



<p>1.0 Degree Title Specify the two degrees for concurrent degree programs</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">B.A. & Sc.</div> <p>1.1 Major (Legacy= Subject) (30-char. max.)</p> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <p>1.2 Concentration (Legacy = Concentration/Option) If applicable (30 char. max.)</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Organismal Option</div> <p>1.3 Minor (with Concentration, if applicable) (30 char. max.)</p> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <p>1.4 Category</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; padding: 2px;"><input type="checkbox"/> Faculty Program (FP)</td> <td style="width: 50%; vertical-align: top; padding: 2px;"><input type="checkbox"/> Honours (HON)</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> Major</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> Joint Honours Component (HC)</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> Joint Major</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> Internship/Co-op</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input checked="" type="checkbox"/> Major Concentration (CON)</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> Thesis (T)</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> Minor</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> Non-Thesis (N)</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> Minor Concentration (CON)</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> Other</td> </tr> <tr> <td colspan="2" style="vertical-align: top; padding: 2px;">Please specify</td> </tr> <tr> <td colspan="2" style="text-align: center; vertical-align: bottom; padding: 2px;"><div style="border: 1px solid black; width: 150px; height: 20px; margin: 0 auto;"></div></td> </tr> </table> <p>1.5 Complete Program Title</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">Major Concentration in Biology – Organismal</div>	<input type="checkbox"/> Faculty Program (FP)	<input type="checkbox"/> Honours (HON)	<input type="checkbox"/> Major	<input type="checkbox"/> Joint Honours Component (HC)	<input type="checkbox"/> Joint Major	<input type="checkbox"/> Internship/Co-op	<input checked="" type="checkbox"/> Major Concentration (CON)	<input type="checkbox"/> Thesis (T)	<input type="checkbox"/> Minor	<input type="checkbox"/> Non-Thesis (N)	<input type="checkbox"/> Minor Concentration (CON)	<input type="checkbox"/> Other	Please specify		<div style="border: 1px solid black; width: 150px; height: 20px; margin: 0 auto;"></div>		<p>2.0 Administering Faculty/Unit</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">ARTS and SCIENCE</div> <p>Offering Faculty/Department</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Science/Biology</div> <p>3.0 Effective Term of revision or retirement Please give reasons in 5.0 "Rationale" in the case of retirement (Ex. Sept. 2004 = 200409) <input type="checkbox"/> Retirement</p> <p>Term: <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">200709</div></p> <p>4.0 Existing Credit Weight Proposed Credit Weight</p> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="border: 1px solid black; padding: 2px; width: 150px; text-align: center;">37</div> <div style="border: 1px solid black; width: 150px; height: 20px;"></div> </div> <p>5.0 Rationale for revised program</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>BIOL 310, a new course, is considered by the Department to be sufficiently basic and significant to add to the list of complementary courses in this option</p> <p>BIOL 341 which hasn't been taught in 4 years (professor retired) and BIOL 351 which has been retired should be dropped from the list of complementary courses offered.</p> </div>
<input type="checkbox"/> Faculty Program (FP)	<input type="checkbox"/> Honours (HON)																
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Please specify																	
<div style="border: 1px solid black; width: 150px; height: 20px; margin: 0 auto;"></div>																	
<p>6.0 Revised Program Description (Maximum 150 words)</p> <div style="border: 1px solid black; padding: 10px; min-height: 200px; margin-top: 5px;"> <p>No Change</p> </div>																	

7.0 List of existing program and proposed program

Existing program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)

Major Concentration in Biology (37 credits)

Required Courses* (28 credits)

BIOL 200 (3)	Molecular Biology
BIOL 201 (3)	Cell Biology and Metabolism
BIOL 202 (3)	Basic Genetics
BIOL 205 (3)	Biology of Organisms
BIOL 206 (3)	Methods in Biology of Organisms
BIOL 215 (3)	Introduction to Ecology and Evolution
BIOL 304 (3)	Evolution
BIOL 308 (3)	Ecological Dynamics
CHEM 212 (4)	Organic Chemistry I

* Required courses taken at CEGEP or elsewhere that are not credited toward the B.A. & Sc. or B.Sc/B.Ed. (see section 12.13.31 "Science for Teachers") must be replaced by 3-credit courses from the Complementary Course List. Regardless of the substitution, students must take at least 36 credits in this program.

