

**CATALOG YEAR** 2006-2008  
(Please use separate form for each add/change)

COLLEGE/SCHOOL : College of Arts and Sciences \_\_\_\_\_

Current Catalog Page(s) Affected \_\_\_\_\_ 83 & 96 \_\_\_\_\_

**Program:** Add: \_\_\_\_\_ Change: X Attach new/changed Program of Study description and 4-year plan. If in current catalog, copy and paste the text from the and indicate changes in red.

**Bachelor of Arts with Major in Biology**

Justification

Changes:

Hours reduced by 1SCH by reducing the upper level hours from 46 to 45 SCH.

The advanced general elective (3 SCH) was dropped, and the advanced biology electives were raised from 22 to 24 SCH. Most biology courses are four hours so this represents 6, or an even number of courses.

The freshman/sophomore biology was changed to two out of the three instead of specifying which two.

Other changes were rearrangements of courses to balance the semester hours and removing the Chemistry minor as one suggested minor. Students may chose any minor. The description of the major was corrected as the SCH hours did not add up to the total indicated.

Reason the hours were not reduced to 120 SCH.

Additional cuts can only be in the freshmen and sophomore science courses. This courses are required as prerequisites for upper level courses, and for admission into graduate and professional science/health programs.

[Additional cuts will only reduce the quality of the degree, and the ability of the student to compete for graduate schools.](#)

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**Degree Requirements for the BA with a Major in Biology**

1. **Hours Required:** A minimum of ~~126~~ 125 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the [“Requirements for Graduation”](#) section of this catalog.

2. **University Core Curriculum:** 42 SCH as outlined in the suggested plans and as specified in the "[Requirements for Graduation](#)".
3. **Math:** 4 SCH, designated as MATH [2412](#).
4. **Major:** ~~27~~ 45 SCH: ~~and the 16~~ 4 SCH of BIOL [1406](#), and 8 SCH of BIOL [1411](#), [1413](#) ~~and or~~ [2421](#). Advanced requirements include 9 SCH of BIOL [3410](#), [3413](#), [4170](#) and ~~18~~ 24 SCH selected from BIOL [3403](#), [3404](#),[3406](#), [3407](#), [3412](#), [3414](#), [3416](#), [3451](#), [4170](#),[4402](#), [4404](#), [4408](#), [4409](#), [4420](#), [4425](#), [4440](#), [4441](#), [4173-4473](#), [4371-4471](#), ENSC [3310](#), [4170](#), [4173-4473](#), [4310](#) or [4430](#). BIOL [4173-4473](#) may be repeated for up to 8 SCH of credit within the degree program.
5. **Minor:** A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See [Appendix B](#).
6. **Supporting Sciences Curriculum:** 24 SCH including CHEM [1411](#), [1412](#), ([1411](#) and [1412](#) count towards the core), [2423](#), [2425](#), PHYS [1301/1101](#), and PHYS [1302/1102](#). ~~The hours for the minor electives are based on a chemistry minor. If another minor is chosen, other electives will need to be used to complete the 18-SCH minor which is defined as one discipline with at least twelve hours at the 3000-4000 level. See Appendix B for approved list of minors.~~
7. ~~Electives: 3 SCH at the 3000-4000 level.~~

## BACHELOR OF ARTS MAJOR IN BIOLOGY

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements** .

