

John A. Logan College — 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>John A. Logan College</u>			<u>Semester</u>	<u>Missouri S&T</u>		
MAT 131	Calculus I	5	MATH 1214	Calculus for Engineers I	Grade of C or better is required.	4
MAT 201	Calculus II	5	MATH 1215	Calculus for Engineers II	Grade of C or better is required.	4
MAT 205	Differential Equations	3	MATH 3304	Elementary Differential Equations		3
PHY 205	University Physics	5	PHYSICS 1135	Engineering Physics I	Grade of C or better is required.	4
PHY 206	University Physics II	5	PHYSICS 2135	Engineering Physics II	Grade of C or better is required.	4
CHM 151	Chemical Principles	5	CHEM 1310, 1319	General Chemistry I and Lab		5
ENG 101	English Composition	3	ENGLISH 1120	Exposition and Argumentation		3
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
Total Hours			34			Total Hours
						30

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

John A. Logan College		Semester		Missouri S&T		
HIS 201 or HIS 202 or HIS 102 or	US History I or History II or Western Civilization or	US	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
PSC 131 ENG 102 or SPE 115	American Government English Composition or Speech		3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
CPS 203	Intro to Scientific Programming		3	CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
PHY 215	Intro to Circuit Analysis		4	EE 2800	Circuit Analysis I	3
PHY 201	Statics		4	CIV ENG 2200	Engineering Mechanics-Statics	3
MAT 221	Intro to Linear Algebra		3	MATH 3108	Linear Algebra I <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		20		Group 2 Major Requirements	24
	Group 1 Core Requirements		34		Group 1 Core Requirements	30
	Total Hours		54		Total Hours*	54

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

Architectural Engineering Group 2 Major Requirements

John A. Logan College		Semester		Missouri S&T		
HIS 102 or HIS 201 or HIS 202	Western Civilization or US History I or History II	US	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
PHY 201	Statics		4	CIV ENG 2200	Engineering Mechanics-Statics	3
PHY 202	Dynamics		3	MECH ENG 2350	Engineering Mechanics-Dynamics	3
ENG 102 or SPE 115	English Composition or Speech		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
PHS 102	Astronomy		3	PHYSICS 1505	Introductory Astronomy (or other chemistry, geology, biology, physics, or astronomy course that is not otherwise required for the degree) Applies to	3
	<i>No free electives applied to the degree.</i>				the degree as a basic science elective	3
	Group 2 Major Requirements		16		Maximum Free Electives	0
	Group 1 Core Requirements		34		Group 2 Major Requirements	15
	Total Hours		50		Group 1 Core Requirements	30
					Total Hours*	45

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

Ceramic Engineering Group 2 Major Requirements

<u>John A. Logan College</u>		<u>Semester</u>	<u>Missouri S&T</u>	
HIS 201 or HIS 202 or HIS 102 or PSC 131 PHY 201	US History I or History II or Western Civilization or American Government Statics	US 3 4	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200 CIV ENG 2200	American History to 1877 or American History since 1877 or Modern Western Civilization or American Government Engineering Mechanics-Statics
CHM 201	Organic Chemistry I	5	CHEM 2210/2219	Organic Chemistry I and Lab (Not a specific requirement. Will satisfy technical elective requirement.)
CHM 152	Chemical Principles with Qualitative Analysis	5	CHEM 1320	General Chemistry II
ENG 102 or SPE 115	English Composition or Speech	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		20	Group 2 Major Requirements	
Group 1 Core Requirements		34	Group 1 Core Requirements	
Total Hours		54	Total Hours*	
			50	

