



<p><b>Communication Skills</b> At least <b>two</b> courses in <b>English composition</b> and <b>one</b> in <b>oral communications</b>.</p> <p><b>Social Studies</b> <b>HIST 1001</b>, American <b>Civ</b> to 1865 OR HIST 1002 American <b>Civ</b> 1865 to Present <b>POL SCI 1100</b>, <b>Intro</b> to American Politics <b>PSYCH 1003</b>, General Psychology (<b>required</b>).</p> <p><b>Natural Science</b> <b>One</b> course in a physical or earth science; <b>one</b> course in a biological science. At least <b>one</b> of these courses must have a <b>laboratory component</b>.</p> <p><b>Mathematics</b> <b>MATH 1020</b>, Contemporary Math OR <b>MATH 1030</b>, College Algebra</p> <p><b>Note</b> All of the courses above must be a minimum of 2 semester hours.</p> <p><b>Program Requirements</b> B.S.Ed. and B.A. certification candidates must complete the following courses:</p> <p><b>Level I: Exploring Education as a Profession</b> <b>TCH ED 2209</b>, Foundations of Teaching in American Schools <b>ED PSY 2212</b>, Introduction to Learners and Learning <b>EDUC 1000</b>, Effective Career Decision Making for Educators</p>	<p><b>Communication Skills</b> At least <b>two</b> courses in <b>English composition</b> and <b>one</b> in <b>oral communications</b>. <b>HIST 1111, Reacting to the Past</b>, is recommended.</p> <p><b>Social Studies</b> <b>HIST 1001</b>, American <b>Civilization</b> to 1865 or <b>HIST 1002</b>, American <b>Civilization</b> 1865 to Present <b>POL SCI 1100</b>, <b>Introduction</b> to American Politics <b>PSYCH 1003</b>, General Psychology</p> <p><b>Natural Science</b> <b>One</b> course in a physical or earth science; <b>one</b> course in a biological science. At least <b>one</b> of these courses must have a <b>laboratory component</b>.</p> <p><b>Mathematics</b> <b>MATH 1020</b>, Contemporary Math OR <b>MATH 1030</b>, College Algebra OR <b>MATH 1021, Choice and Chance</b></p> <p><b>Note</b> All of the courses above must be a minimum of 2 semester hours.</p> <p><b>Program Requirements</b> B.S.Ed. and B.A. certification candidates must complete the following courses:</p> <p><b>Level I: Exploring Education as a Profession</b> <b>ED PSY 2212</b>, Introduction to Learners and Learning <b>EDUC 1000</b>, Effective Career Decision Making for Educators <b>TCH ED 2209</b>, Foundations of Teaching in American Schools</p>	<p>A new course is recommended to fulfill the Communication Skills requirement</p> <p>Added an option in Mathematics requirement</p>
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<p><b>Level II: Analyzing the Nature and Process of Education</b>  <b>TCH ED 3310</b>, Introduction to Instructional Methods  <b>ED PSY 3312</b>, Psychology of Teaching and Learning  <b>TCH ED 3313</b>, Psychology of the Exceptional Child  <b>TCH ED 4391</b>, Teaching Reading in Secondary School Content Areas</p> <p><b>Level III: Synthesizing Theory and Practice in Education</b>  <b>SEC ED 4xxx</b>, Curriculum and Methods of Teaching (specific subject area)  <b>SEC ED 4989</b>, Secondary Education Professional Internship  <b>SEC ED 4990</b>, Secondary School Student Teaching  <b>SEC ED 4xxx</b>, Student Teaching Intern Seminar (Taken concurrently with <b>student teaching</b>)</p> <p>Note: <b>SEC ED 4989</b> Secondary Education Professional Internship and <b>SEC ED 4xxx</b>, Curriculum and Methods of Teaching (specific subject area) must be taken in the same semester and in the semester immediately preceding <b>SEC ED 4990</b>, Secondary School Student Teaching</p> <p><b>Attention Education majors:</b> Professional Education courses must be completed with a grade point average of 2.5 and no grade lower than a C or better are required in all courses in the teaching field.