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Submitted curriculum requests (0) [view](#)

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- 0 courses
- 0 degrees
- 0 programs

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- Discontinue Degree

[Catalog](#) [Curriculum](#) [Admin](#)

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Degree Details

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Degree Details **Requirements** **Supporting Documents**

Justification: The purpose of this calendar change is to make the requirements of the program, BA,BEd (Math Majors) J/I, the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA,BEd and BSc,BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education.

Degree Status: In Workflow Request ([View History](#))

Change Type: New Version

Zone 1: Required Information

	Current Version	Proposed Version
	QUALITY ASSURANCE	QUALITY ASSURANCE
	Submitting a New/Change to a Program Proposal? Visit this link for the mandatory Quality Assurance Requirements	Submitting a New/Change to a Program Proposal? Visit this link for the mandatory Quality Assurance Requirements
Program Code:	BABED.MATH.JI	BABED.MATH.JI
AcademicLevel:	Undergraduate	Undergraduate
StartTerm:	Fall 1999	Fall-1999F-W 2013-14
EndTerm:	No Specified End Date	No Specified End Date [?]
InstitutionUnit:	<ul style="list-style-type: none"> Lakehead University Faculty of Education 	<ul style="list-style-type: none"> Lakehead University Faculty of Education
Title:	BA, BEd (Mathematics Major) J/I	BA, BEd (Mathematics Major) J/I
DegreeType:	BABED	BABED
Major:	MATH	MATH
Minor:		
Specialization:		
Rationale for this proposal:		The purpose of this calendar change is to make the requirements of the programs BA, BEd (Math Majors) J/I the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA, BEd and BSc, BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education. The mathematics content of these programs is remaining the same. We did, however, change the years in which various courses are taken, in order to line up the mathematics requirements with our BA and BSc programs. As an example, the BA, BEd programs currently have students take Math 1271 and 1272 in second year, while all other programs have these courses in first year. In the proposed changes, these courses are now taken in first year.
Description:	BABEd JI (Mathematics)	BABEd JI (Mathematics)
Credits:		
Requirements:	<p>Four Year program</p> <p>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 a teachable subject. See Department of Undergraduate Studies in Education, Levels and Teachables.</p> <p>First Year:</p> <p>(a) Mathematics 1171 and 1172</p> <p>(b) One FCE from English 1011, 1031, 1111, 1112, with at least one of 1111, 1112</p> <p>(c) Two FCEs from Group I or Group II, at least one must be in Group II (see Faculty of Social Sciences and Humanities Regulations, First Year Arts Program Grouping Requirements)</p> <p>(d) One FCE in History</p> <p>Second Year:</p> <p>(a) Mathematics 1271, 1272, 2111, 2131</p> <p>(b) One FCE in History or English</p> <p>(c) One FCE from Group I or Group II (see Faculty of Social Sciences and Humanities Regulations, First Year Arts Program Grouping Requirements)</p> <p>(d) Education 1499 and 2399 (0.5 FCE x 2 = 1 FCE)</p> <p>Third Year:</p> <p>(a) Mathematics 2255 and 2275</p> <p>(b) One FCE in Mathematics at the third or fourth year level</p> <p>(c) One half-course in Music or Visual Arts</p> <p>(d) One FCE in Science, excluding Mathematics (General Science 1000 recommended) (see Concurrent Bachelor of Education, Concurrent Content Regulations #1, regarding eligible Science courses)</p> <p>(e) One half-course elective</p>	<p>Four Year program</p> <p>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 a teachable subject. See Department of Undergraduate Studies in Education, Levels and Teachables Concurrent Bachelor Degree Programs, Junior-Intermediate Specialization.</p> <p>First Year:</p> <p>(a) Mathematics 1171, 1172, 1271, and 1172 1272</p> <p>(b) One FCE from English 1011, 1031, 1111, 1112, with (it is recommended that at least one be from 1011, 1031 and that at least one of be from 1111, 1112 (e) Two FCEs), or one FCE from Group I or Group II, at least one must be in Group II (see excluding Mathematics, approved by the Department. See Faculty of Social Sciences and Humanities Regulations, First Year Arts Program Grouping Requirements).</p> <p>(d) One FCE in History (c) Two FCEs from Group II. See Social Sciences and Humanities, First Year Arts Program Grouping Requirements.</p> <p>Second Year:</p> <p>(a) Mathematics 1271 1111, 1272 2131, 2111 2255, 2131 and 2275</p> <p>(b) One FCE in History or English (c) One FCE - Two FCE electives chosen from Group I or Group II (see Faculty of Social Sciences and Humanities Regulations, First Year Arts Program Grouping Requirements) (d) Education 1499 and 2399 (0.5 FCE x 2 = 1 FCE) Third Year: (a) Mathematics 2255 and 2275 (b), excluding Mathematics</p> <p>(c) Education Second Year J/I Core Courses. See</p>

