

Lindenwood University — Missouri S&T

General Engineering Transfer Guide

Effective as of Fall 2023

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>Lindenwood University</u>			<u>Semester</u>	<u>Missouri S&T</u>			
MTH 27100	Calculus I	4	MATH 1214	Calculus I	Grade of C or better is required.	4	
MTH 27200	Calculus II	4	MATH 1215	Calculus II	Grade of C or better is required.	4	
MTH 30300	Calculus III	4	MATH 2222	Calculus III	Grade of C or better is required.	4	
MTH 31100	Differential Equations	3	MATH 3304	Elementary Differential Equations		3	
PHY 30100	General Physics	3	PHYSICS 1135	Engineering Physics I	Grade of C or better is required.	4	
PHY 30200	General Physics II	3	PHYSICS 2135	Engineering Physics II	Grade of C or better is required.	4	
CHM 23100, 24100	General Chemistry II and Lab	4	CHEM 1310, 1319	General Chemistry I and Lab		5	
ENGL 15000	Composition I	3	ENGLISH 1120	Exposition and Argumentation		3	
ECON 23020 or ECON 23030	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics		3	
Total Hours			31	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 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 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>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
ENG 17000 or COM 11000	Composition II or Fundamentals of Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
CSC 14400	Computer Science I	4	CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
EGR 36100	Circuit Theory I	3	EE 2800	Circuit Analysis I	3
MTH 31500	Linear Algebra I	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 Elective	3		Ethics Elective <small>Engineering, business, bio, social or other ethics approved by advisor.</small>	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	22		Group 2 Major Requirements	21
	Group 1 Core Requirements	31		Group 1 Core Requirements	34
	Total Hours	53		Total Hours*	55

*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>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HIST 11100 or HIST 11200	US History: Colony to New Republic or US History: New Republic to World Power	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
HSS Elective	Humanities/Social Science Elective: history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language	3	HSS Elective	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>	0		Maximum Free Electives	0
	Group 2 Major Requirements	6		Group 2 Major Requirements	6
	Group 1 Core Requirements	31		Group 1 Core Requirements	34
	Total Hours	37		Total Hours*	40

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

Ceramic Engineering Group 2 Major Requirements

<u>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government
CHM 36100	Organic Chemistry I	4	CHEM 2210	Organic Chemistry I (Will satisfy the advanced chemistry elective requirement.)
CHM 23200	General Chemistry III	3	CHEM 1320	General Chemistry II
ENG 17000 or COM 11000 or HSS Elective	Composition II or Fundamentals of Oral Communication 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 Humanities/Social Science Elective: history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language
	Humanities/Social Science Elective	3		Humanities/Social Science Elective
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives
	Group 2 Major Requirements	16		Group 2 Major Requirements
	Group 1 Core Requirements	31		Group 1 Core Requirements
	Total Hours	31		Total Hours*
				50

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

Chemical Engineering Group 2 Major Requirements

<u>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government
CHM 23200	General Chemistry III	3	CHEM 1320	General Chemistry II
CHM 36100	Organic Chemistry I	4	CHEM 2210, 2219*	Organic Chemistry I and Lab* *The lab is not required for the degree, will transfer as 1 of the 9 science elective credits (below).
CHM 36200	Organic Chemistry II	4	CHEM 2220	Organic Chemistry II (Will satisfy science elective requirement. Select up to 9 hours from these options or CHEM 2219 Organic Chemistry Lab.)
DSCI 11000 or CSC 24400 or CSC 36000 or CSC 14400*	Intro to Data Science (3) or Computer Science II (4) or Data Structures and Algorithms (3) or Computer Science I* (4)	3	CS 1500 or CS 1971,1981*	Computational Problem Solving (3) or Intro to Programming Methodology and Lab* C++ *Course will be substituted for CS 1500.
COM 11000	Fundamentals of Oral Communication	3	SP&MS 1185	Principles of Speech
	Humanities/Social Science Elective	3		Humanities/Social Science Elective
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives
	Group 2 Major Requirements	23		Group 2 Major Requirements
	Group 1 Core Requirements	31		Group 1 Core Requirements
	Total Hours	54		Total Hours*
				56

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

Chemical Engineering - Biochemical Engineering Emphasis Group 2 Major Requirements

