

Maryville University — Missouri S&T

General Engineering Transfer Guide

Effective as of Fall 2017

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>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
MATH151	Calculus I	4	MATH 1214	Calculus for Engineers I <small>Grade of C or better is required.</small>	4
MATH 152	Calculus II	4	MATH 1215	Calculus for Engineers II <small>Grade of C or better is required.</small>	4
MATH 251	Calculus III	4	MATH 2222	Calculus with Analytic Geometry III <small>Grade of C or better is required.</small>	4
MATH 320	Applied Differential Equations	3	MATH 3304	Elementary Differential Equations	3
PHYS 153	Calculus-Based Physics I	4	PHYSICS 1135	Engineering Physics I <small>Grade of C or better is required.</small>	4
PHYS 154	Calculus-Based Physics II	4	PHYSICS 2135	Engineering Physics II <small>Grade of C or better is required.</small>	4
CHEM 103, 103L	General Chemistry I and Lab	4	CHEM 1310, 1319	General Chemistry I and Lab	5
ENGL 101	Composition: Theme Writing	3	ENGLISH 1120	Exposition and Argumentation	3
MG 202 or MG 201	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
Total Hours		33	Total Hours		34

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
Ceramic Engineering
Chemical Engineering
Chemical Engineering/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 history, economics, political science, sociology, psychology, philosophy, fine art, literature, or foreign language. Missouri S&T approved HSS courses are listed at ugs.mst.edu. Your campus may have additional acceptable options. Consult with your advisor or email transfer@mst.edu with questions.

Aerospace Engineering Group 2 Major Requirements

<u>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HIST 121 or HIST 122 or HIST 132 or PSCI 101	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present American Government	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
ENGL 104 or SPCH 110	Composition: The Essay or Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
COSC 151 or COSC 260	Intro to Computer Science I C++ or Advanced C++ Programming	3	CS 1971, 1981 or CS 1570	Intro to Programming Method and Lab (C++) or Intro to Programming (C++)	3
MATH 316 or MATH 370, 371	Applied Linear Algebra or Mathematical Statistics I and II	3	MATH 3108 or STAT 3115	Linear Algebra I or Engineering Statistics <small>(Will satisfy the Advanced Math/Comp Sci elective requirement.)</small>	3
<i>See your advisor for course options.</i>			Literature Elective		3
<i>See your advisor for course options.</i>			Ethics Elective		3
<i>No free electives applied to the degree.</i>			Maximum Free Electives		0
Group 2 Major Requirements		12	Group 2 Major Requirements		18
Group 1 Core Requirements		33	Group 1 Core Requirements		34
Total Hours		45	Total Hours*		52

*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>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HIST 132 or HIST 121 or HIST 122	World History II:1500-Present or U.S. History to 1877 or U.S. History since 1877	3	HISTORY 1200* (or HISTORY 1300 or HISTORY 1310)	Modern Western Civilization* (or American History to 1877 or American History since 1877) <small>*HISTORY 1200 is preferred; 1300 or 1310 will also be accepted.</small>	3
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics <small>(Will be substituted for STAT 3113.)</small>	3
ENGL 104 or SPCH 110	Composition: The Essay or Oral Communication	3	ENGLISH 1160 or SPMS 1185 or HSS Elective	Writing and Research or Public Speaking or Humanities/Social Science Elective: history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language	3
<i>No free electives applied to the degree.</i>			Maximum Free Electives		0
Group 2 Major Requirements		12	Group 2 Major Requirements		9
Group 1 Core Requirements		33	Group 1 Core Requirements		34
Total Hours		45	Total Hours*		43