Zone 2: Budgetary Considerations	
Current Version	Proposed Version
Please Complete Each Section and provide explanations for both Yes and No answers.	Please Complete Each Section and provide explanations for both Yes and No answers.
Student Enrolment:	No change to student enrolment. [?]
Student Enrolment Other Units:	Yes. Currently, students are required to take courses from a specific department, e.g., English and History. We are making this requirement more general so that students any group I or II course offered by the Faculty of Social Sciences and Humanities. We are specifying Visual Arts 0510 as a recommended course. [?]
Additional Resources:	No additional resources are required. [?]
Teaching Loads:	No change to teaching loads. [?]
Teaching Support Services :	No change in teaching support services. [?]
Outside Support:	No change in outside support. [?]

[Back](#)

Navigator Suite



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Assigned curriculum requests (153) [view](#)

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- 0 degrees
- 0 programs

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- Discontinue Degree

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[Logout](#) | [Home](#)

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Degree Details **Requirements** **Supporting Documents**

Justification: The purpose of this calendar change is to make the requirements of the program ,BA,BEd (Math Majors) P/J, the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA,BEd and BSc,BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education.

Degree Status: In Workflow Request ([View History](#))

Change Type: New Version

Zone 1: Required Information

	Current Version	Proposed Version
	QUALITY ASSURANCE	QUALITY ASSURANCE
	Submitting a New/Change to a Program Proposal? Visit this link for the mandatory Quality Assurance Requirements	Submitting a New/Change to a Program Proposal? Visit this link for the mandatory Quality Assurance Requirements
Program Code:	BABED.MATH.PJ	BABED.MATH.PJ
AcademicLevel:	Undergraduate	Undergraduate
StartTerm:	Fall 1999	Fall 1999 F-W 2013-14
EndTerm:	No Specified End Date	No Specified End Date [?]
InstitutionUnit:	<ul style="list-style-type: none"> • Lakehead University • Faculty of Education 	<ul style="list-style-type: none"> • Lakehead University • Faculty of Education
Title:	BA, BEd (Mathematics Major) P/J	BA, BEd (Mathematics Major) P/J
DegreeType:	BABED	BABED
Major:	MATH	MATH
Minor:		
Specialization:		
Rationale for this proposal:		The purpose of this calendar change is to make the requirements of the programs BA, BEd (Math Majors) P/J the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA, BEd and BSc, BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education. The mathematics content of these programs is remaining the same. We did, however, change the years in which various courses are taken, in order to line up the mathematics requirements with our BA and BSc programs. As an example, the BA, BEd programs currently have students take Math 1271 and 1272 in second year, while all other programs have these courses in first year. In the proposed changes, these courses are now taken in first year.
Description:	BABEd PJ (Mathematics)	BABEd PJ (Mathematics)
Credits:		
Requirements:	<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>First Year: (a) Mathematics 1171 and 1172 (b) One FCE from English 1011, 1031, 1111, 1112, with at least one of English 1111, 1112 (c) Two FCEs offered by the Faculty of Social Sciences and Humanities, at least one must be in Group II (See Faculty of Social Sciences and Humanities Regulations, First Year Arts Program Grouping Requirements) (d) One FCE in History</p> <p>Second Year: (a) Mathematics 1271, 1272, 2111, 2131 (b) One FCE in History or English (c) One FCE elective (d) Education 1499 and 2399 (0.5 FCEs x 2 = 1 FCE)</p> <p>Third Year: (a) Mathematics 2255 and 2275 (b) One FCE in Mathematics at the third or fourth year level (c) One half-course in Music or Visual Arts (d) One FCE in Science, excluding Mathematics (General Science 1000 recommended) (see Concurrent Bachelor of Education, Concurrent Content Regulations #1, regarding eligible Science courses) (e) One half-course elective (f) Education 2010 (0.5 FCE) (g) Two Education electives (see Electives in the Department of Undergraduate Studies in Education Courses list) * (.25 FCE x 2 = 0.5 FCE) *Education 3239 may be taken for credit more than once if the topics are different.</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>First Year: (a) Mathematics 1171, 1172, 1271, and 11721272 (b) One FCE from English 1011, 1031, 1111, 1112, with (it is recommended that at least one be from 1011, 1031 and that at least one of English be from 1111, 1112) (c) Two FCEs offered by the, or one FCE from Group I or Group II, excluding Mathematics, approved by the Department. See Faculty of Social Sciences and Humanities, at least one must be in Group II (See Faculty of First Year Arts Program Grouping Requirements). (c) Two FCEs from Group II. See Social Sciences and Humanities Regulations, First Year Arts Program Grouping Requirements (d) One FCE in History.</p> <p>Second Year: (a) Mathematics 12712111, 12722131, 21112255, 2131 and 2275 (b) One FCE in History or English Two FCE electives chosen from Group I or Group II, excluding Mathematics (c) One FCE elective (d) Education 1499 and 2399 (0.5 FCEs x 2 = 1 FCE) Third Year: (a) Mathematics 2255 and 2275 (b) Education Second Year P/J Core Courses. See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Primary-Junior Specialization.</p> <p>Third Year (a) One FCE in Mathematics at the third or fourth year level</p>

