

St. Louis Community Colleges — Missouri S&T

Geology and Geophysics BS Transfer Guide

Effective as of Fall 2020

St. Louis Community Colleges

Missouri S&T

Communication Skills (Take all courses)

| | | | | | |
|-------------|--|---|---------------------------------|--|---|
| ENG 101 | College Composition I | 3 | ENGLISH 1120 | Exposition and Argumentation | 3 |
| ENG 102 | College Composition II | 3 | ENGLISH 1160 or ENGLISH 3560 | Writing and Research or Technical Writing | 3 |
| COM 107 | Public Speaking (if required for AA degree) | 3 | SPMS 1185 | Principles of Speech (Applies to S&T degree as free elective) | 3 |
| Total Hours | | | Total Hours | | |
| 9 | | | 9 | | |

Mathematics and Science (Take all courses)

| | | | | | |
|-------------|-------------------------------------|---|--------------------------------|--|---|
| MTH 210 | Analytical Geometry and Calculus I | 5 | MATH 1214 | Calculus for Engineers I | 4 |
| MTH 220 | Analytical Geometry and Calculus II | 5 | MATH 1215 | Calculus for Engineers II | 4 |
| CHM 105 | General Chemistry I | 5 | CHEM 1310, 1319 | General Chemistry I and Lab | 5 |
| PHY 122 | Engineering Physics | 5 | PHYSICS 1135 | Engineering Physics I | 4 |
| PHY 223 | Engineering Physics II | 5 | PHYSICS 2135 | Engineering Physics II | 4 |
| GEO 111 | Physical Geology | 3 | GEOLOGY 1110 (GEO ENG 1150) | Physical and Environmental Geology | 3 |
| ESC 101 | Scientific Computer Programming | 3 | CS 1971, 1981 | Intro to Programming Methodology and Lab | 3 |
| Total Hours | | | Total Hours | | |
| 31 | | | 27 | | |

Social Sciences (Take all courses)

| | | | | | |
|---|--|---|---|---|---|
| HST 128 or HST 101 or HST 102 or PSC 101 | Western Civilization 1500 to Present or US History to 1865 or US History 1865 to Present or Intro to American Politics (At least one of these courses is required to satisfy state requirement) | 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 (At least one of these courses is required to satisfy state requirement) | 3 |
| ECO 152 or ECO 151 | Principles of Microeconomics or Principles of Macroeconomics | 3 | ECON 1100 or ECON 1200 | Principles of Microeconomics or Principles of Macroeconomics | 3 |
| | <i>See your advisor for course options</i> | 3 | | Other economics, history, political science, sociology, psychology elective | 3 |
| Total Hours | | | Total Hours | | |
| 9 | | | 9 | | |

Humanities (Select 6 hours)

| | | | | | |
|-----------------------|--|---|--------------|--|---|
| ART 100 | Art Appreciation | 3 | ART 1180 | Art Appreciation | 3 |
| MUS 114 | Music Appreciation | 3 | MUSIC 1150 | Music Understanding and Appreciation | 3 |
| THT 101 | Intro to Theatre | 3 | THEATRE 1190 | Theatre Appreciation | 3 |
| ENG 210 | British Literature I | 3 | ENGLISH 1211 | British Literature I: The Beginnings to 1800 | 3 |
| ENG 204 or ENG 205 | American Literature I or American Literature II | 3 | ENGLISH 1221 | American Literature: 1600 to 1865 | 3 |
| ENG 231 | World Literature | 3 | ENGLISH 1231 | World Literature I | 3 |
| ENG 216 | Women in Literature | 3 | ENGLISH 2242 | Literature by Women | 3 |
| ENG 217 | Major Black Writers | 3 | ENGLISH 2245 | African American Literature | 3 |
| PHL 101 | Intro to Philosophy | 3 | PHILOS 1105 | Intro to Philosophy | 3 |
| | <i>See your advisor for course options</i> | | | Other fine art, literature, or philosophy elective | 3 |
| Total Hours | | | Total Hours | | |
| 6 | | | 6 | | |

Additional Degree Electives (Select up to 13 hours)

| | | | | | |
|-------------|---|---|--------------|---|---|
| MTH 230 | Analytical Geometry and Calculus III | 5 | MATH 2222 | Calculus with Analytic Geometry III (Transfers as required science elective) | 4 |
| MTH 240 | Differential Equations | 3 | MATH 3304 | Elementary Differential Equations (Transfers as required science elective) | 3 |
| CHM 106 | General Chemistry II | 5 | CHEM 1320 | General Chemistry II (Transfers as required science elective) | 3 |
| BIO 140 | Principles of Biology | 4 | BIO SCI 1113 | General Biology (Transfers as required science elective) | 3 |
| | Other science, mathematics, or engineering course. | | | Other science, mathematics, or engineering course. | |
| Total Hours | | | Total Hours | | |
| 13 | | | 13 | | |

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

67

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.