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 2016-2018*

Dean Linda A. Hicke in the College of Natural Sciences has filed with the secretary of the Faculty Council the following changes to BS in Biochemistry in the College of Natural Sciences chapter in the *Undergraduate Catalog, 2016-2018*. On March 26, 2015, the faculty representatives from department approved the changes, and on April 8, the college curriculum committee approved them. On September 28, 2015, Associate Dean David Vanden Bout approved it on behalf of the dean. The secretary has classified this proposal as legislation of *exclusive* interest to a single college or school.

The Committee on Undergraduate Degree Program Review recommended approval of the changes 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 UT System.

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 4, 2015.

Hillary Hart, Secretary
General Faculty and Faculty Council

Posted on the Faculty Council website (http://www.utexas.edu/faculty/council/) on November 24, 2015.

PROPOSED CHANGES TO THE BACHELOR OF SCIENCE IN BIOCHEMISTRY DEGREE PROGRAM IN THE COLLEGE OF NATURAL SCIENCES CHAPTER IN THE *UNDERGRADUATE CATALOG 2016-2018*

Type of Change ☒ Academic Change
☐ Degree Program Change (THECB form required)

Proposed classification ☒ Exclusive ☐ General ☐ Major

1. IF THE ANSWER TO ANY OF THE FOLLOWING QUESTIONS IS YES, THE COLLEGE MUST CONSULT LINDA DICKENS, DIRECTOR OF ACCREDITATION AND ASSESSMENT, TO DETERMINE IF SACS-COC APPROVAL IS REQUIRED.

- Is this a new degree program? Yes ☐ No ☒
- Does the program offer courses that will be taught off campus? Yes ☐ No ☒
- Will courses in this program be delivered electronically? Yes ☐ No ☒

2. EXPLAIN CHANGE TO DEGREE PROGRAM AND GIVE A DETAILED RATIONALE FOR EACH INDIVIDUAL CHANGE:

1. All changes are to Option I: Biochemistry. Addition of M 408M to complete the three-part calculus sequence.
   Rationale: The faculty believe that a complete calculus sequence is good preparation for a career as a practicing biochemist.
2. Removal of BIO 328M.
   Rationale: Biostatistics is only offered under SDS 328M.
3. Reordering of physics sequences emphasizes the selection of PHY 317K, 117M, 317L, and 117N, the preferred sequence for students seeking the BS in Biochemistry.
   Rationale: Many students selected their physics sequence by choosing the first one in the list. The reordering will ensure that students with less thorough understanding of calculus do not end up taking a physics sequence requiring more complex calculus-based problems.
4. Remove the choice to complete eighteen hours in a field of study approved by the undergraduate adviser.
   Rationale: This choice caused confusion for students and advisors as to what an appropriate field of study might be. The faculty decided either a transcript-recognized certificate, or eighteen hours in additional BCH, BIO, CH, and NEU are sufficient.

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

☐ Courses in other colleges	☐ Courses in proposer's college that are frequently taken by students in other colleges	☐ Flags
☐ Course in the core curriculum	☐ Change in course sequencing for an existing program	☐ Courses that have to be added to the inventory
☐ Change in admission requirements (external or internal)	☒ 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?

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? If yes, explain: **No**

5. COLLEGE/SCHOOL APPROVAL PROCESS

Department approval date: March 26, 2015
College approval date: April 8, 2015
Dean approval date: September 28, 2015, David Vanden Bout, Associate Dean

PROPOSED NEW CATALOG TEXT:

BACHELOR OF SCIENCE IN BIOCHEMISTRY
[no changes]

Prescribed Work Common to all Options
[no changes]

Additional Prescribed Work for Each Option

Option I: Biochemistry

5. Mathematics 408C and 408D, or 408N, [~~and~~] 408S, and 408M.
6. Biostatistics: [~~Biology 328M or~~] Statistics and Data Sciences 328M.
7. One of the following sequences:
    a. [~~Physics 301, 101L, 316, and 116L;~~] Physics 317K, 117M, 317L, and 117N (recommended);
    b. Physics 303K, 103M, 303L, and 103N; or
    c. [~~317K, 117M, 317L, and 117N.~~] 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 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. Completion of one of the following:
   a. Eighteen additional semester hours of upper-division biochemistry, biology, chemistry, and neuroscience; or
   b. [~~Eighteen additional semester hours in a field of study approved by the undergraduate adviser; or~~] a transcript-recognized certificate.
   [c. ~~A transcript-recognized certificate.~~]
11. Enough additional coursework to make a total of 120 semester hours.

Option III: Biochemistry Honors
[no changes]

Special Requirements
[no changes]

Order and Choice of Work
[no changes]