-half FCE electives

Notes:

1. In Fourth year (b) above, not all these courses may be offered in any particular year.
2. In order to remain in the program, students must maintain at least an overall B average in the Chemistry courses taken in the program. Students should refer to the Faculty of Sciences and Environmental Studies Regulations.
3. Students must have arranged for a faculty supervisor for Chemistry 4111 and 4901 before the start of Fourth Year.

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Primary/Junior) requirements see (Provide link here)

Budgetary Considerations

Student Enrolment

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x

2.	New Program	XXXX - HBSCBED.GEOG.IS - Honours BSc, BEd (Geography Major) I/S
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Degree Details

XXXX - HBSCBED.GEOG.IS - Honours BSc, BEd (Geography Major) I/S Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 year BEd program requirements for Concurrent program.
Requirements Six Year program Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Intermediate/Senior level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements) Note: Students must choose two teachable subjects. See Department of Undergraduate Studies in Education, Levels and Teachables.
First Year: (a) Geography 1140 (b) One FCE from English 1011, 1031, 1111, 1112 (c) Two and one-half FCEs in Science (Geography excluded) (d) Education 1xxx
Second Year: (a) Geography 2232, 2251, 2271, 2331, 2351, 2511, 2811 (b) One-half FCE electives (c) One-half FCEs in Science (Geography excluded) (d) Education 2xxx
Third Year:

- (a) Two and one-half FCEs in Geography at the third year level*
- (b) One FCE elective in Science (Geography excluded)
- (c) One FCE elective
- (d) One-half Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: *Students also completing the Certificate Program in Geomatics are recommended to take Geography 3253 or Natural Resources Management 2270.

Fourth Year:

- (a) Three FCEs in Geography at the fourth year level
- (b) One FCE elective in Science
- (c) One FCE elective in Science (Geography excluded)

Fifth and Sixth Years (2-Year Professional program):

Concurrent Education (Intermediate/Senior) requirements (see PROVIDE LINK)

<u>Budgetary Considerations</u>	
Student Enrolment	x
Student Enrolment Other Units	x
Additional Resources	x
Teaching Loads	x
TeachingSupport Services	x
Outside Support	x

3.	New Program	XXXX - HBSCBED.GEOG.JI - Honours BSc, BEd (Geography Major) J/I
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Degree Details

XXXX - HBSCBED.GEOG.JI - Honours BSc, BEd (Geography Major) J/I Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 year BEd program requirements for concurrent program.
Requirements Six Year program Prior to Entry into 2-Year Professional Program In concurrent Education programs at the Junior/Intermediate level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements) Note: Students must choose one teachable subject. See Department of Undergraduate Studies in Education, Levels and Teachables. First Year: (a) Geography 1140 (b) One FCE from English 1011, 1031, 1111, 1112 (c) One FCE in Science, Geography excluded (General Science 1000 recommended) (see Concurrent Education Content Regulations #1, regarding eligible Science courses) (d) One and one-half FCE in Science (Geography excluded) (e) Education 1xxx Second Year: (a) Geography 2232, 2251, 2271, 2331, 2351, 2511, 2811 (b) One-half FCE electives (c) One-half FCEs in Science (Geography excluded) (d) Education 2xxx Third Year: (a) Two and one-half FCEs in Geography at the third year level

- (b) One FCE elective in Science (Geography excluded)
- (c) One FCE elective
- (d) One-half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: *Students also completing the Certificate Program in Geomatics are recommended to take Geography 3253 or Natural Resources Management 2270.

