

**DEGREE/PROGRAM CHANGE
FORM C
Form Number: C1857**

Fields marked with * are required

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Associated Forms exist? No Initiator's Title Associate professor
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Branch Admin Phone 272-8184

Proposed effective term

Semester Fall Year 2017

Course Information

Select Appropriate Program Undergraduate Degree Program
Name of New or Existing Program BA & BS Biochemistry
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)

[New Catalog entry.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)

The BIOC degree program has been experiencing huge increases in the number of students. 1) We are adding a Prereq of Gen Chem 2 and Bio 201 to get into Program to insure appropriate content and sequencing of content prior to entering the degree program. We are proposing the following changes to degree requirements for the following reasons: 1) We are removing Physics 262 as a requirement for the 160s sequence option. We have not required this course for several years but have not removed it until now. The reason for this change is that Physics 262 focuses on Special Relativity and Quantum theory which are highly specialized topics for the study of physics, but not appropriate for an understanding of modern biochemistry. The Physical Chemistry requirement that is in place (Chem 311/312 or 315) is most appropriate for biochemistry majors since this course covers relevant topics in physical properties of macromolecular structures and thermodynamics. 2) Because CHEM 131L/132L changed the coverage of quantitative analysis several years ago, the chemistry department removed the ability to bypass CHEM 253L in their degree sequence. We are following suit by requiring CHEM 253L regardless of which introductory sequence was completed. 3) BIOC 451 was previously a required course for the program, but in line with national accreditation standards (ASBMB), it is no longer considered to be necessary for all Biochemistry careers. In alignment with such standards (the UNM Biochemistry program was certified by ASBMB in 2015), BIOC 451 will be offered as an elective. BIOC 451 can be chosen as an elective by those students with an interest in graduate programs in structural biochemistry (for example), but will not be a required course for students more interested in using their Biochemistry degree for health-related professions (for example).

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)

