

Culver-Stockton College — Missouri S&T

General Engineering

Transfer Guide Effective as of Fall 2026

Complete Group 1 - Core Requirements and Group 2 - Major Requirements for major of choice.

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

Group 1 - Core Requirements: All Majors Take All Courses

Engineering students take all Group 1 - Core Requirements and Group 2 - Major Requirements for major of choice. Math prerequisites: While they are not part of Missouri S&T engineering degree requirements, algebra and trigonometry skills are critical to success in calculus. To prepare for entry into calculus, students should follow math placement testing and advising recommendations at their college.

Culver-Stockton College			Semester	Missouri S&T		
MAT 120	Calculus	4		MATH 1214	Calculus I	Grade of C or better is required. 4
MAT 210	Calculus II	4		MATH 1215	Calculus II	Grade of C or better is required. 4
MAT 220	Calculus III	4		MATH 2222	Calculus III	Grade of C or better is required. 4
MAT 320	Differential Equations	3		MATH 3304	Elementary Differential Equations	3
ENG 101	Composition I	3		ENGLISH 1120	Exposition and Argumentation	3
		Total Hours	18			Total Hours 18

Group 2 - Major Requirements: Take All Courses for Major of Choice

Engineering students take all Group 1 - Core Requirements (above) and Group 2 - Major Requirements for chosen major from list below. See course requirements on following pages.

Aerospace Engineering
Architectural Engineering
Biomedical Engineering - Biomanufacturing
Biomedical Engineering - Biomaterials
Ceramic Engineering
Chemical Engineering and Biochemistry Emphasis
Civil Engineering
Computer Engineering
Electrical Engineering

Engineering Management
Environmental Engineering
Geological Engineering
Mechanical Engineering
Metallurgical Engineering
Mining Engineering
Nuclear Engineering
Petroleum Engineering
Semiconductor Engineering

Engineering Major Requirements are detailed on the following pages.

Free Electives: Some programs allow Free Electives as indicated within each major. Free Electives should be selected in consultation with your advisor and may not include remedial/deficiency courses, algebra, trigonometry, pre-calculus, or extra credits in required courses.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2026.
Further information or updates are available from Missouri S&T Transfer Admissions at transfer@mst.edu, transfer@mst.edu, or 800-522-0938.

Aerospace Engineering Group 2 Major Requirements

<u>Culver-Stockton College</u>			<u>Semester</u>	<u>Missouri S&T</u>		
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3		ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHE 251	General Chemistry I	4		CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
MAT 325	Linear Algebra	3		MATH 3108	Linear Algebra I Satisfies the Advanced Math/Comp Sci elective requirement.	3
Ethics	Ethics Elective Any engineering, business, bio, social ethics approved by advisor.	3		Ethics	Ethics Elective Any engineering, business, bio, social ethics approved by advisor.	3
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.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6		HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
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
No free electives applied to the degree.		0		Maximum Free Electives		0
Group 2 Major Requirements		28		Group 2 Major Requirements		29
Group 1 Core Requirements		18		Group 1 Core Requirements		18
Total Hours		46				Total Hours*
						47
*S&T advisor permission is required to transfer more than 68 credits toward the S&T Aerospace Engineering degree.						

Architectural Engineering Group 2 Major Requirements

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&T</u>			
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3	
CHE 251	General Chemistry I	4	CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5	
NAS 204	Survey of Geology	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3	
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 9 hours to include 3 hours Humanities and Fine Arts 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 3 hours.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* or Any literature with prerequisite of no more than English Composition I. *Satisfies the State of Missouri government requirement.	3	ENGLISH 1211 or ENGLISH 1212 or HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	3	
Behavioral and Social Sciences Select 3 hours.						
PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3	PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics 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	
<i>No free electives applied to the degree.</i>		0	Maximum Free Electives		0	
Group 2 Major Requirements		19	Group 2 Major Requirements		20	
Group 1 Core Requirements		18	Group 1 Core Requirements		18	
Total Hours		37			Total Hours*	38
*S&T advisor permission is required to transfer more than 69 credits toward the S&T Architectural Engineering degree.						

