

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	

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

Academic Unit: Major/Field of Study Minor Other Unit ARSC Policy
 Level: Undergraduate Graduate Law Effective Catalog Year 2013-2014

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

Current Name Chemistry, Bachelor of Arts

College, School, Division ARSC

Department Code CHBC

Current Code (6 digit Alpha) CHEMBA

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/aa_academicproposals.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 total number of degree credit hours is being reduced from 124 to 120. Any references to "124" within the Chemistry major's catalog text are being changed to 120.

Four hours of electives are being removed from the regular Chemistry, BA major 8-semester plan.

A total of 6 credit hours are being removed from the Chemistry, BA Biochemistry option to bring it down to 120.

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 overall reduction in hours from 124 to 120 is needed to comply with state-wide mandate, Act 747.

The biochemistry option, although the original total indicated 124 hours, actually had 126 total hours listed. Six hours of electives were removed to bring the 8-semester plan down to 120 hours.

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.A. degree with a Major in Chemistry: 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.
Completion of a world language course at the 2003 Intermediate I level (This is usually accomplished through completion of a sequence of two world

language courses: 1013 and 2003. Please note: 1003 usually will not count towards the [124-120](#) hours required for degree credit; see College Admission Requirements on page 130 for further details.), **CHEM 1213/1211L**, **CHEM 1223/1221L**, (or **CHEM 1103/1101L**, **CHEM 1123/1121L**), CHEM 2263, CHEM 2261L, and 18 additional semester hours in chemistry to include CHEM 3703/3702L and 3713/3712L or CHEM 3603/3601L and 3613/3611L, and either CHEM 3453/3451L, or the combination CHEM 3504 and CHEM 3514/3512L and two additional lecture courses numbered above 3000. **PHYS 2033/2031L** and **MATH 2554** or **MATH 2043** are prerequisites for CHEM 3453, and **PHYS 2074** and **MATH 2574** are

prerequisites for the alternate physical chemistry course sequence CHEM 3504 and CHEM 3514/3512L. These physics and mathematics prerequisite requirements are substantial, and these courses and their prerequisites should be scheduled early in the student's program. Sample schedules may be obtained from the department of chemistry and biochemistry. Prospective students should consult a departmental adviser.

Chemistry B.A.

Eight-Semester Degree Program

Students wishing to follow the eight-semester degree plan should see page 41 in the Academic Regulations chapter for university requirements of the program. Core requirement hours may vary by individual, based on placement and previous credit granted. Once all core requirements are met, students may substitute a three-hour (or more) general elective in place of a core area.

Fall Semester Year 1

3 ENGL 1013 Composition I

3-4 MATH 1203 (if required) or †MATH 2043 or †MATH 2554 (as advised)*

4 CHEM 1213/1211L Chemistry for Majors I or CHEM 1103/1101L University Chemistry I

3 Elementary II world language course numbered 1013**

3 University/state core US history requirement

16-17 Semester Hours

Spring Semester Year 1

3 ENGL 1023 Composition II

3-4 †MATH 2043 Survey of Calculus or MATH 2554 Calculus I* (as needed) or Elective

3 CHEM 1223/1221L Chemistry for Majors II or CHEM 1123/1121L University Chemistry II

3 Intermediate I world language course numbered 2003

3 University/state core social science requirement

15-16 Semester Hours

Fall Semester Year 2

4-5 †CHEM 3703/3702L Organic I for Majors or †CHEM 3603/3601L Organic I

4 †PHYS 2013/2011L College Physics I

3 University/state core fine arts or humanities requirement

3 University/state core social science requirement

3 General Elective

17-18 Semester Hours

Spring Semester Year 2

4-5 †CHEM 3713/3712L Organic II for Majors or †CHEM 3613/3611L Organic II

4 †PHYS 2023/2021L College Physics II

3 University/state core humanities or fine arts requirement (as needed)

3 University/state core social science requirement

3 General Elective

17-18-14-15 Semester Hours

Fall Semester Year 3

3 †CHEM 2263 Analytical Lecture

4 †CHEM 3453/3451L Elements of Physical CHEM

9 General Electives

16 Semester Hours

Spring Semester Year 3

16 General Electives

16 Semester Hours

Fall Semester Year 4

3 †CHEM 3813 Introduction to Biochemistry or †CHEM 4813H Biochemistry I

1 †CHEM 2261L Analytical Lab

3 †Upper Level Fulbright College Elective

7 General Elective

14 Semester Hours

Spring Semester Year 4

3 †CHEM 4853 Biochemical Techniques

3 †CHEM 4843H or †CHEM 3113 Intermediate Inorganic Chemistry or †CHEM 4043 Environmental Chemistry

9 General Electives

15-12 Semester Hours

124-120 Total Hours

† Meets 40-hour advanced credit hour requirement. See College Academic Regulations on page 131 of this chapter

‡ Meets 24-hour rule (24 hours of 3000-4000 level courses in Fulbright College), in addition to meeting the 40-hour rule. See College Academic Regulations on page 131 of this chapter.

