

**DEGREE/PROGRAM CHANGE
FORM C
Form Number: C2925**

Fields marked with * are required

Name of Initiator: Annette Torres Initiator's Title Department Administrator A2 Email: anntorr@unm.edu Phone Number: 505 277-7959	Faculty Contact Abhaya Datye Administrative Contact Annette Torres Admin Email ANNTORR@UNM.EDU Admin Phone 277-7959	Department Chemical & Biological Engineering Branch n/a Date: 10-28-2021
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Associated Forms exist? Yes ▼

Proposed effective term

Semester Fall ▼ Year 2022 ▼

Course Information

Select Appropriate Program Undergraduate Degree Program ▼

Name of New or Existing Program Bachelor of Science in Chemical Engineering (B.S.Ch.E)

Select Category Major ▼ Degree Type BS

Select Action Revision ▼

Exact Title and Requirements as they should appear in the catalog. If there is a change, upload current and proposed requirements.

See current catalog for format within the respective college (upload a doc/pdf file)

[Form C for CBE - revised 10.28.21.docx](#)

☐ Does this change affect other departmental program/branch campuses? If yes, indicate below.

Reason(s) for Request (enter text below or upload a doc/pdf file)

CBE students typically take CBE 101, which is offered Fall Semesters, and then have a gap during the Spring Semester. The timing of 101 is set, as it is a chance to establish advising relationships and ensure students get onto their degree plans without wasting valuable time on courses they do not need. The department has, in the process of modifying various courses, also uncovered a critical gap in the spring semester. This is currently when students take courses like physics and calculus, and if they struggle, sometimes they misinterpret this to mean they do not belong in engineering, even though they achieve acceptable grades in these courses. Our analysis of historic data further suggests that while some switch majors, a higher percent leave the university. During the spring semester of their first year, it is critical that students who plan to pursue a degree in chemical engineering have closer connections to their peers and the faculty, paired with experiences to support them to see such struggle as a sign of a capable and hard worker. Further, as CBE 101 is a 1-credit course, the opportunities to expose students to the highly varied career paths is limited. Our past surveys show that our students start with equally diverse interests in biomedical engineering, environmental careers, materials engineering, and more traditional chemical engineering pathways. The additional 1-credit course will widen the scope of opportunities and faculty with whom they can interact and build relationships that support their success in the degree, in the university, and beyond

Upload a document that includes justification for the program, impact on long-range planning, detailed budget analysis and faculty workload implications. (upload a doc/pdf file)

☐ Are you proposing a new undergraduate degree or new undergraduate certificate? If yes, upload the following documents.

Upload a two-page Executive Summary authorized by Associate Provost. (upload a doc/pdf file)

Upload memo from Associate Provost authorizing go-ahead to full proposal. (upload a doc/pdf file)