

DOCUMENTS OF THE GENERAL FACULTY

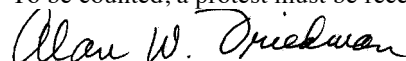
PROPOSED CHANGES TO THE BACHELOR OF SCIENCE IN BIOCHEMISTRY DEGREE PROGRAM IN THE COLLEGE OF NATURAL SCIENCES CHAPTER IN THE *UNDERGRADUATE CATALOG 2018-2020*

Dean Linda A. Hicke in the College of Natural Sciences has filed with the Secretary of the Faculty Council the following proposal to change the Bachelor of Science in Biochemistry degree program in the College of Natural Sciences chapter in the *Undergraduate Catalog, 2018-2020*. The Department of Biochemistry approved the proposal on March 31, 2017; it was approved by the Dean's Scholars Steering Committee on September 27, 2017; and by the Course and Curriculum Committee and Associate Dean David Vanden Bout, on behalf of Dean Hicke, on September 20, 2017. The Secretary has classified this proposal as legislation of general interest to more than one college or school.

The Committee on Undergraduate Degree Program Review recommended approval of the proposal on February 2, 2018, and forwarded it 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 Provost on behalf of the President.

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 March 15, 2018.



Alan W. Friedman, Secretary of the General Faculty and Faculty Council
The University of Texas at Austin

Arthur J. Thaman and Wilhelmina Doré Thaman Professor of English and Comparative Literature

Special Requirements

Standardize language regarding requirements to graduate with Dean's Scholars degree options.

Reason: Since the honors options were added at different times as new BS degrees were created, language began to differentiate between degrees. The Dean's Scholars steering committee voted to establish standard language for all of its options.

3. THIS PROPOSAL INVOLVES (Please check all that apply)

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Courses in other colleges | <input type="checkbox"/> Courses in proposer's college that are frequently taken by students in other colleges | <input type="checkbox"/> Flags |
| <input type="checkbox"/> Course in the core curriculum | <input checked="" type="checkbox"/> Change in course sequencing for an existing program | <input type="checkbox"/> Courses that have to be added to the inventory |
| <input type="checkbox"/> Change in admission requirements (external or internal) | <input type="checkbox"/> Requirements not explicit in the catalog language (e.g., lists of acceptable courses maintained by department office) | |

4. SCOPE OF PROPOSED CHANGE

- a. Does this proposal impact other colleges/schools? Yes No

If yes, then how would you do so?

The original legislation stated that Dean's Scholars must choose six hours from either the College of Liberal Arts (COLA) or the College of Fine Arts (COFA). In practice, students are allowed to count six hours from one of the colleges, or a mixture from the colleges. This change will eliminate the need for petitions in situations where students choose to take a mixture of COLA and COFA coursework. In a constant state, the Dean's Scholars Program has approximately 200 majors.

There is no way to predict how this change will impact the College of Fine Arts and the College of Liberal Arts. Specific courses are not prescribed and the change is to match catalog language to current advising practice. Making an estimate, perhaps ten seats per year distributed across all courses in both colleges may be impacted. Because the number of seats across both colleges is estimated to be so small, the College of Fine Arts and the College of Liberal Arts were not formally consulted for permission to make this change.

- b. Do you anticipate a net change in the number of students in your college? Yes No
If yes, how many more (or fewer) students do you expect?
- c. Do you anticipate a net increase (or decrease) in the number of students from outside of your college taking classes in your college? Yes No
If yes, please indicate the number of students and/or class seats involved.
- d. Do you anticipate a net increase (or decrease) in the number of students from your college taking courses in other colleges? Yes No
If yes, please indicate the number of students and/or class seats involved.

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? No.