Zone 2: Budgetary Considerations	
Current Version	Proposed Version
Please Complete Each Section and provide explanations for both Yes and No answers.	Please Complete Each Section and provide explanations for both Yes and No answers.
Student Enrolment:	No change in student enrollment. [?]
Student Enrolment Other Units:	Currently, students in some of these programs are required to take courses from a specific department, e.g., English and History. We are making this requirement more general so that students can take any Group I or II course offered by the Faculty of Social Sciences and Humanities. We are specifying Visual Arts 0510 as a recommended course. [?]
Additional Resources:	No additional resources required. [?]
Teaching Loads:	No change in teaching assignments. [?]
Teaching Support Services :	No change in support or services. [?]
Outside Support:	No change in outside support. [?]

[Back](#)

Navigator Suite



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Assigned curriculum requests (153) [view](#)

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- 0 degrees
- 0 programs

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Degree Details **Requirements** **Supporting Documents**

Justification: The purpose of this calendar change is to make the requirements of the program, BA,BEd (Math Majors) I/S, the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA,BEd and BSc,BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education.

Degree Status: In Workflow Request ([View History](#))

Change Type: New Version

Zone 1: Required Information

	Current Version	Proposed Version
	QUALITY ASSURANCE	QUALITY ASSURANCE
	Submitting a New/Change to a Program Proposal? Visit this link for the mandatory Quality Assurance Requirements	Submitting a New/Change to a Program Proposal? Visit this link for the mandatory Quality Assurance Requirements
Program Code:	BABED.MATH.IS	BABED.MATH.IS
AcademicLevel:	Undergraduate	Undergraduate
StartTerm:	Fall 1999	Fall-1999F-W 2013-14
EndTerm:	No Specified End Date	No Specified End Date [?]
InstitutionUnit:	<ul style="list-style-type: none"> Lakehead University Faculty of Education 	<ul style="list-style-type: none"> Lakehead University Faculty of Education
Title:	BA, BEd (Mathematics Major) I/S	BA, BEd (Mathematics Major) I/S
DegreeType:	BABED	BABED
Major:	MATH	MATH
Minor:		
Specialization:		
Rationale for this proposal:		The purpose of this calendar change is to make the requirements of the program BA, BEd (Math Majors) I/S the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA, BEd and BSc, BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education. The mathematics content of these programs is remaining the same. We did, however, change the years in which various courses are taken, in order to line up the mathematics requirements with our BA and BSc programs. As an example, the BA, BEd programs currently have students take Math 1271 and 1272 in second year, while all other programs have these courses in first year. In the proposed changes, these courses are now taken in first year.
Description:	BABEd IS (Mathematics)	BABEd IS (Mathematics)
Credits:		
