

Moberly Area Community College — Missouri S&T

Physics BS Transfer Guide

Effective as of Fall 2017

Partner School

Missouri S&T

Communication Skills (Take all courses)

LAL 101	English I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102	Exposition	3	ENGLISH 1160	Writing and Research	3
SPK 101	Public Speaking <small>(Required for AA degree)</small>	3	SPMS 1185	Principles of Speech <small>(Not required for S&T degree. Transfers as free elective)</small>	3
Total Hours					9
Total Hours					9

Mathematics and Science (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
MTH 203	Analytic Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHY 121	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHY 122	General Chemistry II	5	CHEM 1320	General Chemistry II	3
PHY 201	College Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHY 202	College Physics II	5	PHYSICS 2135	Engineering Physics II	4
Total Hours					35
Total Hours					28

Social Sciences (Select 9 hours)

HST 102 or HST 105 or HST 106 or PSC 103 or PSC 105	Western Civilization II or American History to 1865 or American History from 1865 or American Government or Functions & Policies of American 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
<i>See your advisor for course options</i>			Social Sciences	Social Sciences Elective: Any economics, history, political science, sociology, psychology elective	6
Total Hours					9
Total Hours					9

Humanities (Select 6 credit hours to include one literature and one additional humanities)

<i>See your advisor for course options</i>				Literature Elective (required)	3
PHI 151	Introduction to Logic	3	PHILOS 1115	Intro to Logic (preferred)	3
PHI 150	Introduction to Philosophy	3	PHILOS 1105	Introduction to Philosophy	3
<i>See your advisor for course options</i>				Other fine art, literature, or philosophy elective	6
Total Hours					6
Total Hours					6

Additional Degree Requirements (Select up to 12 hours)

MTH 250	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
CIT 205	Programming II	3	CS 1971, 1981 or CS 1570, 1580	Intro to Programming Method and Lab (C++) or Intro to Programming and Lab (C++)	3
BIO 101	Biology <small>(Required for AA degree)</small>	4	BIO SCI 1113	General Biology <small>(Transfers as required free elective)</small>	3
Total Hours					12
Total Hours					12

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

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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.