</p>	<p><b>Level II: Analyzing the Nature and Process of Education</b>  <b>ED PSY 3312</b>, Psychology of Learning, Instruction and Assessment  <b>ED TECH 3135</b>, Technology for Educators (1)  <b>SPC ED 3318</b>, Inclusive Classrooms  <b>TCH ED 4391</b>, Literacy for Adolescent Learners in Content Areas  <b>TCH ED 3310</b>, Methods of Teaching with Technology (2)</p> <p><b>Level III: Synthesizing Theory and Practice in Education</b>  <b>SEC ED 4xxx</b>, Curriculum and Methods of Teaching (specific subject area)  <b>SEC ED 4989</b>, Practicum I: Secondary Site based Experience  <b>SEC ED 4990</b>, Practicum II: Secondary Site based Experience (12)  <b>SEC ED 4xxx</b>, Teaching Intern Seminar (Taken concurrently with <b>Practicum II</b>)</p> <p>Note: <b>SEC ED 4989</b>, Practicum I and <b>SEC ED 4xxx</b>, Curriculum and Methods of Teaching (specific subject area) must be taken in the same semester and in the semester immediately preceding <b>SEC ED 4990</b>, Practicum II</p> <p><b>Attention Education majors:</b> Professional Education courses must be completed with a grade point average of 2.5 and no grade lower than a C or better are required in all courses in the teaching field.</p> <p>Beginning with those students graduating in May, 2017 and receiving teacher certification, the Missouri Department of Elementary and Secondary Education requires a 3.0 GPA in professional education courses, a 3.0 GPA in the</p>	<p>Course title change  This course replaces TCH ED 3313  Course added  Course title change  Course title and hour change</p> <p>Course title change</p> <p>Course title change</p> <p>Course title change</p>
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<p><b>Emphasis Areas:</b> B.S.Ed. candidates must complete 30 to 50 hours of specific subject requirements in one of the following fields: English, foreign language (French, German, or Spanish), mathematics, music, unified science (biology, chemistry, or physics endorsement), or social studies. For specific subject requirements see the appropriate department listing.</p> <p>Music Education students take the following courses during the same semester: SEC ED 4993, Student Teaching in Music Education K-6, and SEC ED 4994, Student Teaching in Music Education 7-12. Art Education Students take the following courses during the same semester:</p> <p>SEC ED 4996, <b>Student Teaching in Elementary Art</b> and SEC ED 4997, <b>Student Teaching in Secondary Art</b>. These two courses must be taken in the same semester.</p> <p><b>Social Studies</b> certification students must complete a major or an equivalent in hours in one of the following disciplines: anthropology, economics, geography, history, political science, psychology, or sociology. They must meet these minimum social science requirements:</p> <ul style="list-style-type: none"> <li>American history, 12 hours including <b>HIST/SEC ED 4013</b></li> <li>European or world history, 9 hours including <b>HIST/SEC ED 4014</b></li> <li>United States and/or state government, 6 hours including <b>POL SCI/SEC ED 4090</b></li> </ul>	<p><b>teaching content field, and a 2.75 overall GPA.</b></p> <p><b>Students must pass the relevant exit test to receive the B.S.Ed. degree.</b></p> <p><b>Emphasis Areas:</b> B.S.Ed. candidates must complete 30 to 50 hours of specific subject requirements in one of the following fields: English, foreign language (French, or Spanish), mathematics, unified science, biology, chemistry, physics, or social studies. For specific subject requirements see the appropriate department listing in the <i>Bulletin</i>.</p> <p>Music Education students take the following courses during the same semester: <b>SEC ED 4993</b>, Student Teaching in Music Education K-6, and <b>SEC ED 4994</b>, Student Teaching in Music Education 7-12. Art Education Students take the following courses during the same semester:</p> <p><b>SEC ED 4996, Practicum I: Site based Experience in Elementary Art and SEC ED 4997, Practicum I: site based Experience in Secondary Art</b>. These two courses must be taken in the same semester.</p> <p><b>Social Studies</b> certification students must complete a major or an equivalent in hours in one of the following disciplines: anthropology, economics, geography, history, political science, psychology, or sociology. They must meet these minimum social science requirements:</p> <ul style="list-style-type: none"> <li>American history, 12 hours including <b>SEC ED 4013</b></li> <li>European or world history, 9 hours including <b>HIST 4014</b></li> <li>United States and/or state government, 6 hours including <b>POL SCI/SEC ED 4090</b></li> </ul>	<p><b>German is no longer offered</b> <b>Music is not included in the B.S. Ed. It is a CoFAC degree.</b></p> <p><b>Course title changes</b></p> <p><b>Course is no longer cross-listed with HIST</b></p> <p><b>Course is no longer cross-listed with SEC ED</b></p>
