

# Culver-Stockton College — Missouri S&T

## General Engineering

Transfer Guide Effective as of Fall 2024

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

### 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.

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&amp;T</u>	
MAT 120	Applied Calculus	4	MATH 1214	Calculus I Grade of C or better is required.
MAT 210	Calculus II	4	MATH 1215	Calculus II Grade of C or better is required.
MAT 220	Calculus III	4	MATH 2222	Calculus III Grade of C or better is required.
MAT 320	Differential Equations	3	MATH 3304	Elementary Differential Equations
CHE 251	General Chemistry	4	CHEM 1310, 1319	General Chemistry I and Lab
ENG 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation
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
Total Hours		25	Total Hours	
			26	

### 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 or 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**

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.

**Humanities/Social Science (HSS) Electives:** HSS electives may include any art, English and technical communication, etymology, foreign language, music, philosophy, speech and media studies, or theatre. Your campus may have additional acceptable options. Consult with your advisor or email [transfer@mst.edu](mailto:transfer@mst.edu) with questions. See Missouri S&T online catalog at <https://catalog.mst.edu/undergraduate/degreeprogramsandcourses/> for more information.

## Aerospace Engineering Group 2 Major Requirements

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&amp;T</u>		
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
MAT 325	Linear Algebra	3	MATH 3108	Linear Algebra I <small>Will satisfy the Advanced Math/Comp Sci elective requirement.</small>	3
	Literature Elective	3		Literature Elective	3
Ethics	Ethics Elective <small>Any engineering, business, bio, social ethics approved by advisor.</small>	3	Ethics	Ethics Elective <small>Any engineering, business, bio, social ethics approved by advisor.</small>	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	15		Group 2 Major Requirements	15
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	40		Total Hours*	41

\*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&amp;T</u>		
HIS 107 or HIS 108	History of the US to 1865 or History of the US Since 1865 <small>Culver-Stockton does not have an equivalent to S&amp;T HISTORY 1200.</small>	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877 <small>*HISTORY 1200 is preferred; 1300 or 1310 will also be accepted.</small>	3
NAS 204	Survey of Geology	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
Humanities or Social Science or Communication	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language or one communication course from this list: ENG 202, COM 115.	3	Humanities or Social Science or Communication	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language or one communication course from this list: ENGLISH 1160, 1600, 3560 or SPMS 1185.	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	9		Group 2 Major Requirements	9
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	34		Total Hours*	35

\*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&amp;T</u>		
COM 115	Fundamentals of Speech	3	SP&MS 1185	Principles of Speech	3
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHE 252	General Chemistry II	4	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
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 <small>Applies to degree as Track Elective.</small>	4
MIS 215	Computer Programming in Python	3	CS 1500	Computational Problem Solving	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	24		Group 2 Major Requirements	23
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	49		Total Hours*	49

\*S&T advisor permission is required to transfer more than 68 credit hours toward the degree.

## Biomedical Engineering-Biomaterials Group 2 Major Requirements

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&amp;T</u>		
COM 115	Fundamentals of Speech	3	SP&MS 1185	Principles of Speech	3
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHE 252	General Chemistry II	4	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
CHE 301	Organic Chemistry I	4	CHEM 2210, 2219*	Organic Chemistry I and Lab* <small>*CHEM 2219 Lab applies to the degree as a Track Elective (non-engineering).</small>	4
CHE 301	Organic Chemistry II	4	CHEM 2220, 2229*	Organic Chemistry II and Lab* <small>CHEM 2229 Lab applies to the degree as a Track Elective (non-engineering).</small>	4
MIS 215	Computer Programming in Python	3	CS 1500	Computational Problem Solving	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	21		Group 2 Major Requirements	20
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	46		Total Hours*	46

\*S&T advisor permission is required to transfer more than 65 credits toward the S&T Biomedical Engineering degree.

## Ceramic Engineering Group 2 Major Requirements

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&amp;T</u>		
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHE 301	Organic Chemistry I	4	CHEM 2210, 2219*	Organic Chemistry I (3) and Lab* (1) <small>CHEM 2210 will satisfy the advanced chemistry elective requirement. *CHEM 2219 is not an S&amp;T degree requirement, will transfer as general elective credit.</small>	3
CHE 252	General Chemistry II	4	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
ENG 202 or COM 115 or HSS Elective	Composition II or Fundamentals of Speech or Humanities/Social Science Elective: history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language	3	ENGLISH 1160 or SPMS 1185 or HSS Elective	Writing and Research or Principles of Speech or Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	20		Group 2 Major Requirements	18
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	45		Total Hours*	44

