

Crowder College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification

Transfer Guide Effective as of Fall 2025

Crowder College

Missouri S&T

Communication Skills

Take all courses.

| | | | | | |
|-------------------------|---|-------------|---------------------------------|--|---|
| ENGL 101 | English Composition | 3 | ENGLISH 1120 | Exposition and Argumentation | 3 |
| ENGL 102 or ENGL 203 | Advanced Englished Composition or Technical Report Writing | 3 | ENGLISH 1160 or ENGLISH 3560 | Writing and Research or Technical Writing | 3 |
| COMM 104 | Fundamentals of Speech | 3 | SPMS 1185 | Principles of Speech | 3 |
| | | Total Hours | 9 | | |
| | | | | Total Hours | 9 |

Social Sciences

Take all courses.

| | | | | | |
|----------|-----------------------------------|-------------|--------------|---------------------|---|
| PLSC 103 | National, State, Local Government | 3 | POL SCI 1200 | American Government | 3 |
| PSYC 101 | General Psychology | 3 | PSYCH 1101 | General Psychology | 3 |
| | | Total Hours | 6 | | |
| | | | | Total Hours | 6 |

Humanities

Select 9 hours to include at least one course in each of the following areas: fine arts (art, music, or theatre), philosophy, literature.

| | | | | | |
|--|---|-------------|--|---|---|
| ART 101 or MUSC 101 or TA 205 | Art Appreciation or Music Appreciation or Intro to Theatre or other fine art | 3 | ART 1180 or MUSIC 1150 or THEATRE 1190 | Art Appreciation or Music Appreciation or Theatre via Video or other fine art | 3 |
| PHIL 101 or PHIL 201 | Intro to Western Philosophy or Logic or other philosophy | 3 | PHILOS 1105 or PHILOS 1115 | Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or other philosophy | 3 |
| ENGL 240 or ENGL 230 or ENGL 222 | British Literature I or Survey of American Literature I or World Literature I or other literature | 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 | 3 |
| | | Total Hours | 9 | | |
| | | | | Total Hours | 9 |

Mathematics and Sciences

Take all courses.

| | | | | | |
|----------|-------------------------------------|-------------|--------------------|--|----|
| MATH 100 | Intermediate Algebra or higher math | 3 | MATH 1103 | Fundamentals of Algebra or higher math | 3 |
| 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 (3) and Qualitative Analysis (2) *CHEM 1510 is not an S&T degree requirement. Will transfer as general credit. | 3 |
| BIOL 101 | General Biology | 4 | BIO SCI 1113, 1219 | General Biology and Lab | 4 |
| | | Total Hours | 17 | | |
| | | | | Total Hours | 15 |

Additional Degree Requirements

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

| | | | | | |
|--|---|---|---|--|---|
| PHYS 105 | Descriptive Astronomy | 3 | PHYSICS 1505 | Astronomy (3) Satisfies a 3-hour science requirement. Any additional credits apply to degree totals as general elective credit. | 3 |
| GEOL 115 | Intro to Geology | 4 | GEOLOGY 1110 | Physical and Environmental Geology | 3 |
| HIST 101 | Western Civilization I | 3 | HISTORY 1100 | Early Western Civilization | 3 |
| HIST 102 | Western Civilization II | 3 | HISTORY 1200 | Modern Western Civilization | 3 |
| MATH 130 or BSAD 236 or COMP 111 | Elementary Statistics or Business Statistics or Intro to Computer Science Or other statistics or computer class. Statistics preferred; computer class is acceptable. | 3 | STAT 1115 or STAT 1115 or CS 1971, 1981 | Statistics for Social Sciences I or Statistics for Social Sciences I or Intro to Programming Method and Lab Or other statistics or computer class. Statistics preferred; computer class is acceptable. Satisfies a 3-hour computer science/statistics requirement. Any additional credit hours apply to degree totals as general elective credit. | 3 |

Teacher Certification Requirements

Take all courses.

| | | | | | |
|----------|---|-------------|----------------------------|--|----|
| EDUC 125 | Intro to Education | 3 | EDUC 1074 | Education in a Diverse Society | 3 |
| EDUC 251 | Teaching Profession with Field Experience | 3 | EDUC 1104 | Teacher Field Experience I | 1 |
| EDUC 231 | Educational Psychology | 3 | EDUC 2102 or PSYCH 2300 | Educational Psychology | 3 |
| PSYC 211 | Lifespan Development | 3 | PSYCH 3310 | Developmental Psychology | 3 |
| EDUC 240 | Education of Exceptional Learners | 3 | EDUC 2310 or PSYCH 4310 | Education of the Exceptional Child or Psychology of the Exceptional Child | 3 |
| | | Total Hours | 15 | | |
| | | | | Total Hours | 13 |

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.

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Missouri S&T residency requirements: The last 60 hours of any Missouri S&T degree must be completed at Missouri S&T.

must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree.

required to complete all courses on this guide before transferring to Missouri S&T.

Students

Students are not