

Mineral Area College — Missouri S&T

Physics BS

Transfer Guide Effective as of Fall 2024

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 II | 3 | ENGLISH 1160 | Writing and Research | 3 |
| | | Total Hours | | | 6 |

Mathematics and Science

Take all courses.

| | | | | | |
|----------|--------------------------------------|-------------|------------------|---|----|
| MAT 1650 | Analytical Geometry and Calculus I | 5 | MATH 1214 | Calculus I | 4 |
| MAT 2150 | Analytical Geometry and Calculus II | 5 | MATH 1215 | Calculus II | 4 |
| MAT 2250 | Analytical Geometry and Calculus III | 5 | MATH 2222 | Calculus III | 4 |
| PHS 1350 | General Chemistry I | 5 | CHEM 1310, 1319 | General Chemistry I and Lab | 5 |
| PHS 1390 | General Chemistry II | 4 | CHEM 1320, 1510* | General Chemistry II (3) and Qualitative Analysis (2) <small>*Chem 1510 is not an S&T degree requirement. Will transfer as general credit.</small> | 3 |
| | | Total Hours | | | 24 |
| | | | | Total Hours | 20 |

Social Sciences

Select 9 hours to include at least one course to satisfy the state requirement.

| | | | | | |
|---|---|-------------|---|--|---|
| HIS 1140 or HIS 1230 or HIS 1240 or POS 1180 | Western Civilization II or American History I or American History II or American Political Systems <small>At least one of these courses is required to satisfy state requirement.</small> | 3 | HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200 | Modern Western Civilization or American History to 1877 or American History Since 1877 or American Government <small>At least one of these courses is required to satisfy state requirement.</small> | 3 |
| BUS 2940 or BUS 2930 | Principles of Microeconomics or Principles of Macroeconomics or other economics | 3 | ECON 1100 or ECON 1200 | Principles of Microeconomics or Principles of Macroeconomics or other economics | 3 |
| PSY 1130 | General Psychology I or other psychology | 3 | PSYCH 1101 | General Psychology or other psychology | 3 |
| Social Science | Any economics, history, political science, sociology, or psychology. | 3 | Social Science | Any economics, history, political science, sociology, or psychology. | 3 |
| | | Total Hours | | | 9 |
| | | | | Total Hours | 9 |

Humanities

Select 6 credit hours to include at least one literature.

| | | | | | |
|--|---|-------------|--|--|---|
| PHI 1400 | Intro to Philosophy or other philosophy | 3 | PHILOS 1105 | Self and World: Intro to Philosophy or other philosophy | 3 |
| ART 1490 | History of Art I or other fine art | 3 | ART 118 | Art Appreciation or other fine art | 3 |
| MUS 1630 | Appreciation of Music or other music | 3 | MUS 1150 | Music Understanding and Appreciation or other music | 3 |
| THE 1000 | Intro to Theatre or other theater | 3 | THEATRE 1190 | Theatre via Video or other theater | 3 |
| ENG 2330 or ENG 2430 or ENG 2492 | English Literature I or American Literature I or Women's Literature or other literature | 3 | ENGLISH 1211 or ENGLISH 1221 or ENGLISH 2242 | British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or Literature by Women or other literature | 3 |
| Humanities | Other fine art, literature, or philosophy. | 3 | Humanities | Other fine art, literature, or philosophy. | 3 |
| | | Total Hours | | | 6 |
| | | | | Total Hours | 6 |

Additional Degree Requirements

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

| | | | | | |
|-----------|------------------------|---|-----------|-----------------------------------|---|
| MAT 2330 | Differential Equations | 3 | MATH 3304 | Elementary Differential Equations | 3 |
| CSC 1100 | Programming Logic | 3 | CS 1500 | Computational Problem Solving | 3 |
| Electives | Maximum Free Electives | 6 | Electives | Maximum Free Electives | 6 |

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.