New Undergraduate Program (Majors, Minors, Sequences) Proposal
Illinois State University - University Curriculum Committee

Program Department Biological Sciences
Submission Date Friday, August 24, 2012
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Version 4
Title of New Program General Biology Sequence
Proposed Starting Catalog Year 2014-2016

Associated Course Proposal(s):
Revise Course proposal BSC 305 titled *Biological Evolution*

1. Proposed Action

New Major

New Minor

✓ New Sequence

More than 50% of courses in this program are Distance Education

No Is this program an Integrated Bachelors/Masters degree program?

Sequence Major

Biological Sciences

2. Provide *Undergraduate Catalog* copy for new program.

Sequence in General Biology

Majors selecting this sequence will receive broad training in the biological sciences. This sequence is designed for students seeking careers in any area of biology. This sequence will also prepare students for graduate studies in the Biological Sciences and/or post-baccalaureate professional schools. The minimum requirements for this sequence are:

-- 38 hours in Biological Sciences required.
-- Required courses for major (*denotes laboratory course): BSC 196*, 197*, and 204.
-- Required courses for sequence: BSC 201*, 203**,** 219, 305.
-- Students must choose two additional BSC courses with laboratories.
-- Required courses outside of Biological Sciences: CHE 110 and 112 or 140 and 141; either CHE 220, or CHE 230 and 231; one of the following: PHY 105, 108 or 110; either MAT 120 and 121, or MAT 145 and 146. NOTE: One of the following may substitute for either MAT 121 or 146: ECO 138, GEO 138, or PSY 138.
-- BSC 202, 307 and Biological Sciences courses below 195 may not be used in the major.
-- A minimum of 12 hours in Biological Sciences courses must be completed at Illinois State University.

3. Provide a description for the proposed program.

The proposed sequence will be part of with the Biological Sciences major leading to a BS degree and shares the core curriculum with the BS in Biological Sciences. Additional requirements in this proposed sequence include courses that will provide broad training in the biological sciences. This sequence is designed to provide students with the background to pursue careers in biology and related fields directly after the BS degree or to continue their education in a graduate or professional degree program. As mandated by the state, the General Biology sequence incorporates the requirements of Biology Teacher Education (BTE) for students that either elect to leave BTE or fail to meet the GPA requirements for BTE.

4. Provide a rationale of proposed program.

The primary goal of this sequence is to provide students with a solid educational background to pursue careers or continuing education in biology or related fields. The sequence is specifically designed to provide broad training for students interested in biology by providing a breadth of courses within the discipline, and will also allow students the opportunity to pursue individualized interests that may not be represented by one of our specialized sequences. Students completing this sequence would also be well prepared to pursue further educational opportunities including graduate programs (MS and PhD) and/or post-baccalaureate professional schools. The General Biology sequence incorporates the requirements of Biology Teacher Education (BTE) for students that either elect to leave BTE or fail to meet the GPA requirements for BTE, thus meeting the teacher education requirements mandated by the state.

5. Describe the expected effects of the proposed program on existing campus programs (if applicable).

No particular effects due to establishment of this sequence are expected on programs outside of the School of Biological Science. The students will already be in the Biological Sciences undergraduate program. We anticipate a modest increase in students in the Biological Sciences program, as by having this undergraduate sequence, additional students may be recruited to the School of Biological Sciences.

6. Provide a sample four year plan of study demonstrating that a student could realistically complete the program requirements in a specific number of semesters.

Example plan of study: (* denotes biology course with a laboratory)

	Fall	**Spring**
First Year		
Major requirements	BSC 197* (4)	BSC 196* (4) IC-Science
Non-core requirements	CHE 140 (4) IC-Science, MAT 120 (4) or MAT 145 (4)	CHE 141 (4), MAT 121 (4) or MAT 146 (4) MC-QR
General education requirements	ENG101 or Com110 (3)	ENG101 or Com110 (3)
	15 term total	15 term total
Second Year		
Major requirements	BSC 203 (3), BSC 204 (1)	BSC 201* (4), BSC 219 (3)
Non-core requirements	CHE220 (5)	
Sequence electives		
General education requirements	LAN111 Foreign Language (4) MC-ICL(3)	LAN 112 Foreign Language (4) MC- IS (3)
	16 term total	14 term total
Third Year		
Sequence electives	BSC Lab Elective* (4)	BSC Elective (3), BSC Elective (3)
Non-core requirements	PHY 108 (5)	
General education requirements	MC-UST (3) University Wide Elective (3)	OC-SS(3) OC-FA(3) OC-H(3) *(One of above should qualify for Global Studies designation)*
	15 term total	15 term total
Forth Year		
Major requirements		BSC 305 (3)
Sequence electives	BSC Lab Elective* (4), BSC Lab Elective* (4)	BSC Elective (3)
General education requirements	Senior College University Wide Elective (4) University Wide Elective (3)	MC-LH (3) University Wide Elective (3) Senior College University Wide Elective (3)
	15 term total	15 term total
		Total credits =120

7. Describe the expected curricular changes required, including new courses. If proposals for new courses have also been submitted, please reference those related proposals here:

We are revising one course which is currently offered in biology as BSC 297. This will be now be known as BSC 305 and will go from a 2 credit hour course to a 3 credit hour course. A proposal for this revision has been submitted. All required courses are currently being taught in the School of Biological Sciences.

8. Anticipated funding needs and source of funds.

See attached budget rationale.

9. **No** **Does this program count for teacher education?**

10. **No** **Is this an Interdisciplinary Studies program?**

11. **The following questions must be answered.**

Yes	Have you confirmed that Milner Library has sufficient resources for the proposed program?
No	Are more than 124 hours required to complete a degree with this major?
No	Beyond General Education, does the major require more than 76 semester hours?
No	Does this sequence (if in a major) require more than 55 semester hours of major courses?
No	Does this program stipulate specific general education courses offered in the major department/school as a part of the major requirements only if such courses serve as prerequisites for other courses required by the major?
No	Is the proposed program intended to be longer than four years (as indicated by the plan of study)?
N.A.	Have letter(s) of concurrence from affected departments/schools been obtained? *A departments/school is affected if it has a program with significant overlap or if it teaches a required or elective course in the program.*

12. Routing and action summary for New Program:

1. Biological Sciences Department Curriculum Committee Chair

Martha Cook (website)	Martha Cook	8/27/2012 9:32:25 AM
Signature	Print	Date

2. Biological Sciences Department Chair/School Director

Craig Gatto (website)	Craig Gatto	8/27/2012 10:07:13 AM
Signature	Print	Date

3. College of Arts & Science College Curriculum Committee Chair

Todd Stewart (website)	Todd Stewart	10/10/2012 4:07:56 PM
Signature	Print	Date

4. College of Arts & Science College Dean

Sally Parry (website)	Sally Parry	10/10/2012 4:31:51 PM
Signature	Print	Date

5. University Curriculum Committee Chair

Jean Standard (website)	Jean Standard	11/7/2012 2:59:26 PM
Signature	Print	Date

All new programs (majors, minors, sequences) are routed by the U.C.C. to the Academic Senate