

Moberly Area Community College — Missouri S&T

Chemistry BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2020

Moberly Area Community College

Missouri S&T

Communication Skills (Take all courses)

| | | | | | |
|-------------|-----------------|---|--------------|------------------------------|---|
| LAL 101 | Composition I | 3 | ENGLISH 1120 | Exposition and Argumentation | 3 |
| LAL 102 | Composition II | 3 | ENGLISH 1160 | Writing and Research | 3 |
| SPK 101 | Public Speaking | 3 | SPMS 1185 | Principles of Speech | 3 |
| Total Hours | | | Total Hours | | |
| 9 | | | 9 | | |

Social Sciences (Take all courses)

| | | | | | |
|-------------|------------------------------|---|-----------------|-----------------------------|---|
| HST 105 or | American History to 1865 or | 3 | HISTORY 1300 or | American History to 1877 or | 3 |
| HST 106 | American History from 1865 | | HISTORY 1310 | American History since 1877 | |
| PCS 105 | Intro to American Government | 3 | POL SCI 1200 | American Government | 3 |
| PSY 101 | General Psychology | 3 | PSYCH 1101 | General Psychology | 3 |
| Total Hours | | | Total Hours | | |
| 9 | | | 9 | | |

Humanities (Take all courses)

| | | | | | |
|-------------|--|---|-----------------|--------------------------------------|---|
| ART 101 or | Art Survey and Appreciation I or | 3 | ART 1180 or | Art Appreciation or | 3 |
| ART 102 or | Art Survey and Appreciation II or | | MUSIC 1150 or | Music Appreciation or | |
| MUS 101 or | Fundamentals of Music or | | THEATRE 1190 | Theatre via Video | |
| MUS 102 or | Music Appreciation or | | | | |
| DRM 120 | Theatre Appreciation | | | | |
| PHI 150 | Introduction to Philosophy | 3 | PHILOS 1105 | Intro to Philosophy | 3 |
| LAL 120 or | American Lit Survey to 1870 or | 3 | ENGLISH 1221 or | American Literature: 1600 to 1865 or | 3 |
| LAL 121 | American Lit Survey from 1870 to Present | | ENGLISH 1222 | American Literature 1865 to Present | |
| Total Hours | | | Total Hours | | |
| 9 | | | 9 | | |

Mathematics and Sciences (Take all courses)

| | | | | | |
|-------------|-----------------------------------|-----|--------------------|---|---|
| MTH 201 | Analytic Geometry and Calculus I | 5 | MATH 1214 | Calculus for Engineers I | 4 |
| MTH 202 | Analytic Geometry and Calculus II | 5 | MATH 1215 | Calculus for Engineers II | 4 |
| PHY 121 | General Chemistry I | 5 | CHEM 1310, 1319 | General Chemistry I and Lab | 5 |
| PHY 122 | General Chemistry II | 5 | CHEM 1320, 1510 | General Chemistry II and Qualitative Analysis | 5 |
| BIO 101 | Biology (5) | 4-5 | BIO SCI 1113,1219* | General Biology (3) and Lab* (2) | 3 |
| Total Hours | | | Total Hours | | |
| 24 | | | 21 | | |

*Note: BIO SCI 1219 is not an S&T degree requirement; course transfers as elective credit.

Additional Degree Requirements (Select up to 16 hours)

| | | | | | |
|-------------|------------------------------|---|-----------------|-----------------------------|---|
| PHY 201 | Engineering Physics I | 5 | PHYSICS 1135 | Engineering Physics I | 4 |
| PHY 202 | Engineering Physics II | 5 | PHYSICS 2135 | Engineering Physics II | 4 |
| PHY 222 | Elementary Organic Chemistry | 5 | CHEM 2210, 2219 | Organic Chemistry I and Lab | 5 |
| Total Hours | | | Total Hours | | |
| 15 | | | 13 | | |

Teacher Certification Requirements (Take all courses)

| | | | | | |
|-------------|---|---|---------------------------|-------------------------------------|---|
| EDU 220 | Foundations of Education in a Diverse Society | 3 | EDUC 1040 | Perspectives in Education | 2 |
| EDU 245 | Educational Psychology | 3 | PSYCH 2300 (EDUC 2102) | Educational Psychology | 3 |
| PSY 205 | Human Lifespan Development | 3 | PSYCH 3310 | Developmental Psychology | 3 |
| EDU 242 | Educational of Exceptional Learners | 3 | PSYCH 4310 | Psychology of the Exceptional Child | 3 |
| Total Hours | | | Total Hours | | |
| 12 | | | 11 | | |

***Teacher certification notes:** An ACT of 22 or a 220 on the MoGEA is required for professional standing in the department. Students must pass the MoCA, maintain a 2.75 cumulative GPA, and a 3.0 content GPA to qualify for student teaching. Students completing this program will earn a BA in Chemistry.

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

75

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.