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<ul style="list-style-type: none"> <li>• Behavioral science, 6 hours</li> <li>• Economics, 3 hours</li> <li>• Geography, 3 hours</li> <li>• 2 hours of elective social studies credit.</li> </ul> <p>Social science methods courses are <b>HIST/SEC ED 4011</b></p> <p>For emphasis area advising, see the History Department.</p> <p><b>B.S. Degree in Secondary Education with an Emphasis in Science-Physics</b> All candidates must enroll in a program that includes levels I, II, and III course work in the College of Education. In addition, students must complete the following Science Core Courses and the courses listed under Physics Endorsement:</p> <p><b>Science core courses:</b></p> <p><b>PHIL 3380</b>, Philosophy of Science</p> <p><b>Biology</b> <b>CHEM 1111</b>, Introductory Chemistry I <b>CHEM 1112</b>, Introductory Chemistry II <b>BIOL 1811</b>, Introductory Biology I <b>BIOL 1821</b>, Introductory Biology II <b>GEOL 1001</b>, General Geology <b>ATM SC 1001</b>, Elementary Meteorology <b>BIOL 1202</b>, Environmental Biology or another environmental science</p> <p><b>Physics</b> <b>PHYSICS 1011</b>, Basic Physics I <b>PHYSICS 1012</b>, Basic Physics II</p> <p><b>Physics Endorsement</b></p> <p><b>Physics</b> <b>PHYSICS 3200</b>, Mathematical Methods of</p>	<ul style="list-style-type: none"> <li>• Behavioral science, 6 hours</li> <li>• Economics, 3 hours</li> <li>• Geography, 3 hours</li> <li>• 2 hours of elective social studies credit.</li> </ul> <p>Social science methods courses are <b>SEC ED 4011</b> and <b>SEC ED 4012</b>, Social Studies Teaching seminar</p> <p><b>B.S. Degree in Secondary Education with an Emphasis in Science-Physics</b> All candidates must enroll in a program that includes levels I, II, and III course work in the College of Education. In addition, students must complete the following Science Core Courses and the courses listed under Physics Endorsement:</p> <p><b>Science core courses:</b></p> <p><b>PHIL 3380</b>, Philosophy of Science</p> <p><b>BIOL 1811</b>, Introductory Biology I: From Molecules to Organisms <b>BIOL 2102</b>, General Ecology or another Environmental Science <b>CHEM 1111</b>, Introductory Chemistry I <b>CHEM 1121</b>, Introductory Chemistry II <b>PHYSICS 2111</b>, Physics: Mechanics and Heat <b>PHYSICS 2112</b>, Physics: Electricity, Magnetism, and Optics <b>GEOL 1001</b>, General Geology or <b>ATM SCI 1001</b>, Elementary Meteorology or <b>ASTRON 10xx</b></p> <p><b>Physics Endorsement</b></p> <p><b>Physics</b> <b>PHYSICS 3200</b>, Mathematical Methods of</p>	<p><b>Course is no longer cross-listed with HIST</b></p> <p><b>Advising is done in education (OASIS)</b></p> <p><b>Make consistent with listing in Physics Department</b></p>
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Theoretical Physics <b>PHYSICS 3221</b> , Mechanics <b>PHYSICS 3223</b> , Electricity and Magnetism <b>PHYSICS 3231</b> , Introduction to Modern Physics <b>PHYSICS 4310</b> , Modern Electronics <b>PHYSICS 4311</b> , Advanced Physics Laboratory I <b>PHYSICS 4802/SEC ED 3240</b> , Curriculum and Methods of Teaching Physical Science <b>PHYSICS 4837</b> , Chemistry/Physics Teaching Intern Seminar	Theoretical Physics <b>PHYSICS 3221</b> , Mechanics <b>PHYSICS 3223</b> , Electricity and Magnetism <b>PHYSICS 3231</b> , Introduction to Modern Physics <b>PHYSICS 4310</b> , Modern Electronics <b>PHYSICS 4311</b> , Advanced Physics Laboratory I <b>SEC ED 3240</b> , Curriculum and Methods of Teaching Physical Science <b>SEC ED 4837</b> , Chemistry/Physics Teaching Seminar (2)	<p><b>Course is no longer cross-listed with PHYSICS</b></p> <p><b>Course is no longer offered in PHYSICS</b></p>
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Revised: October, 2008