Catalog year: 2020

Fulbright College Advising Center
CHPN 322
479.575.3307
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UNIVERSITY OF ARKANSAS

J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES

MAJOR REQUIREMENTS for a BACHELOR OF ARTS in CHEMISTRY (BIOCHEMISTRY)

MINIMUM DEGREE CREDIT HOURS REQUIRED TO GRADUATE = **120** (CORE + MAJOR + GENERAL ELECTIVES)

Please visit catalog.uark.edu for an extensive list of graduation and prerequisite requirements.

Department of Chemistry and Biochemistry
101 CHEM
479.575.4601
chemistry.uark.edu

WORLD LANGUAGE up to the Intermediate I (2003) level or higher (hours vary)

❑ _____ (2003)

MATHEMATICS (1 course • 3-4 hours)

❑ MATH 2043 Survey of Calculus
or
❑ MATH 2554 Calculus I

PHYSICS (2 courses • 8 hours)

❑ PHYS 2013/2011L College Physics I
❑ PHYS 2033/2031L College Physics II
or
❑ PHYS 2054 University Physics I
❑ PHYS 2074 University Physics II

Note: *These mathematics and physics prerequisite requirements are substantial, and these courses and their prerequisites should be scheduled early in the student's program.*

BIOLOGY (4 courses • 11 hours minimum with at least 3 hours numbered 3000 or higher)

❑ BIOL _____

❑ BIOL _____

❑ BIOL _____

❑ BIOL _____

CHEMISTRY WRITING REQUIREMENT

❑ Satisfied by the formal research/analytical reports required in Physical Chemistry Laboratory —CHEM 3451L or CHEM 3512L —or by completing an honors thesis.

CHEMISTRY (33 hours minimum)

❑ CHEM 1203/1201L Chemistry for Majors I
❑ CHEM 1223/1221L Chemistry for Majors II
or
❑ CHEM 1103/1101L University Chemistry I
❑ CHEM 1123/1121L University Chemistry II

❑ CHEM 2263/2261L Analytical Chemistry

❑ CHEM 3703/3702L Organic Chemistry for Majors I
❑ CHEM 3713/3712L Organic Chemistry for Majors II
or
❑ CHEM 3603/3601L Organic Chemistry I
❑ CHEM 3613/3611L Oganic Chemistry II

❑ CHEM 3453/3451L Elements of Physical Chemistry *(fall only)*
(pre-requisite: CHEM 2263/2261L)
or
❑ CHEM 3504 Physical Chemistry I *(fall only)*
(pre or co-requisite: MATH 2564; pre-requsite: CHEM 2263/2261L & PHYS 2074)
❑ CHEM 3514/3512L Physical Chemistry II *(spring only)*
(pre-requisite: CHEM 3504)

❑ CHEM 4813H Honors Biochemistry I
❑ CHEM 4843H Honors Biochemistry II
or
❑ CHEM 3813 MFNFOUTPG Biochemistry
❑ CHEM 4213/4211L Instrumental Analysis *(spring only)*
(pre-requisite: CHEM 2263/2261L & CHEM 3613/3611L)
or
❑ CHEM 3813 Intro to Biochemistry
❑ CHEM 4123 Advanced Inorganic Chemistry I *(fall only)*
(pre-requisite: CHEM 3453)
or
❑ CHEM 3813 Intro to Biochemistry
❑ CHEM 4723 Experimental Methods in Organic Chemistry *(fall only)*
(pre-requisite: CHEM 3613/3611L)

❑ CHEM 4853 Biochemical Techniques *(spring only)*
(pre or co-requisite: CHEM 3813 or CHEM 4843H)
or
❑ Completion of a senior thesis based on independent research wherein at least one credit hour is earned in CHEM 400V (chemistry research) and/or CHEM 498V (senior thesis) during each of three different semesters.

Note: Anytime a "for majors" course option is completed, it will suffice to complete the "not for majors" pre-requisite listed above.