

Missouri Western State 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>Missouri Western State University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
MAT 167	Calculus with Analytic Geometry I	5	MATH 1214	Calculus for Engineers I	Grade of C or better is required. 4
MAT 177	Calculus with Analytic Geometry II	5	MATH 1215	Calculus for Engineers II	Grade of C or better is required. 4
MAT 287	Calculus with Analytic Geometry III	5	MATH 2222	Calculus with Analytic Geometry III	Grade of C or better is required. 4
MAT 317	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
PHY 210	University Physics I	5	PHYSICS 1135	Engineering Physics I	Grade of C or better is required. 4
PHY 211	University Physics II	5	PHYSICS 2135	Engineering Physics II	Grade of C or better is required. 4
CHE 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
EGT 205	Computer Aided Drafting I (CAD)	3	MECH ENG 1720	Engineering Design with Computer Appl	3
ENG 104	College Writing and Rhetoric	3	ENGLISH 1120	Exposition and Argumentation	3
ECO 261 or ECO 260	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
Total Hours		42	Total Hours		37

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.

Ceramic Engineering Group 2 Major Requirements

<u>Missouri Western State University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
HIS 140 or HIS 150 or HIS 210 or GOV 101	American History to 1865 or American History since 1865 or Early Modern Civilization or American National 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
EGT 265	Engineering Statics	3	CIV ENG 2200	Engineering Mechanics-Statics
CET 260	Mechanics of Materials	3	CIV ENG 2210	Mechanics of Materials
CHE 310, 311	Organic Chemistry I	5	CHEM 2210/2219	Organic Chemistry I and Lab (Not a specific requirement. Will satisfy technical elective requirement.)
CHE 120	General Chemistry II	5	CHEM 1320	General Chemistry II
ENG 108 or COM 104	College Writing and Research 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 Humanities/Social Science Elective
<i>See your advisor for course options.</i>			Maximum Free Electives	
<i>No free electives applied to the degree.</i>			Group 2 Major Requirements	
Group 2 Major Requirements		22	Group 1 Core Requirements	
Group 1 Core Requirements		42	Group 2 Major Requirements	
Total Hours		64	Group 1 Core Requirements	
			Total Hours* 60	

*S&T advisor permission is required to transfer more than 60 credits toward the S&T Ceramic Engineering degree.

Chemical Engineering Group 2 Major Requirements

<u>Missouri Western State University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
ENG 108 or EGT 305 HIS 140 or HIS 150 or HIS 210 or GOV 101	College Writing and Research or Technical Report Writing American History to 1865 or American History since 1865 or Early Modern Civilization or American National Government	3	ENGLISH 1160 or ENGLISH 3560 HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	Writing and Research or Technical Writing American History to 1877 or American History since 1877 or Modern Western Civilization or American Government
CHE 120	General Chemistry II	5	CHEM 1320	General Chemistry II
CHE 310, 311	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I
CSC 184 or CSC 254	Computing Concepts I or Computing Concepts II	3	CS 1971, 1981 or CS 1570, 1580	Intro to Programming Method and Lab (C++) or Intro to Programming and Lab (C++)
<i>See your advisor for course options.</i>			Humanities/Social Science Elective	
<i>See your advisor for course options.</i>			Humanities/Social Science Elective	
<i>No free electives applied to the degree.</i>			Maximum Free Electives	
Group 2 Major Requirements		19	Group 2 Major Requirements	
Group 1 Core Requirements		42	Group 1 Core Requirements	
Total Hours		61	Total Hours* 60	

*S&T advisor permission is required to transfer more than 60 credits toward the S&T Chemical Engineering degree.

Chemical Engineering - Biochemical Engineering Emphasis Group 2 Major Requirements

<u>Missouri Western State University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
ENG 108 or EGT 305 HIS 140 or HIS 150 or HIS 210 or GOV 101	College Writing and Research or Technical Report Writing American History to 1865 or American History since 1865 or Early Modern Civilization or American National Government	3	ENGLISH 1160 or ENGLISH 3560 HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	Writing and Research or Technical Writing American History to 1877 or American History since 1877 or Modern Western Civilization or American Government
CHE 120	General Chemistry II	5	CHEM 1320	General Chemistry II
CHE 310, 311	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I
CSC 184 or CSC 254	Computing Concepts I or Computing Concepts II	3	CS 1971, 1981 or CS 1570, 1580	Intro to Programming Method and Lab (C++) or Intro to Programming and Lab (C++)
<i>See your advisor for course options.</i>			Humanities/Social Science Elective	
<i>See your advisor for course options.</i>			Humanities/Social Science Elective	
<i>No free electives applied to the degree.</i>			Maximum Free Electives	
Group 2 Major Requirements		19	Group 2 Major Requirements	
Group 1 Core Requirements		42	Group 1 Core Requirements	
Total Hours		61	Total Hours* 60	

