UNDERGRADUATE COUNCIL
Request for Change(s)

Originating unit requesting change

Biology

Type of Change requested:

☐ Course number(s)
☐ Course title
☐ Course description
☐ Course prerequisite(s)
☐ Drop course(s)
☐ Drop program(s)
☐ Program title
☐ Program description
☐ Program requirements

Semester and year change(s) take effect: Fall, 2010

Appropriate computer abbreviation if course title is more than 30 spaces:

Briefly summarize the change requested:
The requested changes clarify how many hours may be taken in research and teaching-assistant courses.

Catalog copy

Present catalog copy (paste-up from catalog is acceptable.

BA with a Major in Biology
The program of study requires a minimum of 27 semester hours of biology as follows: BIOL 10504 and 10514; BIOL 30403; BIOL 30603; BIOL 40021; 12 additional approved hours in biology, including a minimum of two courses with laboratories (excluding BIOL 40033, 40803, and 40900). Students who do not present credit for a high school course in chemistry will take one year of college chemistry. One year of high school or college physics is also advised.
A total of 124 semester hours is required for the BA degree.

Proposed change(s). (Include exact catalog copy as desired. Underline changes)

BA with a Major in Biology
The program of study requires a minimum of 27 semester hours of biology as follows: BIOL 10504 and 10514; BIOL 30403; BIOL 30603; BIOL 40021; 12 additional approved hours in biology, including a minimum of two courses with laboratories (excluding BIOL 40033, 40803, and 40900). Of the 12 additional hours, a maximum of three hours will be allowed for any combination of the following courses: BIOL 40033, 40300, 40310, 40803, 40900. Students without credit for a high school course in chemistry will take two semesters of college chemistry. One year of high school or two semesters of college physics is also advised.
A total of 124 semester hours is required for the BA degree.
1. What is the justification for the change(s) requested?
   We have been increasingly concerned that students can obtain a BA degree and yet not be exposed to much formal upper-level biology coursework. For example, it is currently possible to satisfy the 12 hours of upper-level biology electives by taking three hours of 40900, three hours of either 40803 or 40033 and three hours of 40300/40310. Thus, they would only need to take one-upper level lab course to complete the degree requirements as currently stated in the catalog. The proposed changes eliminate this.

2. If applicable, explain how the change(s) will affect the current program outcomes and assessment mechanisms.
   This change mandates the sort of exposure to upper-level biology courses that insures academic rigor.

3. **Faculty Resources:** How will the unit provide faculty support for this change and any other impact this change may have on other current departmental listings.
   No impact anticipated.

4. **Educational Resources:** Will this change require additional resources not currently available (e.g. space, equipment, library, other)?
   If yes, list additional resources needed.
   [ ] YES
   [x] NO

5. If this change affects other units of the University, include a statement signed by the chairperson(s) of the affected unit(s).

6. If cross-listed, provide evidence of approval by all curriculum committees appropriate to both the originating and cross-listed units.

[Signature]
Approval signature of chairperson of originating unit
UNDERGRADUATE COUNCIL
Request for Change(s)

Originating unit requesting change: Biology

Type of Change requested:

- [ ] Course number(s)
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- [ ] Drop course(s)
- [ ] Drop program(s)
- [ ] Program title
- [ ] Program description
- [ ] Program requirements

Semester and year change(s) take effect: Fall, 2010

Appropriate computer abbreviation if course title is more than 30 spaces:

Briefly summarize the change requested:
The requested changes clarify how many hours may be taken in research courses.

Catalog copy

Present catalog copy (paste-up from catalog is acceptable):

BS with a Major in Biology
The program of study requires a minimum of 36 semester hours in biology as follows: BIOL 10504 and BIOL 10514; BIOL 30403, BIOL 30603; BIOL 40021; 21 additional hours in biology, including a minimum of three courses with laboratories (one of which may be either BIOL 40033, 40803 or 40900.)
Associated Requirements: CHEM 10113, 10125 or 10123 and CHEM 20123, 30123, 30122 and 30133; PHYS 10154, 10164; MATH 10043 or 10524; additional courses in mathematics, computer science or statistics are encouraged.
A total of 132 hours is required for the BS degree.

Proposed change(s). (Include exact catalog copy as desired. Underline changes):

BS with a Major in Biology
The program of study requires a minimum of 36 semester hours in biology as follows: BIOL 10504 and BIOL 10514; BIOL 30403, BIOL 30603; BIOL 40021; 21 additional hours in biology, including a minimum of three courses with laboratories. A maximum of six hours in independent research courses (BIOL 40033, 40803 or 40900) is permitted within the 21 additional hours.
Associated Requirements: CHEM 10113, 10125 or 10123 and CHEM 20123, 30123, 30122 and 30133; PHYS 10154, 10164; MATH 10043 or 10524; additional courses in mathematics, computer science or statistics are encouraged.
A total of 132 hours is required for the BS degree.
1. What is the justification for the change(s) requested?
   We currently allow only three hours of independent research to be applied to the BS degree (either Biol. 40033, 40803, 40900). With the increased number of students performing research over multiple semesters and even multiple years, we feel six hours is a more appropriate maximum.

2. If applicable, explain how the change(s) will affect the current program outcomes and assessment mechanisms.
   No anticipated effects.

3. Faculty Resources: How will the unit provide faculty support for this change and any other impact this change may have on other current departmental listings.
   No impact anticipated.

4. Educational Resources: Will this change require additional resources not currently available (e.g. space, equipment, library, other)?
   If yes, list additional resources needed.
   ☑ NO

5. If this change affects other units of the University, include a statement signed by the chairperson(s) of the affected unit(s).

6. If cross-listed, provide evidence of approval by all curriculum committees appropriate to both the originating and cross-listed units.

[Signature]
Approval signature of chairperson of originating unit

Revised 09/04