

Crowder College — Missouri S&T

Chemistry BA with Secondary Education Teacher Certification

Transfer Guide Effective as of Fall 2026

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

Crowder College

Missouri S&T

Communication Skills

Take all courses.

Take in Courses:					
ENGL 101	English Composition	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or ENGL 203	Advanced English Composition or Technical Report Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
		Total Hours	6	Total Hours	6

Social Sciences

Take all courses.

HIST 101	Western Civilization I	3	HISTORY 1100	Early Western Civilization	3
HIST 102	Western Civilization II	3	HISTORY 1200	Modern Western Civilization	3
ECON 202 or	Principles of Microeconomics or	3	ECON 1100 or	Principles of Microeconomics or	3
ECON 201 or	Principles of Macroeconomics or		ECON 1200 or	Principles of Macroeconomics or	
PLSC 103	National, State, Local Government		POL SCI 1200	American Government	
PSYC 101	General Psychology	3	PSYCH 1101	General Psychology	3
		Total Hours	12		
				Total Hours	12

Humanities

Take all courses.

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 Music Appreciation or Theatre via Video	3
PHIL 101	Intro to Western Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
ENGL 230 or ENGL 235	American Literature I or American Literature II	3	ENGLISH 1221 or ENGLISH 1222	American Literature: 1600 to 1865 or American Literature 1865 to Present	3
		Total Hours 9			Total Hours 9

Mathematics and Sciences

Take all courses.

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
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 Qualitative Analysis	5
BIOL 101	General Biology	4	BIO SCI 1113, 1219*	General Biology (3) and Lab* (1) *The lab is not a degree requirement. Will transfer as general elective credit.	3
		Total Hours	24		
				Total Hours	21

Additional Degree Requirements

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

PHYS 105 or GEOL 115	Descriptive Astronomy or Geology	3	PHYSICS 1505 or GEOLOGY 1110	Introductory Astronomy or Physical and Environmental Geology	3
PHYS 190	General Physics I	5	PHYSICS 1135	Engineering Physics I	4

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.

61

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.