Requirements:	<p>Four Year program</p> <p>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. See Department of Undergraduate Studies in Education, Levels and Teachables.</p> <p>First Year:</p> <p>(a) Mathematics 1171 and 1172</p> <p>(b) One FCE from English 1011, 1031, 1111, 1112 (it is recommended that at least one be from English 1011, 1031)</p> <p>(c) One FCE in History</p> <p>(d) One FCE elective in second teaching field</p> <p>(e) One FCE elective in Group II (see Faculty of Social Sciences and Humanities Regulations, First Year Arts Program Grouping Requirements)</p> <p>Second Year:</p> <p>(a) Mathematics 1271, 1272, 2111 and 2131</p> <p>(b) One FCE elective in second teaching field</p> <p>(c) One FCE elective from the Faculty of Social Sciences and Humanities</p> <p>(d) Education 1499 and 2399 (0.5 FCE x 2 = 1 FCE)</p> <p>Third Year:</p> <p>(a) Mathematics 2255 and 2275</p> <p>(b) One FCE in Mathematics at the third or fourth year level</p> <p>(c) One FCE elective in second teaching field</p> <p>(d) One FCE elective</p> <p>(e) 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.</p>	<p>Four Year program</p> <p>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. See Department of Undergraduate Studies in Education, Levels and Teachables Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization.</p> <p>First Year:</p> <p>(a) Mathematics 1171, 1172, 1271 and 11721272</p> <p>(b) One FCE from English 1011, 1031, 1111, 1112 (it is recommended that at least one be from English 1011, 1031 and that at least one be from 1111, 1112), 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.</p> <p>(c) One FCE in History (d) One FCE elective in second teaching field (ed) One FCE elective in Group II (see Faculty of Social Sciences and Humanities Regulations, First Year Arts Program Grouping Requirements).</p> <p>Second Year:</p> <p>(a) Mathematics 1271, 1272, 2111, 21312255 and 21312275</p> <p>(b) One FCE elective in second teaching field</p> <p>(c) One FCE elective from the Faculty of Social Sciences and Humanities Group I or Group II excluding Mathematics</p> <p>(d) Education 1499 and 2399 (0.5 FCE x 2 = 1 FCE) Second Year I/S Core Courses. See</p>

Zone 2: Budgetary Considerations	
Current Version	Proposed Version
Please Complete Each Section and provide explanations for both Yes and No answers.	Please Complete Each Section and provide explanations for both Yes and No answers.
Student Enrolment:	No change in student enrollment. [?]
Student Enrolment Other Units:	Currently, students in some of these programs are required to take courses from a specific department, e.g., English and History. We are making this requirement more general so that students can take any Group I or II course offered by the Faculty of Social Sciences and Humanities. We are specifying Visual Arts 0510 as a recommended course. [?]
Additional Resources:	No change in additional resources. [?]
Teaching Loads:	No change in teaching assignments. [?]
Teaching Support Services :	No change in teaching support services. [?]
Outside Support:	No change in outside support. [?]

[Back](#)

Navigator Suite



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[Logout](#) | [Home](#)

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Edit Resources

My Curriculum

Assigned curriculum requests (153) [view](#)

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- 0 curriculum requests
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- 0 degrees
- 0 programs

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Manage Degrees

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Degree Details

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Degree Details | **Requirements** | **Supporting Documents**

Justification: The purpose of this calendar change is to make the requirements of the program, BSc,BEd (Math Majors) I/S, the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA,BEd and BSc,BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education.

Degree Status: In Workflow Request ([View History](#))

