

Ouachita Baptist 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>Ouachita Baptist University</u>			<u>Semester</u>	<u>Missouri S&T</u>		
MATH 2014	Calculus I	4	MATH 1214	Calculus for Engineers I	Grade of C or better is required.	4
MATH 2024	Calculus II	4	MATH 1215	Calculus for Engineers II	Grade of C or better is required.	4
MATH 3034	Calculus III	4	MATH 2222	Calculus with Analytic Geometry III	Grade of C or better is required.	4
MATH 3043	Differential Equations	3	MATH 3304	Elementary Differential Equations		3
PHYS 2004	University Physics I	4	PHYSICS 1135	Engineering Physics I	Grade of C or better is required.	4
PHYS 2014	University Physics II	4	PHYSICS 2135	Engineering Physics II	Grade of C or better is required.	4
CHEM 1004	General Chemistry I	4	CHEM 1310, 1319	General Chemistry I and Lab		5
PHYS 1121	Intro to Physics and Engineering	1	FR ENG 1100	Study and Careers in Engineering		1
CORE 1043	Composition I	3	ENGLISH 1120	Exposition and Argumentation		3
ECON 2023 or	Principles of Microeconomics or	3	ECON 1100 or	Principles of Microeconomics or		3
ECON 2013	Principles of Macroeconomics		ECON 1200	Principles of Macroeconomics		3
Total Hours			34			Total Hours
						35

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>Quachita Baptist University</u>	<u>Semester</u>		<u>Missouri S&T</u>	
HIST 2003 or HIST 2013	United States History to 1877 or United States History Since 1877	3	HISTORY 1300 or HISTORY 1310 or ENGLISH 1160 or SPMS 1185	American History to 1877 or American History since 1877 or Writing and Research or Principles of Speech	3
CORE 1053 or COMM 1003	Composition II or Fundamentals of Public Speaking	3	CS 1570	Intro to Programming (C++)	3
CSCI 1044 and CSCI 1064 and CSCI 2103	Programming I and Programming II and Data Structures <small>Note: All 3 courses must be taken to receive transfer credit.</small>	11			3
PHYS 3123	Electric Circuits	3	EE 2800	Circuit Analysis I	3
PHYS 2123	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
PHYS 3203	Strength of Materials	3	CIV ENG 2210	Mechanics of Materials	3
MATH 3093 or MATH 3063	Linear Algebra or Probability and Statistics	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	29		Group 2 Major Requirements	27
	Group 1 Core Requirements	34		Group 1 Core Requirements	35
	Total Hours	63		Total Hours*	62

*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

	<u>Quachita Baptist University</u>	<u>Semester</u>		<u>Missouri S&T</u>	
HIST 2003 or HIST 2013	United States History to 1877 or United States History Since 1877	3	HISTORY 1300 or HISTORY 1310 or ENGLISH 1160 or SPMS 1185 or HSS Elective	American History to 1877 or American History since 1877 or Writing and Research or Public Speaking or Humanities/Social Science Elective: history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language	3
PHYS 2123	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
PHYS 3203	Strength of Materials	3	CIV ENG 2210	Mechanics of Materials	3
MATH 3063	Probability and Statistics	3	STAT 3115	Engineering Statistics <small>(Will be substituted for STAT 3113.)</small>	3
CORE 1053 or COMM 1003	Composition II or Fundamentals of Public Speaking	3			3
	<i>No free electives applied to the degree.</i>			Maximum Free Electives	0
	Group 2 Major Requirements	15		Group 2 Major Requirements	15
	Group 1 Core Requirements	34		Group 1 Core Requirements	35
	Total Hours	49		Total Hours*	50

