

Moberly Area Community College — Missouri S&T

Data Science BS

Transfer Guide Effective as of Fall 2026

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

Moberly Area Community College

Missouri S&T

English and Communication Skills

Take all courses.

LAL 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102 or SPK 101	Composition II or Public Speaking I	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
		Total Hours			Total Hours
		6			6

Mathematics, Statistics, and Computer Science

Take all courses.

MTH 201	Analytic Geometry and Calculus I	5	MATH 1214	Calculus I	4
MTH 202	Analytic Geometry and Calculus II	5	MATH 1215	Calculus II	4
MTH 203	Analytic Geometry and Calculus III	5	MATH 2222	Calculus III	4
MTH 250	Differential Equations	3	MATH 3304	Elementary Differential Equations *Applies to degree as Data Science elective.	3
ITC 125 or ITC 244 or TC 220*	Object Oriented Programming I or Object Oriented Programming : C# or Programming II*	3	COMP SCI 1500* or COMP SCI 1971*	Computational Problem Solving* (preferred) or Intro to Programming Methodology and Lab* *COMP SCI 1500 is preferred; COMP SCI 1971 will be accepted in lieu of COMP SCI 1500 if necessary. COMP SCI 1981 will be waived.	3
		Total Hours			Total Hours
		21			18

Natural Sciences General Education Requirements

Select 7 hours to include at least two specific disciplines and to include at least 1 hour of lab.

PHY 121 or BIO 101 or BIO 155 or BIO 160 or PHY 162	General Chemistry I (5) or Biology (4) or General Biology for Majors I (4) or General Biology for Majors II (4) or General Astronomy (3)	3-5	CHEM 1310, 1319 or BIO SCI 1113, 1219 or BIO SCI 1113, 1219 or BIO SCI 1223, 1229 or PHYSICS 1505	General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) or Principles of Biology (3) and Lab (1) or Biodiversity (3) and Lab (1) or Introductory Astronomy (3) Satisfies the gen ed natural science lecture/lab requirement. Lecture/lab pair must total a minimum of 4 hours.	4
Natural Science	Any Biology (1113 or higher), Chemistry (1301 or higher), Geology (1110 or higher) or Physics (1111 or higher)	3	Natural Science	Any Biology (1113 or higher), Chemistry (1301 or higher), Geology (1110 or higher) or Physics (1111 or higher)	3
		Total Hours			Total Hours
		7			7

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.

LAL 150 or LAL 151 or LAL 120 or LAL 121 or LAL 210 or HST 105* or HST 106* or ART 101 or ART 102 or MUS 101 or MUS 102 or DRM 120 or Literature	English Literature Survey to 1750 or English Literature Survey from 1750 to Present or American Literature Survey to 1870 or American Literature Survey from 1870 to Present or A Survey of World Literature I or American History to 1865* or American History from 1865* or Art Survey and Appreciation I or Art Survey and Appreciation II or Fundamentals of Music or Music Appreciation or Theatre Appreciation or Any literature with prerequisite of no more than English Composition I, *Satisfies the State of Missouri government requirement.	6	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or ART 1180 or MUSIC 1150 or MUSIC 1150 or THEATRE 1190 or Literature	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 I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Art Appreciation or Music Appreciation or Music Appreciation or Theatre via Video or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
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Behavioral and Social Sciences

Select 6 hours from at least two specific disciplines to include either ECON 1100 or 1200.

ECN 102 or ECN 101	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
HST 101 or HST 102* or GEO 101 or PHI 150 or PHI 151 or PSC 105* or PSY 101 or Foreign Language	Western Civilization I or Western Civilization II* or World Geography I or Intro to Philosophy or Intro to Logic or Intro to American Government* or General Psychology or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3	HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or POL SCI 1200* or PSYCH 1101 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 Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3

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 HASS Hours			Total HASS Hours
		15			15

Additional Degree Requirements

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

Technical Electives	Technical electives in biology, business, chemistry, computer science, economics, education, engineering, finance, geology, geophysics, information science and technology, marketing, mechanics, physics, or technical communication approved by advisor.	Technical Electives	Technical electives in biology, business, chemistry, computer science, economics, education, engineering, finance, geology, geophysics, information science and technology, marketing, mechanics, physics, or technical communication approved by advisor.
Electives	Free Electives	Electives	Free Electives

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.