Complementary Courses (9 credits)

9 credits selected from:

BIOL 303 (3)	Developmental Biology
BIOL 305 (3)	Animal Diversity
BIOL 306 (3)	Neurobiology and Behaviour
BIOL 307 (3)	Behavioural Ecology/Sociobiology
BIOL 331 (3)	Ecology/Behaviour Field Course
BIOL 341 (3)	History of Life
BIOL 350 (3)	Insect Biology and Control
BIOL 351 (3)	The Biology of Invertebrates
BIOL 352 (3)	Vertebrate Evolution
BIOL 373 (3)	Biometry
BIOL 427 (3)	Herpetology
BIOL 435 (3)	Natural Selection
BIOL 441 (3)	Biological Oceanography
BIOL 442 (3)	Marine Biology
BIOL 465 (3)	Conservation Biology

Or other appropriate course at the 300 level or higher with permission of an advisor.

Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)

Major Concentration in Biology (37 credits)

Required Courses* (28 credits)

BIOL 200 (3)	Molecular Biology
BIOL 201 (3)	Cell Biology and Metabolism
BIOL 202 (3)	Basic Genetics
BIOL 205 (3)	Biology of Organisms
BIOL 206 (3)	Methods in Biology of Organisms
BIOL 215 (3)	Introduction to Ecology and Evolution
BIOL 304 (3)	Evolution
BIOL 308 (3)	Ecological Dynamics
CHEM 212** (4)	Organic Chemistry I

* Required courses taken at CEGEP or elsewhere that are not credited toward the B.A. & Sc. or B.Sc/B.Ed. (see section 12.13.31 "Science for Teachers") must be replaced by 3-credit courses from the Complementary Course List. Regardless of the substitution, students must take at least 36 credits in this program.

**Students who have already taken CHEM 212 or its equivalent will choose another appropriate complementary course, to be approved by the adviser.

Complementary Courses (9 credits)

9 credits selected from:

BIOL 303 (3)	Developmental Biology
BIOL 305 (3)	Animal Diversity
BIOL 306 (3)	Neurobiology and Behaviour
BIOL 307 (3)	Behavioural Ecology/Sociobiology
BIOL 310 (3)	Large Scale Ecology
BIOL 331 (3)	Ecology/Behaviour Field Course
BIOL 350 (3)	Insect Biology and Control
BIOL 352 (3)	Vertebrate Evolution
BIOL 373 (3)	Biometry
BIOL 427 (3)	Herpetology
BIOL 435 (3)	Natural Selection
BIOL 441 (3)	Biological Oceanography
BIOL 442 (3)	Marine Biology
BIOL 465 (3)	Conservation Biology

Or other appropriate course at the 300 level or higher with permission of an advisor.

8.0 Consultation with
Related Units

Yes No

Financial Consult Yes No

Attach list of consultations

9. Approvals

Routing Sequence	Name	Signature	Date
Department	<input type="text"/>	<input type="text"/>	<input type="text"/>
Curric/Acad Committee	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 1	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 2	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 3	<input type="text"/>	<input type="text"/>	<input type="text"/>
SCTP	<input type="text"/>	<input type="text"/>	<input type="text"/>
GS	<input type="text"/>	<input type="text"/>	<input type="text"/>
APPC	<input type="text"/>	<input type="text"/>	<input type="text"/>
Senate	<input type="text"/>	<input type="text"/>	<input type="text"/>

Submitted by

Name

Phone

Email

Submission Date

To be completed by ARR:

CIP Code