Biomedical Engineering-Biomanufacturing Group 2 Major Requirements

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&T</u>			
COM 115	Fundamentals of Speech	3	SP&MS 1185	Principles of Speech Applies to degree as Gen Ed Communication requirement.	3	
CHE 251	General Chemistry I	4	CHEM 1310, 1319	General Chemistry I and Lab	5	
CHE 252	General Chemistry II	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis* (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3	
CHE 301	Organic Chemistry I	4	CHEM 2210, 2219	Organic Chemistry I and Lab	4	
CHE 301	Organic Chemistry II	4	CHEM 2220, 2229	Organic Chemistry II and Lab Applies to degree as Track Elective.	4	
BIO 110	Biology: Molecules and Cells	3	BIO SCI 1113*, 1219*	General Biology* and Lab* *Applies to degree as Track Elective (Non-engineering).	4	
MIS 215	Computer Programming in Python	3	COMP SCI 1500	Computational Problem Solving	3	
Humanities, Arts, and Social Sciences General Education Requirements						
From the options listed in each group below, select 9 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 3 hours Behavioral and Social Sciences.						
*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.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6	
Behavioral and Social Sciences						
Select 3 hours.						
GEO 201 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3	HISTORY 2110 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3	
No free electives applied to the degree.		0	Maximum Free Electives		0	
Group 2 Major Requirements		34	Group 2 Major Requirements		35	
Group 1 Core Requirements		18	Group 1 Core Requirements		18	
Total Hours		52			Total Hours*	53
*S&T advisor permission is required to transfer more than 69 credit hours toward the degree.						

Biomedical Engineering-Biomaterials Group 2 Major Requirements

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
COM 115	Fundamentals of Speech	3	SP&MS 1185	Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHE 251	General Chemistry I	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CHE 252	General Chemistry II	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
CHE 301	Organic Chemistry I	4	CHEM 2210, 2219*	Organic Chemistry I and Lab* *CHEM 2219 Lab applies to the degree as a Track Elective (non-engineering).	4
CHE 301	Organic Chemistry II	4	CHEM 2220, 2229*	Organic Chemistry II and Lab* CHEM 2229 Lab applies to the degree as a Track Elective (non-engineering).	4
BIO 110	Biology: Molecules and Cells	3	BIO SCI 1113*, 1219*	General Biology* and Lab* *Applies to degree as Track Elective (Non-engineering).	4
MIS 215	Computer Programming in Python	3	COMP SCI 1500	Computational Problem Solving	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 9 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 3 hours Behavioral and Social Sciences. *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.					
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
Behavioral and Social Sciences Select 3 hours.					
GEO 201 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3	HISTORY 2110 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3
No free electives applied to the degree.		0	Maximum Free Electives		0
Group 2 Major Requirements		34	Group 2 Major Requirements		35
Group 1 Core Requirements		18	Group 1 Core Requirements		18
Total Hours		52			Total Hours* 53
*S&T advisor permission is required to transfer more than 69 credits toward the S&T Biomedical Engineering degree.					

Ceramic Engineering Group 2 Major Requirements

Culver-Stockton College			Semester	Missouri S&T		
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3		ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHE 251	General Chemistry I	4		CHEM 1310, 1319	General Chemistry I and Lab	5
CHE 252	General Chemistry II	4		CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
MIS 215	Computer Programming in Python	3		COMP SCI 1500	Computational Problem Solving	3
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.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
Behavioral and Social Sciences						
Select 6 hours from at least two specific disciplines.						
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6		HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
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
No free electives applied to the degree.		0		Maximum Free Electives		0
Group 2 Major Requirements		29		Group 2 Major Requirements		29
Group 1 Core Requirements		18		Group 1 Core Requirements		18
Total Hours		47				Total Hours* 47
*S&T advisor permission is required to transfer more than 68 credits toward the S&T Ceramic Engineering degree.						

**Chemical Engineering or
Chemical Engineering - Biochemical Engineering Emphasis
Group 2 Major Requirements**

Culver-Stockton College			Semester	Missouri S&T	
COM 115	Fundamentals of Speech	3	SP&MS 1185	Principles of Speech	3
CHE 251	General Chemistry I	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CHE 252	General Chemistry II	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis* (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
CHE 301	Organic Chemistry I	4	CHEM 2210, 2219*	Organic Chemistry I and Lab* *CHEM 2210 is a degree requirement. CHEM 2219 applies to the degree as 1 of 9 required science elective credits See note below.	4
CHE 301	Organic Chemistry II	4	CHEM 2220, 2229*	Organic Chemistry II (3) and Lab* (1) CHEM 2220 applies to the degree as required science elective credits. *CHEM 2229 is not a degree requirement; transfers as general elective credit.	3
MIS 215	Computer Programming in Python	3	COMP SCI 1500	Computational Problem Solving	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 12 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.					
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.					
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	34		Group 2 Major Requirements	33
	Group 1 Core Requirements	18		Group 1 Core Requirements	18
	Total Hours	52			Total Hours* 51
*S&T advisor permission is required to transfer more than 68 credits toward the S&T Chemical Engineering degree.					

