

ATTACHMENT II

ADD, CHANGE OR DELETE UNIT, PROGRAM REQUIREMENTS, OR ACADEMIC POLICIES

Complete this form consistent with the instructions in Academic Policy 1622.20. Use the form to add, change, or delete a program or unit or to change program policies. Proposed additions and changes must be consistent with Academic Policies 1100.40 and 1621.10 and any other policies which apply.

SECTION I: Approvals

Department / Program Chair _____	Date Submitted _____	Graduate Council Chair _____	Date _____
College Dean _____	Date _____	Faculty Senate Chair _____	Date _____
Honors College Dean _____	Date _____	Provost _____	Date _____
Core Curriculum Committee _____	Date _____	Board of Trustees Approval/Notification Date _____	
University Course and Programs Committee _____	Date _____	Arkansas Higher Education Coordinating Board Approval/Notification Date _____	
Vice Provost for Distance Education _____ (for on-line programs)	Date _____		

SECTION II: Profile Data - Required Information and Name Change Information

Academic Unit: Major/Field of Study Minor Other Unit BioChemistry Option Policy
 Level: Undergraduate Graduate Law Effective Catalog Year _____

Program changes are effective with the next available catalog. See Academic Policy Series 1622.20

Current Name Chemistry, BS (Biochemistry Option)

College, School, Division ARSC Department Code CHBC

Current Code (6 digit Alpha) CHEMBS Proposed Code (6 digit Alpha) _____
 Prior approval from the Office of the Registrar is required.

Interdisciplinary Program CIP Code 40.0501
 Prior assignment from Office of Institutional Research is required.

Proposed Name _____
 When a program name is changed, enrollment of current students reflects the new name.

SECTION III: Add a New Program/Unit

For new program proposals, complete Sections II and VII and use as a cover sheet for a full program proposal as described in 'Criteria and Procedures for Preparing Proposals for New Programs in Arkansas.' ADHE
<http://www.adhe.edu/divisions/academicaffairs/Pages/academicaffairs.aspx>

Program proposal uses courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____

SECTION IV: Eliminate an Existing Program/Unit

Code/Name _____ Effective Catalog Year _____

No new students admitted to program after Term: ____ Year: _____

Allow students in program to complete under this program until Term: ____ Year: _____

SECTION V: Proposed Changes to an Existing Program or Program Policies

Insert here a statement of the exact changes to be made: The proposed changes are to allow BS Biochemistry majors to take either CHEM 4213/4211L, CHEM 4123 OR CHEM 4313 (New course proposed - Bioanalytical Chemistry).

Check if either of these boxes apply and provide the necessary signature:

- Program change proposal adds courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____
- Program change proposal deletes courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____

Check all the boxes that apply and complete the required sections of the form:

- Change of Name and Code (Complete only sections I, II, V and VII.)
- Change Course Requirements: (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change in Program Policies

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

The proposed change gives an additional option to our Biochemistry majors to take as part of their program. Currently, they have to take either CHEM 4213 and lab, Instrumental Analysis OR CHEM 4123, Inorganic Chemistry. The new proposed course that is making its way through the faculty approval process, CHEM 4313, Bioanalytical Chemistry, adds an additional option for the students with respect to taking an advanced course in analytical chemistry. This offering is consistent with new guidelines from the American Chemical Society's (ACS), Committee on Professional Training (CPT), allowing departments the freedom to design advanced courses to meet the needs or interests of their majors. Thus, from the perspective of the ACS CPT, Instrumental Analysis and Bioanalytical Chemistry both serve the requirement for an advanced course in Analytical Chemistry. Since many of our Biochemistry majors go on to professional school (med school or pharmacy school), this is a highly relevant course for their future studies.

SECTION VII: Catalog Text and Format

In the box below, insert the current catalog text which is to be changed, with changes highlighted with the color yellow. Include all proposed changes identified in Section V. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate. If you are proposing a new program, give proposed text with all of the elements listed below. If you are proposing modified text, include these elements as appropriate.

Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.
- State eight-semester plan requirements

For minors, state requirements in terms of hours, required courses, electives, etc.

For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.

For Law School program/units, prepare text consistent with current catalog style.