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

Ceramic Engineering Group 2 Major Requirements

<u>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HIST 121 or HIST 122 or HIST 132 or PSCI 101	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present American Government	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
CHEM 203, 203L	Organic Chemistry I and Lab	4	CHEM 2210/2219	Organic Chemistry I and Lab (Not a specific requirement. Will satisfy technical elective requirement.)	5
CHEM 104, 104L	General Chemistry II and Lab	4	CHEM 1320	General Chemistry II	3
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics	3
ENGL 104 or SPCH 110	Composition: The Essay or Oral Communication	3	ENGLISH 1160 or SPMS 1185 or HSS Elective	Writing and Research or Public Speaking or Humanities/Social Science Elective: history, economics, political science, sociology, psychology, Humanities/Social Science Elective	3
<i>See your advisor for course options.</i>				Maximum Free Electives	3
<i>No free electives applied to the degree.</i>				Maximum Free Electives	0
Group 2 Major Requirements		20	Group 2 Major Requirements		20
Group 1 Core Requirements		33	Group 1 Core Requirements		34
Total Hours		53	Total Hours*		54

*S&T advisor permission is required to transfer more than 66 credits toward the S&T Ceramic Engineering degree.

Chemical Engineering Group 2 Major Requirements

<u>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENGL 104	Composition: The Essay	3	ENGLISH 1160	Writing and Research	3
HIST 121 or HIST 122 or HIST 132 or PSCI 101	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present American Government	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
CHEM 104, 104L	General Chemistry II and Lab	4	CHEM 1320	General Chemistry II	5
CHEM 203, 203L	Organic Chemistry I and Lab	4	CHEM 2210	Organic Chemistry I	3
CHEM 204, 204L	Organic Chemistry II and Lab	4	CHEM 2220	Organic Chemistry II (Will satisfy science elective requirement.)	3
COSC 151 or COSC 260	Intro to Computer Science I C++ or Advanced C++ Programming	3	CS 1971, 1981 or CS 1570	Intro to Programming Method and Lab (C++) or Intro to Programming (C++)	3
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics (Will be substituted for STAT 3113.)	3
<i>See your advisor for course options.</i>				Humanities/Social Science Elective	3
<i>See your advisor for course options.</i>				Humanities/Social Science Elective	3
<i>No free electives applied to the degree.</i>				Maximum Free Electives	0
Group 2 Major Requirements		27	Group 2 Major Requirements		29
Group 1 Core Requirements		33	Group 1 Core Requirements		34
Total Hours		60	Total Hours*		63

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

Chemical Engineering - Biochemical Engineering Emphasis Group 2 Major Requirements

<u>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENGL 104	Composition: The Essay	3	ENGLISH 1160	Writing and Research	3
HIST 121 or HIST 122 or HIST 132 or PSCI 101	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present American Government	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
CHEM 104, 104L	General Chemistry II and Lab	4	CHEM 1320	General Chemistry II	5
CHEM 203, 203L	Organic Chemistry I and Lab	4	CHEM 2210	Organic Chemistry I	3
CHEM 204, 204L	Organic Chemistry II and Lab	4	CHEM 2220	Organic Chemistry II (Will satisfy science elective requirement.)	3
COSC 151 or COSC 260	Intro to Computer Science I C++ or Advanced C++ Programming	3	CS 1971, 1981 or CS 1570	Intro to Programming Method and Lab (C++) or Intro to Programming (C++)	3
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics (Will be substituted for STAT 3113.)	3
<i>See your advisor for course options.</i>				Humanities/Social Science Elective	3
<i>See your advisor for course options.</i>				Humanities/Social Science Elective	3
<i>No free electives applied to the degree.</i>				Maximum Free Electives	0
Group 2 Major Requirements		27	Group 2 Major Requirements		29
Group 1 Core Requirements		33	Group 1 Core Requirements		34
Total Hours		60	Total Hours*		63

*S&T advisor permission is required to transfer more than 71 credits toward the S&T Chemical/Biochemical Engineering degree.

