

Crowder College — Missouri S&T

Chemistry BS Transfer Guide

Effective as of Fall 2023

Crowder College

Missouri S&T

Communication Skills (Take all courses)

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|-------------------------|--|---|---------------------------------|--|---|
| ENGL 101 | English Composition | 3 | ENGLISH 1120 | Exposition and Argumentation | 3 |
| ENGL 102 or ENGL 203 | Advanced Englished Compoaiton or Technical Report Writing | 3 | ENGLISH 1160 or ENGLISH 3560 | Writing and Research or Technical Writing | 3 |
| COMM 104 | Fundamentals of Speech (if required for AA degree) | 3 | SPMS 1185 | Principles of Speech (Not required for the S&T degree. Applies to S&T degree as Free Elective) | 3 |
| Total Hours 9 | | | Total Hours 9 | | |

Mathematics and Science (Take all courses)

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|----------------|--------------------------|---|-----------------|--|---|
| MATH 150,160 | Calculus I Part I and II | 5 | MATH 1214 | Calculus I | 4 |
| MATH 201 | Calculus II | 5 | MATH 1215 | Calculus II | 4 |
| MATH 202 | Calculus III | 5 | MATH 2222 | Calculus III | 4 |
| CHEM 111 | General Chemistry I | 5 | CHEM 1310, 1319 | General Chemistry I and Lab | 5 |
| CHEM 112 | General Chemistry II | 5 | CHEM 1320,1510 | General Chemistry II and Qualitatve Analysis | 5 |
| PHYS 190 | General Physics I | 5 | PHYSICS 1135 | Engineering Physics I | 4 |
| PHYS 210 | General Physics II | 5 | PHYSICS 2135 | Engineering Physics II | 4 |
| Total Hours 35 | | | Total Hours 30 | | |

Social Sciences (Select up to 6 credit hours to include one course to satisfy state requirement)

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|---|---|---|---|--|---|
| HIST 102 or HIST 106 or HIST 107 or PLSC 103 | Western Civilization II or U.S. History I or U.S. History II or National, State, Local Government (At least one of these courses is required to satisfy state | 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 |
| ECON 202 or ECON 201 | Principles of Economics II (Micro) or Principles of Economics I (Macro) or other economics course | 3 | ECON 1100 or ECON 1200 | Principles of Microeconomics or Principles of Macroeconomics or other economics course | 3 |
| PSYC 101 | General Psychology or other psychology course | 3 | PSYCH 1101 | General Psychology or other psychology course | 3 |
| | Other economics, history, political science, sociology, psychology elective. | 3 | | Other economics, history, political science, sociology, psychology elective. | 3 |
| Total Hours 6 | | | Total Hours 6 | | |

Humanities (Select 6 hours)

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|---|--|---|--|---|---|
| ENGL 240 or ENGL 230 or ENGL 222 or | British Literature I or Survey of American Litrerature I or World Literature I (or other literature elective) | 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 (or other literature elective) | 3 |
| ART 101 or MUSC 101 or TA 205 | Art Appreciation or Music Appreciation or Intro to Theatre | 3 | ART 1180 or MUSIC 1150 or THEATRE 1190 | Art Appreciation (or other art) or Music Appreciation (or other music) or Theatre via Video (or other theatre) | 3 |
| PHIL 101 | Intro to Western Philosophy | 3 | PHILOS 1105 | Intro to Philosophy (or other philosophy) | 3 |
| | Other fine art, literature, or philosophy elective | 3 | | Other fine art, literature, or philosophy elective | 3 |
| Total Hours 6 | | | Total Hours 6 | | |

Additional Degree Requirements

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

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|----------|---------------------------|---|---------------|------------------------------|---|
| COMP 111 | Intro to Computer Science | 3 | CS 1971, 1981 | Intro to Programming Methods | 3 |
|----------|---------------------------|---|---------------|------------------------------|---|

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.