*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>Ouachita Baptist University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HIST 2003 or HIST 2013	United States History to 1877 or United States History Since 1877	3	HISTORY 1300 or HISTORY 1310 or	American History to 1877 or American History since 1877 or	3
PHYS 2123	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
PHYS 3203	Strength of Materials	3	CIV ENG 2210	Mechanics of Materials	3
CHEM 3004	Organic Chemistry I	4	CHEM 2210/2219	Organic Chemistry I and Lab <small>(Not a specific requirement. Will satisfy technical elective requirement.)</small>	5
CHEM 1014	General Chemistry II	4	CHEM 1320	General Chemistry II	3
MATH 3063	Probability and Statistics	3	STAT 3115	Engineering Statistics	3
CORE 1053 or COMM 1003	Composition II or Fundamentals of Public Speaking	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	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	23		Group 2 Major Requirements	26
	Group 1 Core Requirements	34		Group 1 Core Requirements	35
	Total Hours	57		Total Hours*	61

*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>Ouachita Baptist University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
CORE 1053	Composition II	3	ENGLISH 1160	Writing and Research	3
HIST 2003 or HIST 2013	United States History to 1877 or United States History Since 1877	3	HISTORY 1300 or HISTORY 1310 or	American History to 1877 or American History since 1877 or	3
CHEM 1014	General Chemistry II	4	CHEM 1320	General Chemistry II	5
CHEM 3004	Organic Chemistry I	4	CHEM 2210	Organic Chemistry I	3
CHEM 3104	Organic Chemistry II	4	CHEM 2220	Organic Chemistry II (Will satisfy science elective requirement.)	3
CSCI 1044 and CSCI 1064 and CSCI 2103	Programming I and Programming II and Data Structures	11	CS 1570	Intro to Programming (C++)	3
	<small>Note: All 3 courses must be taken to receive transfer credit.</small>				
MATH 3063	Probability and Statistics	3	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	32		Group 2 Major Requirements	29
	Group 1 Core Requirements	34		Group 1 Core Requirements	35
	Total Hours	66		Total Hours*	64

*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>Ouachita Baptist University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
CORE 1053	Composition II	3	ENGLISH 1160	Writing and Research	3
HIST 2003 or HIST 2013	United States History to 1877 or United States History Since 1877	3	HISTORY 1300 or HISTORY 1310 or	American History to 1877 or American History since 1877 or	3
CHEM 1014	General Chemistry II	4	CHEM 1320	General Chemistry II	5
CHEM 3004	Organic Chemistry I	4	CHEM 2210	Organic Chemistry I	3
CHEM 3104	Organic Chemistry II	4	CHEM 2220	Organic Chemistry II (Will satisfy science elective requirement.)	3
CSCI 1044 and CSCI 1064 and CSCI 2103	Programming I and Programming II and Data Structures	11	CS 1570	Intro to Programming (C++)	3
	<small>Note: All 3 courses must be taken to receive transfer credit.</small>				
MATH 3063	Probability and Statistics	3	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	32		Group 2 Major Requirements	29
	Group 1 Core Requirements	34		Group 1 Core Requirements	35
	Total Hours	66		Total Hours*	64

*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>Ouachita Baptist University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
CORE 1053 or	Composition II or	3	ENGLISH 1160 or	Writing and Research or
COMM 1003	Fundamentals of Public Speaking		SPMS 1185	Principles of Speech
HIST 2003 or	United States History to 1877 or	3	HISTORY 1300 or	American History to 1877 or
HIST 2013	United States History Since 1877		HISTORY 1310 or	American History since 1877 or
PHYS 2123	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics
PHYS 3203	Strength of Materials	3	CIV ENG 2210	Mechanics of Materials
MATH 3063	Probability and Statistics	3	STAT 3115	Engineering Statistics (Will be substituted for STAT 3113.)
<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		15	Group 2 Major Requirements	
Group 1 Core Requirements		34	Group 1 Core Requirements	
Total Hours		49	Total Hours*	
			53	