*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>Missouri Western State University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
ENG 108 or COM 104 or EGT 305 HIS 140 or HIS 150 or HIS 210or GOV 101 ESC 111	College Writing and Research or Oral Communication or Technical Report Writing American History to 1865 or American History since 1865 or Early Modern Civilization or American National Government Physical Geology	3 4	ENGLISH 1160 or SPMS 1185 or ENGLISH 3560 HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200 GEO 1110/GE 1150	Writing and Research or Public Speaking or Technical Writing American History to 1877 or American History since 1877 or Modern Western Civilization or American Government Intro to Physical Geology
EGT 265 EGT 300 CET 260 EGT 202	Engineering Statics Dynamics Mechanics of Materials Surveying I	3 3 3 3	CIV ENG 2200 MECH ENG 2350 CIV ENG 2210, 2211 CIV ENG 2401	Engineering Mechanics-Statics Engineering Mechanics-Dynamics Mechanics of Materials and Materials Testing Fundamentals of Surveying Humanities/Social Science Elective
<i>See your advisor for course options.</i>				Maximum Free Electives
<i>No free electives applied to the degree.</i>				0
Group 2 Major Requirements		22	Group 2 Major Requirements	
Group 1 Core Requirements		42	Group 1 Core Requirements	
Total Hours		64	Total Hours*	
			61	

*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>Missouri Western State University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
COM 104 ENG 108 or EGT 305 HIS 140 or HIS 150 or HIS 210or GOV 101 CSC 254 CSC 285	Oral Communications College Writing and Research or Technical Report Writing American History to 1865 or American History since 1865 or Early Modern Civilization or American National Government Computing Concepts II Data Structures	3 3 3 3	SPMS 1185 ENGLISH 1160 or ENGLISH 3560 HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200 CS 1570, 1580 CS 1575	Public Speaking Writing and Research or Technical Writing American History to 1877 or American History since 1877 or Modern Western Civilization or American Government Intro to Programming and Lab (C++) Data Structures
EGT 265 and EGT 300	Engineering Statics and Dynamics	3	CIV ENG 2200 and MECH ENG 2350	Engineering Mechanics-Statics and Engineering Mechanics-Dynamics (Both courses combined will satisfy a required engineering science elective.)
EGT 100	Electrical Circuits I	4	EE 2100**	Circuits I **A passing grade on the Missouri S&T EE Advancement Exam I is required to receive credit for EE 2100.
MAT 306	Matrix Algebra	3	MATH 3108	Linear Algebra (Will satisfy a required math elective.)
<i>See your advisor for course options.</i>				Humanities/Social Science Elective
<i>See your advisor for course options.</i>				Maximum Free Electives
Group 2 Major Requirements		25	Group 2 Major Requirements	
Group 1 Core Requirements		42	Group 1 Core Requirements	
Total Hours		67	Total Hours*	
			71	

*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>Missouri Western State University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
COM 104 ENG 108 or EGT 305 HIS 140 or HIS 150 or HIS 210or GOV 101 CSC 254	Oral Communications College Writing and Research or Technical Report Writing American History to 1865 or American History since 1865 or Early Modern Civilization or American National Government Computing Concepts II	3 3 3	SPMS 1185 ENGLISH 1160 or ENGLISH 3560 HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200 CS 1570, 1580 CIV ENG 2200 and MECH ENG 2350	Public Speaking Writing and Research or Technical Writing American History to 1877 or American History since 1877 or Modern Western Civilization or American Government Intro to Programming and Lab (C++) Engineering Mechanics-Statics and Engineering Mechanics-Dynamics
EGT 265 and EGT 300	Engineering Statics and Dynamics	3		Engineering Mechanics-Statics and Engineering Mechanics-Dynamics (Both courses combined will satisfy a required engineering science elective.)
EGT 100	Electrical Circuits I	4	EE 2100**	Circuits I **A passing grade on the Missouri S&T EE Advancement Exam I is required to receive credit for EE 2100.
MAT 306	Matrix Algebra	3	MATH 3108	Linear Algebra
<i>See your advisor for course options.</i>				Humanities/Social Science Elective
<i>See your advisor for course options.</i>				Maximum Free Electives
Group 2 Major Requirements		22	Group 2 Major Requirements	
Group 1 Core Requirements		42	Group 1 Core Requirements	
Total Hours		64	Total Hours*	
			37 68	