Change Type: New Version

Zone 1: Required Information

	Current Version	Proposed Version
	QUALITY ASSURANCE	QUALITY ASSURANCE
	Submitting a New/Change to a Program Proposal? Visit this link for the mandatory Quality Assurance Requirements	Submitting a New/Change to a Program Proposal? Visit this link for the mandatory Quality Assurance Requirements
Program Code:	BSCBED.MATH.IS	BSCBED.MATH.IS
AcademicLevel:	Undergraduate	Undergraduate
StartTerm:	Fall 2003	Fall-2003F-W 2013-14
EndTerm:	No Specified End Date	No Specified End Date [?]
InstitutionUnit:	<ul style="list-style-type: none"> Lakehead University Faculty of Education 	<ul style="list-style-type: none"> Lakehead University Faculty of Education
Title:	BSc, BEd (Mathematics Major) I/S	BSc, BEd (Mathematics Major) I/S
DegreeType:	BSBED	BSBED
Major:	MATH	MATH
Minor:		
Specialization:		
Rationale for this proposal:		The purpose of this calendar change is to make the requirements of the program BSc, BEd (Math Majors) I/S the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA, BEd and BSc, BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education. The mathematics content of these programs is remaining the same. We did, however, change the years in which various courses are taken, in order to line up the mathematics requirements with our BA and BSc programs. As an example, the BA, BEd programs currently have students take Math 1271 and 1272 in second year, while all other programs have these courses in first year. In the proposed changes, these courses are now taken in first year.
Description:	BScBEd IS (Mathematics)	BScBEd IS (Mathematics)
Credits:		
Requirements:	<p>Four Year program</p> <p>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. See Department of Undergraduate Studies in Education, Levels and Teachables.</p> <p>First Year:</p> <p>(a) Mathematics 1171, 1172, 1271 and 1272</p> <p>(b) One FCE from English 1011, 1031, 1111, 1112 (it is recommended that at least one be 1011 or 1031). English may be used as a second teachable. (See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization.)</p> <p>(c) Two FCEs chosen from Biology 1110/1130, Chemistry 1110/1130, Computer Science 1411/1431, Geography 1120, Geology 1110/1130, Physics 1101. One of these may be in the second teaching field.</p> <p>Second Year:</p> <p>(a) Mathematics 2111, 2131, 2255, 2275</p> <p>(b) One FCE in Science</p> <p>(c) One FCE in the second teaching field</p> <p>(d) Education 1499 and 2399 (0.5 FCE x 2 = 1 FCE)</p> <p>Third Year:</p> <p>(a) One FCE in Mathematics at the third or fourth year level</p> <p>(b) One FCE in Science</p> <p>(c) Two FCEs in second teaching field</p> <p>(d) 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)</p> <p>* Education 3239 may be taken for credit more</p>	<p>Four Year program</p> <p>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. See Department of Undergraduate Studies in Education, Levels and Teachables Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization.</p> <p>First Year:</p> <p>(a) Mathematics 1171, 1172, 1271 and 1272</p> <p>(b) One FCE from English 1011, 1031, 1111, 1112</p> <p>(it is recommended that at least one be from 1011 or 1031). English may be used as a second teachable. (See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization), 1031 and that at least one be from 1111, 1112), 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.</p> <p>(c) Two FCEs chosen from Biology 1110/1130, Chemistry 1110/1130, Computer Science 1411/1431, Geography 1120, Geology 1110/1130, Physics 1101. One of these may be in the second teaching field.</p> <p>Second Year:</p> <p>(a) Mathematics 2111, 2131, 2255, 2275</p> <p>(b) One FCE in Science</p> <p>(c) One FCE in the second teaching field</p> <p>(d) Education 1499 and 2399 (0.5 FCE x 2 = 1 FCE) Second Year I/S Core Courses. See Department of Undergraduate Studies in</p>

Zone 2: Budgetary Considerations	
Current Version	Proposed Version
Please Complete Each Section and provide explanations for both Yes and No answers.	Please Complete Each Section and provide explanations for both Yes and No answers.
Student Enrolment:	No change in student enrollment. [?]
Student Enrolment Other Units:	Currently, students in some of these programs are required to take courses from a specific department, e.g., English and History. We are making this requirement more general so that students can take any Group I or II course offered by the Faculty of Social Sciences and Humanities. We are specifying Visual Arts 0510 as a recommended course. [?]
Additional Resources:	No change in resources required. [?]
Teaching Loads:	No change in teaching assignments. [?]
Teaching Support Services :	No change in teaching support services. [?]
Outside Support:	No change in outside support. [?]

