

# Crowder College — Missouri S&T

## Physics BS

Transfer Guide Effective as of Fall 2025

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.

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

#### 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, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.	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

#### Humanities, Arts, and Social Sciences General Education Requirements

From the options listed in each group below, select 15 hours to include  
6 hours Humanities and Fine Arts from at least two specific disciplines and  
6 hours Behavioral and Social Sciences from at least two specific disciplines.

\*At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.

#### Humanities and Fine Arts

Select 6 hours from at least two specific disciplines and at least one literature course.

ENGL 240 or ENGL 245 or ENGL 230 or ENGL 235 or ENGL 222	British Literature I or British Literature II or Survey of American Literature I or Survey of American Literature II or World Literature I	3	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature	3
HIST 106* or HIST 107* or ART 101 or MUSC 101 or TA 205	U.S. History I* or U.S. History II* or Art Appreciation or Music Appreciation or Intro to Theatre	3	HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1190	American History to 1877 or American History Since 1877 or Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3

\*Satisfies the State of Missouri government requirement.

#### Behavioral and Social Sciences

Select 6 hours from at least two specific disciplines.

HIST 101 or HIST 102* or GEOG 111 or PHL 101 or PHL 201 or PLSC 103* or PSYC 101 or ECON 202 or ECON 201 or Foreign Language	Western Civilization I or Western Civilization II* or World Regional Geography or Intro to Western Philosophy or Logic or National, State, Local Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language	6	HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* or World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language	6
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\*Satisfies the State of Missouri government requirement.

#### Humanities, Arts, and Social Sciences

Select 3 hours.

HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3	HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3	
		Total Hours	15		Total Hours	15

#### 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
Electives	Maximum Free Electives	6	Electives	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 2025.  
Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.