*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>John A. Logan College</u>		<u>Semester</u>	<u>Missouri S&T</u>	
ENG 102	English Composition	3	ENGLISH 1160	Writing and Research
HIS 201 or HIS 202 or HIS 102 or PSC 131	US History I or History II or Western Civilization or American Government	US 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
CHM 152	Chemical Principles with Qualitative Analysis	5	CHEM 1320	General Chemistry II
CHM 201	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I
CHM 202	Organic Chemistry II	5	CHEM 2220	Organic Chemistry II (Will satisfy science elective requirement.)
CPS 203	Intro to Scientific Programming	3	CS 1971, 1981	Intro to Programming Method 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		24	Group 2 Major Requirements	
Group 1 Core Requirements		34	Group 1 Core Requirements	
Total Hours		58	Total Hours*	
			56	

*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>John A. Logan College</u>		<u>Semester</u>	<u>Missouri S&T</u>	
ENG 102	English Composition	3	ENGLISH 1160	Writing and Research
HIS 201 or HIS 202 or HIS 102 or PSC 131	US History I or History II or Western Civilization or American Government	US 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
CHM 152	Chemical Principles with Qualitative Analysis	5	CHEM 1320	General Chemistry II
CHM 201	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I
CHM 202	Organic Chemistry II	5	CHEM 2220	Organic Chemistry II (Will satisfy science elective requirement.)
CPS 203	Intro to Scientific Programming	3	CS 1971, 1981	Intro to Programming Method 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		24	Group 2 Major Requirements	
Group 1 Core Requirements		34	Group 1 Core Requirements	
Total Hours		58	Total Hours*	
			56	

*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

John A. Logan College		Semester	Missouri S&T		
ENG 102 or SPE 115	English Composition or Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIS 201 or HIS 202 or HIS 102 or PSC 131	US History I or History II or Western Civilization or 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
PHY 201	Statics	4	CIV ENG 2200	Engineering Mechanics-Statics	3
PHY 202	Dynamics	3	MECH ENG 2350	Engineering Mechanics-Dynamics	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
		13			15
Group 2 Major Requirements			Group 2 Major Requirements		
Group 1 Core Requirements		34	Group 1 Core Requirements		30
Total Hours		47	Total Hours*		45

*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

John A. Logan College		Semester	Missouri S&T		
SPE 115	Speech	3	SPMS 1185	Public Speaking	3
ENG 102	English Composition	3	ENGLISH 1160	Writing and Research	3
HIS 201 or HIS 202 or HIS 102 or PSC 131	US History I or History II or Western Civilization or 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
MAT 125	Discrete Structures	3	CS 1200	Discrete Math for Computer Science	3
CPS 215	Data Structures	3	CS 1575	Data Structures	3
Phy 201 and PHY 202	Statics and Dynamics	7	CIV ENG 2200 and MECH ENG 2350	Engineering Mechanics-Statics and Engineering Mechanics-Dynamics <small>(Both courses combined will satisfy a required engineering science elective.)</small>	6
PHY 215	Intro to Circuit Analysis	4	EE 2100**	Circuits I <small>**A passing grade on the Missouri S&T EE Advancement Exam I is required to receive credit for EE 2100.</small>	3
MAT 221	Intro to Linear Algebra	3	MATH 3108	Linear Algebra <small>(Will satisfy a required math elective.)</small>	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
		29			33
Group 2 Major Requirements			Group 2 Major Requirements		
Group 1 Core Requirements		34	Group 1 Core Requirements		30
Total Hours		63	Total Hours*		63

*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

John A. Logan College		Semester	Missouri S&T		
SPE 115	Speech	3	SPMS 1185	Public Speaking	3
ENG 102	English Composition	3	ENGLISH 1160	Writing and Research	3
HIS 201 or HIS 202 or HIS 102 or PSC 131	US History I or History II or Western Civilization or 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
Phy 201 and PHY 202	Statics and Dynamics	7	CIV ENG 2200 and MECH ENG 2350	Engineering Mechanics-Statics and Engineering Mechanics-Dynamics <small>(Both courses combined will satisfy a required engineering science elective.)</small>	6
PHY 215	Intro to Circuit Analysis	4	EE 2100**	Circuits I <small>**A passing grade on the Missouri S&T EE Advancement Exam I is required to receive credit for EE 2100.</small>	3
MAT 221	Intro to Linear Algebra	3	MATH 3108	Linear Algebra	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
		23			27
Group 2 Major Requirements			Group 2 Major Requirements		
Group 1 Core Requirements		34	Group 1 Core Requirements		30
Total Hours		57	Total Hours*		57

