

B.A. in Chemistry

[Overview](#)

[Degree Requirements](#)

Degree Requirements

The academic regulations for this degree program, as entered in the University of Mississippi Catalog, are in effect for the current or selected academic year and semester. The University of Mississippi reserves the right to 1) change or withdraw courses; 2) change rules for registration, instruction, and graduation; and 3) change other regulations affecting the student body at any time.

General Education

| REQUIREMENT | HOURS | DESCRIPTION |
|------------------------------------|-------|---|
| First Year Writing I | 3 | Complete Hon 101 , Writ 100 or Writ 101 with a passing grade. |
| First Year Writing II | 3 | Complete one of the following courses with a passing grade: Liba 102 , Writ 102 or Hon 102 . |
| 6 hrs literature survey | 6 | Complete 6 hours of literature survey with a passing grade. Choose from the following courses: Eng 220 , 221 , 222 , 223 , 224 , 225 , or Eng 226 . |
| 6 hrs modern/ancient language 200+ | 6 | Successfully complete at least 6 hours at the 200 level or above in one modern or ancient language. |
| 6 hrs history | 6 | Complete 6 hours in History (HST) course work with a passing grade. |
| 3 hrs humanities | 3 | African American studies; classical civilization; environmental studies 101, gender studies (G St 201 , 301 , 333 , 350); Liba 202 , 305 , 312 ; philosophy; religion; Southern studies (Any 100 level); Rhet 201 . In addition, gender studies courses that are cross-listed with African American studies, classical civilization, English, modern languages, philosophy, or religion courses will satisfy this requirement. |
| 6 hrs social science | 6 | Successfully complete 6 semester hours in anthropology, economics, political science, psychology, or sociology. |
| 3 hrs fine arts | 3 | The course may be chosen from art history, music, dance, and theatre arts. Studio and workshop courses cannot be used to satisfy this requirement. Courses that satisfy this requirement are any Art History (AH); Liba 130 , 204 , 314 ; Mus 101 , 102 , 103 , 104 , 105 ; Danc 200 ; Thea 201 , 202 . Students who have completed 30 semester hours of undergraduate course work may fulfill the requirement with a 300- or 400-level art history course. |
| 3 hrs math 100+ | 3 | Successfully complete 3 hours of Math at the 100 level or above except for Math 245 and Math 246 . |
| 9-12 hrs science | 11 | Courses may be chosen from astronomy, biology, chemistry, geology, Liba 205 , 205L, 150, 151, 315, 315L and physics. Two semesters of course work in one subject and one semester in a subject from another department are required. Each course must be a minimum of 3 credit hours. At least two of the courses taken must include laboratories. |

Major Requirements

| REQUIREMENT | HOURS | DESCRIPTION |
|--|-------|--|
| Chem 105 and 115 | 3 | Chem 105: General Chemistry I |
| Chem 106 and 116 | 3 | Chem 106: General Chemistry II |
| Chem 105 and 115 | 1 | Chem 115: General Chemistry Laboratory I |
| Chem 106 and 116 | 1 | Chem 116: General Chemistry Laboratory II |
| Chem 221 and 225 | 3 | Chem 221: Elementary Organic Chemistry I |
| Chem 222 and 226 | 3 | Chem 222: Elementary Organic Chemistry II |
| Chem 221 and 225 | 1 | Chem 225: Elementary Organic Chem. Laboratory I |
| Chem 222 and 226 | 1 | Chem 226: Elementary Organic Chem. Laboratory II |
| Chem 314 | 4 | Chem 314: Quantitative Analysis |
| Chem 331 or 334 | 3 | Chem 331: Physical Chemistry I , Chem 334: Biophysical Chemistry |
| Chem 463 | 1 | Chem 463: Senior Research and Discovery |
| 2 chemistry courses | 8 | Successfully complete two of the following chemistry courses: Chem 332 , Chem 340 , Chem 401 , Chem 423 , Chem 469 , or Chem 471 . |
| Chemistry residency hrs | 12 | Students must earn at least 12 hours of their major courses in residence. The following courses may not be used for major or minor credit: Chem 101 , Chem 102 , Chem 103 , Chem 104 , Chem 113 , Chem 114 , Chem 121 , Chem 201 , Chem 202 , Chem 271 , Chem 381 , Chem 382 , or Chem 383 . |



| REQUIREMENT | HOURS | DESCRIPTION |
|--------------------|-------|--|
| Overall Major GPA | | Please contact your academic advisor for grade point requirements. |
| Resident Major GPA | | Please contact your academic advisor for grade point requirements. |

Major Requirements II

| REQUIREMENT | HOURS | DESCRIPTION |
|--------------------------|-------|--|
| Math 261 | 3 | Complete Math 261 with a passing grade. |
| Math 262 | 3 | Complete Math 262 with a passing grade. |
| 8 hrs physics sequence | 8 | Successfully complete one of the following physics sequence: - Phys 211 , 212 , 221 , 222 - Phys 213 , 214 , 223 , 224 |