Fourth Year

- (a) Three FCEs in Geography at the fourth year level
- (b) Two FCE electives in Science

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Junior/Intermediate) requirements (see PROVIDE LINK)

Budgetary Considerations

Student Enrolment

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x

4.	New Program	XXXX - HBSCBED.GEOG.PJ - Honours BSc, BEd (Geography Major) P/J
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Degree Details

XXXX - HBSCBED.GEOG.PJ - Honours BSc, BEd (Geography Major) P/J Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 year BEd program requirements for concurrent program.
Requirements Six Year program Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Primary/Junior level, students must meet and complete requirements of the partnering Honours degree program requirements. (See Concurrent Degree Programs Information for Education requirements) First Year: (a) Geography 1140 (b) One FCE from English 1011, 1031, 1111, 1112 (c) One and one-half FCEs in Science (Geography excluded) (d) One FCE in Science, Geography excluded (General Science 1000 recommended) (see Concurrent Education Content Regulations #1 regarding eligible Science courses) (e) Education 1xxx Second Year: (a) Geography 2232, 2251, 2271, 2331, 2351, 2511, 2811 (b) One-half FCE electives (c) One-half FCE in Science (Geography excluded) (d) Education 2xxx Third Year: (a) Two and one-half FCEs in Geography at the third year level (b) One FCE elective in Science (Geography excluded) (c) One FCE elective

(d) One-half Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: *Students also completing the Certificate Program in Geomatics are recommended to take Geography 3253 or Natural Resources Management 2270.

Fourth Year:

- (a) Three FCEs in Geography at the fourth year level
- (b) One FCE electives in Science
- (c) One FCE elective in Science (Geography excluded)

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Primary/Junior) requirements (see PROVIDE LINK)

Budgetary Considerations

Student Enrolment

X

Student Enrolment Other Units

X

Additional Resources

X

Teaching Loads

X

TeachingSupport Services

X

Outside Support

X

5.	New Program	XXXX - HBSCBED.GEOL.IS - Honours BSc, BEd (Geology Major) I/S
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Degree Details

XXXX - HBSCBED.GEOL.IS - Honours BSc, BEd (Geology Major) I/S Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 year BEd program requirements for concurrent program.
Requirements Six Year program Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Intermediate/Senior level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements) Note: Students must choose two teachable subjects. (See Department of Undergraduate Studies in Education, Levels and Teachables.) First Year: (a) Geology 1111, 1131 (b) Chemistry 1110, 1130 (c) English 1011 (d) Mathematics 1210 and 1230 or 1151 and 1152 or 1171 and 1172 (e) Physics 1101 or 1113 and 1133 (f) Education 1xxx Notes: 1. Chemistry Students planning to major in Geology who lack OAC Chemistry or equivalent, must register for Chemistry 1050/1070 as a science elective. After successful completion of Chemistry 1050/1070 one of the following will apply: (a) In Year 2 the student registers for Chemistry 1110/1130 as one of the one and one half course electives. (b) If the final mark in Chemistry 1050/1070 is at least 80%, the Department may waive the Chemistry

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1110/1130 requirement. In this case the student must select a full course in Science from the electives in Year 2 of the program.

2. 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.

3. Physics

Students planning to major in Geology who lack Grade 12 U or M Physics may still register for Physics 1101 or 1113 and 1133.

Second Year:

(a) Geology 2112, 2214, 2215, 2217, 2219, 2310, 2318

(b) English 1031

(c) One-half FCE elective

(d) Education 2xxx

Third Year:

(a) Geology 3110, 3130, 3216, 3217, 3310, 3311, 3410

(b) Mathematics 2310 and 2311

(c) One-half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

Fourth Year:

(a) Geology 4137, 4161, 4181, 4215, 4313, 4411

(b) One FCE from: Biology, Chemistry, Computer Science, Mathematics or Physics

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Intermediate/Senior) requirements (see PROVIDE LINK)

Budgetary Considerations

Student Enrolment

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x

6.	New Program	XXXX - HBSCBED.GLPY.IS - Honours BSc, BEd (Geology with Major Concentration in Physics) I/S
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Degree Details