Civil Engineering Group 2 Major Requirements

<u>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENGL 104 or SPCH 110	Composition: The Essay or Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIST 121 or HIST 122 or HIST 132 or PSCI 101	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present American Government	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics (Will be substituted for STAT 3113.)	3
				Humanities/Social Science Elective	3
				Maximum Free Electives	0
		12			12
		33			34
Total Hours		45	Total Hours*		46

*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>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
SPCH 110	Oral Communication	3	SPMS 1185	Public Speaking	3
ENGL 104	Composition: The Essay	3	ENGLISH 1160	Writing and Research	3
HIST 121 or HIST 122 or HIST 132 or PSCI 101	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present American Government	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
COSC 260	Advanced C++ Programming	3	CS 1570	Intro to Programming (C++)	4
MATH 316	Applied Linear Algebra	3	MATH 3108	Linear Algebra (Will satisfy a required math elective.)	3
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics (Will be substituted for STAT 3117.)	3
				Humanities/Social Science Elective	3
				Maximum Free Electives	3
		21			25
		33			34
Total Hours		54	Total Hours*		59

*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>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
SPCH 110	Oral Communication	3	SPMS 1185	Public Speaking	3
ENGL 104	Composition: The Essay	3	ENGLISH 1160	Writing and Research	3
HIST 121 or HIST 122 or HIST 132 or PSCI 101	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present American Government	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
COSC 260	Advanced C++ Programming	3	CS 1570	Intro to Programming (C++)	4
MATH 316	Applied Linear Algebra	3	MATH 3108	Linear Algebra	3
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics (Will be substituted for STAT 3117.)	3
				Humanities/Social Science Elective	3
				Maximum Free Electives	3
		21			25
		33			34
Total Hours		54	Total Hours*		59

*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>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
Psych 101	General Psychology	3	PSYCH 1101	General Psychology	3
HIST 121 or HIST 122 or HIST 132 or	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or	American History to 1877 or American History since 1877 or Modern Western Civilization or	3
PSCI 101	American Government		POL SCI 1200	American Government	
ENGL 104 or SPCH 110	Composition: The Essay or Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>See your advisor for course options.</i>			Maximum Free Electives	3
	Group 2 Major Requirements	15		Group 2 Major Requirements	18
	Group 1 Core Requirements	33		Group 1 Core Requirements	34
	Total Hours	48		Total Hours*	52

*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

<u>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENGL 104 or SPCH 110	Composition: The Essay or Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIST 121 or HIST 122 or HIST 132	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200	American History to 1877 (preferred) or American History since 1877 (preferred) or Modern Western Civilization	3
CHEM 104, 104L	General Chemistry II and Lab	4	CHEM 1320	General Chemistry II	3
BIOL 103, 103L	Intro to Biology and Lab	4	BIO SCI 1113	General Biology	4
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics (Will be substituted for STAT 3113.)	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>No free electives applied to the degree.</i>			Maximum Free Electives	0
	Group 2 Major Requirements	20		Group 2 Major Requirements	19
	Group 1 Core Requirements	33		Group 1 Core Requirements	34
	Total Hours	53		Total Hours*	53

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

Geological Engineering Group 2 Major Requirements

<u>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENGL 104 or SPCH 110	Composition: The Essay or Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIST 121 or HIST 122 or HIST 132 or	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or	American History to 1877 or American History since 1877 or Modern Western Civilization or	3
PSCI 101	American Government		POL SCI 1200	American Government	
BIOL 103, 103L or CHEM 104 or CHEM 203	Intro to Biology and Lab or General Chemistry II or Organic Chemistry I	4	BIO SCI 1113 or CHEM 1320 or CHEM 2210	General Biology or General Chemistry II or Organic Chemistry I <i>or any 3-hour course in chemistrv. geochemistrv. or bioloav</i>	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>No free electives applied to the degree.</i>			Maximum Free Electives	0
	Group 2 Major Requirements	10		Group 2 Major Requirements	12
	Group 1 Core Requirements	33		Group 1 Core Requirements	34
	Total Hours	43		Total Hours*	46

