

## **Emphasis - Physics**

- [B.A.Ed. in Science Education](#)
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### **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 - Physics Description**

Graduates in science education with an emphasis in physics 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.)



## Course Requirements

In addition to completion of the core curriculum, the B.A.E. in science education with an emphasis in physics requires the professional education courses (30 hours) plus the following content area, related areas, and electives to reach a minimum of 122 semester hours.

Content Area Courses (33 hours) Phys 211/221; 212/222; 303; 317; 318; 319; 321; 413; 417; and 463

Related Areas (15 to 30 hours, depending upon the courses used to satisfy the math/science components of the general education/core) Bisc 160/161 (4 hours) Chem 105/115 (4 hours)

Chem 106/116 (4 hours) Astr/Geol (6 hours) Math 123, 261, 262, and 263 (0-12 hours)

