Secondary Education: Grades 9-12

Biology

- Minimum grade point average of 3.0 on a 4.0 scale is required in all professional education courses.
- Minimum grade point average of 3.0 on a 4.0 scale is required in content area.
- A course grade less than a “C” is not allowed. A grade of “C-” or lower does not satisfy the requirement.
- Minimum cumulative grade point average of 2.75 on a 4.0 scale required for certification.
- Students must complete all the blocks in the program sequence. Blocks should be taken in total.

School of Education Core Curriculum

Moral & Ethical Development

- THEO 1000 Theological Foundations
- PHIL 1050 Introduction to Philosophy
- EDF 3840 Professional Ethics

Required Assessment
- Ethics Case Study

Leadership & Service

- ANY HIST course
- ANY POLS, SOC, PSY, or ECON course
- EDL 3892 Leadership & Service Seminar

Required Assessment
- Leadership & Service Reflection

Inquiry

- MATH
- Any Science course with Lab
- EDR 3891 Qualitative & Quantitative Methods
- EDR 4970 Action Research for Educators

Multicultural Studies

- EDF 3890 School & Community

Select two courses from the following:

- EDF 3620 Cultural Diversity in the Classroom
- EDFSP 4310 Education of the Exceptional Individual
- EDFSP 4480 Methods of Inclusive Classrooms

Communication & Technology

- CMM 1200 Introduction to Public Speaking
- ENGL 1900 Advanced Strategies of Rhetoric & Research
- Any Fine Arts
- Any Literature Course
- EDI 3893 Technological Application for Professionals

Secondary Education Curriculum

Block 1. Foundations of Teaching & Learning (6)

- EDF 2040 Foundations of Secondary Schools
- EDI 2940 Portfolio I
- EDF 2240 Growth, Development & Learning

Required Assessments
- Missouri Educator Profile
- Missouri General Education Assessment

Block 2. Reaching Diverse Learners (9)

- EDF 3620 Cultural Diversity in the Classroom
- EDSP 4310 Education of the Exceptional Individual
- EDI 3001 English Language Learners

MoGEA must be passed prior to enrolling in Block 3!

Block 3. Teaching Methods & Strategies (9) (fall junior year)

- EDF 4210 Methods of Technology Integration
- EDI 3310 Methods in Teaching Secondary Science
- EDI 3315 Practicum in Teaching Secondary Science

Block 4. Literacy & Assessment Practices (6)

- EDI 4420 Assessing Classroom Performance
- EDI 3200 Reading & Writing in the Content Fields

Block 5. The Classroom Environment (9)

- EDSP 4480 Teaching Methods for Inclusive Classrooms
- EDSP 4250 Classroom Management & Organization
- EDI 4200 Disciplinary Literacy Assessment & Intervention
- EDI 3940 Portfolio Development II

Required Assessment
- Missouri Content Assessment, Biology 9-12

Block 6. Becoming a Practitioner (15)

- EDI 4840 Student Teaching
- EDR 4970 Action Research for Educators
- EDI 4870 Professional Development Seminar
- EDI 4940 Portfolio Development III

Required Assessment
- Missouri Pre-Service Teacher Assessment
- Ethics Case Study
<table>
<thead>
<tr>
<th>Areas Required for Certification</th>
<th>Courses Required at Saint Louis University</th>
</tr>
</thead>
<tbody>
<tr>
<td>History, Nature, &amp; Philosophy of Science and Technology (3)</td>
<td>_EDI 4280 Educational Inquiries into the History, Nature, and Philosophy of Science &amp; Technology (3)</td>
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<tr>
<td>Principles of Biology (8)</td>
<td>_BIOL 1240 Principles of Biology I (4) <em>(offered in Fall)</em></td>
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<td>_BIOL 1260 Principles of Biology II (4) <em>(offered in Spring)</em></td>
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<tr>
<td>Cell Biology (3)</td>
<td>_BIOL 3020 Biochemistry &amp; Molecular Biology (3) <em>(Prerequisites: BIOL 104 and BIOL 106 and CHEM 163 &amp; 164.)</em></td>
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<tr>
<td>Plant Structure &amp; Function (4)</td>
<td>_BIOL 3260 Biology of Plants &amp; Fungi (4)</td>
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<tr>
<td>Genetics (3)</td>
<td>_BIOL 3030 Principles of Genetics (3) <em>(Prerequisites: BIOL 302 OR CHEM 464)</em></td>
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<tr>
<td>Evolution (3)</td>
<td>_BIOL 3010 Evolutionary Biology (3)</td>
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<tr>
<td>General Science (12-14)</td>
<td>_CHEM 1110 General Chemistry I (3) <em>(Prerequisites: CHEM 093 or CHEM 1050 (C- minimum grade) or CHEM 1060 (C- minimum grade) and MATH 1200 or Math index minimum score of 930)</em></td>
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<td>_CHEM 1115 General Chemistry I Lab (1)</td>
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<td></td>
<td>_PHYS 1130 Astronomy (3) OR PHYS 1220 General Physics I (4)</td>
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<td></td>
<td>_EAS 1010 Earth and Atmospheric Science (3)</td>
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<td>_EAS 1080 Environmental Science (3)</td>
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<tr>
<td><strong>To complete the major in Biology...</strong> (meet with Biology Faculty member to discuss Biology major in more detail)</td>
<td><strong>Double major in Biology!</strong></td>
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<td><strong>Common Courses include the following, but it is recommended you meet with a faculty member in Biology to discuss the 2nd major in Biology!</strong></td>
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<td>_BIOL 3040 Cell Structure and Function (3) <em>(Offered in Spring. Prerequisite: BIOL 302 or CHEM 462; Co-requisite: CHEM 343/345.)</em></td>
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<td>_BIOL 4750 General Ecology (4) <em>(offered in Fall)</em></td>
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<td>_BIOL Elective (300/400 level) (3)</td>
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<td></td>
<td>_BIOL Elective (300/400 level) (3)</td>
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<td></td>
<td>_BIOL 4950 (Senior Residency) (0)</td>
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<tr>
<td></td>
<td>_CHEM 1120 General Chemistry II (3)</td>
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<tr>
<td></td>
<td>_CHEM 1125 General Chemistry II Lab (1)</td>
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<td></td>
<td>_CHEM 2430 Organic Chemistry I (3) <em>(Offered in Fall)</em></td>
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<td>_CHEM 2415 Organic Chemistry Lab I (1)</td>
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<tr>
<td></td>
<td>_CHEM 2440 Organic Chemistry II (3) <em>(Offered in Spring)</em></td>
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<tr>
<td></td>
<td>_CHEM 2425 Organic Chemistry Lab II (1)</td>
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