PROPOSED CHANGES TO THE BACHELOR OF ARTS, MAJOR IN COMPUTER SCIENCE, IN THE COLLEGE OF NATURAL SCIENCES SECTION IN THE UNDERGRADUATE CATALOG 2016-2018

Type of Change\(^1\) ☑ Academic Change
☐ Degree Program Change (THECB\(^2\) form required)

Proposed classification\(^1\) ☑ 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:
   All updates are for the minor requirement only.
   1. Add M 408S.
      Rationale: The Department of Statistics and Data Sciences plan to change the prerequisite of SDS 321 to M 408C or 408N and 408S.
      Rationale: M 341 and 362K cannot be added as degree requirements because the prerequisites consists of more calculus than is required for the BA CS major. Instead, they are noted as acceptable substitutes. M 341 is similar in spirit and content to 340L; 362K is similar in content and spirit to SDS 321. Students in the BS in Computer Science degree may currently count M 341 and 362K toward this requirement. This notation will allow students who have already completed M 341 or 362K to count the course(s) without filing a petition.
   3. Remove CS 312H from list of classes that may be taken by students who are not yet admitted to the Computer Science major. Clarify that enrollment in CS 312, 311 or 311H, and 314 or 314H is restricted to students admitted to the CS entry-level major.
      Rationale: CS 312H is removed because the course has never been developed and consequently will never be offered. The statement that CS 312, 311 or 311H, and 314 or 314H is open only to CS entry-level majors is added to reflect ongoing enrollment restrictions that are already in place.

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

Degree Program Impact Statement revised on 9/30/14 8:07 AM.
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)? No. 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? No. If yes, explain:

5. COLLEGE/SCHOOL APPROVAL PROCESS

Department approval date:
College approval date:
Dean approval date:

PROPOSED NEW CATALOG TEXT: 4

Computer Science

An undergraduate may not enroll in any computer science course more than once without written consent of an undergraduate adviser in computer science. No student may enroll in any computer science course more than twice. No student may take more than three upper-division computer science courses in a semester without written consent of an undergraduate adviser in computer science.

Major:

The following courses in computer science:

1. Theory: Computer Science 311 or 311H*, 331, or 331H*, and three additional hours from an approved list available in the department.
2. Programming: Computer Science 312 or 312H*, 314 or 314H*, and three additional hours from an approved list available in the department.
3. Systems: Computer Science 429 or 429H*, 439 or 439H*, and three additional hours from an approved list available in the department.
4. Twelve additional hours of upper-division courses in computer science.

Computer Science 370 may be counted toward the degree only once.
Minor for Computer Science Majors

Mathematics 408C or 408N and 408S, and 340L or Statistics and Data Sciences 329C, and 321. Mathematics 341 may substitute for 340L. Mathematics 362K may substitute for Statistics and Data Sciences 321.

Students must earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00.

With the exception of Enrollment in Computer Science 311 or 311H*, 312 or 312H*, and 314 or 314H*, is restricted to computer science entry-level majors. All other computer science courses that may be counted toward a degree in computer science are restricted to students who have been admitted to the computer science major or have the consent of the undergraduate faculty adviser.

* Computer science courses with numbers ending in H are intended for students pursuing the Bachelor of Science in computer science, option II, the Turing Scholars program, and option III, computer science honors. Students outside these options may enroll in these courses only with the special consent of the honors director.

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1 See http://www.utexas.edu/provost/planning/cat_change/UnderGrad.html for detailed explanations.
2 Texas Higher Education Coordinating Board.
3 Exclusive: of exclusive application and of primary interest only to a single college or school ("no protest" period is 5 working days); general: of general interest to more than one college or school (but not for submission to the General Faculty) ("no protest" period is 10 working days); major legislation must be submitted to the General Faculty for adoption ("no protest" period is 10 working days).
4 The proposed text should be based on the text of the current catalog available at http://www.utexas.edu/faculty/council/pages/catalog_chgs/catcopy.html.

Strike through and replace (with underlines) only the specific language to be changed. Do NOT use “track changes!” For questions on completing this section, please contact Victoria Cervantes, fc@austin.utexas.edu, 471-5936 or Brenda Schumann, brenda.schumann@austin.utexas.edu, 475-7654.