*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

Missouri Western State University		Semester	Missouri S&T		
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
HIS 140 or	American History to 1865 or		HISTORY 1300 or	American History to 1877 or	
HIS 150 or	American History since 1865 or		HISTORY 1310 or	American History since 1877 or	
HIS 210 or	Early Modern Civilization or	3	HISTORY 1200 or	Modern Western Civilization or	3
GOV 101	American National Government		POL SCI 1200	American Government	
ENG 108 or	College Writing and Research or		ENGLISH 1160 or	Writing and Research or	
COM 104 or	Oral Communication or	3	SPMS 1185 or	Principles of Speech or	3
EGT 305	Technical Report Writing		ENGLISH 3560	Technical Writing	
EGT 100	Electrical Circuits I	4	EE 2800	Circuit Analysis I	3
EGT 265	Engineering Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
EGT 300	Dynamics	3	MECH ENG 2350	Engineering Mechanics-Dynamics	3
CET 260	Mechanics of Materials	3	CIV ENG 2210, 2211	Mechanics of Materials and Materials Testing	3
				Humanities/Social Science Elective	3
				Maximum Free Electives	3
		22			27
Group 2 Major Requirements			Group 2 Major Requirements		
Group 1 Core Requirements		42	Group 1 Core Requirements		37
Total Hours		64	Total Hours*		64

*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

Missouri Western State University		Semester	Missouri S&T		
ENG 108 or	College Writing and Research or		ENGLISH 1160 or	Writing and Research or	
COM 104 or	Oral Communication or	3	SPMS 1185 or	Public Speaking or	3
EGT 305	Technical Report Writing		ENGLISH 3560	Technical Writing	
HIS 140 or	American History to 1865 or		HISTORY 1300 or	American History to 1877 (preferred) or	
HIS 150 or	American History since 1865 or	3	HISTORY 1310 or	American History since 1877 (preferred) or	3
HIS 210	Early Modern Civilization		HISTORY 1200	Modern Western Civilization	
ESC 111	Physical Geology	4	GEO 1110/GE 1150	Intro to Physical Geology	3
CHE 120	General Chemistry II	5	CHEM 1320	General Chemistry II	3
BIO 101	Principles of Biology	5	BIO SCI 1113	General Biology	4
EGT 265	Engineering Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
EGT 300	Dynamics	3	MECH ENG 2350	Engineering Mechanics-Dynamics	3
CET 260	Mechanics of Materials	3	CIV ENG 2210, 2211	Mechanics of Materials and Materials Testing	3
				Humanities/Social Science Elective	3
				Maximum Free Electives	0
		29			28
Group 2 Major Requirements			Group 2 Major Requirements		
Group 1 Core Requirements		42	Group 1 Core Requirements		37
Total Hours		71	Total Hours*		65

*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

Missouri Western State University		Semester	Missouri S&T		
ENG 108 or	College Writing and Research or		ENGLISH 1160 or	Writing and Research or	
COM 104 or	Oral Communication or	3	SPMS 1185 or	Public Speaking or	3
EGT 305	Technical Report Writing		ENGLISH 3560	Technical Writing	
HIS 140 or	American History to 1865 or		HISTORY 1300 or	American History to 1877 or	
HIS 150 or	American History since 1865 or		HISTORY 1310 or	American History since 1877 or	
HIS 210 or	Early Modern Civilization or	3	HISTORY 1200 or	Modern Western Civilization or	3
GOV 101	American National Government		POL SCI 1200	American Government	
ESC 111	Physical Geology	4	GEO 1110/GE 1150	Physical and Environmental Geology	3
EGT 265	Engineering Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
EGT 300	Dynamics	3	MECH ENG 2350	Engineering Mechanics-Dynamics	3
CET 260	Mechanics of Materials	3	CIV ENG 2210	Mechanics of Materials	3
BIO 101 or	Principles of Biology or		BIO SCI 1113 or	General Biology or	
CHE 120 or	General Chemistry II or	5	CHEM 1320 or	General Chemistry II or	
CHE 310, 311	Organic Chemistry I		CHEM 2210	Organic Chemistry I	
				or any 3-hour course in chemistry, geochemistry, or biology	
				Humanities/Social Science Elective	3
				Humanities/Social Science Elective	3
				Maximum Free Electives	0
		24			24
Group 2 Major Requirements			Group 2 Major Requirements		
Group 1 Core Requirements		42	Group 1 Core Requirements		37
Total Hours		66	Total Hours*		61

*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>Missouri Western State University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HIS 140 or HIS 150 or HIS 210 or	American History to 1865 or American History since 1865 or Early Modern Civilization or	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or	American History to 1877 or American History since 1877 or Modern Western Civilization or	
GOV 101	American National Government		POL SCI 1200	American Government	
ENG 108 or COM 104 or EGT 305	College Writing and Research or Oral Communication or Technical Report Writing	3	ENGLISH 1160 or SPMS 1185 or ENGLISH 3560	Writing and Research or Principles of Speech or Technical Writing	
CSC 184 or CSC 254	Computing Concepts I or Computing Concepts II	3	CS 1971, 1981 or CS 1570, 1580	Intro to Programming Method and Lab (C++) or Intro to Programming and Lab (C++)	
EGT 100	Electrical Circuits I	4	EE 2800	Circuit Analysis I	
EGT 265	Engineering Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	
CET 260	Mechanics of Materials	3	CIV ENG 2210	Mechanics of Materials	
MAT 306	Matrix Algebra	3	MATH 3108	Linear Algebra I <small>(Will satisfy the Advanced Math/Comp Sci elective requirement.)</small>	
				Literature Elective	
				Humanities/Social Science Elective	
				Maximum Free Electives	
		Group 2 Major Requirements			18
		Group 1 Core Requirements			37
		Total Hours			55
					Total Hours*
					55