XXXX - HBSCBED.GLPY.IS - Honours BSc, BEd (Geology with Major Concentration in Physics) I/S Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 year BEd program requirements for concurrent program.
Requirements Six Year program A six year program leading to a background suitable for those seeking a career in geophysics. Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Intermediate/Senior level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements) Note: Students must choose two teachable subjects. (See Department of Undergraduate Studies in Education, Levels and Teachables.) First Year: (a) Geology 1111, 1131 (b) Physics 1211 and 1212 (c) Chemistry 1110, 1130 (d) English 1011 (e) Mathematics 1210 and 1230 or 1151 and 1152 or 1171 and 1172 (f) Education 1xxx Note:
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1. Chemistry

Students planning to major in Geology who lack OAC Chemistry or equivalent, must register for Chemistry 1050/1070 as a science elective. After successful completion of Chemistry 1050/1070 one of the following will apply:

- (a) In Year 2 the student registers for Chemistry 1110/1130 as one of the one and one half FCE electives.
- (b) If the final mark in Chemistry 1050/1070 is at least 80%, the Department may waive the Chemistry 1110/1130 requirement. In this case the student must select a full course in Science from the electives in Year 2 of the program.

2. 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.

3. Physics

Students planning to major in Geology who lack Grade 12 U or M Physics may still register for Physics 1101 or 1113 and 1133.

Second Year:

- (a) Geology 2112, 2214, 2217, 2310, 2318
- (b) Physics 2151, 2311
- (c) Mathematics 2111
- (d) English 1031
- (d) Education 2xxx

Third Year:

- (a) Geology 2219, 3216, 3310
- (b) Physics 2111, 2211 and 2331
- (c) Mathematics 2131
- (d) One FCE electives
- (e) One-half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

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 FCE elective in Physics
- (e) One-half FCE elective in Geology or Physics

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Intermediate/Senior) requirements (see PROVIDE LINK)

Budgetary Considerations**Student Enrolment**

x

Student Enrolment Other Units

xx

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x

7.	New Program	XXXX - HBSCBED.GLPY.JI - Honours BSc, BEd (Geology with Major Concentration in Physics) J/I
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Degree Details

XXXX - HBSCBED.GLPY.JI - Honours BSc, BEd (Geology with Major Concentration in Physics) J/I Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HESED
Major
Minor
Specialization
Rationale Implementation of the 2 year BEd program requirements for concurrent program.
Requirements Six Year program A six year program leading to a background suitable for those seeking a career in geophysics. Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Junior/Intermediate level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements) Note: Students must choose a teachable subject. See Department of Undergraduate Studies in Education, Levels and Teachables. First Year: (a) Geology 1111, 1131 (b) Physics 1211 and 1212 (c) Chemistry 1110, 1130 (d) English 1011 (e) Mathematics 1210 and 1230 or 1151 and 1152 or 1171 and 1172 (f) Education 1xxx Note: 1. Chemistry Students planning to major in Geology who lack OAC Chemistry or equivalent, must register for Chemistry 1050/1070 as a science elective. After successful completion of Chemistry 1050/1070 one of the following will apply:

- (a) In Year 2 the student registers for Chemistry 1110/1130 as one of the one and one half FCE electives.
- (b) If the final mark in Chemistry 1050/1070 is at least 80%, the Department may waive the Chemistry 1110/1130 requirement. In this case the student must select a full course in Science from the electives in Year 2 of the program.

2. 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.

3. Physics

Students planning to major in Geology who lack Grade 12 U or M Physics may still register for Physics 1101 or 1113 and 1133.