Civil Engineering Group 2 Major Requirements

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&T</u>			
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3	
CHE 251	General Chemistry I	4	CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5	
NAS 204	Survey of Geology	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3	
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.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6	
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	
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	
No free electives applied to the degree.		0	Maximum Free Electives		0	
Group 2 Major Requirements		25	Group 2 Major Requirements		26	
Group 1 Core Requirements		18	Group 1 Core Requirements		18	
Total Hours		43			Total Hours*	70
*S&T advisor permission is required to transfer more than 69 credits toward the S&T Civil Engineering degree.						

*S&T advisor permission is required to transfer more than 69 credits toward the S&T Civil Engineering degree.

Computer Engineering Group 2 Major Requirements

Culver-Stockton College			Semester	Missouri S&T		
COM 115	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3	Applies to degree as Gen Ed Communication requirement.
CHE 251	General Chemistry I	4	CHEM 1310*, 1319	General Chemistry I and Lab	5	*CHEM 1310 will be substituted for CHEM 1305.
MIS 215	Computer Programming in Python	3	COMP SCI 1500	Computational Problem Solving	3	
CHE 301	Organic Chemistry I	4	CHEM 2210, 2219*	Organic Chemistry I (3) and Lab* (1)	3	CHEM 2210 satisfies a required engineering/science elective. *CHEM 2219 is not a degree requirement; transfers as general elective credit.
MAT 325	Linear Algebra	3	MATH 3108	Linear Algebra	3	Satisfies a required math elective.
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.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6	
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	
Humanities, Arts, and Social Sciences Select 3 hours.						
ENG 202	Composition II	3	ENGLISH 1160	Writing and Research	3	
Electives	Maximum Free Electives	3	Electives	Maximum Free Electives	3	
	Group 2 Major Requirements	35		Group 2 Major Requirements	35	
	Group 1 Core Requirements	18		Group 1 Core Requirements	18	
	Total Hours	53			Total Hours*	53

*S&T advisor permission is required to transfer more than 68 credits toward the S&T Computer Engineering degree.

Electrical Engineering Group 2 Major Requirements

Culver-Stockton College			Semester	Missouri S&T	
COM 115	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
CHE 251	General Chemistry I	4	CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
MIS 215	Computer Programming in Python	3	COMP SCI 1500	Computational Problem Solving	3
CHE 301	Organic Chemistry I	4	CHEM 2210, 2219*	Organic Chemistry I (3) and Lab* (1) CHEM 2210 satisfies a required engineering/science elective. *CHEM 2219 is not a degree requirement; transfers as general elective credit..	3
MAT 325	Linear Algebra	3	MATH 3108	Linear Algebra	3
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.					
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* or Any literature with prerequisite of no more than English Composition I. <i>*Satisfies the State of Missouri government requirement.</i>	6	ENGLISH 1211 or ENGLISH 1212 or HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. <i>*Satisfies the State of Missouri government requirement.</i>	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.					
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language <i>*Satisfies the State of Missouri government requirement.</i>	6	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language <i>*Satisfies the State of Missouri government requirement.</i>	6
Humanities, Arts, and Social Sciences Select 3 hours.					
ENG 202	Composition II	3	ENGLISH 1160	Writing and Research	3
Electives	Maximum Free Electives	6	Electives	Maximum Free Electives	6
	Group 2 Major Requirements	38		Group 2 Major Requirements	38
	Group 1 Core Requirements	18		Group 1 Core Requirements	18
	Total Hours	56		Total Hours*	56
*S&T advisor permission is required to transfer more than 68 credits toward the S&T Electrical Engineering degree.					