*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

<u>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HIST 121 or HIST 122 or HIST 132 or PSCI 101	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present American Government	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
ENGL 104 or SPCH 110	Composition: The Essay or Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
COSC 151 or COSC 260	Intro to Computer Science I C++ or Advanced C++ Programming	3	CS 1971, 1981 or CS 1570	Intro to Programming Method and Lab (C++) or Intro to Programming (C++)	3 3 4
MATH 316 or MATH 370, 371	Applied Linear Algebra or Mathematical Statistics I and II	3	MATH 3108 or STAT 3115	Linear Algebra I or Engineering Statistics <small>(Will satisfy the Advanced Math/Comp Sci elective requirement.)</small>	3
				Literature Elective	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>No free electives applied to the degree.</i>			Maximum Free Electives	0
	Group 2 Major Requirements	3		Group 2 Major Requirements	9
	Group 1 Core Requirements	33		Group 1 Core Requirements	34
	Total Hours	36		Total Hours*	43

*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>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENGL 104 or SPCH 110	Composition: The Essay or Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIST 121 or HIST 122 or HIST 132 or PSCI 101	U.S. History to 1877 or U.S. History since 1877 or World History II:1500-Present American Government	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics	3
CHEM 203, 203L	Organic Chemistry I and Lab	4	CHEM 2210	Organic Chemistry I <small>Not specifically required for the degree but will satisfy Out-of-Department Technical Elective Requirement</small>	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>See your advisor for course options.</i>			Maximum Free Electives	5
	Group 2 Major Requirements	16		Group 2 Major Requirements	23
	Group 1 Core Requirements	33		Group 1 Core Requirements	34
	Total Hours	49		Total Hours*	57

*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>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENGL 104	Composition: The Essay	3	ENGLISH 1160	Writing and Research	3
HIST 121 or	U.S. History to 1877 or		HISTORY 1300 or	American History to 1877 or	
HIST 122 or	U.S. History since 1877 or		HISTORY 1310 or	American History since 1877 or	
HIST 132 or	World History II:1500-Present	3	HISTORY 1200 or	Modern Western Civilization or	3
PSCI 101	American Government		POL SCI 1200	American Government	
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>No free electives applied to the degree.</i>			Maximum Free Electives	0
Group 2 Major Requirements		12	Group 2 Major Requirements		15
Group 1 Core Requirements		33	Group 1 Core Requirements		34
Total Hours		45	Total Hours*		49

*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>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENGL 104	Composition: The Essay	3	ENGLISH 1160	Writing and Research	3
HIST 121 or	U.S. History to 1877 or		HISTORY 1300 or	American History to 1877 or	
HIST 122 or	U.S. History since 1877 or		HISTORY 1310 or	American History since 1877 or	
HIST 132 or	World History II:1500-Present	3	HISTORY 1200 or	Modern Western Civilization or	3
PSCI 101	American Government		POL SCI 1200	American Government	
COSC 151 or	Intro to Computer Science I C++ or		CS 1971, 1981 or	Intro to Programming Method and Lab (C++) or	3
COSC 260	Advanced C++ Programming	3	CS 1570	Intro to Programming (C++)	4
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>See your advisor for course options.</i>			Maximum Free Electives	6
Group 2 Major Requirements		15	Group 2 Major Requirements		21
Group 1 Core Requirements		33	Group 1 Core Requirements		34
Total Hours		48	Total Hours*		55

*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>Maryville University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENGL 104	Composition: The Essay	3	ENGLISH 1160	Writing and Research	3
HIST 121 or	U.S. History to 1877 or		HISTORY 1300 or	American History to 1877 or	
HIST 122 or	U.S. History since 1877 or		HISTORY 1310 or	American History since 1877 or	
HIST 132 or	World History II:1500-Present	3	HISTORY 1200 or	Modern Western Civilization or	3
PSCI 101	American Government		POL SCI 1200	American Government	
MATH 370, 371	Mathematical Statistics I and II	6	STAT 3115	Engineering Statistics	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
	<i>No free electives applied to the degree.</i>			Maximum Free Electives	0
Group 2 Major Requirements		6	Group 2 Major Requirements		9
Group 1 Core Requirements		33	Group 1 Core Requirements		34
Total Hours		39	Total Hours*		43

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