

East Central University+A1:K50
 BIOLOGY-Teacher Certification
 Major Code= 0041 / 2024-2025 Academic Catalog

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|----------------------------------|---|
| Student Name: _____ | Student ID # _____ |
| 30 hours at ECU completed | Advisor: _____ |
| 60 hours at Sr college completed | |
| 40 hours upper level completed | OSRHE Computer Proficiency Requirement met <input type="checkbox"/> |

| Requirements | Hours | Hours |
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|--------------|-------|-------|

Courses highlighted in blue are general education courses.

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| I. General Education | 40 |
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17 hrs may be counted in both the major and general education (BIOL 1114, CHEM 1114, MATH 1513, COMM 1113, PSYCH 1113)

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| II. Major in Biology- Teacher Certification | 31-32 |
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| A. Required Biology Core | 20 |
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| BIOL | 1114 | General Biology |
| BIOL | 1214 | General Botany |
| BIOL | 1314 | General Zoology |
| BIOL | 3434 | Genetics |
| BIOL | 3514 | General Physiology OR |
| | BIOL 3634 | Human Physiology |

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| C. Required for Concentration in Teacher certification | 11-12 |
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| B/C/P | 4113 | Method Teaching BIOL/PHYS SCI |
| BIOL | 4414 | General Ecology |
| | | one of following: |
| BIOL | 2184 | Human Anatomy |
| BIOL | 3245 | Comparative Vertebrate Anatomy |

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| III. Required Related Work | 34-36 |
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| CHEM | 1114 | General Chemistry I |
| CHEM | 1214 | General Chemistry II |
| COMM | 1113 | Fund. Of Human Communication |
| MATH | 1513 | College Algebra † OR |
| | MATH 2825 | Calculus and Analytic Geometry I |
| PHYS | 1114 | General Physics I |
| PHYS | 1214 | General Physics II |
| PHYS | 1314 | Astronomy |
| PSYCH | 1113 | General Psychology |

select one of following:

| | | |
|------|------|----------------------------------|
| CHEM | 1314 | General Organic and Biochemistry |
| CHEM | 3114 | Organic Chemistry I |
| CHEM | 3214 | Quantitative Analysis I |

AND

3 hrs earth science electives

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| IV. Minor | |
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Professional education is used as a minor.

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| V. Professional Education | 30 |
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| VI. Electives | 0-2 |
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An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student and can be used in completion of a minor, certificate, or additional major.

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| VII. Special Requirements | |
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† With department approval, students may omit MATH 1513 and begin with MATH 2825.

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| VII. Total Hrs Required | 120 |
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