Engineering Management Group 2 Major Requirements

<u>Culver-Stockton College</u>			<u>Semester</u>	<u>Missouri S&T</u>	
COM 115	Fundamentals of Speech	3	SPMS 1185	Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHE 251	General Chemistry I	4	CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
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.					
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines to include PSYCH 1101.					
PSY 102	General Psychology	3	PSYCH 1101	General Psychology Required	3
GEO 201 or PHI 101 or POS 205* or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3
Humanities, Arts, and Social Sciences Select 3 hours.					
ENG 202	Composition II	3	ENGLISH 1160	Writing and Research	3
<i>No free electives applied to the degree.</i>		0	Electives	Maximum Free Electives	0
Group 2 Major Requirements		22	Group 2 Major Requirements		23
Group 1 Core Requirements		18	Group 1 Core Requirements		18
Total Hours		40			Total Hours*
				*S&T advisor permission is required to transfer more than 61 credits toward the S&T Engineering Management degree.	

Environmental Engineering Group 2 Major Requirements

<u>Culver-Stockton College</u>			<u>Semester</u>	<u>Missouri S&T</u>		
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3	
NAS 204	Survey of Geology	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3	
CHE 251	General Chemistry I	4	CHEM 1310, 1319	General Chemistry I and Lab	5	
CHE 252	General Chemistry II	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3	
BIO 110	Biology: Molecules and Cells	3	BIO SCI 1113	General Biology	3	
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 12 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, or 1310 to satisfy the State of Missouri government requirement and a degree-specific gen ed requirement.						
Humanities and Fine Arts Select 6 hours from at least two specific disciplines. At least one course in either the HFA or the BSS (below) section must be selected from HISTORY 1200, 1300, or 1310.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6	
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines. At least one course in either the HFA (above) or the BSS section must be selected from HISTORY 1200, 1300, or 1310.						
PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	
<i>No free electives applied to the degree.</i>		0	Maximum Free Electives		0	
Group 2 Major Requirements		29	Group 2 Major Requirements		29	
Group 1 Core Requirements		18	Group 1 Core Requirements		18	
Total Hours		47			Total Hours*	47
*S&T advisor permission is required to transfer more than 69 credits toward the S&T Environmental Engineering degree.						

Geological Engineering Group 2 Major Requirements

<u>Culver-Stockton College</u>			<u>Semester</u>	<u>Missouri S&T</u>	
CHE 251	General Chemistry I	4	CHEM 1310*, 1319	General Chemistry I and Lab	5
NAS 204	Survey of Geology	3	GEO ENG 1150 (GEOLOGY 1110)	*CHEM 1310 will be substituted for CHEM 1305. Physical and Environmental Geology	3
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.					
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
Behavioral and Social Sciences					
Select 6 hours from at least two specific disciplines.					
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government*or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
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
No free electives applied to the degree.		0	Maximum Free Electives		0
Group 2 Major Requirements		22	Group 2 Major Requirements		23
Group 1 Core Requirements		18	Group 1 Core Requirements		18
Total Hours		40			Total Hours*
					64
*S&T advisor permission is required to transfer more than 65 credits toward the S&T Geological Engineering degree.					

Mechanical Engineering Group 2 Major Requirements

Culver-Stockton College		Semester	Missouri S&T			
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3	
CHE 251	General Chemistry I	4	CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5	
MAT 325	Linear Algebra	3	MATH 3108	Linear Algebra I Satisfies the Advanced Math/Statistics elective requirement.	3	
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.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6	
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	
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	
No free electives applied to the degree.		0	Maximum Free Electives		0	
Group 2 Major Requirements		25	Group 2 Major Requirements		26	
Group 1 Core Requirements		18	Group 1 Core Requirements		18	
Total Hours		43			Total Hours*	44
*S&T advisor permission is required to transfer more than 68 credits toward the S&T Mechanical Engineering degree.						

Metallurgical Engineering Group 2 Major Requirements

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
MIS 215	Computer Programming in Python	3	COMP SCI 1500	Computational Problem Solving	3
CHE 251	General Chemistry I	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CHE 252	General Chemistry II	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
CHE 301 or CHE 401	Organic Chemistry I or Physical Chemistry I	4	CHEM 2210 or CHEM 3410	Organic Chemistry I (3) or Chemical Thermodynamics I (3) Not specifically required for the degree but will satisfy out-of-department technical elective requirement	3
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.					
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.					
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
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
<i>No free electives applied to the degree.</i>		3	Maximum Free Electives		0
Group 2 Major Requirements		36	Group 2 Major Requirements		32
Group 1 Core Requirements		18	Group 1 Core Requirements		18
Total Hours		54	Total Hours*		68
*S&T advisor permission is required to transfer more than 68 credits toward the S&T Metallurgical Engineering degree.					