*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>John A. Logan College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
PSY 132	General Psychology	3	PSYCH 1101	General Psychology	3
HIS 201 or HIS 202 or HIS 102 or PSC 131	US History I or History II or Western Civilization or 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
ENG 102 or SPE 115	English Composition or Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
PHY 215	Intro to Circuit Analysis	4	CS 1972, 1982	Intro to MATLAB Programming and Lab	3
PHY 201	Statics	4	EE 2800	Circuit Analysis I	3
PHY 202	Dynamics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
	<i>See your advisor for course options.</i>		MECH ENG 2350	Engineering Mechanics-Dynamics	3
	<i>See your advisor for course options.</i>			Humanities/Social Science Elective	3
				Maximum Free Electives	3
	Group 2 Major Requirements	20		Group 2 Major Requirements	27
	Group 1 Core Requirements	34		Group 1 Core Requirements	30
	Total Hours	54		Total Hours*	57

*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>John A. Logan College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 102 or SPE 115	English Composition or Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIS 201 or HIS 202 or HIS 102	US History I or History II or Western Civilization	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
CHM 152	Chemical Principles with Qualitative Analysis	5	CHEM 1320	General Chemistry II	3
BIO 101	Biological Science	3	BIO SCI 1113	General Biology	4
PHY 201	Statics	4	CIV ENG 2200	Engineering Mechanics-Statics	3
PHY 202	Dynamics	3	MECH ENG 2350	Engineering Mechanics-Dynamics	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	21		Group 2 Major Requirements	22
	Group 1 Core Requirements	34		Group 1 Core Requirements	30
	Total Hours	55		Total Hours*	52

*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>John A. Logan College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 102 or SPE 115	English Composition or Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIS 201 or HIS 202 or HIS 102 or PSC 131	US History I or History II or Western Civilization or 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
PHY 201	Statics	4	CIV ENG 2200	Engineering Mechanics-Statics	3
PHY 202	Dynamics	3	MECH ENG 2350	Engineering Mechanics-Dynamics	3
BIO 101 or CHM 152 or CHM 201	Biological Science or Chemical Principles with Qualitative Analysis or Organic Chemistry I	3	BIO SCI 1113 or CHEM 1320 or CHEM 2210	General Biology or General Chemistry II or Organic Chemistry 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	16		Group 2 Major Requirements	18
	Group 1 Core Requirements	34		Group 1 Core Requirements	30
	Total Hours	50		Total Hours*	48

*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>John A. Logan College</u>		<u>Semester</u>	<u>Missouri S&T</u>	
HIS 201 or HIS 202 or HIS 102 or PSC 131 ENG 102 or SPE 115	US History I or History II or Western Civilization or American Government English Composition or Speech	US 3 3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200 or POL SCI 1200 ENGLISH 1160 or SPMS 1185	American History to 1877 or American History since 1877 or Modern Western Civilization or American Government Writing and Research or Principles of Speech
CPS 203	Intro to Scientific Programming	3	CS 1971, 1981	Intro to Programming Method and Lab (C++)
PHY 215	Intro to Circuit Analysis	4	EE 2800	Circuit Analysis I
PHY 201	Statics	4	CIV ENG 2200	Engineering Mechanics-Statics
MAT 221	Intro to Linear Algebra	3	MATH 3108	Linear Algebra I <small>(Will satisfy the Advanced Math/Comp Sci elective requirement.)</small>
				Literature 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		11	Group 2 Major Requirements	
Group 1 Core Requirements		34	Group 1 Core Requirements	
Total Hours		45	Total Hours*	
			15	
			30	
			45	