Note: THECB Semester Credit Hour Change Form required, download from URL:

<http://www.thecb.state.tx.us/reports/DocFetch.cfm?DocID=2419&format=doc>

If yes, explain:

5. COLLEGE/SCHOOL APPROVAL PROCESS

Department approval date:	March 31, 2017	Karen Browning, Associate Chair
Dean's Scholars approval date:	May 10, 2017	Dean's Scholars Steering Committee
	September 27, 2017	Jeffrey Barrick, Biochemistry Honors Faculty Adviser
College approval date:	April 20, 2017	Course and Curriculum Committee
	September 20, 2017	
Dean approval date:	September 20, 2017	David Vanden Bout, Associate Dean for Undergraduate Education

PROPOSED NEW CATALOG TEXT:

BACHELOR OF SCIENCE IN BIOCHEMISTRY

{no change}

Prescribed Work Common to all Options

{no change}

Additional Prescribed Work for Each Option

Option I: Biochemistry

5. Mathematics 408C and 408D, or 408N, 408S, and 408M
6. Biostatistics: Statistics and Data Sciences 328M
7. One of the following sequences:
 - a. Physics 317K, 117M, 317L, and 117N (recommended);
 - b. Physics 303K, 103M, 303L, and 103N; or
 - c. Physics 301, 101L, 316, and 116L
8. The following chemistry courses:
 - a. General chemistry: Chemistry 301 or 301H, 302 or 302H, and 204 or 317
 - b. Organic chemistry: Chemistry 320M
 - c. Biochemistry: Biochemistry 339F and 369L, and ~~three~~ two additional courses chosen from Biochemistry 339J, 339M, ~~339N~~, and 370
 - d. Physical chemistry: Chemistry 353 or 353M
 - e. Analytical chemistry: Chemistry 455
9. One of the following sequences:
 - a. Biology 311C, 311D, and 325; or
 - b. Biology 315H and 325H
10. Biology 344
- ~~[40-]~~ 11. Completion of one of the following:

- a. ~~[4&]~~ Eighteen additional semester hours of upper-division biochemistry, biology, chemistry, and neuroscience; or
 - b. A transcript-recognized certificate or a transcript-recognized minor
- ~~[44-]~~ 12. Enough additional coursework to make a total of 120 semester hours

Option III: Biochemistry Honors

5. Breadth requirement: An honors mathematics course, Biology 315H and 325H, Chemistry 301H and 302H, and three additional semester hours of coursework chosen from honors courses in the college. Credit earned by examination may not be counted toward this requirement.
6. The following chemistry courses:
 - a. General chemistry: Chemistry 204 or 317
 - b. Organic chemistry: Chemistry 128K, 128L, 328M, and 328N; or 220C, 320M, and 320N
 - c. Biochemistry: Biochemistry 339F and 369L, and ~~three two~~ additional courses chosen from Biochemistry 339J, 339M, 339N, and 370
 - d. Physical chemistry: Chemistry 353 or 353M
 - e. Analytical chemistry: Chemistry 455
7. Biology 344
- ~~[6-]~~ 8. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors adviser
- ~~[7-]~~ 9. A section of Rhetoric and Writing 309S that is restricted to students in the Dean's Scholars Honors Program
- ~~[8-]~~ 10. Chemistry 379H or 379H and either a three-semester-hour upper-division research course approved by the departmental honors adviser or a second section of Chemistry 379H or Biochemistry 379H
- ~~[9-]~~ 11. ~~[24]~~ Twenty-four additional semester hours of coursework approved by the departmental honors adviser.
- ~~[10-]~~ 12. Six semester hours of coursework ~~[in]~~ from the College of Liberal Arts ~~[or]~~ and the College of Fine Arts.
- ~~[11-]~~ 13. Enough additional coursework to make a total of 120 semester hours.

Special Requirements

Students in all Options 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 each mathematics and science course required for the degree, and a University grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the *General Information Catalog*.

To graduate under Option III, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the departmental honors adviser, ~~[earn grades of at least A in the departmental research and thesis courses described in requirement 8 above,]~~ and ~~[must]~~ present their research in an approved public forum, such as the college's annual Undergraduate Research Forum. More information about the Undergraduate Research Forum is available at <https://cns.utexas.edu>. ~~[may be found on the College of Natural Sciences website.]~~

Order and Choice of Work

{no change}