*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>Missouri Western State University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 108 or COM 104 or EGT 305	College Writing and Research or Oral Communication or Technical Report Writing	3	ENGLISH 1160 or SPMS 1185 or ENGLISH 3560	Writing and Research or Public Speaking or Technical Writing	
HIS 140 or HIS 150 or HIS 210 or GOV 101	American History to 1865 or American History since 1865 or Early Modern Civilization or American National 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	
EGT 265	Engineering Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	
CET 260	Mechanics of Materials	3	CIV ENG 2210	Mechanics of Materials	
CHE 120	General Chemistry II	5	CHEM 1320	General Chemistry II	
CHE 310, 311 or EGT 100	Organic Chemistry I or Electrical Circuits I	4	CHEM 2210 or EE 2800	Organic Chemistry I or Electrical Circuits <small>Not specifically required for the degree but will satisfy Out-of-Department Technical Elective Requirement</small>	
				Humanities/Social Science Elective	
				Humanities/Social Science Elective	
				Maximum Free Electives	
		Group 2 Major Requirements			29
		Group 1 Core Requirements			37
		Total Hours			63
					Total Hours*
					66

*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

Missouri Western State University		Semester	Missouri S&T		
ENG 108 or EGT 305 HIS 140 or HIS 150 or HIS 210 or GOV 101	College Writing and Research or Technical Report Writing American History to 1865 or American History since 1865 or Early Modern Civilization or American National Government	3	ENGLISH 1160 or ENGLISH 3560 HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	Writing and Research or Technical Writing American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
EGT 265	Engineering Statics	3	CIV ENG 2200*	Engineering Mechanics-Statics	3
EGT 300	Dynamics	3	MECH ENG 2350*	Engineering Mechanics-Dynamics	3
CET 260	Mechanics of Materials	3	CIV ENG 2210*	Mechanics of Materials	3
<small>*The combination of CIV ENG 2200 and MECH ENG 2350 will be substituted for MECH ENG 2340. The Combination of CIV ENG 22000 and 2210 and MECH ENG 2350 will be substituted for MI ENG 3812</small>					
ESC 111	Physical Geology	4	GEO 1110/GE 1150	Intro to Physical Geology	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	19		Group 2 Major Requirements	24
	Group 1 Core Requirements	42		Group 1 Core Requirements	37
	Total Hours	61		Total Hours*	61

*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

Missouri Western State University		Semester	Missouri S&T		
ENG 108 or EGT 305 HIS 140 or HIS 150 or HIS 210 or GOV 101	College Writing and Research or Technical Report Writing American History to 1865 or American History since 1865 or Early Modern Civilization or American National Government	3	ENGLISH 1160 or ENGLISH 3560 HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	Writing and Research or Technical Writing American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
CSC 184 or CSC 254	Computing Concepts I or Computing Concepts II	3	CS 1971, 1981 or CS 1570, 1580	Intro to Programming Method and Lab (C++) or Intro to Programming and Lab (C++)	3 4
EGT 265	Engineering Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
CET 260	Mechanics of Materials	3	CIV ENG 2210	Mechanics of Materials	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	24
	Group 1 Core Requirements	42		Group 1 Core Requirements	37
	Total Hours	57		Total Hours*	61

*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

Missouri Western State University		Semester	Missouri S&T		
ENG 108 or EGT 305 HIS 140 or HIS 150 or HIS 210 or GOV 101	College Writing and Research or Technical Report Writing American History to 1865 or American History since 1865 or Early Modern Civilization or American National Government	3	ENGLISH 1160 or ENGLISH 3560 HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200	Writing and Research or Technical Writing American History to 1877 or American History since 1877 or Modern Western Civilization or American Government	3
ESC 111	Physical Geology	4	GEO 1110/GE 1150	Physical and Environmental Geology	3
EGT 265	Engineering Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
EGT 300	Dynamics	3	MECH ENG 2350	Engineering Mechanics-Dynamics	3
CET 260	Mechanics of Materials	3	CIV ENG 2210	Mechanics of Materials	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	13		Group 2 Major Requirements	18
	Group 1 Core Requirements	42		Group 1 Core Requirements	37
	Total Hours	55		Total Hours*	55

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