* Depending on placement; MATH 2043 Survey of Calculus is another option for this degree. Student may also choose to take MATH 1284C Precalculus in Fall Semester 1 and MATH 2554 Calculus in Spring Semester 1. Another option is to complete MATH 1203 in Fall Semester 1 and MATH 2043 Survey of Calculus in Spring Semester 1.

** This is usually accomplished through completion of a sequence of two world language courses: 1013 and 2003. (Please note: 1003 usually will not count towards the [124-120](#) hours required for degree credit; see College Admission Requirements on page 130 for further details.)

Requirements for a B.A. 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 32 semester hours in chemistry including **CHEM 1213/1211L**, **CHEM 1223/1221L**, (or **CHEM 1103/1101L**, **CHEM 1123/1121L**), **CHEM 2263**, **CHEM 2261L**, either **CHEM 3453/3451L** or **CHEM 3504** and **CHEM 3514/3512L**, either **CHEM 3603/3601L** and **3613/3611L** or **CHEM 3703/3702L** and **3713/3712L**, **CHEM 4853** 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, and either **CHEM 5813-5843** (same as **CHEM 4813H-4843H**) or **CHEM 3813** and **4213/4211L** or **CHEM 3813** and **4123** or **CHEM 3813** and **4723**.

Also required are: **MATH 2554** or **MATH 2043**, **PHYS 2013/2011L** and **2033/2031L** or **PHYS 2054-2074**, 11 hours from the biological sciences (at least 3 hours of which must be upper-level courses), and completion of a world language course at the 2003 Intermediate I level. (This is usually accomplished through completion of a sequence of two world language courses: 1013 and 2003. Please note: 1003 usually will not count toward the [124-120](#) hours required for degree credit; see College Admission Requirements on page 130 for further details.) The mathematics and physics courses are prerequisites for some advanced courses and should be scheduled early in the student's program.

Chemistry B.A. with Biochemistry Option Eight-Semester Degree Program

Students wishing to follow the eight-semester degree plan should see page 41 in the Academic Regulations chapter for university requirements of the program. The following eight-semester plan refers to additional B.A. Core requirement hours may vary by individual, based on placement and previous credit granted. Once all core requirements are met, students may substitute a three-hour (or more) general elective in place of a core area.

Fall Semester Year 1

3 ENGL 1013 Composition I
3-4 †MATH 2554 Calculus I or other mathematics course as advised for major*
4 CHEM 1213/1211L Chem for Majors I or 1103/1101L University Chem I
3 Elementary II world language course numbered 1013
3 University/state core US history requirement

16-17 Semester Hours

Spring Semester Year 1

3 ENGL 1023 Composition II
3-4 †MATH 2564 Calculus II*
4 CHEM 1223/1221L Chem for Majors II or 1123/1121L University Chem II
3 Intermediate I world language course numbered 2003
3 University/state core social science requirement

16-17 Semester Hours

Fall Semester Year 2

4 BIOL 1543/1541L Principles of Biology
4 †PHYS 2054/2050L University Physics I or †PHYS 2013/2011L College Physics I
3 †Advanced Elective
3 University/state core fine arts or humanities requirement
3 University/state core social science requirement

17 Semester Hours

Spring Semester Year 2

4 †CHEM 2263/2261L Analytical Chemistry and lab
4 †PHYS 2074 University Physics II or †PHYS 2033/2031L College Physics II
3 Biology Elective
3 University/state core humanities or fine arts requirement (as needed)
3 University/state core social science requirement

17 Semester Hours

Fall Semester Year 3

5 †CHEM 3703/3702L Organic Chem I for Majors
4 †CHEM 3453/3451L Elements of Physical Chem or CHEM 3504 Physical Chem
3 General Electives
4 †Upper Level Biology Elective

16 Semester Hours

Spring Semester Year 3

5 †CHEM 3713/3712L Organic Chem II for Majors
6 †CHEM 3514/3512L Physical Chem II or †CHEM Elective 3000-4000 Level
3 General Elective

14 Semester Hours

Fall Semester Year 4

3 †CHEM 3813 Introduction to Biochemistry or †CHEM 4813H
3 †CHEM 4123 Advanced Inorganic Chem I
[9-6](#) General Electives

15-12 Semester Hours

Spring Semester Year 4

3 †CHEM 4853 Biochemical Techniques
3 †CHEM 4843H or †3113 Intermediate Inorganic Chem or †4043
Environmental Chem
[9-6](#) General Electives

15-12 Semester Hours

124-120 Total Hours

† Meets 40-hour advanced credit hour requirement. See College Academic Regulations on page 131 of this chapter

‡ Meets 24-hour rule (24 hours of 3000-4000 level courses in Fulbright College), in addition to meeting the 40-hour rule. See College Academic Regulations on page 131 of this chapter.

* Depending on placement; MATH 2043 Survey of Calculus is another option.

Student may also choose to take MATH 1284C Precalculus in Fall Semester

Year 1 and MATH 2554 Calculus in Spring Semester Year 1. Another option is to complete MATH 1203 in Fall Semester 1 and MATH 2043 Survey of Calculus in Spring Semester Year 1.

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

5/12/08