

Mineral Area College — Missouri S&T

Environmental Science BS with Secondary Education Teacher Certification in Earth Science

Transfer Guide Effective as of Fall 2025

Mineral Area College

Missouri S&T

Communication Skills

Take all courses.

| | | | | | |
|----------|-----------------------|-------------|--------------|------------------------------|---|
| ENG 1330 | English Composition I | 3 | ENGLISH 1120 | Exposition and Argumentation | 3 |
| ENG 1340 | English Composition | 3 | ENGLISH 1160 | Writing and Research | 3 |
| | | Total Hours | 6 | | |
| | | | | Total Hours | 6 |

Humanities and Social Sciences

Take all courses.

| | | | | | |
|-------------|------------------------------|-------------|-----------------|---------------------------------------|----|
| PSY 1130 | General Psychology I | 3 | PSYCH 1101 | General Psychology | 3 |
| HIS 1140 or | Western Civilization II or | | HISTORY 1100 or | Early Western Civilization or | |
| HIS 1230 or | American History I or | | HISTORY 1200 or | Modern Western Civilization or | |
| HIS 1240 or | American History II or | 3 | HISTORY 1300 or | American History to 1877 or | 3 |
| POS 1180 | American Political Systems | | HISTORY 1310 | American History since 1877 | |
| BUS 2940 | Principles of Microeconomics | 3 | ECON 1100 | Principles of Microeconomics | 3 |
| PHI 1420 | Intro to Ethics | 3 | PHILOS 1130 | How Should I Live? An Intro to Ethics | 3 |
| | | Total Hours | 12 | | |
| | | | | Total Hours | 12 |

Mathematics and Sciences

Take all courses.

| | | | | | |
|----------------|---|-------------|------------------|---|----|
| MAT 1650 | Analytical Geometry and Calculus I | 5 | MATH 1214 | Calculus I | 4 |
| PHS 1350 | General Chemistry I | 5 | CHEM 1310, 1319 | General Chemistry I and Lab | 5 |
| PHS 1390, 1380 | General Chemistry II and Qualitative Analysis | 6 | CHEM 1320, 1510* | General Chemistry II (3) and Qualitative Analysis (2) | 3 |
| BIO 1430 | Environmental Science | 3 | BIO SCI 1173 | Intro to Environmental Sciences | 3 |
| PHS 1420 or | College Physics I or | | PHYSICS 1145 or | College Physics I or | |
| PHS 2230 | General Physics I | 4 | PHYSICS 1135 | Engineering Physics I | 4 |
| | | Total Hours | 23 | | |
| | | | | Total Hours | 19 |

Teacher Certification Requirements

Take all courses.

| | | | | | |
|----------|---|-------------|--------------|---------------------------------------|----|
| EDU 2040 | Foundations of Education | 3 | EDUC 1074 | Education in a Diverse Society | 3 |
| EDU 2100 | Teaching Profession with Field Experience | 3 | EDUC 1104 | Teacher Field Experience I | 1 |
| EDU 2320 | Educational Psychology | 3 | EDUC 2102 or | Educational Psychology | 3 |
| PSY 1250 | Human Growth and Development | 3 | PSYCH 2300 | Developmental Psychology | 3 |
| EDU 2500 | Education of Exceptional Learner | 3 | PSYCH 3310 | Education of the Exceptional Child or | 3 |
| | | Total Hours | 15 | | |
| | | | | Total Hours | 13 |

Major/Additional Requirements

Select additional courses to total up to the maximum transfer credit hours shown below.

| | | | | | |
|----------|--------------------|---|--------------|------------------------|---|
| PHS 1200 | Intro to Astronomy | 3 | PHYSICS 1505 | Introductory Astronomy | 3 |
|----------|--------------------|---|--------------|------------------------|---|

Professional Requirements for Teacher Education Program: Please view all program requirements at <https://teachereducation.mst.edu/secondaryeducation/>.

Maximum credit hours to be transferred to Missouri S&T degree requirements.

60

Missouri S&T residency requirements: The last 60 hours of any Missouri S&T degree must be completed at Missouri S&T.
Students must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree.
Students are not required to complete all courses on this guide before transferring to Missouri S&T.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2025. Further information or updates are available from Missouri S&T Transfer Admissions at transfer@mst.edu, transfer@mst.edu, or 800-522-0938.