[Back](#)

Navigator Suite



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Edit Resources

My Curriculum

Assigned curriculum requests (153) [view](#)

Submitted curriculum requests (0) [view](#)

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- 0 curriculum requests
- 0 courses
- 0 degrees
- 0 programs

Quick Links

Manage Degrees

[Search For Degree](#)

- Copy Degree
- Create New Version of Degree
- Discontinue Degree

[Catalog](#) [Curriculum](#) [Admin](#)

[Logout](#) | [Home](#)

Degree Details

[Generate Pdf Report](#)

Degree Details **Requirements** **Supporting Documents**

Justification: The purpose of this calendar change is to make the requirements of the program, BSc, BEd (Math Majors) J/1, the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA, BEd and BSc, BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education.

Degree Status: In Workflow Request ([View History](#))

Change Type: New Version

Zone 1: Required Information

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Program Code:	BSCBED.MATH.JI	BSCBED.MATH.JI
AcademicLevel:	Undergraduate	Undergraduate
StartTerm:	Fall 2003	Fall-2003F-W 2013-14
EndTerm:	No Specified End Date	No Specified End Date [?]
InstitutionUnit:	<ul style="list-style-type: none"> Lakehead University Faculty of Education 	<ul style="list-style-type: none"> Lakehead University Faculty of Education
Title:	BSc, BEd (Mathematics Major) J/I	BSc, BEd (Mathematics Major) J/I
DegreeType:	BSBED	BSBED
Major:	MATH	MATH
Minor:		
Specialization:		
Rationale for this proposal:		The purpose of this calendar change is to make the requirements of the program BSc, BEd (Math Majors) J/I the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA, BEd and BSc, BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education. The mathematics content of these programs is remaining the same. We did, however, change the years in which various courses are taken, in order to line up the mathematics requirements with our BA and BSc programs. As an example, the BA, BEd programs currently have students take Math 1271 and 1272 in second year, while all other programs have these courses in first year. In the proposed changes, these courses are now taken in first year.
Description:	BScBEd JI (Mathematics)	BScBEd JI (Mathematics)
Credits:		
Requirements:	<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 a teachable subject. See Department of Undergraduate Studies in Education, Levels and Teachables.</p> <p>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) (c) Two FCEs chosen from Biology 1110/1130, Chemistry 1110/1130, Computer Science 1411/1431, Geography 1120, Geology 1110/1130, Physics 1101</p> <p>Second Year: (a) Mathematics 2111, 2131, 2255, 2275 (b) One FCE in Science (c) One half-course in Music or Visual Arts (d) One half-course elective (e) Education 1499 and 2399 (0.5 FCE x 2 = 1 FCE)</p> <p>Third Year: (a) One FCE in Mathematics at the third or fourth year level (b) One FCE in Science (c) Two FCE electives (d) Education 2011 (0.5 FCE) (e) Two Education electives (see Electives in the Department of Undergraduate Studies in Education Courses list) * (.25 FCE x 2 = 0.5 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</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. Students must choose a teachable subject. See Department of Undergraduate Studies in Education, Levels and Teachables Concurrent Bachelor Degree Programs, Junior-Intermediate Specialization.</p> <p>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 and that at least one be from 1111, 1112), 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 from Group II. See Social Sciences and Humanities, First Year Arts Program Grouping Requirements.</p> <p>Second Year: (a) Mathematics 2111, 2131, 2255, and 2275 (b) One FCE in Science (c) One half-course in Music or Visual Arts (d) One half-course elective (e) Education 1499 and 2399 (0.5 FCE x 2 = 1 FCE) Third Year: Two FCE electives chosen from Group I or Group II, excluding Mathematics (c) Education Second Year J/I Core Courses. See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Junior-Intermediate Specialization.</p>

Zone 2: Budgetary Considerations	
Current Version	Proposed Version
Please Complete Each Section and provide explanations for both Yes and No answers.	Please Complete Each Section and provide explanations for both Yes and No answers.
Student Enrolment:	No change to student enrollment. [?]
Student Enrolment Other Units:	Currently, students in some of these programs are required to take courses from a specific department, e.g., English and History. We are making this requirement more general so that students can take any Group I or II course offered by the Faculty of Social Sciences and Humanities. We are specifying Visual Arts 0510 as a recommended course. [?]
Additional Resources:	No additional resources needed. [?]
Teaching Loads:	No change to teaching assignments. [?]
Teaching Support Services :	No change to teaching support and services. [?]
Outside Support:	No change to outside support. [?]

