

## DOCUMENTS OF THE GENERAL FACULTY


**PROPOSAL TO DELETE THE BACHELOR OF SCIENCE IN INTERDISCIPLINARY SCIENCE  
DEGREE PROGRAM IN THE COLLEGE OF NATURAL SCIENCES CHAPTER IN THE  
*UNDERGRADUATE CATALOG 2016-2018***

Dean Linda A. Hicke in the College of Natural Sciences has filed with the secretary of the Faculty Council the following proposal to delete the to BS in Interdisciplinary Science degree program in the College of Natural Sciences chapter in the *Undergraduate Catalog, 2016-2018*. On September 21, 2015, the faculty representatives from department approved the changes and on September 28, the college curriculum committee and the dean's designate approved the proposal. The secretary has classified this legislation as being of *general* interest to more than one college or school.

The Committee on Undergraduate Degree Program Review recommended approval of the deletion on October 18, 2015, and forwarded them to the Office of the General Faculty. The Faculty Council has the authority to approve this legislation on behalf of the General Faculty. The authority to grant final approval on this legislation resides with the Texas Higher Education Coordinating Board.

If no objection is filed with the Office of the General Faculty by the date specified below, the legislation will be held to have been approved by the Faculty Council. If an objection is filed within the prescribed period, the legislation will be presented to the Faculty Council at its next meeting. The objection, with reasons, must be signed by a member of the Faculty Council.

To be counted, a protest must be received in the Office of the General Faculty by December 11, 2015.



Hillary Hart, Secretary  
General Faculty and Faculty Council



**If 4 a, b, c, or d was answered with yes, please answer the following questions. If the proposal has potential budgetary impacts for another college/school, such as requiring new sections or a non-negligible increase in the number of seats offered, at least one contact must be at the college-level.**

How many students do you expect to be impacted?

Impacted schools must be contacted and their response(s) included:

Person communicated with:

Date of communication:

Response:

- e. Does this proposal involve changes to the core curriculum or other basic education requirements (42-hour core, signature courses, flags)? If yes, explain: No

**If yes, undergraduate studies must be informed of the proposed changes and their response included:**

Person communicated with:

Date of communication:

Response:

- f. Will this proposal change the number of hours required for degree completion? If yes, explain: No

## 5. COLLEGE/SCHOOL APPROVAL PROCESS

College approval date: November 5, 2014

Dean approval date: September 28, 2015, David Vanden Bout, Associate Dean

## PROPOSED NEW CATALOG TEXT:

### ~~BACHELOR OF SCIENCE IN INTERDISCIPLINARY SCIENCE~~

#### ~~Prescribed Work~~

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum. In addition, students seeking the Bachelor of Science in Interdisciplinary Science must complete the following degree level requirements. In some cases, courses that fulfill degree level requirements also meet the requirements of the core.~~

~~This degree is designed to fulfill the course requirements for certification in Texas as a middle grades teacher in the composite teaching field of mathematics/science. However, completion of the course requirements does not guarantee the student's certification. For information about additional certification requirements, students should consult the UTeach Natural Sciences academic adviser.~~

- ~~1. Two courses with a writing flag. One of these courses must be upper division.~~
- ~~2. One course with the following flag: quantitative reasoning.~~

~~Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

- ~~3. History 329U or Philosophy 329U.~~
- ~~4. Eighteen semester hours of professional development coursework consisting of:
 
  - ~~a. Curriculum and Instruction 650S~~
  - ~~b. Curriculum and Instruction 365C or UTeach Natural Sciences 350.~~
  - ~~e. Curriculum and Instruction 365D or UTeach Natural Sciences 355.~~
  - ~~d. Curriculum and Instruction 365E or UTeach Natural Sciences 360.~~
  - ~~e. UTeach Natural Sciences 101, 110 and 170.~~~~

## Major Requirements

### ***Middle Grades Teaching in Mathematics and Science***

5. Curriculum and Instruction 339E.
6. Educational Psychology 363M (Topic 3: *Adolescent Development*), or Psychology 301 and 304.
7. The following foundation courses:
  - a. Mathematics 408C and 408D, or 408N, 408S, and 408M; and Mathematics 315C, 427K, 333L, and 362K; students who plan to take physics courses to fulfill requirement 8 must also complete Mathematics 340L or 341.
  - b. Chemistry 301 or 301H, 302 or 302H, and 204.
  - c. Students who plan to use biology or geological sciences courses to fulfill requirement 7 must complete Physics 302K, 102M, 302L, and 102N or an equivalent sequence; those who plan to use chemistry or physics must complete Physics 301, 101L, 316, and 116L.
  - d. Computer Science 303E or the equivalent.
  - e. Biology 311C and Biology 311D and 206L or 208L.
  - f. Three semester hours of coursework in geological sciences.
  - g. Three semester hours of coursework in astronomy or marine science.
  - h. Biology 337 (Topic 2: *Research Methods: UTeach*), Chemistry 368 (Topic 1: *Research Methods: UTeach*), or Physics 341 (Topic 7: *Research Methods: UTeach*).
8. One of the following concentrations:
  - a. Mathematics: Twelve semester hours of coursework chosen from Mathematics 325K or Mathematics 328K, 341 or 340L, 358K; and either 360M or 375D (Topic: *Discovery: Introduction to Advanced Study in Mathematics*).
  - b. Biology: Twelve hours of coursework chosen from Biology 320, 325, 226L, Biology 326R, 370, 373, either 324 and 124L, or 322 and 122L, and Neuroscience 365R.
  - c. Chemistry: Twelve hours of coursework chosen from Chemistry 220C, 320M, 320N, 353, 455, and Biochemistry 369.
  - d. Geological sciences: Twelve hours of coursework chosen from Geological Sciences 404C or 405, 416K, 416M, 420K or 320L, and 335.
  - e. Physics: Twelve hours of coursework chosen from 315, 115L, 329, 333, 336K, 338K, 352K, 355, and 373.
9. Enough additional coursework to make a total of at least 126 semester hours.

### **Special Requirements**

Students must fulfill both the University's General Requirements for graduation and the college requirements. They must also earn a grade of at least C in the supporting course in requirement 2 and in each of the professional development courses listed in requirement 3, 4, and 5. More information about grades and the grade point average is given in *General Information*.

To graduate and be recommended for certification, students must have a University grade point average of at least 2.50 and must pass the final teaching portfolio review. Information about the portfolio review and additional teacher certification requirements is available from the UTeach Natural Sciences academic adviser.