Emphasis - Chemistry

B.A.Ed. in Science Education

Description
The B.A.E. degree with a major in science education can be completed with an emphasis in biology, chemistry, or physics. The degree prepares graduates to be eligible for certification in Mississippi to teach one of these science subjects in grades 7-12. Graduates may also teach other subjects by gaining supplemental endorsements. (See an advisor for more information.)

Minimum Total Credit Hours: 122

General Education Requirements
General Education Course Requirements: The core/general education requirements for the B.A.E. degree are as follows: 6 hours of English composition (Writ 100 or Writ 101 and Writ 102 or Liba 102); 6 hours of literature; 6 hours of history; college algebra or higher; a 3-4 hour biological science course with laboratory; a 3-4 hour physics, astronomy, or physical science II course with laboratory; a 3-4 hour course in geology, chemistry, or physical science I; a 3-hour course in fine arts (appreciation or history of); one additional 3-hour course in mathematics or science (Secondary Education majors and Special Education majors only); Psy 201 (Special Education and Secondary Education majors only); one additional 3-hour course in fine arts (Special Education majors only); 3 hours of humanities (from among classics, modern languages, philosophy, religion, literature, history, Southern studies, gender studies, linguistics, or African American studies) (Secondary Education and Special Education majors only); a 3-hour course in geography (Elementary Education majors only); a 3-hour course in sociology or political science (Elementary Education majors only).

Note: The core requirements are subject to change due to mandates from the Institutes of Higher Learning (IHL) and the Mississippi Department of Education. Therefore, it is important for all students to meet with School of Education advisers in the Student Advising and Field Experience office for the most recent information on the core.

Course Requirements
In addition to completion of the core curriculum, the requirements for the B.A.E. in science education include the professional education courses shown below, plus the content courses and related area courses to satisfy an emphasis in biological science, chemistry, or physics.

Professional Education Courses (30 hours) Edsp 308, Edci 352, Edsp 327, Edci 353*, Edse 400*, Edse 446*, Edle 480 *, and Edci 419*

(*Admission to Phase II of the Teacher Education Program is required before taking these courses.)

Note: A minimum grade of C is required in all professional education courses, content courses, and related courses. If this minimum of C is not met, the course(s) must be retaken before enrolling in the next level of professional education courses.

Other Academic Requirements
Admission to Phase II: Professional Education Core
Requirements for admission to teacher education are as follows:

1. Completion of core curriculum. Students responsible for submitting grades to the Office of the Dean for courses taken at other institutions. *Music education majors must complete the 45 hours from the liberal arts general education core and Mus 301, 302, 305, and 311.

2. Applicants who apply for admission to Phase II must have a 2.75 grade-point average.

3. Passing scores on Praxis Core Academic Skills for Educators (CORE)*

*Exemption: Students who provide proof of an ACT score of at least a 21 overall composite are exempt from taking the Praxis CORE. We do not superscore for the ACT and/or SAT. View the SAT Equivalency Scoring sheet for more information.

4. Courses Edci 352, Edsp 308, and Edsp 327 are the only professional education courses that may be taken prior to admission to Phase II. Elementary education majors may also take Edrd 355. A minimum grade of “C” in all professional education courses is required.

Note: A minimum grade of “C” is expected in all professional education courses, content courses, and related courses. If this minimum of “C” is not met, the course(s) must be retaken before enrolling in the next level of professional education courses.

Admission to Phase III: Student Teaching
Applications are available through the Student Advising and Field Experience Office and are due the semester prior to student teaching. To be admitted to student teaching, a student must meet the following requirements:

1. Admission to the Teacher Education Program.

2. A minimum grade of “C” in all professional education courses, content courses and related courses with the exception of those required during student teaching. If this minimum of “C” is not met, the course(s) must be retaken before enrolling in the next level of professional education courses.

3. During the student teaching semester, students must register for student teaching and EDCI 419 Effective Classroom Management and Assessment Practices. In addition, one 3-hour elective may be taken.

4. Completion of 15 hours in residency at The University of Mississippi (includes Tupelo, Booneville, Grenada, and DeSoto campuses).

5. Correspondence courses in education are not accepted.

6. Evidence of professional liability insurance.

Emphasis - Chemistry

Description
Graduates in science education with an emphasis in chemistry are eligible for certification in Mississippi to teach in grades 7-12. Graduates may also teach other subjects by gaining supplemental endorsements. (See an advisor for more information.)

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.

Course Requirements
In addition to completion of the core curriculum, the B.A.E. in science education with an emphasis in chemistry requires the professional education courses (30 hours) plus the following content area, related areas, and electives to reach a minimum of 123 semester hours.

Content Area Courses (33 hours) Chem 105/115; 106/116; 221/225; 222/226; 314; 331 or 334; 351; 381; and 382
Related Areas (19 hours total): Bisc 160/161 (4 hours) Phys 213/223 (3 hours) Phys 214/224 (3 hours) Astr/Geol (6 hours) Math 261 (3 hours)