Second Year:

- (a) Geology 2112, 2214, 2217, 2310, 2318
- (b) Physics 2151, 2311
- (c) Mathematics 2111
- (d) English 1031
- (e) Education 2xxx

Third Year:

- (a) Geology 2219, 3216, 3310
- (b) Physics 2111, 2211 and 2331
- (c) Mathematics 2131
- (d) One-half FCE elective
- (e) One-half FCE elective in Music or Visual Arts
- (f) One-half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

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 FCE elective in Physics
- (e) One-half FCE elective in Geology or Physics

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Junior/Intermediate) requirements (see PROVIDE LINK)

Budgetary Considerations

Student Enrolment

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x

8.	New Program	XXXX - HBSCBED.GLPY.PJ - Honours BSc, BEd (Geology with Major Concentration in Physics) P/J
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Degree Details

XXXX - HBSCBED.GLPY.PJ - Honours BSc, BEd (Geology with Major Concentration in Physics) P/J Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 year BEd program requirements for concurrent program.
Requirements Six Year program A six year program leading to a background suitable for those seeking a career in geophysics. Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Primary/Junior level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree programs Information for Education requirements)
First Year: (a) Geology 1111, 1131 (b) Physics 1211 and 1212 (c) Chemistry 1110, 1130 (d) English 1011 (e) Mathematics 1210 and 1230 or 1151 and 1152 or 1171 and 1172 (f) Education 1xxx
Note: 1. Chemistry Students planning to major in Geology who lack OAC Chemistry or equivalent, must register for Chemistry 1050/1070 as a science elective. After successful completion of Chemistry 1050/1070 on of the following will apply: (a) In Year 2 the student registers for Chemistry 1110/1130 as one of the one and on half FCE electives.

(b) If the final mark in Chemistry 1050/1070 is at least 80%, the Department may waive the Chemistry 1110/1130 requirement. In this case the student must select a full course in Science from the electives in Year 2 of the program.

2. 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.

3. Physics

Students planning to major in Geology who lack Grade 12 U or M Physics may still register for Physics 1101 or 1113 and 1133.

Second Year:

- (a) Geology 2112, 2214, 2217, 2310, 2318
- (b) Physics 2151, 2311
- (c) Mathematics 2111
- (d) English 1031
- (d) Education 2xxx

Third Year:

- (a) Geology 2219, 3216, 3310
- (b) Physics 2111, 2211 and 2331
- (c) Mathematics 2131
- (d) One-half FCE electives
- (e) One-half FCE elective in Music or Visual Arts
- (f) One-half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

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 FCE elective in Physics
- (e) One-half FCE elective in Geology or Physics

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Primary/Junior) requirements (see PROVIDE LINK)

Budgetary Considerations

Student Enrolment

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x
Outside Support x

9.	New Program	XXXX - HBSCBED.MATH.IS - Honours BSc, BEd (Mathematics Major) I/S
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Degree Details

XXXX - HBSCBED.MATH.IS - Honours BSc, BEd (Mathematics Major) I/S Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 Year BEd program requirements for concurrent program.
Requirements Six Year program Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Intermediate/Senior level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements.) Note: Student must choose two teachable subjects. (See Department of Undergraduate Studies in Education, Levels and Teachables.) First Year: (a) Mathematics 1171, 1172, 1271 and 1272 (b) One FCE from English, French or Indigenous Language excluding Mathematics, approved by the Department (see Faculty of Social Sciences and Humanities, First Year Arts Program Grouping Requirements) (c) Two FCEs chosen from Biology 1110/1130, Chemistry 1110/1130, Computer Science 1411/1431, Geography 1120, Geology 1110/1130, Physics 1101
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(d) Education 1XXX

Second Year:

- (a) Mathematics 2111, 2131, 2232, 2234, 2255, 2275
- (b) One FCE elective in Science at the second year level or higher
- (c) One-half FCE elective

(d) Education 2XXX

Third Year:

- (a) Mathematics 3231, 3233, 3332, 3334
- (b) One FCE in Mathematics at the third or fourth year level
- (c) One FCE elective in Science
- (d) One-half FCE elective

(e) One-half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

Fourth Year:

- (a) Mathematics 3171, 4151, 4301
- (b) One FCE in Mathematics at the third or fourth year level
- (c) Two FCE electives

Fifth and Sixth Years (2-Year Professional Program): Concurrent Education (Intermediate/Senior) requirements (see PROVIDE LINK)

