PROPOSED CHANGES TO THE BS IN BIOLOGY, MOLECULAR BIO SCIENCES, IN THE COLLEGE OF NATURAL SCIENCES SECTION IN THE UNDERGRADUATE CATALOG 2018-2020

Type of Change1  ☒ Academic Change
☐ Degree Program Change (THECB2 form required)

Proposed classification3  ☒ 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 SACSCOC APPROVAL IS REQUIRED.
   - Is this a new degree program?  Yes ☐ No ☒
   - Is this program being deleted?  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:
   Option 5, Cell and Molecular Biology: Remove BIO 323L from list of approved labs.
   Reason: Department of Molecular Biosciences is unsure when course will be offered again. Students who might have taken BIO 323L will be absorbed into the other lab course options.

   Option 7, Plant Biology: When requirements were rewritten in the 2016-18 catalog, BIO 374, Plant Anatomy, was inverted as BIO 347, Biology and Genetics of Immune Disorders.
   Reason: Correcting error.

   Option 12, Genetics and Genomics:
   a. Add BIO 320, Cell Biology, to list of required biology courses.
   Reason: The inclusion of this course was omitted in error when the option was created for the 2016-18 catalog.

   b. Reduce from 12 to 9 hours of additional hours in upper-division biochemistry, biology, chemistry, mathematics, and statistics and data sciences.
   Reason: Reduction of additional science hours made to accommodate addition of BIO 320 in order to maintain the number of hours in the option and the number of elective hours students may take.

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  ☐
   - Course in the core curriculum  ☒
   - Change in course sequencing for an existing program  ☐
   - Change in admission requirements (external or internal)  ☐
   - Requirements not explicit in the catalog language (e.g., lists of acceptable courses maintained by department office)  ☐
   - Flags  ☐
   - Courses that have to be added to the inventory X Courses offered by home college.

4. SCOPE OF PROPOSED CHANGE
   a. Does this proposal impact other colleges/schools?  Yes ☐ No ☒
      If yes, then how would you do so?
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:
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?
Note: THECB Semester Credit Hour Change Form required, download from URL:
If yes, explain:

5. COLLEGE/SCHOOL APPROVAL PROCESS
Department approval date: Approved by whom:
College approval date: Approved by whom:
Dean approval date: Approved by whom:

PROPOSED NEW CATALOG TEXT:

Option IV: Microbiology and Infectious Diseases

5. Biochemistry 369 or 339F, and Chemistry 320M

7. Two upper-division biology laboratory courses chosen from: Biology 230L, 160L, and 361L. Biology 377-FRI/377/379H may be used for one of the laboratory courses if approved in advance by the microbiology faculty adviser.
8. 15 additional hours in upper-division biochemistry, biology, and chemistry
9. Enough additional coursework to make a total of 120 semester hours

Option V: Cell and Molecular Biology

5. Biochemistry 369 or 339F, and Chemistry 320M
6. Biology 320, 326R, 349, and 344 or 350M
7. Two laboratory courses chosen from: Biology 320L, 323L, 325L, 331L, 349L
8. One additional upper-division laboratory course in biology. Biology 377-FRI/377/379H may be used if approved in advance by the cell and molecular biology faculty adviser.
9. 18 additional hours in upper-division biochemistry, biology, and chemistry
10. Enough additional coursework to make a total of 120 semester hours

Option VII: Plant Biology

5. Biology 328, 373, and 322 and 122L, 324 and 124L, or 463L
6. Two additional upper-division laboratory courses; Biology 377-FRI/377/379H may be used for one of the laboratory courses if approved in advance by the plant biology faculty adviser.
7. One of the following sequences:
   2. Plant environmental biology: Biology 357, 347, 374, and 375
8. 18 additional hours in upper-division biochemistry, biology, chemistry, and marine science
9. Enough additional coursework to make a total of 120 semester hours

Option XII: Genetics and Genomics

5. Biochemistry 369 or 339F
6. Biology 320, 325T, 349, 344, and 325L
7. Chemistry 320M
8. Three hours from: Biochemistry 339N, Biology 321G, Statistics and Data Sciences 348
10. Biology 320L or 349L
11. 42 additional hours in upper-division biochemistry, biology, chemistry, mathematics, and statistics and data sciences
12. Enough additional coursework to make a total of 120 semester hours

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1 See https://facultycouncil.utexas.edu/degree-program-changes for detailed explanations.
2 Submit required Texas Higher Education Coordinating Board forms to the provost's office.
3 EXCLUSIVE: of exclusive application and of primary interest only to a single college or school ("no protest" period is seven calendar days); GENERAL: of general interest to more than one college or school (but not for submission to the General Faculty) ("no protest" period is fourteen calendar days); MAJOR: major legislation must be submitted to the General Faculty for adoption ("no protest" period is fourteen calendar days).