

Crowder College — Missouri S&T

Physics BS Transfer Guide

Effective as of Fall 2023

Crowder College

Missouri S&T

Communication Skills (Take all courses)

ENGL 101	English Composition	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102	Advanced English Composition	3	ENGLISH 1160	Writing and Research	3
		Total Hours	6		
				Total Hours	6

Mathematics and Science (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
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	General Chemistry II	3
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	28

Social Sciences

Select 9 hours to include at least one course to satisfy the state requirement.

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 requirement)	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)*	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics (or other economics)	3
PSYC 101	General Psychology or other psychology course	3	PSYCH 1101	General Psychology (or other psychology)	3
	Social Sciences Elective: Any economics, history, political science, sociology, psychology elective	3	Social Sciences	Social Sciences Elective: Any economics, history, political science, sociology, psychology elective	3
		Total Hours	9		
				Total Hours	9

Humanities

Select 6 credit hours to include at least one literature.

PHIL 101	Intro to Western Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy (or other philosophy)	3
ART 101	Art Appreciation	3	ART 118	Art Appreciation (or other fine art)	3
MUSC 101	Music Appreciation	3	MUS 1150	Music Understanding and Appreciation (or other music)	3
TA 205	Intro to Theatre	3	THEATRE 1190	Theatre via Video (or other theater)	3
ENGL 240 or ENGL 230 or ENGL 222 or	British Literature I or Survey of American Literature 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
	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.

MATH 210	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
COMP 111	Intro to Computer Science	4	CS 1500	Computational Problem Solving	3
	Maximum Free Electives	6		Maximum Free Electives	6

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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2023. Further information or updates are available from Missouri S&T Transfer Admissions at transfer@mst.edu, transfer@mst.edu, or 800-522-0938.