

Three Rivers College — Missouri S&T

Computer Science BS Transfer Guide

Effective as of Fall 2023

Three Rivers College

Missouri S&T

Communication Skills and (Take all courses)

| | | | | | |
|-------------|--------------------------|---|--------------|------------------------------|---|
| ENGL 111 | College Writing | 3 | ENGLISH 1120 | Exposition and Argumentation | 3 |
| ENGL 112 | Advanced College Writing | 3 | ENGLISH 1160 | Writing and Research | 3 |
| SCOM 110 | Public Speaking | 3 | SPMS 1185 | Principles of Speech | 3 |
| Total Hours | | | 9 | | |

Computer Science, Mathematics, and Science (Take all courses)

| | | | | | |
|--|---|---|---|--|---|
| MATH 171 | Analytic Geometry and Calculus I | 5 | MATH 1214 | Calculus I | 4 |
| MATH 271 | Analytic Geometry and Calculus II | 5 | MATH 1215 | Calculus II | 4 |
| PHYS 211 | General Physics I | 5 | PHYSICS 1135 | Engineering Physics I | 4 |
| PHYS 211 | General Physics II | 5 | PHYSICS 2135 | Engineering Physics II | 4 |
| CHEM 121 or BIOL 101 or BIOL 121 | General Chemistry I or General Biology or General Zoology | 5 | CHEM 1310, 1319 or BIO SCI 1113, 1219 or BIO SCI 2353, 2359 | General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) or Zoology (3) and Lab (1) <small>Satisfies science lecture/lab requirement.</small> | 4 |
| Total Hours | | | 25 | | |

Total Hours 25

Total Hours 20

Engineering/Science Electives

Select up to 6 hours in engineering/science electives not already used to satisfy another degree requirement. See Approved Science and Engineering Electives at <https://cs.mst.edu/undergraduate-degree/>

| | | | | | |
|-------------|--|---|-----------|--|---|
| MATH 272 | Analytic Geometry and Calculus III Or other math 2000-level or higher or Any statistics 4000-level or higher | 5 | MATH 2222 | Calculus III Or other math 2000-level or higher or Any statistics 4000-level or higher | 4 |
| | Any biology, chemistry, geology, or environmental science. | 3 | | Any biology, chemistry, geology, or environmental science. | 3 |
| | Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145. | 3 | | Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145. | 3 |
| Total Hours | | | 6 | | |

Total Hours 6

Total Hours 6

Social Sciences (Select 9 credit hours to include one course to satisfy state requirement)

| | | | | | |
|---|--|---|---|---|---|
| HIST 122 or HIST 111 or HIST 112 or GOVT 121 | World Civilization since the Renaissance or American History to 1877 or American History since 1877 or National and State Government <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 |
| ECON 212 or ECON 211 | Principles of Microeconomics or Principles of Macroeconomics | 3 | ECON 1100 or ECON 1200 | Principles of Microeconomics or Principles of Macroeconomics (or upper-level economics) | 3 |
| PSYC 111 | General Psychology | 3 | PSYCH 1101 | General Psychology (or upper-level psychology) | 3 |
| ACCT 111 | Accounting I | 4 | BUS 1210 | Financial Accounting <small>(or other approved business course; see Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/)</small> | 3 |
| | Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/ | 3 | | Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/ | 3 |
| Total Hours | | | 9 | | |

Total Hours 9

Total Hours 9

Humanities and Ethics

(Select one humanities and one ethics course)

| | | | | | |
|--|--|---|--|--|---|
| PHIL 200 | Intro to Philosophy | 3 | PHILOS 1105 | Self and World: Intro to Philosophy | 3 |
| ARTS 123 or ARTS 110 | History and Appreciation of Art or Intro to Art | 3 | ART 1185 | Study of Film | 3 |
| MUSC 123 | History and Appreciation of Music | 3 | MUS 1150 | Music Understanding and Appreciation | 3 |
| THEA 120 | History and Appreciation of Theatre | 3 | THEATRE 1190 | Theatre via Video | 3 |
| ENGL 231 or ENGL 241 or ENGL 221 | English Literature to 1798 or American Literature to 1870 or World Literature to 1600 <small>(or other literature elective)</small> | 3 | ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 | British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I <small>(or other literature elective)</small> | 3 |
| Foreign Language | Any foreign language | 3 | Foreign Language | Any foreign language | 3 |
| | Other humanities elective from the list of approved courses. | 3 | | Other humanities elective from the list of approved courses. | 3 |
| Total Hours | | | 6 | | |

Total Hours 6

Total Hours 6

Additional Degree Requirements

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

| | | | |
|------------------------|---|------------------------|---|
| Maximum Free Electives | 8 | Maximum Free Electives | 8 |
|------------------------|---|------------------------|---|

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

68

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.