[Back](#)

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Degree Details **Requirements** **Supporting Documents**

Justification: The purpose of this calendar change is to make the requirements of the program, BSc,BEd (Math Majors) P/J the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA,BEd and BSc,BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education.

Degree Status: In Workflow Request ([View History](#))

Change Type: New Version

Zone 1: Required Information

	Current Version	Proposed Version
	QUALITY ASSURANCE	QUALITY ASSURANCE
	Submitting a New/Change to a Program Proposal? Visit this link for the mandatory Quality Assurance Requirements	Submitting a New/Change to a Program Proposal? Visit this link for the mandatory Quality Assurance Requirements
Program Code:	BSCBED.MATH.PJ	BSCBED.MATH.PJ
AcademicLevel:	Undergraduate	Undergraduate
StartTerm:	Fall 2003	Fall-2003F-W 2013-14
EndTerm:	No Specified End Date	No Specified End Date [?]
InstitutionUnit:	<ul style="list-style-type: none"> Lakehead University Faculty of Education 	<ul style="list-style-type: none"> Lakehead University Faculty of Education
Title:	BSc, BEd (Mathematics Major) P/J	BSc, BEd (Mathematics Major) P/J
DegreeType:	BSBED	BSBED
Major:	MATH	MATH
Minor:		
Specialization:		
Rationale for this proposal:		The purpose of this calendar change is to make the requirements of the program BSc, BEd (Math Majors) P/J the same as the BA (Math Major) and BSc (Math Major) offered by the Department of Mathematics, taking into consideration the requirements for the education program. Many of the program requirements of the current BA, BEd and BSc, BEd degrees appear to be relics of old requirements that are not required by the Faculty of Education. The mathematics content of these programs is remaining the same. We did, however, change the years in which various courses are taken, in order to line up the mathematics requirements with our BA and BSc programs. As an example, the BA, BEd programs currently have students take Math 1271 and 1272 in second year, while all other programs have these courses in first year. In the proposed changes, these courses are now taken in first year.
Description:	BScBEd PJ (Mathematics)	BScBEd PJ (Mathematics)
Credits:		
Requirements:	<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>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 1011 or 1031) (c) Two FCEs chosen from Biology 1110/1130, Chemistry 1110/1130, Computer Science 1411/1431, Geography 1120, Geology 1110/1130, Physics 1101</p> <p>Second Year: (a) Mathematics 2111, 2131, 2255, 2275 (b) One FCE in Science (c) One half-course in Music or Visual Arts (d) One half-course elective (e) Education 1499 and 2399 (0.5 FCEs x 2 = 1 FCE)</p> <p>Third Year: (a) One FCE in Mathematics at the third or fourth year level (b) One FCE in Science (c) Two FCE electives (d) Education 2010 (0.5 FCE) (e) Two Education electives (see Electives in the Department of Undergraduate Studies in Education Courses list) * (.25 FCE x 2 = 0.5 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.</p> <p>Fourth Year (Professional Year): (a) Core:</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>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 or 1031), 1031 and that at least one be from 1111, 1112), 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</p> <p>Second Year: (a) Mathematics 2111, 2131, 2255, 2275 (b) One FCE in Science (c) One half-course FCE in Music or Visual Arts (Visual Arts 0510 recommended) (d) One half-course FCE elective (e) Education 1499 and 2399 (0.5 FCEs x 2 = 1 FCE) Second Year P/J Core Courses. See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Primary-Junior Specialization.</p> <p>Third Year: (a) One FCE in Mathematics at the third or fourth year level</p>

Zone 2: Budgetary Considerations	
Current Version	Proposed Version
Please Complete Each Section and provide explanations for both Yes and No answers.	Please Complete Each Section and provide explanations for both Yes and No answers.
Student Enrolment:	No change to student enrollment. [?]
Student Enrolment Other Units:	Currently, students in some of these programs are required to take courses from a specific department, e.g., English and History. We are making this requirement more general so that students can take any Group I or II course offered by the Faculty of Social Sciences and Humanities. We are specifying Visual Arts 0510 as a recommended course. [?]
Additional Resources:	No additional resources required. [?]
Teaching Loads:	No change to teaching assignments. [?]
Teaching Support Services :	No change in teaching support services. [?]
Outside Support:	No change in outside support. [?]

[Back](#)