Budgetary Considerations

Student Enrolment

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x

10.	New Program	XXXX - HBSCBED.MATH.JI - Honours BSc, BEd (Mathematics Major) J/I
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Degree Details

XXXX - HBSCBED.MATH.JI - Honours BSc, BEd (Mathematics Major) J/I Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 Year BEd program requirements for concurrent program.
Requirements Six Year program Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Junior/Intermediate level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Bachelor Degree Programs Information for Education requirements)
Note: Student must choose one teachable subject. (See Department of Undergraduate Studies in Education, Levels and Teachables.)
First Year: (a) Mathematics 1171, 1172, 1271 and 1272 (b) One FCE from English 1011, 1031, 1111, 1112 (it is recommended that at least one be from 1011, 1031), or one FCE from Group I or Group II, excluding Mathematics, approved by the Department (see Faculty of Social Sciences and Humanities, First Year Arts Program Grouping Requirements) (c) Two FCEs chosen from Biology 1110/1130, Chemistry 1110/1130, Computer Science 1411/1431, Geography 1120, Geology 1110/1130, Physics 1101
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(d) Education 1XXX

Second Year:

- (a) Mathematics 2111, 2131, 2232, 2234, 2255, 2275
- (b) One FCE elective in Science at the second year level or higher
- (c) One-half FCE elective
- (d) Education 2XXX

Third Year:

- (a) Mathematics 3231, 3233, 3332, 3334
- (b) One FCE in Mathematics at the third or fourth year level
- (c) One FCE elective in Science
- (d) One-half FCE elective
- (e) One-half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

Fourth Year:

- (a) Mathematics 3171, 4151, 4301
- (b) One FCE in Mathematics at the third or fourth year level
- (c) Two FCE electives

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Junior/Intermediate) requirements (see PROVIDE LINK)

Budgetary Considerations

Student Enrolment

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x

11.	New Program	XXXX - HBSCBED.MATH.PJ - Honours BSc, BEd (Mathematics Major) P/J
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Degree Details

XXXX - HBSCBED.MATH.PJ - Honours BSc, BEd (Mathematics Major) P/J Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 Year BEd program requirements for concurrent program.
Requirements Six Year program Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Primary/Junior level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements) First Year: (a) Mathematics 1171, 1172, 1271 and 1272 (b) One FCE from English 1011, 1031, 1111, 1112 (it is recommended that at least one be from 1011, 1031), or one FCE from Group I or Group II, excluding Mathematics, approved by the Department (see Faculty of Social Sciences and Humanities, First Year Arts Program Grouping Requirements) (c) Two FCEs chosen from Biology 1110/1130, Chemistry 1110/1130, Computer Science 1411/1431, Geography 1120, Geology 1110/1130, Physics 1101 (d) Education 1XXX Second Year: (a) Mathematics 2111, 2131, 2232, 2234, 2255, 2275 (b) One FCE elective in Science at the second year level or higher (c) One-half FCE elective (d) Education 2XXX Third Year:
Printed: 01/09/2015

- (a) Mathematics 3231, 3233, 3332, 3334
- (b) One FCE in Mathematics at the third or fourth year level
- (c) One FCE elective in Science
- (d) One-half FCE elective
- (e) One-half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

Fourth Year:

- (a) Mathematics 3171, 4151, 4301
- (b) One FCE in Mathematics at the third or fourth year level
- (c) Two FCE electives

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Primary/Junior) requirements (see PROVIDE LINK)

<u>Budgetary Considerations</u>
Student Enrolment x
Student Enrolment Other Units x
Additional Resources x
Teaching Loads x
TeachingSupport Services x
Outside Support x

12.	New Program	XXXX - HBSCBED.PHYS.IS - Honours BSc, BEd (Physics Major) I/S
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Degree Details