Mining Engineering Group 2 Major Requirements

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&T</u>			
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3	
CHE 251	General Chemistry I	4	CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5	
NAS 204	Survey of Geology	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3	
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 12 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.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH *1120. *Satisfies the State of Missouri government requirement.	6	
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	
<i>No free electives applied to the degree.</i>		0	Maximum Free Electives		0	
Group 2 Major Requirements		22	Group 2 Major Requirements		23	
Group 1 Core Requirements		18	Group 1 Core Requirements		18	
Total Hours		40			Total Hours*	41
*S&T advisor permission is required to transfer more than 68 credits toward the S&T Mining Engineering degree.						

Nuclear Engineering Group 2 Major Requirements

Culver-Stockton College		Semester	Missouri S&T			
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3	
CHE 251	General Chemistry I	4	CHEM 1310, 1319	General Chemistry I and Lab	5	
MAT 325	Linear Algebra	3	MATH 3108	Linear Algebra	3	
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.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6	
Behavioral and Social Sciences						
Select 6 hours from at least two specific disciplines to include either ECON 1100 or 1200.						
ECO 202 or ECO 201	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3	
GEO 201 or PHI 101 or POS 205* or PSY 102 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy 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	
Maximum Free Electives		0	Maximum Free Electives		0	
Group 2 Major Requirements		25	Group 2 Major Requirements		26	
Group 1 Core Requirements		18	Group 1 Core Requirements		18	
Total Hours		43			Total Hours*	44
*S&T advisor permission is required to transfer more than 69 credits toward the S&T Nuclear Engineering degree.						

Petroleum Engineering Group 2 Major Requirements

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&T</u>			
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3	
CHE 251	General Chemistry I	4	CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5	
MIS 215	Computer Programming in Python	3	COMP SCI 1500	Computational Problem Solving	3	
NAS 204	Survey of Geology	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3	
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.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6	
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	
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	
No free electives applied to the degree.		0	Maximum Free Electives		0	
Group 2 Major Requirements		28	Group 2 Major Requirements		29	
Group 1 Core Requirements		18	Group 1 Core Requirements		18	
Total Hours		46			Total Hours*	47
*S&T advisor permission is required to transfer more than 69 credits toward the S&T Petroleum Engineering degree.						

Semiconductor Engineering-Device Engineering Emphasis Group 2 Major Requirements

Culver-Stockton College		Semester	Missouri S&T			
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3	
CHE 251	General Chemistry I	4	CHEM 1310, 1319	General Chemistry I and Lab	5	
CHE 252	General Chemistry II	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3	
MIS 215	Computer Programming in Python	3	COMP SCI 1500	Computational Problem Solving	3	
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.						
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6	
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	
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	
Maximum Free Electives		3	Maximum Free Electives		3	
Group 2 Major Requirements		32	Group 2 Major Requirements		32	
Group 1 Core Requirements		18	Group 1 Core Requirements		18	
Total Hours		50			Total Hours*	50
*S&T advisor permission is required to transfer more than 68 credits toward the S&T Ceramic Engineering degree.						

*S&T advisor permission is required to transfer more than 68 credits toward the S&T Ceramic Engineering degree.

Semiconductor Engineering-Process Engineering Emphasis Group 2 Major Requirements

Culver-Stockton College		Semester	Missouri S&T		
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHE 251	General Chemistry I	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CHE 252	General Chemistry II	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
MIS 215	Computer Programming in Python	3	COMP SCI 1500	Computational Problem Solving	3
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.					
ENG 220 or ENG 222 or HIS 107* or HIS 108* or Literature	British Literature I or British Literature II or History of the US to 1865* or History of the US Since 1865* 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 HISTORY 1300* or HISTORY 1310* or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American History to 1877* or American History Since 1877* or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.					
GEO 201 or PHI 101 or POS 205* or PSY 102 or ECO 202 or ECO 201 or Foreign Language	Human Geography or Intro to Philosophy or American Government and Politics* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	World Regional Geography or Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
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
Maximum Free Electives		3	Maximum Free Electives		3
Group 2 Major Requirements		32	Group 2 Major Requirements		32
Group 1 Core Requirements		18	Group 1 Core Requirements		18
Total Hours		50			Total Hours* 50
*S&T advisor permission is required to transfer more than 68 credits toward the S&T Ceramic Engineering degree.					