PROPOSED CHANGES TO THE BACHELOR OF SCIENCE IN ASTRONOMY DEGREE PROGRAM IN THE COLLEGE OF NATURAL SCIENCES SECTION IN THE UNDERGRADUATE CATALOG 2016-2018

Type of Change
☐ Academic Change
☐ Degree Program Change (THECB² 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:

Option I, req #7: Add M 427J as an alternate to M 427K.

Rationale: M 427J (differential equations and linear algebra) is a new course very similar in content to M 427K (differential equations).

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) X add an alternative math course to a degree requirement

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:
   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:

5. COLLEGE/SCHOOL APPROVAL PROCESS
   Department approval date: September 8, 2015
   College approval date: September 9, 2015
   Dean approval date: September 28, 2015, David Vanden Bout, Associate Dean

PROPOSED NEW CATALOG TEXT:

Bachelor of Science in Astronomy
[no changes]

Prescribed Work Common to all Options
[no changes]

Additional Prescribed Work for Each Option
[no changes]

Option I: Astronomy

   6. Six semester hours in biology, chemistry, computer science, and/or geological sciences. Chemistry 301 or 301H and the courses in the Elements of Computing Certificate Program may be counted toward this requirement; any other course to be counted must meet major requirements in the department that offers it.
   7. Mathematics 408C and 408D, or the equivalent; and 427J or 427K, 427L, and 340L.
   9. Twelve semester hours of upper-division coursework in astronomy, including Astronomy 352K, 353, and 358. Astronomy 351 is recommended.
   10. Nine additional semester hours of upper-division coursework in physics and/or astronomy.
   11. Enough additional coursework to make a total of 123 semester hours.

Option II: Astronomy Honors
[no changes]

Special Requirements
[no changes]

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1 See [http://www.utexas.edu/provost/planning/cat_change/UnderGrad.html](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.