<u>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government
CHM 23200	General Chemistry III	3	CHEM 1320	General Chemistry II
CHM 36100	Organic Chemistry I	4	CHEM 2210, 2219*	Organic Chemistry I and Lab* <small>*The lab is not required for the degree, will transfer as 1 of the 9 science elective credits (below).</small>
CHM 36200	Organic Chemistry II	4	CHEM 2220	Organic Chemistry II <small>(Will satisfy science elective requirement. Select up to 9 hours from these options or CHEM 2219 Organic Chemistry Lab.)</small>
DSCI 11000 or CSC 24400 or CSC 36000 or CSC 14400*	Intro to Data Science (3) or Computer Science II (4) or Data Structures and Algorithms (3) or Computer Science I* (4)	3	CS 1500 or CS 1971,1981*	Computational Problem Solving (3) or Intro to Programming Methodology and Lab* C++ <small>*Course will be substituted for CS 1500.</small>
COM 11000	Fundamentals of Oral Communication	3	SP&MS 1185	Principles of Speech
	Humanities/Social Science Elective	3		Humanities/Social Science Elective
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives
	Group 2 Major Requirements	23		Group 2 Major Requirements
	Group 1 Core Requirements	31		Group 1 Core Requirements
	Total Hours	54		Total Hours*
				56

*S&T advisor permission is required to transfer more than 70 credits toward the S&T Chemical/Biochemical Engineering degree.

Civil Engineering Group 2 Major Requirements

<u>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
ENG 17000 or COM 11000	Composition II or Fundamentals of Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government
	Humanities/Social Science Elective	3		Humanities/Social Science Elective
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives
	Group 2 Major Requirements	9		Group 2 Major Requirements
	Group 1 Core Requirements	31		Group 1 Core Requirements
	Total Hours	40		Total Hours*
				43

*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>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
COM 11000	Fundamentals of Oral Communication	3	SPMS 1185	Principles of Speech	3
ENG 17000	Composition II	3	ENGLISH 1160	Writing and Research	3
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CSC 24400 or CSC 36000 or DSCI 11000	Computer Science II (4) or Data Structures and Algorithms (3) or Intro to Data Sciences (3)	3	CS 1500	Computational Problem Solving	3
EGR 33500 or PHY 30300 or CHM 36100	Engineering Mechanics -Statics and Dynamics (3) or Modern Physics (3) or Organic Chemistry I (4)	3	MECH ENG 2340 or PHYSICS 2311 or CHEM 2210	Statics and Dynamics (3) or Modern Physics I (3) Organic Chemistry I (4)	3
EGR 36100	Circuit Theory I	3	EE 2100**	Circuits I **A passing grade on the Missouri S&T EE Advancement Exam I is required to receive credit for EE 2100.	3
MTH 31500	Linear Algebra I	3	MATH 3108	Linear Algebra (Will satisfy a required math elective.)	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
	Maximum Free Electives	3		Maximum Free Electives	3
	Group 2 Major Requirements	27		Group 2 Major Requirements	27
	Group 1 Core Requirements	31		Group 1 Core Requirements	34
	Total Hours	58		Total Hours*	61

*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>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
COM 11000	Fundamentals of Oral Communication	3	SPMS 1185	Principles of Speech	3
ENG 17000	Composition II	3	ENGLISH 1160	Writing and Research	3
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CSC 14400 or CSC 24400 or CSC 36000	Computer Science I (4) or Computer Science II (4) or Data Structures and Algorithms (3)	3-4	CS 1500	Computational Problem Solving	3
EGR 33500 or PHY 30300 or CHM 36100	Engineering Mechanics -Statics and Dynamics (3) or Modern Physics (3) or Organic Chemistry I (4)	3	MECH ENG 2340 or PHYSICS 2311 or CHEM 2210	Statics and Dynamics (3) or Modern Physics I (3) Organic Chemistry I (4)	3
EGR 36100	Circuit Theory I	3	EE 2100**	Circuits I **A passing grade on the Missouri S&T EE Advancement Exam I is required to receive credit for EE 2100.	3
MTH 31500	Linear Algebra I	3	MATH 3108	Linear Algebra	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
	Maximum Free Electives	3		Maximum Free Electives	3
	Group 2 Major Requirements	24		Group 2 Major Requirements	27
	Group 1 Core Requirements	31		Group 1 Core Requirements	34
	Total Hours	55		Total Hours*	61

