

Department of Chemistry and Biochemistry | Fall 2013-14
322 Coulter Hall, University, MS 38677 | (662) 915-7301
<http://www.olemiss.edu/depts/chemistry/>

B.A. in Chemistry

Minimum Total Credit Hours for Degree: 124

DESCRIPTION

The B.A. in chemistry is designed for students who wish to pursue a degree in the physical sciences with a broad liberal arts background. Some students use this degree program to prepare for admission to pharmacy school or as the basis for studies in environmental law. Students interested in teaching chemistry at the high school level may use this degree to prepare for alternate route teacher certification by following a specified curriculum with a minor in either biology, mathematics, or physics.

GENERAL EDUCATION REQUIREMENTS

The general education courses that the college requires for all B.A. degree programs are listed below. Details of the requirements are described following the table. This B.A. required curriculum includes all university core courses. CLEP and/or AP credit can be used toward fulfilling these requirements. Students should note that some majors and minors require specific courses within the following categories.

Course Area	Hours	To be selected from:
English Composition	6	Writ 101 and Writ 102 or Liba 102
English literature survey	6	Engl 221, 222, 223, 224, 225, and 226
Modern or ancient language	6 to 12	To include 6 hours at the 200 level in a single language
Science (from two different departments)	9 to 11	From the departments of Biology, Chemistry and Biochemistry, Geology and Geological Engineering, or Physics and Astronomy; at least two courses must include a lab.
Mathematics	3	Math courses at the 100 level or above, except for Math 245 and Math 246
History	6	Any two His courses
Social sciences	6	From anthropology, economics, political science, psychology, and sociology
Additional humanities	3	From African-American studies; classical civilization; gender studies (G St 201, 301, 333, 350); philosophy; religion; Southern studies (S St 101, 102), and any G St courses that are cross-listed with English or modern languages
Fine or performing arts	3	From art history, music, dance, and theatre arts. Studio and workshop courses cannot be used to satisfy this requirement. Acceptable freshman or sophomore-level courses are Art History 101, 102, 201, 202; Music 101, 102, 103, 104, 105; Dance 200; Theatre 201.

COURSE REQUIREMENTS FOR MAJOR

A major in chemistry for the B.A. degree consists of the following 28-30 hours of courses:

Chem 105 and 115	General Chemistry I and II
Chem 106 and 116	General Chemistry Lab I and II
Chem 221 and 225	Elementary Organic Chemistry I and II
Chem 222 and 226	Elementary Organic Chemistry Lab I and II
Chem 314	Quantitative Analysis
Chem 331 or 334	Physical Chemistry I or Biophysical Chemistry
Chem 463 (1 hour)	Senior Research

Two courses selected from Chem 332, 401, 415, 423, 469, and 471. Two additional hours of Chem 463 may substitute for one of these courses. Math 261, 262 and Phys 211, 212, 221, 222 or Phys 213, 214, 223, 224 are also required.

The following courses may not be used for major: Chem 101, 103, 104, 113, 114, 121, 201, 202, 271, 381, 382, or 383.

COLLEGE/SCHOOL REQUIREMENTS

A student must have a 2.00 GPA or above for all courses taken to fulfill the major. In addition to the major, a student must complete a minor and may not count cross-listed courses toward both a major and a minor. Double majors may not count a cross-listed course toward both majors. See ##### for regulations about minors and a list of minors. At least 31 hours must be completed at UM and from the College of Liberal Arts. At least one-third of the hours applied toward a degree must be at the 300 level or above. A maximum of 6 hours of exercise or leisure activity courses can be counted toward a liberal arts degree. A maximum of 30 hours of electives or work applied toward a minor may be taken in professional schools at the University of Mississippi and applied toward a liberal arts degree, whether this work is taken from one or multiple schools.



University-wide Graduation Requirements

2.0 GPA on all work attempted at UM, in addition to a 2.0 on all transfer work; 15 out of the last 21 hours must be completed at UM. At least 31 credit hours must be completed from the University of Mississippi. No more than 62 credit hours may be transfer credit.

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

<https://catalog.olemiss.edu/test/program-requirements.pdf>

Saturday, August 23, 2025 at 7:35:20 am CDT

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