\*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

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&amp;T</u>		
COM 115	Fundamentals of Speech	3	SP&MS 1185	Principles of Speech	3
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHE 252	General Chemistry II	4	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
CHE 301	Organic Chemistry I	4	CHEM 2210, 2219*	Organic Chemistry I and Lab* <small>*The lab will apply to the degree as 1 of the 9 required science elective credits (below)</small>	4
CHE 301	Organic Chemistry II	4	CHEM 2220	Organic Chemistry II (3) <small>Will apply to the degree as 3 of the 9 required science elective credits.</small>	8
MIS 215	Computer Programming in Python	3	CS 1500	Computational Problem Solving	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	24		Group 2 Major Requirements	27
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	49		Total Hours*	53

\*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&amp;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	3
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
NAS 204	Survey of Geology	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	12		Group 2 Major Requirements	12
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	37		Total Hours*	38

\*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

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&amp;T</u>		
COM 115	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
ENG 202	Composition II	3	ENGLISH 1160	Writing and Research	3
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
MIS 215	Computer Programming in Python	3	CS 1500	Computational Problem Solving	3
CHE 301	Organic Chemistry I	4	CHEM 2210	Organic Chemistry I (3) Satisfies a required engineering/science elective.	3
MAT 325	Linear Algebra	3	MATH 3108	Linear Algebra Will satisfy a required math elective.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Electives	Maximum Free Electives	3	Electives	Maximum Free Electives	3
	Group 2 Major Requirements	25		Group 2 Major Requirements	24
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	50		Total Hours*	50

\*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

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&amp;T</u>		
COM 115	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
ENG 202	Composition II	3	ENGLISH 1160	Writing and Research	3
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
MIS 215	Computer Programming in Python	3	CS 1500	Computational Problem Solving	3
CHE 301	Organic Chemistry I	4	CHEM 2210	Organic Chemistry I Satisfies a required engineering/science elective.	3
MAT 325	Linear Algebra	3	MATH 3108	Linear Algebra	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Electives	Maximum Free Electives	3	Electives	Maximum Free Electives	3
	Group 2 Major Requirements	25		Group 2 Major Requirements	24
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	50		Total Hours*	50

\*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&amp;T</u>		
PSY 102	General Psychology	3	PSYCH 1101	General Psychology	3
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
COM 115	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
ENG 202	Composition II	3	ENGLISH 1160	Writing and Research	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
	<i>No free electives applied to the degree.</i>	3	Electives	Maximum Free Electives	0
	Group 2 Major Requirements	18		Group 2 Major Requirements	15
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	43		Total Hours*	61

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

## Environmental 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	3
HIS 107 or HIS 108	History of the US to 1865 or History of the US Since 1865	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
NAS 204	Survey of Geology	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
CHE 252	General Chemistry II	4	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
BIO 110	Biology: Molecules and Cells	3	BIO SCI 1113	General Biology	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, 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	18
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	44		Total Hours*	44

\*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

Culver-Stockton College		Semester	Missouri S&T		
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
MIS 215	Computer Programming in Python	3	CS 1500	Computational Problem Solving	3
NAS 204	Survey of Geology	3	GEO ENG 1150 (GEOLOGY 1110)	Physical and Environmental Geology	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	15		Group 2 Major Requirements	15
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	40		Total Hours*	41

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

## Mechanical Engineering Group 2 Major Requirements

Culver-Stockton College		Semester	Missouri S&T		
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
ENG 202 or COM 115	Composition II or Fundamentals of Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
MAT 325	Linear Algebra	3	MATH 3108	Linear Algebra I <small>Will satisfy the Advanced Math/Statistics elective requirement.</small>	3
	Literature Elective	3		Literature Elective	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	15		Group 2 Major Requirements	15
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	40		Total Hours*	41

\*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

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	3
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHE 252	General Chemistry II	4	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
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) <small>Not specifically required for the degree but will satisfy out-of-department technical elective requirement</small>	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Electives	Maximum Free Electives	5	Electives	Maximum Free Electives	3
	Group 2 Major Requirements	25		Group 2 Major Requirements	21
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	50		Total Hours*	47

\*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&amp;T</u>		
ENG 202	Composition II	3	ENGLISH 1160	Writing and Research	3
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
NAS 204	Survey of Geology	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	15		Group 2 Major Requirements	15
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	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

<u>Culver-Stockton College</u>		<u>Semester</u>	<u>Missouri S&amp;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	3
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
MAT 325	Linear Algebra	3	MATH 3108	Linear Algebra	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Electives	Maximum Free Electives	6	Electives	Maximum Free Electives	6
	Group 2 Major Requirements	21		Group 2 Major Requirements	21
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	46		Total Hours*	47

\*S&T advisor permission is required to transfer more than 68 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&amp;T</u>		
ENG 202	Composition II	3	ENGLISH 1160	Writing and Research	3
HIS 107 or HIS 108 or POS 205	History of the US to 1865 or History of the US Since 1865 or American Government and Politics	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
NAS 204	Survey of Geology	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	15		Group 2 Major Requirements	15
	Group 1 Core Requirements	25		Group 1 Core Requirements	26
	Total Hours	40		Total Hours*	41

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