XXXX - HBSCBED.PHYS.IS - Honours BSc, BEd (Physics Major) I/S Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 Year BEd program requirements for concurrent program.
Requirements Six Year program Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Intermediate/Senior level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements.) Note: Student must choose two teachable subjects. (See Department of Undergraduate Studies in Education, Levels and Teachables.) First Year: (a) Mathematics 1171, 1172, 1271 and 1272 (b) One FCE from English, French or Indigenous Language excluding Mathematics, approved by the Department (see Faculty of Social Sciences and Humanities, First Year Arts Program Grouping Requirements) (c) Two FCEs chosen from Biology 1110/1130, Chemistry 1110/1130, Computer Science 1411/1431, Geography 1120, Geology 1110/1130, Physics 1101 (d) Education 1XXX
Printed: 01/09/2015

Second Year:

- (a) Mathematics 2111, 2131, 2232, 2234, 2255, 2275
- (b) One FCE elective in Science at the second year level or higher
- (c) One-half FCE elective
- (d) Education 2XXX

Third Year:

- (a) Mathematics 3231, 3233, 3332, 3334
- (b) One FCE in Mathematics at the third or fourth year level
- (c) One FCE elective in Science
- (d) One-half FCE elective
- (e) One-half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

Fourth Year:

- (a) Mathematics 3171, 4151, 4301
- (b) One FCE in Mathematics at the third or fourth year level
- (c) Two FCE electives

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Intermediate/Senior) requirements (see PROVIDE LINK)

Budgetary Considerations**Student Enrolment**

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x

13.	New Program	XXXX - HBSCBED.PHYS.JI - Honours BSc, BEd (Physics Major) J/I
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Degree Details

XXXX - HBSCBED.PHYS.JI - Honours BSc, BEd (Physics Major) J/I Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 year BEd program requirements for concurrent program.
Requirements Six Year program A cumulative average of 70% in all Physics courses is required. Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Junior/Intermediate level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements). Note: Students must choose a teachable subject. See Department of Undergraduate Studies in Education , Levels and Teachables. First Year: (a) Physics 1211 and 1212 (b) Mathematics 1171 and 1172 (c) Chemistry 1110, 1130 (d) One FCE in English (e) Computer Science 0411 or 1411 (f) Education 1xxx Second Year: (a) Physics 2111, 2151, 2211, 2311, 2331 and 2332 (b) Physics 2151 or one-half FCE elective (c) Mathematics 2111 and 2131 (d) One-half FCE elective in Music or Visual Arts

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(e) Education 2xxx

Third Year:

- (a) Physics 3113, 3211 and 3231
- (b) Physics 4113 or 4171
- (c) Physics 3371 or 4211
- (d) A Physics half-course elective at the third or fourth year level
- (e) Mathematics 3131 and 3133
- (f) Physics 2151 or one-half FCE elective (the one not previously taken)
- (g) One-half FCE Education elective (see Electives in Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

Fourth Year:

- (a) Physics 4115, 4411 and 4412
- (b) Physics 4113 or 4171 (the one not previously taken)
- (c) Physics 3371 or 4211 (the one not previously taken)
- (d) A Physics half-course elective at the third or fourth year level
- (e) Two FCE electives

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Junior/Intermediate) requirements (see PROVIDE LINK)

Budgetary Considerations

Student Enrolment

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x

14.	New Program	XXXX - HBSCBED.PHYS.PJ - Honours BSc, BEd (Physics Major) P/J
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Degree Details

XXXX - HBSCBED.PHYS.PJ - Honours BSc, BEd (Physics Major) P/J Start Term: Fall 2015 End Term: No Specified End Date