*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>John A. Logan College</u>		<u>Semester</u>	<u>Missouri S&T</u>	
ENG 102 or SPE 115	English Composition or Speech	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech
HIS 201 or HIS 202 or HIS 102 or PSC 131	US History I or History II or Western Civilization or American Government	US 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
PHY 201	Statics	4	CIV ENG 2200	Engineering Mechanics-Statics
CHM 152	Chemical Principles with Qualitative Analysis	5	CHEM 1320	General Chemistry II
CHM 201 or PHY 215	Organic Chemistry I or Intro to Circuit Analysis	5	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>
<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>See your advisor for course options.</i>				Maximum Free Electives
Group 2 Major Requirements		20	Group 2 Major Requirements	
Group 1 Core Requirements		34	Group 1 Core Requirements	
Total Hours		54	Total Hours*	
			26	
			30	
			56	

*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>John A. Logan College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 102	English Composition	3	ENGLISH 1160	Writing and Research	3
HIS 201 or	US History I or	US	HISTORY 1300 or	American History to 1877 or	
HIS 202 or	History II or		HISTORY 1310 or	American History since 1877 or	
HIS 102 or	Western Civilization or	3	HISTORY 1200 or	Modern Western Civilization or	3
PSC 131	American Government		POL SCI 1200	American Government	
PHY 201	Statics	4	CIV ENG 2200*	Engineering Mechanics-Statics	3
PHY 202	Dynamics	3	MECH ENG 2350*	Engineering Mechanics-Dynamics	3
			<small>*The combination of CIV ENG 2200 and MECH ENG 2350 will be substituted for MECH ENG 2340.</small>		
			Humanities/Social Science Elective		3
			Humanities/Social Science Elective		3
			Maximum Free Electives		0
Group 2 Major Requirements		13	Group 2 Major Requirements		18
Group 1 Core Requirements		34	Group 1 Core Requirements		30
Total Hours		47	Total Hours*		48

*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>John A. Logan College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 102	English Composition	3	ENGLISH 1160	Writing and Research	3
HIS 201 or	US History I or	US	HISTORY 1300 or	American History to 1877 or	
HIS 202 or	History II or		HISTORY 1310 or	American History since 1877 or	
HIS 102 or	Western Civilization or	3	HISTORY 1200 or	Modern Western Civilization or	3
PSC 131	American Government		POL SCI 1200	American Government	
					3
CPS 203	Intro to Scientific Programming	3	CS 1971, 1981	Intro to Programming Method and Lab (C++)	4
PHY 201	Statics	4	CIV ENG 2200	Engineering Mechanics-Statics	3
			Humanities/Social Science Elective		3
			Humanities/Social Science Elective		3
			Maximum Free Electives		6
Group 2 Major Requirements		13	Group 2 Major Requirements		21
Group 1 Core Requirements		34	Group 1 Core Requirements		30
Total Hours		47	Total Hours*		51

*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>John A. Logan College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 102	English Composition	3	ENGLISH 1160	Writing and Research	3
HIS 201 or	US History I or	US	HISTORY 1300 or	American History to 1877 or	
HIS 202 or	History II or		HISTORY 1310 or	American History since 1877 or	
HIS 102 or	Western Civilization or	3	HISTORY 1200 or	Modern Western Civilization or	3
PSC 131	American Government		POL SCI 1200	American Government	
PHY 201	Statics	4	CIV ENG 2200	Engineering Mechanics-Statics	3
PHY 202	Dynamics	3	MECH ENG 2350	Engineering Mechanics-Dynamics	3
			Humanities/Social Science Elective		3
			Humanities/Social Science Elective		3
			Maximum Free Electives		0
Group 2 Major Requirements		7	Group 2 Major Requirements		12
Group 1 Core Requirements		34	Group 1 Core Requirements		30
Total Hours		41	Total Hours*		42

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