

# Crowder College — Missouri S&T

## Physics BS

Transfer Guide Effective as of Fall 2024

### 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, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*CHEM 1510 is not an S&amp;T degree requirement. Will transfer as general credit.</small>	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 <small>At least one of these courses is required to satisfy state requirement.</small>	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 <small>At least one of these courses is required to satisfy state requirement.</small>	3
ECON 202 or ECON 201	Principles of Microeconomics or Principles of Macroeconomics or other economics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics or other economics	3
PSYC 101	General Psychology or other psychology	3	PSYCH 1101	General Psychology or other psychology	3
Social Science	Any economics, history, political science, sociology, or psychology.	3	Social Science	Any economics, history, political science, sociology, or psychology.	3
		Total Hours			9
				Total Hours	9

#### Humanities

Select 6 credit hours to include at least one literature.

PHIL 101	Intro to Western Philosophy or other philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy or other philosophy	3
ART 101	Art Appreciation or other fine art	3	ART 118	Art Appreciation or other fine art	3
MUSC 101	Music Appreciation or other music	3	MUS 1150	Music Understanding and Appreciation or other music	3
TA 205	Intro to Theatre or other theater	3	THEATRE 1190	Theatre via Video or other theater	3
ENGL 240 or ENGL 230 or ENGL 222 or Humanities	British Literature I or Survey of American Literature I or World Literature I or other literature Other fine art, literature, or philosophy.	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 Humanities	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or other literature Other fine art, literature, or philosophy.	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
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.