<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 year BEd program requirements for concurrent program.
Requirements Six Year program A cumulative average of 70% in all Physics courses is required. Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Primary/Junior level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements). First Year: (a) Physics 1211 and 1212 (b) Mathematics 1171 and 1172 (c) Chemistry 1110, 1130 (d) One FCE in English (e) Computer Science 0411 or 1411 (f) Education 1xxx Second Year: (a) Physics 2111, 2211, 2311, 2331 and 2332 (b) Physics 2151 or one-half FCE elective (c) Mathematics 2111 and 2131 (d) One-half FCE elective in Music or Visual Arts (e) Education 2xxx Third Year: (a) Physics 3113, 3211 and 3231

- (b) Physics 4113 or 4171
- (c) Physics 3371 or 4211
- (d) A Physics half-course elective at the third or fourth year level
- (e) Mathematics 3131 and 3133
- (f) Physics 2151 or one-half FCE elective (the one not previously taken)
- (g) One-half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

Fourth Year:

- (a) Physics 4115, 4411 and 4412
- (b) Physics 4113 or 4171 (the one not previously taken)
- (c) Physics 3371 or 4211 (the one not previously taken)
- (d) A Physics half-course elective at the third or fourth year level
- (e) Two FCE electives

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Primary/Junior) requirements (see PROVIDE LINK)

Budgetary Considerations

Student Enrolment

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x

15.	New Program	XXXX - HBSCBED.PSYC.IS - Honours BSc, BEd (Psychology Major) I/S
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Degree Details

XXXX - HBSCBED.PSYC.IS - Honours BSc, BEd (Psychology Major) I/S Start Term: Fall 2015 End Term: No Specified End Date
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<u>Required Information</u>
Institution Unit Faculty of Education
Degree Type HBSED
Major
Minor
Specialization
Rationale Implementation of the 2 year BEd program requirements for concurrent program.
Requirements Six Year program A student may, in consultation with the Department, enter the Honours BSc program in Psychology in any year providing an overall B average has been made in the Psychology courses of the preceding years. Prior to Entry into the 2-Year Professional Program In concurrent Education programs at the Intermediate/Senior level, students must meet and complete requirements of the partnering Honours degree program including all Pre-Professional Program Education requirements. (See Concurrent Degree Programs Information for Education requirements.) Note X3: Each I/S student must: (a) choose a first and second teaching field (teachables); (b) have 5 FCE in a first teachable and 3 FCE in a second teachable. See Department of Undergraduate Studies in Education, Levels and Teachable. Courses will be chosen in consultation with the Department (see Department of Psychology, Academic Regulations, Note 2; and Note X3 above). First Year: (a) Psychology 1100 (b) Mathematics 1151 and 1152, or Computer Science 1411 and 1431 (c) Two FCEs in science from the first teaching field (see Note X3 above) (d) One FCE in English, French or Indigenous Language

(e) Education 1xxx

Second Year:

- (a) Psychology 2101 (Mathematics 2310 and 2311 may be taken instead, in which case, one of the courses in (c) must be replaced by another Psychology course)
- (b) One FCE in Psychology selected from the core groups (see Department of Psychology, Academic Regulations, Notes 1 and 3)
- (c) Two FCEs in science from the first teaching field (see Note X3 above)
- (d) One-half FCE elective in the second teaching field (see Note X3 above)
- (e) Education 2XXX

Third Year:

- (a) Psychology 3911
- (b) One and one-half FCEs in Psychology (see Department of Psychology, Academic Regulations, Notes 1 and 3)
- (c) One FCE in science from the first teaching field (see Note X3 above)
- (d) One FCE, which must be in the second teaching field (see Note X3 above) (unless three FCEs in second teachable have already been completed)
- (e) One-half FCE elective
- (f) One-half FCE Education elective (see Electives in the Department of Undergraduate Studies in Education Courses list)

Note: Concurrent Education students should check the timetable for Pre-Professional Program course offerings.

Fourth Year:

- (a) Four FCEs in Psychology, preferably at the third or fourth year level (see Department of Psychology, Academic Regulations, Notes 1, 2 and 3)
- (b) One FCE elective

Note: Students who are contemplating graduate studies or other research activities in Psychology are urged to take Specialized Honours in Psychology.

