BSEd in Secondary Education with Emphasis in Biology

Degree Program Description
The Bachelor of Science in Education in Secondary Education prepares students to work with children from ninth through twelfth grade in public, private, and alternative school systems. You may consider a degree in education if you enjoy working with children and/or adolescents, want to strengthen the future through education, and want to make a difference in the lives of others. MU Students work closely with mentors, practicing teachers, administrators, and university faculty to develop the knowledge and skills to enhance learning outcomes for children and youth. The coursework through the College of Education focuses on teachers’ roles in facilitating learning at all levels of development and considers the influences of cultural, political, historical, and economic factors on students, teachers, and schools. Upon successfully completing the initial teacher certification process, the state grants you certification in secondary biology. Practical and rewarding clinical training in schools and agencies begins sophomore year, and continues each semester culminating in a senior-level teaching internship, enhancing teaching skills and confidence. Coursework within Secondary Biology provides you with experience in the methods of teaching biology in supporting learners in the development of scientific literacy. This includes consideration of the nature of science, methods for teaching science, strategies for assessing science learning, and pathways for developing into a professional biology educator.

Major Program Requirements
Students must complete all university (http://catalog.missouri.edu/academicdegreerequirements/universityrequirements), general education (http://catalog.missouri.edu/academicdegreerequirements/ generaleducationrequirements), and content requirements, in addition to degree requirements. Please meet with an Academic Advisor to discuss degree requirements and to create a semester plan. Teacher Education programs in the College of Education are accredited by the Missouri Department of Elementary and Secondary Education (DESE (https://dese.mo.gov)). Curriculum changes mandated to earn teacher certification may become effective at any point during your academic program. Therefore, it is extremely important that you DO NOT SELF ADVISE.

Phase I

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<th>Course Code</th>
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<td>LTC 1100</td>
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<td>or LTC 1120</td>
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<tr>
<td>or LTC 1130</td>
<td>Orientation: Middle School Education</td>
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<td>or LTC 1155</td>
<td>Orientation: Science Education</td>
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<td>or LTC 1170</td>
<td>Orientation: English/Language Arts</td>
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<td>or SPC_ED 1100</td>
<td>Orientation: Special Education</td>
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<td>LTC 2200</td>
<td>School Health and Student Wellbeing</td>
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<td>Experiencing Cultural Diversity in the United States</td>
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<td>ESC_PS 2014</td>
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<td>LTC 4560</td>
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<td>LTC 4460</td>
<td>Teaching English to Speakers of Other Languages</td>
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<td>LTC 4641</td>
<td>Teaching Middle and Secondary Science II</td>
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<td>LTC 4654</td>
<td>Teach Sci MS/Sec Sch: Phil,Hist,Sci Inq,Curr,Assm &amp; Tech III Fld</td>
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<td>SPC_ED 4020</td>
<td>Teaching the Exceptional Learner</td>
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Content Area

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<td>Introduction to Biological Systems with Laboratory</td>
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<td>BIO_SC 1200</td>
<td>General Botany with Laboratory (OR)</td>
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<td>BIO_SC 3210</td>
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<td>Animal Physiology (OR)</td>
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<td>MPP 3202</td>
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<td>BIO_SC 4600</td>
<td>Evolution</td>
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<td>Senior Seminar (Teaching Middle/Secondary Bio)</td>
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<td>GEOL 1200</td>
<td>Environmental Geology with Laboratory (Recommended)</td>
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<td>GEOL 1100</td>
<td>Principles of Geology with Laboratory (Also Accepted)</td>
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Semester Plan
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