For centers, prepare text consistent with current catalog style.

Requirements for a B.S. degree with a Major in Chemistry, Biochemistry Option: In addition to the university/state core requirements (see page 41) and the Fulbright College of Arts and Sciences Graduation Requirements (see page 130 under College Academic Regulations and Degree Completion Policy), the following course requirements must be met. Bolded courses from the list below may be applied to portions of the University/state minimum core requirements.

A Minimum of 38 Semester Hours in Chemistry including:

One of the following sequences of courses: 8

[CHEM 1213](#)
& [CHEM 1211L](#) Chemistry for Majors I (ACTS Equivalency = CHEM 1414 Lecture) (Fa)
and Chemistry for Majors I Laboratory (ACTS Equivalency = CHEM 1414 Lab) (Fa)

and
[CHEM 1223](#)
& [CHEM 1221L](#) Chemistry for Majors II (ACTS Equivalency = CHEM 1424 Lecture) (Sp)
and Chemistry for Majors II Laboratory (ACTS Equivalency = CHEM 1424 Lab) (Sp)

or
[CHEM 1103](#)
& [CHEM 1101L](#) University Chemistry I (Su, Fa)
and University of Chemistry I Laboratory (Sp, Su, Fa)

and
[CHEM 1123](#)
& [CHEM 1121L](#) University Chemistry II (ACTS Equivalency = CHEM 1004 Lecture) (Sp, Su, Fa)
and University Chemistry II Laboratory (ACTS Equivalency = CHEM 1004 Lab) (Sp, Su, Fa)

[CHEM 2263](#)
& [CHEM 2261L](#) Analytical Chemistry Lecture (Sp, Fa) 4
and Analytical Chemistry Laboratory (Sp, Fa) 4 - 10

Select from the following:

[CHEM 3504](#) Physical Chemistry I (Fa)

and
[CHEM 3514](#)
& [CHEM 3512L](#) Physical Chemistry II (Sp)
and Physical Chemistry Laboratory (Sp)

or
[CHEM 3453](#)
& [CHEM 3451L](#) Elements of Physical Chemistry (Fa)
and Elements of Physical Chemistry Laboratory (Fa)

[CHEM 3703](#)
& [CHEM 3702L](#) Organic Chemistry I Lecture for Majors (Fa) 5
and Organic Chemistry I Lab for Majors (Fa)

[CHEM 3713](#)
& [CHEM 3712L](#) Organic Chemistry II Lecture for Majors (Sp) 5
and Organic Chemistry II Lab for Majors (Sp)

Either 3
[CHEM 4853](#) Biochemical Techniques (Sp)

Or completion of a senior thesis based on independent research wherein at least 1 credit hour is earned in [CHEM 400V](#) (chemistry research) and/or [CHEM 498V](#) (senior thesis) during each of 3 different semesters.

One of the following sequences: 6

[CHEM 5813](#) and [CHEM 5843](#)
[CHEM 4813H](#) and [CHEM 4843H](#)
[CHEM 3813](#) and [CHEM 4723](#)

[CHEM 4213](#)
& [CHEM 4211L](#) Instrumental Analysis (Sp) 3-4
and Instrumental Analysis Laboratory (Sp)

or [CHEM 4123](#) Advanced Inorganic Chemistry I (Fa)

[Or CHEM 4313](#) [Bioanalytical Chemistry \(Fa\)](#)

...
[all else remains unchanged]

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Chemistry B.S. with Biochemistry Option

8-sem plan remains unchanged. The 8-semester plan indicates that CHEM 4213/4211L Instrumental Analysis/Lab is to be taken in the spring term of the 3rd year, and CHEM 4313, Bioanalytical Chemistry, is a fall term course.

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____ SUBJ _____ CIP _____ CRTS _____
DGRE _____ PGCT _____ OFFC&CRTY VALID _____

REPORTING CODES

PROG. DEF. _____ REQ. DEF. _____
Initials _____ Date _____

Distribution

Notification to:
(1) College (2) Department (3) Admissions (4) Institutional Research (5) Continuing Education (6) Graduate School
(7) Treasurer (8) Undergraduate Program Committee

8/19/13