Fifth and Sixth Years (2-Year Professional Program):

Concurrent Education (Intermediate/Senior) requirements (see PROVIDE LINK)

Budgetary Considerations

Student Enrolment

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x

16.	Discontinued Program	BSCBED.COMP.IS - BSc, BEd (Computer Science Major) I/S
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Degree Details

<p>BSCBED.COMP.IS - BSc, BEd (Computer Science Major) I/S Start Term: Fall 2013 End Term: Fall 2015</p>

<u>Required Information</u>
<p>Institution Unit Education</p>
<p>Degree Type BSBED</p>
<p>Major COMP</p>
<p>Minor</p>
<p>Specialization</p>
<p>Rationale Implementation of the 2 Year BEd program: Computer Studies Teachable will be deleted.</p>
<p>Requirements</p> <p>Four Year program A cumulative average of 65% in all courses is required. See Department of Undergraduate Studies in Education, Academic Regulation #2 regarding the average in the major.</p> <p>Students must choose two teachable subjects. Due to its required concentration, the only second teachable is Mathematics. See Department of Undergraduate Studies in Education, Levels and Teachables.</p> <p>First Year: (a) Computer Science 1411, 1431 (b) Mathematics 1171, 1172, 1271 and 1272 (c) One FCE from English 1011, 1031, 1111, 1112 (It is recommended that at least one be from 1011, 1031) (d) One FCE chosen from: Biology 1110/1130, Chemistry 1101, Geography 1120, Geology 1110/1130, Physics 1211/1212</p> <p>Second Year: (a) Computer Science 2412, 2453, 2476, 2477 (b) Mathematics 2111, 2255, 2275 (c) Sociology 2455 (d) Education 1499 and 2399 (0.5 FCE x 2 = 1 FCE)</p> <p>Third Year: (a) Computer Science 3413, 3415, 3473 (b) Two half-courses in Computer Science at the third or fourth year level</p>

- (c) One half-course from the List of Program Electives (See Department of Computer Science, Computer Science Programs, Honours BSc (Computer Science) Co-operative Program)
 - (d) Mathematics 3332
 - (e) One half-course elective
 - (f) Four Education electives (Education 2011 (0.5 FCE) recommended) (see Electives in the Department of Undergraduate Studies in Education Courses list)* (.25 FCE x 4 = 1 FCE)
- *Education 3239 may be taken for credit more than once if the topics are different.
Note: Concurrent Education students should check the timetable for non-Professional Year course offerings.

Fourth Year (Professional Year):

- (a) Core:
 - (i) Education 4417, 4418 and 4490 (.25 FCE x 2 + 0.5 FCE x 1 = 1 FCE)
 - (ii) Education 4412, 4413, 4416 (.25 FCE x 3 = .75 FCE)
 - (b) Curriculum and Instruction in Intermediate-Senior Education:
 - (i) Education 4213 or, if teachable is English, one of the Education electives listed in (iii) (.25 FCE)
 - (ii) Two Curriculum and Instruction courses in Teachable 1 and Teachable 2 selected from: Education 4241, 4242, 4244, 4245, 4260, 4261, 4262, 4263, 4265, 4280, 4281, 4283, 4284, 4288 (1 FCE x 2 = 2 FCEs)
 - (iii) Two Education .25 FCE electives (see Electives in the Department of Undergraduate Studies in Education Courses list)* (.25 FCE x 2 = 0.5 FCE)
 - (iv) Education 4271, 4273 (.25 FCE x 2 = 0.5 FCE)
 - (c) Student Teaching:
 - (i) Education 4499 (0.5 FCE)
- *Education 3239 and 3259 may be taken for credit more than once if the topics are different.

Budgetary Considerations

Student Enrolment

x

Student Enrolment Other Units

x

Additional Resources

x

Teaching Loads

x

TeachingSupport Services

x

Outside Support

x