*\*See [Appendix A](#) Core Curriculum and Optional Course Information.*

| FALL                  |      |                               | HOURS     | SPRING                |                 |                               | HOURS     |
|-----------------------|------|-------------------------------|-----------|-----------------------|-----------------|-------------------------------|-----------|
| <b>FRESHMAN YEAR</b>  |      |                               |           | <b>FRESHMAN YEAR</b>  |                 |                               |           |
| BIOL                  | 1406 | Cell&Molecular Biology        | 4         | BIOL                  | <del>1411</del> | <del>General Botany</del>     | 4         |
|                       |      |                               |           |                       |                 | Biology Elective <sup>1</sup> |           |
| CHEM                  | 1411 | General Chemistry I           | 4         | CHEM                  | 1412            | General Chemistry II          | 4         |
| ENGL                  | 1301 | English Composition I         | 3         | ENGL                  | 1302            | English Composition II        | 3         |
| PSCI                  | 2305 | American National Govt        | 3         | MATH                  | 2412            | Pre-Calculus                  | 4         |
| <b>Total</b>          |      |                               | <b>14</b> |                       |                 |                               | <b>15</b> |
| <b>SOPHOMORE YEAR</b> |      |                               |           | <b>SOPHOMORE YEAR</b> |                 |                               |           |
| CHEM                  | 2423 | Organic Chemistry I           | 4         | CHEM                  | 2425            | Organic Chemistry II          | 4         |
| BIOL                  | 1413 | <del>General Zoology</del>    | 4         | MATH                  | 1342            | Introductory Statistics       | 3         |
|                       |      | Biology Elective <sup>1</sup> |           |                       |                 |                               |           |
| PHYS                  | 1301 | General Physics I             | 3         | PHYS                  | 1302            | General Physics II            | 3         |
| PHYS                  | 1101 | General Physics Lab           | 1         | PHYS                  | 1102            | General Physics Lab           | 1         |
| ENGL                  |      | Survey of Literature *        | 3         | ENGL                  | 2311            | Technical Writing             | 3         |
|                       |      |                               |           |                       |                 | Activity or Wellness *        | 1         |

**Total** **15** **15**

**JUNIOR YEAR**

BIOL           Advanced Biology Elec<sup>+2</sup> 4  
 BIOL           Advanced Biology Elec<sup>+2</sup> 4  
~~CHEM        Advanced Chemistry Elec<sup>2</sup> 4~~  
~~CHEM        Advanced Chemistry Elec<sup>2</sup> 3~~  
 PSCI    2306 American State Govt    3  
 HIST    1301 The U.S. to 1877           3  
           Minor Curriculum<sup>3</sup>           3  
**Total** **17**

**JUNIOR YEAR**

BIOL    3413 Intro to Genetics           4  
 BIOL    4170 Biology Seminar           1  
 BIOL    Advanced Biology Elec<sup>+2</sup>       4  
 BIOL    Advanced Biology Elec<sup>+2</sup>       2 4  
~~CHEM        Advanced Chem Elec<sup>2</sup> 4~~  
~~CHEM        Advanced Chem Elec<sup>2</sup> 3~~  
           Minor Curriculum<sup>3</sup>           3  
**Total** **16**

**SENIOR YEAR**

BIOL           Advanced Biology Elec<sup>+2</sup> 4  
~~CHEM        Advanced Chem Elec<sup>2</sup> 4~~  
           Visual/Performing Arts\* 3  
           Advanced Minor Curr<sup>3</sup>       3  
           Advanced Minor Curr<sup>3</sup>       3  
 HIST    1302 The U.S. Since 1877    3  
**Total** **16**

**SENIOR YEAR**

BIOL    3410 Ecology                   4  
 BIOL    Advanced Biology Elec<sup>+2</sup>       4  
~~Advanced General Elec 3~~  
~~Soc/Behavioral Science\*3~~  
~~Advanced Minor Curr<sup>3</sup> 3~~  
~~Advanced Minor Curr<sup>3</sup> 3~~  
**Total** **17**

**TOTAL SEMESTER CREDIT HOURS: ~~126~~ 125**

<sup>1</sup>Freshman/Sophomore Biology electives, select 8 SCH from BIOL 1411, 1413, or 2421

<sup>+2</sup>Advanced Biology electives, select ~~22~~ 24 SCH from BIOL 3403 ,3404 ,3406 ,3407 ,3412 ,3414 ,3416 ,3451 ,4170 ,4173-4473 ,4402 ,4404 ,4408 ,4409 ,4420 ,4425 ,4440 ,4441 ,4371 4471 ,ENSC 3310 , 3401 4170 ,4173-4473 ,4310 , or 4430. BIOL 4173-4473 may be repeated for up to 8 SCH for credit within the degree.

<sup>23</sup>~~The hours for the minor electives are based on a Chemistry minor. If another minor is chosen, other electives will need to be used to complete the 18 SCH minor which is defined as one discipline with at least twelve hours at the 3000-4000 level.~~ See Appendix B for approved list of minors.

| Approvals:                               | Signature | Date  |
|--|-----------|-------|
| Chair<br>Department Curriculum Committee | _____     | _____ |
| Chair<br>Department                      | _____     | _____ |
| Chair<br>College Curriculum Committee    | _____     | _____ |
| Dean                                     | _____     | _____ |