

# Moberly Area Community College — Missouri S&T

## Environmental Science BS with Secondary Education Teacher Certification in Earth Science

Transfer Guide Effective as of Fall 2026

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

### Moberly Area Community College

### Missouri S&T

#### Communication Skills

Take all courses.

|                       |                                               |             |                                 |                                              |   |             |   |
|-----------------------|-----------------------------------------------|-------------|---------------------------------|----------------------------------------------|---|-------------|---|
| LAL 101               | Composition I                                 | 3           | ENGLISH 1120                    | Exposition and Argumentation                 | 3 |             |   |
| LAL 102 or<br>IND 120 | Composition II or<br>Technical Report Writing | 3           | ENGLISH 1160 or<br>ENGLISH 3560 | Writing and Research or<br>Technical Writing | 3 |             |   |
|                       |                                               | Total Hours | 6                               |                                              |   | Total Hours | 6 |

#### Humanities and Social Sciences

Take all courses.

|         |                            |             |              |                                       |   |             |    |
|---------|----------------------------|-------------|--------------|---------------------------------------|---|-------------|----|
| PSY 101 | General Psychology         | 3           | PSYCH 1101   | General Psychology                    | 3 |             |    |
| HST 106 | American History from 1865 | 3           | HISTORY 1310 | American History since 1877           | 3 |             |    |
| ECN 102 | Microeconomics             | 3           | ECON 1100    | Principles of Microeconomics          | 3 |             |    |
| PHI 152 | 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.

|                       |                                               |             |                                 |                                                                                                                                        |   |             |    |
|-----------------------|-----------------------------------------------|-------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---|-------------|----|
| MTH 201               | Analytic Geometry and Calculus I              |             | MATH 1214                       | Calculus I                                                                                                                             | 4 |             |    |
| PHY 121               | General Chemistry I                           | 5           | CHEM 1310, 1319                 | General Chemistry I and Lab                                                                                                            | 5 |             |    |
| PHY 122               | General Chemistry II                          | 5           | CHEM 1320, 1510*                | General Chemistry II (3) and Qualitative Analysis (2)<br>*CHEM 1510 is not an S&T degree requirement. Will transfer as general credit. | 3 |             |    |
| PHY 181 or<br>PHY 201 | General Physics I or<br>Engineering Physics I | 5           | PHYSICS 1145 or<br>PHYSICS 1135 | College Physics I or<br>Engineering Physics I                                                                                          | 4 |             |    |
|                       |                                               | Total Hours | 10                              |                                                                                                                                        |   | Total Hours | 16 |

#### Teacher Certification Requirements

Take all courses.

|         |                                               |             |                            |                                                                              |   |             |    |
|---------|-----------------------------------------------|-------------|----------------------------|------------------------------------------------------------------------------|---|-------------|----|
| EDU 220 | Foundations of Education in a Diverse Society | 3           | EDUC 1074                  | Education in a Diverse Society                                               | 3 |             |    |
| EDU 225 | Teaching Profession with Field Experience     | 3           | EDUC 1104                  | Teacher Field Experience I                                                   | 1 |             |    |
| EDU 245 | Educational Psychology                        | 3           | EDUC 2102 or<br>PSYCH 2300 | Educational Psychology                                                       | 3 |             |    |
| PSY 205 | Human Lifespan Development                    | 3           | PSYCH 3310                 | Developmental Psychology                                                     | 3 |             |    |
| EDU 242 | Educational of Exceptional Learners           | 3           | EDUC 2310 or<br>PSYCH 4310 | Education of the Exceptional Child or<br>Psychology of the Exceptional Child | 3 |             |    |
|         |                                               | Total Hours | 15                         |                                                                              |   | Total Hours | 13 |

#### Major/Additional Requirements

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

|         |                               |   |                    |                                    |   |
|---------|-------------------------------|---|--------------------|------------------------------------|---|
| BIO 160 | General Biology for Majors II | 4 | BIO SCI 1223, 1229 | Biodiversity and Lab               | 4 |
| PHY 163 | Geology                       | 4 | GEOLOGY 1110       | Physical and Environmental Geology | 3 |
| PHY 162 | General 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.

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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 2026.  
Further information or updates are available from Missouri S&T Transfer Admissions at [transfer@mst.edu](mailto:transfer@mst.edu), [transfer@mst.edu](mailto:transfer@mst.edu), or 800-522-0938.