

Johnson County Community College — Missouri S&T

Environmental Science BS with Secondary Education Teacher Certification in Earth Science

Transfer Guide Effective as of Fall 2025

Johnson County Community College

Missouri S&T

Communication Skills

Take all courses.

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|-------------------------|--|-------------|---------------------------------|--|---|-------------|---|
| ENGL 121 | Composition I | 3 | ENGLISH 1120 | Exposition and Argumentation | 3 | | |
| ENGL 122 or ENGL 123 | Composition II or Technical Writing I | 3 | ENGLISH 1160 or ENGLISH 3560 | Writing and Research or Technical Writing | 3 | | |
| | | Total Hours | 6 | | | Total Hours | 6 |

Humanities and Social Sciences

Take all courses.

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|--|--|-------------|---|---|---|-------------|----|
| PSYC 130 | Intro to Psychology | 3 | PSYCH 1101 | General Psychology | 3 | | |
| HIST 125 or HIST 151 or HIST 126 or HIST 140 or HIST 141 | Western Civ: Ancient World to the Renaissance or World History: Traditional or Western Civ: Scientific Revolution to Modern Age or U.S. History to 1877 or U.S. History Since 1877 | 3 | HISTORY 1100 or HISTORY 1200 or HISTORY 1300 or HISTORY 1310 | Early Western Civilization or Modern Western Civilization or American History to 1877 or American History since 1877 | 3 | | |
| ECON 231 | Principles of Microeconomics | 3 | ECON 1100 | Principles of Microeconomics | 3 | | |
| PHIL 143 | 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.

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|--------------------------|---|-------------|---------------------------------|--|---|-------------|----|
| MATH 241 and MATH 242 | Calculus I and Calculus II Both JCCC MATH 241 and 242 are required to receive credit for S&T MATH 1214 or 1215. | 10 | MATH 1214 or MATH 1215 | Calculus I or Calculus II Both JCCC MATH 241 and 242 are required to receive credit for S&T MATH 1214 or 1215. | 4 | | |
| CHEM 124, 125 | General Chemistry I and Lab | 5 | CHEM 1310, 1319 | General Chemistry I and Lab | 5 | | |
| CHEM 131, 132 | General Chemistry II and Lab | 5 | CHEM 1320, 1510* | General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not an S&T degree requirement. Will transfer as general credit. | 3 | | |
| EVNR 130 | Environmental Science | 3 | BIO SCI 1173 | Intro to Environmental Sciences | 3 | | |
| PHYS 130 or PHYS 220 | College Physics I or Engineering Physics I | 5 | PHYSICS 1145 or PHYSICS 1135 | College Physics I or Engineering Physics I | 4 | | |
| | | Total Hours | 28 | | | Total Hours | 19 |

Teacher Certification Requirements

Take all courses.

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|-------------|--------------------------|---|----------------------------|--------------------------------|---|
| EDUC 121 | Introduction to Teaching | 3 | EDUC 1074 | Education in a Diverse Society | 3 |
| PSYC 225 | Educational Psychology | 3 | EDUC 2102 or PSYCH 2300 | Educational Psychology | 1 |
| PSYC 215 | Child Development | 3 | PSYCH 3310 | Developmental Psychology | 3 |
| Total Hours | | | | | 7 |

Major/Additional Requirements

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

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|----------|------------------|---|--------------------|------------------------------------|---|
| BIOL 205 | General Genetics | 3 | BIO SCI 2223 | General Genetics | 3 |
| GEOS 130 | General Geology | 5 | GEOLOGY 1110 | Physical and Environmental Geology | 3 |
| ASTR 122 | Astronomy | 4 | PHYSICS 1505, 1509 | Introductory Astronomy and Lab | 4 |

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.