*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>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
PSY 10000	Principles of Psychology	3	PSYCH 1101	General Psychology	3
HIST 11100 or	US History: Colony to New Republic or		HISTORY 1300 or	American History to 1877 or	
HIST 11200 or	US History: New Republic to World Power or	3	HISTORY 1310 or	American History since 1877 or	3
PS 15500	American Government: The Nation		POL SCI 1200	American Government	
COM 11000	Fundamentals of Oral Communication	3	SPMS 1185	Principles of Speech	3
ENG 17000	Composition II	3	ENGLISH 1160	Writing and Research	3
CSC 14400	Computer Science I	4	CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
EGR 36100	Circuit Theory I	3	EE 2800	Circuit Analysis I	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
	Maximum Free Electives	3		Maximum Free Electives	3
	Group 2 Major Requirements	25		Group 2 Major Requirements	24
	Group 1 Core Requirements	31		Group 1 Core Requirements	34
	Total Hours	56		Total Hours*	58

*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>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 17000 or	Composition II or	3	ENGLISH 1160 or	Writing and Research or	3
COM 11000	Fundamentals of Oral Communication		SPMS 1185	Principles of Speech	
HIST 11100 or	US History: Colony to New Republic or	3	HISTORY 1300 or	American History to 1877 or	3
HIST 11200	US History: New Republic to World Power		HISTORY 1310	American History since 1877	
CHM 23200	General Chemistry III	3	CHEM 1320	General Chemistry II	3
BSC 11000	Principles of Biology	3	BIO SCI 1113	General Biology	4
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	15		Group 2 Major Requirements	16
	Group 1 Core Requirements	31		Group 1 Core Requirements	34
	Total Hours	46		Total Hours*	50

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

Geological Engineering Group 2 Major Requirements

<u>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
BSC 11000 or CHM 23200 or CHM 36100	Principles of Biology or General Chemistry III or Organic Chemistry I	3	BIO SCI 1113 or CHEM 1320 or CHEM 2210	General Biology or General Chemistry II or Organic Chemistry I <small>or any 3-hour course in chemistry, geochemistry, or biology. Satisfies chemistry/geochemistry elective requirement.</small>	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	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	31		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>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
ENG 17000 or COM 11000	Composition II or Fundamentals of Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
CSC 14400	Computer Science I	4	CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
EGR 36100	Circuit Theory I	3	EE 2800	Circuit Analysis I	3
MTH 31500	Linear Algebra I	3	MATH 3108	Linear Algebra I <small>(Will satisfy the Advanced Math/Comp Sci elective requirement.)</small>	3
	Literature Elective	3		Literature Elective	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	22		Group 2 Major Requirements	21
	Group 1 Core Requirements	31		Group 1 Core Requirements	34
	Total Hours	53		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>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 17000 or COM 11000	Composition II or Fundamentals of Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHM 23200	General Chemistry III	3	CHEM 1320	General Chemistry II	3
CHM 36100 or PHY 30300 or EGR 36100	Organic Chemistry I (4) or Modern Physics (3) or Circuit Theory I (3)	3	CHEM 2210 or PHYSICS 2311 or EE 2800	Organic Chemistry I (4) or Modern Physics I (3) or Electrical Circuits (3)	3
	Humanities/Social Science Elective	3		<i>Not specifically required for the degree but will satisfy Out-of-Department Technical Elective Requirement.</i>	
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
	Maximum Free Electives	5		Maximum Free Electives	3
	Group 2 Major Requirements	23		Group 2 Major Requirements	21
	Group 1 Core Requirements	31		Group 1 Core Requirements	34
	Total Hours	54		Total Hours*	55

*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>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 17000	Composition II	3	ENGLISH 1160	Writing and Research	3
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	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	31		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 Mining Engineering degree.

Nuclear Engineering Group 2 Major Requirements

<u>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 17000 or COM 11000	Composition II or Fundamentals of Oral Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CSC 14400	Computer Science I	4	CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
MTH 31500	Linear Algebra I	3	MATH 3108	Linear Algebra I	3
EGR 36100	Circuit Theory I	3	EE 2800	Circuit Analysis I	3
PHY 30300	Modern Physics	3	PHYSICS 2311	Modern Physics I	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
	Maximum Free Electives	6		Maximum Free Electives	6
	Group 2 Major Requirements	31		Group 2 Major Requirements	30
	Group 1 Core Requirements	31		Group 1 Core Requirements	34
	Total Hours	62		Total Hours*	64

*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>Lindenwood University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 17000	Composition II	3	ENGLISH 1160	Writing and Research	3
HIST 11100 or HIST 11200 or PS 15500	US History: Colony to New Republic or US History: New Republic to World Power or American Government: The Nation	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
	Humanities/Social Science Elective	3		Humanities/Social Science Elective	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	31		Group 1 Core Requirements	34
	Total Hours	43		Total Hours*	46

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