Emphasis - Chemistry

B.A.Ed. in Science Education

Description

The B.A.Ed. 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 (Wrt 100 or Wrt 101 and Wrt 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 (appraisal or history of); one additional 3-hour course in mathematics or science (Secondary 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).

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.

Other Academic Requirements

Admission to the Teacher Education Program:

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

Practicals. In addition, one 3-hour elective may be taken.

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.

Emphasis - Chemistry

Description

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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 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)

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.

B.A.Ed. in Science Education

General Education

<table>
<thead>
<tr>
<th>REQUIREMENT</th>
<th>HOURS</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>First Year Writing I</td>
<td>3</td>
<td>Complete</td>
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<tr>
<td>First Year Writing II</td>
<td>3</td>
<td>one of the</td>
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<td>courses</td>
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<td></td>
<td></td>
<td>passing</td>
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<tr>
<td></td>
<td></td>
<td>grade</td>
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<tr>
<td>6 hrs history</td>
<td>6</td>
<td>Complete</td>
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<td></td>
<td></td>
<td>6 hours</td>
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<td></td>
<td></td>
<td>of History</td>
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<td></td>
<td></td>
<td>coursework</td>
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<tr>
<td>3 hrs math 121+</td>
<td>3</td>
<td>Complete</td>
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<td>mathematics</td>
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<td></td>
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<td>(Math 121</td>
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<td>or higher)</td>
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<td></td>
<td>Math 245</td>
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<td></td>
<td></td>
<td>or Math 246</td>
</tr>
<tr>
<td>Physical science</td>
<td>3</td>
<td>Successfully complete 3-4 hour course with laboratory in physics, astronomy, or physical science II.</td>
</tr>
<tr>
<td>Physical sci lab</td>
<td>1</td>
<td>Complete a physical science lab to accompany physical science course.</td>
</tr>
<tr>
<td>Biological science</td>
<td>3</td>
<td>Successfully complete a biological science course with an accompanying lab.</td>
</tr>
<tr>
<td>Biological sci lab</td>
<td>1</td>
<td>Complete a biological science lab to accompany biological science course.</td>
</tr>
<tr>
<td>3-4 hrs science</td>
<td>3</td>
<td>Complete a 3-4 hours course in geology, chemistry, or physical science I.</td>
</tr>
<tr>
<td>6 hrs literature 200+</td>
<td>6</td>
<td>Complete 6 credit hours of literature at the 200 level or higher.</td>
</tr>
<tr>
<td>3 hrs fine arts, apprev or hist</td>
<td>3</td>
<td>Successfully complete 3 hours in the fine or performing arts. The course may be chosen from art history, music, dance, and theatre arts. Studio and workshop courses cannot be used to satisfy this requirement.</td>
</tr>
</tbody>
</table>

General Education II

<table>
<thead>
<tr>
<th>REQUIREMENT</th>
<th>HOURS</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>Psy 201</td>
<td>3</td>
<td>Complete Psy 201 with a passing grade.</td>
</tr>
<tr>
<td>Add'l math/science</td>
<td>3</td>
<td>Successfully complete an additional 3-hour course in mathematics or science.</td>
</tr>
<tr>
<td>3 hrs humanities</td>
<td>3</td>
<td>Successfully complete 3 semester hours in courses chosen from the following areas: classics, modern languages, philosophy, religion, literature, history, southern studies, gender studies, linguistics, or African American studies.</td>
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Major Requirements

<table>
<thead>
<tr>
<th>REQUIREMENT</th>
<th>HOURS</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>Edsp 308 - C min</td>
<td>3</td>
<td>Complete Edsp 308 with a grade of C or better.</td>
</tr>
<tr>
<td>Edci 352 - C min</td>
<td>3</td>
<td>Complete Edci 352 with a grade of C or better.</td>
</tr>
<tr>
<td>EDSP 327</td>
<td>3</td>
<td>Complete EDSP 327 with a grade of C or better.</td>
</tr>
<tr>
<td>Edci 353 - C min</td>
<td>3</td>
<td>Complete Edci 353 with a grade of C or better.</td>
</tr>
<tr>
<td>Edse 400 - C min</td>
<td>3</td>
<td>Complete Edse 400 with a grade of C or better.</td>
</tr>
<tr>
<td>Edse 446 - C min</td>
<td>3</td>
<td>Complete Edse 446 with a grade of C or better.</td>
</tr>
<tr>
<td>Edse 480 - C min</td>
<td>9</td>
<td>Complete Edse 480 with a grade of C or better.</td>
</tr>
<tr>
<td>Edci 419 - C min</td>
<td>3</td>
<td>Complete Edci 419 with a grade of C or better.</td>
</tr>
<tr>
<td>Select an emphasis</td>
<td>0</td>
<td>Select an emphasis area within the BAE in Science Education program.</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>REQUIREMENT</th>
<th>HOURS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisc 160 - C min</td>
<td>3</td>
<td>Complete Bisc 160 with a grade of C or better.</td>
</tr>
<tr>
<td>REQUIREMENT</td>
<td>HOURS</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>-------------</td>
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<td>-------------</td>
</tr>
<tr>
<td>Bisc 161 - C min</td>
<td>1</td>
<td>Complete Bisc 161 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 105 - C min</td>
<td>3</td>
<td>Complete Chem 105 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 106 - C min</td>
<td>3</td>
<td>Complete Chem 106 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 115 - C min</td>
<td>1</td>
<td>Complete Chem 115 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 116 - C min</td>
<td>1</td>
<td>Complete Chem 116 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 221 - C min</td>
<td>3</td>
<td>Complete Chem 221 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 222 - C min</td>
<td>3</td>
<td>Complete Chem 222 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 225 - C min</td>
<td>1</td>
<td>Complete Chem 225 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 226 - C min</td>
<td>1</td>
<td>Complete Chem 226 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 314 - C min</td>
<td>4</td>
<td>Complete Chem 314 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 331 or 334 - C min</td>
<td>3</td>
<td>Complete one of the following courses with a grade of C or better: Chem 331 or Chem 334.</td>
</tr>
<tr>
<td>Chem 351 - C min</td>
<td>3</td>
<td>Complete Chem 351 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 382 - C min</td>
<td>4</td>
<td>Complete Chem 382 with a grade of C or better.</td>
</tr>
<tr>
<td>Chem 381 - C min</td>
<td>4</td>
<td>Complete Chem 381 with a grade of C or better.</td>
</tr>
<tr>
<td>Phys 224 - C min</td>
<td>1</td>
<td>Complete Phys 224 with a grade of C or better.</td>
</tr>
<tr>
<td>Phys 214 - C min</td>
<td>3</td>
<td>Complete Phys 214 with a grade of C or better.</td>
</tr>
<tr>
<td>Phys 223 - C min</td>
<td>1</td>
<td>Complete Phys 223 with a grade of C or better.</td>
</tr>
<tr>
<td>Phys 213 - C min</td>
<td>3</td>
<td>Complete Phys 213 with a grade of C or better.</td>
</tr>
<tr>
<td>Math 261 - C min</td>
<td>3</td>
<td>Complete Math 261 with a grade of C or better.</td>
</tr>
<tr>
<td>6 hrs astrology/geology - C min</td>
<td>6</td>
<td>Complete 6 hours of Astr or Geol coursework with a grade of C or better.</td>
</tr>
</tbody>
</table>