

UNIVERSITY CURRICULUM COMMITTEE

PROPOSAL FOR NEW ACADEMIC PLAN, PLAN CHANGE, OR PLAN DELETION

1. College CENS

2. Academic Unit Biological Sciences

3. Academic
Plan Name B.S. Biology

4. Subplan (if applicable)? _____

5. Effective Date FALL 2007

6. Is this proposal for a :
([Please refer to Plan and Subplan definitions](#))

☐ New Plan

XX ☒ Plan Change

☐ Plan Deletion

☐ New Subplan

☐ Subplan Change

☐ Subplan Deletion

7.

For Plan Changes, place the existing catalog text in this column. Please copy and paste the text directly from the *current* on line academic catalog:

(<http://www4.nau.edu/aio/AcademicCatalog/academiccatalogs.htm>)

Be sure you include all catalog text that pertains to this plan change

MAJOR CORE REQUIREMENTS

For this major, complete at least the following 32-48 units of biology and science support courses.

- BIO 181:181L and 182 with a grade of C or better (8 units)
- CHM 130 and 151L (5 units)
or CHM 151, 151L, 152, and 152L (9 units)
- CHM 230 and 230L (4 units)
or CHM 235, 235L, and 238 (8 units)
- CHM 360 or 461 (3 units)
- MAT 125 plus STA 270 or PSY 230 (7-8 units)

or only MAT 136 (4 units)

- PHY 111, 111L, 112, and 112L (8 units)
or PHY 161, 161L, 262, 262L, and 263 (11 units)

For New Plans, leave this column blank.

Show the proposed changes in this column. Please BOLD the changes, to differentiate from what is not changing.

(Describe the changed requirements under headings that match those used in the left column. Please be aware that if the units are not totaled correctly, the catalog editor will adjust them accordingly.)

MAJOR CORE REQUIREMENTS

For this major, complete at least the following 32-48 units of biology and science support courses.

- BIO 181:181L and 182 with a grade of C or better (8 units)
- CHM 130 and 151L (5 units)
or CHM 151, 151L, 152, and 152L (9 units)
- CHM 230 and 230L (4 units)
or CHM 235 and 235L (5 units), or
CHM 235, 235L and 238 (8 units)
- CHM 360 or 461 (3 units)
- MAT 125 plus STA 270 or PSY 230 (7-8 units)

or only MAT 136 (4 units)

- PHY 111, 111L, 112, and 112L (8 units)
or PHY 161, 161L, 262, 262L, ***(8 units), PHY 263 is strongly***

recommended

8. For undergraduate plans, will this requirement be a student individualized plan*? X ☐ no ☐ yes

*A *Student Individualized Plan* is an academic requirement that varies by student, such as the 15-unit BAiLS focus, for which coursework requirements are established by the student in consultation with the advisor.

If yes, the academic unit listed at the top of this form hereby takes responsibility for providing complete information about each student's individual requirements for the degree audit system.

9. For undergraduate plans, will a milestone** be used to:

- ☐ a. verify satisfactory completion of a non course requirement.
☐ b. indicate admission to a major.
X ☐ c. will not be used.

**A *Milestone* is used to record noncourse requirements, such as the HRM 800-hour work experience requirement or admission to Business Major status.

If yes, the academic unit listed at the top of this form hereby takes responsibility for maintaining the milestone and keeping individual student records up to date.

10. Please list the Learning Outcomes of the Plan/Subplan (see degree major assessment webpage - <http://www4.nau.edu/assessment/main/degree/degree.htm>).

11. Justification for proposal. Please indicate how past assessments of student learning prompted proposed changes.

These two plan changes bring in to line our requirements with substitutions and waivers that have been routinely granted through the years. We frequently allow CHM 235 to substitute for CHM 230 and allow students who have taken two semesters of the three semester college physics sequence to waive the third semester. These changes are being requested to formalize these waivers so that LOUIS will accept them without each having to be processed by hand.

12. If this academic plan/subplan will require additional faculty, space, or equipment, how will these requirements be satisfied?

NA

13. Will this academic plan/subplan affect other majors, liberal studies course offerings, plans/subplans, curricula, or enrollment at NAU?

If so, attach supporting documentation from the affected departments/units and college dean.

YES

14. Will present library holdings support this academic plan/subplan?

YES

Certifications

Department Chair/ Unit Head (if appropriate)	Date
--	------

Chair of college curriculum committee	Date
---------------------------------------	------

Dean of college	Date
-----------------	------

For committee use only

For University Curriculum Committee	Date
-------------------------------------	------

Action taken: _____ approved as submitted _____ approved as modified

Note: Submit original to associate provost's office. That office will provide copies to the college dean, department chair, and Academic Information Office after approval.