*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>Ouachita Baptist University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
COMM 1003	Fundamentals of Public Speaking	3	SPMS 1185	Public Speaking
CORE 1053	Composition II	3	ENGLISH 1160	Writing and Research
HIST 2003 or	United States History to 1877 or	3	HISTORY 1300 or	American History to 1877 or
HIST 2013	United States History Since 1877		HISTORY 1310 or	American History since 1877 or
CSCI 1044 and	Programming I and	11	CS 1570 and	Intro to Programming (C++) and
CSCI 1064 and	Programming II and		CS 1575	Data Structures
CSCI 2103	Data Structures			
<i>Note: All 3 courses must be taken to receive transfer credit.</i>				
PHYS 3123	Electric Circuits	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.
MATH 3093	Linear Algebra	3	MATH 3108	Linear Algebra (Will satisfy a required math elective.)
MATH 3063	Probability and Statistics	3	STAT 3115	Engineering Statistics (Will be substituted for STAT 3117.)
<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		29	Group 2 Major Requirements	
Group 1 Core Requirements		34	Group 1 Core Requirements	
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

<u>Ouachita Baptist University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
COMM 1003	Fundamentals of Public Speaking	3	SPMS 1185	Public Speaking
CORE 1053	Composition II	3	ENGLISH 1160	Writing and Research
HIST 2003 or	United States History to 1877 or	3	HISTORY 1300 or	American History to 1877 or
HIST 2013	United States History Since 1877		HISTORY 1310 or	American History since 1877 or
CSCI 1044 and	Programming I and	11	CS 1570	Intro to Programming (C++)
CSCI 1064 and	Programming II and			
CSCI 2103	Data Structures			
<i>Note: All 3 courses must be taken to receive transfer credit.</i>				
PHYS 3123	Electric Circuits	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.
MATH 3093	Linear Algebra	3	MATH 3108	Linear Algebra
MATH 3063	Probability and Statistics	3	STAT 3115	Engineering Statistics (Will be substituted for STAT 3117.)
<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		29	Group 2 Major Requirements	
Group 1 Core Requirements		34	Group 1 Core Requirements	
Total Hours		63	Total Hours*	
			63	

*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>Ouachita Baptist University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
PSYC 1013	General Psychology	3	PSYCH 1101	General Psychology	3
HIST 2003 or HIST 2013	United States History to 1877 or United States History Since 1877	3	HISTORY 1300 or HISTORY 1310 or	American History to 1877 or American History since 1877 or	3
CORE 1053 or COMM 1003	Composition II or Fundamentals of Public Speaking	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
PHYS 3123	Electric Circuits	3	EE 2800	Circuit Analysis I	3
PHYS 2123	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
PHYS 3203	Strength of Materials	3	CIV ENG 2210	Mechanics of Materials	3
MATH 3063	Probability and Statistics	3	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		21	Group 2 Major Requirements		27
Group 1 Core Requirements		34	Group 1 Core Requirements		35
Total Hours		55	Total Hours*		62

*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>Ouachita Baptist University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
CORE 1053 or COMM 1003	Composition II or Fundamentals of Public Speaking	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIST 2003 or HIST 2013	United States History to 1877 or United States History Since 1877	3	HISTORY 1300 or HISTORY 1310 or	American History to 1877 or American History since 1877 or	3
CHEM 1014	General Chemistry II	4	CHEM 1320	General Chemistry II	3
PHYS 2123	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
PHYS 3203	Strength of Materials	3	CIV ENG 2210	Mechanics of Materials	3
MATH 3063	Probability and Statistics	3	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		19	Group 2 Major Requirements		21
Group 1 Core Requirements		34	Group 1 Core Requirements		35
Total Hours		53	Total Hours*		56

*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>Ouachita Baptist University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
CORE 1053 or COMM 1003	Composition II or Fundamentals of Public Speaking	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIST 2003 or HIST 2013	United States History to 1877 or United States History Since 1877	3	HISTORY 1300 or HISTORY 1310 or	American History to 1877 or American History since 1877 or	3
PHYS 2123	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
PHYS 3203	Strength of Materials	3	CIV ENG 2210	Mechanics of Materials	3
CHEM 1014 or CHEM 3004	General Chemistry II or Organic Chemistry I	4	CHEM 1320 or CHEM 2210	General Chemistry II or Organic Chemistry I	
<i>See your advisor for course options.</i>			<i>or any 3-hour course in chemistry, geochemistry, or biology</i>		
<i>See your advisor for course options.</i>				Humanities/Social Science Elective	3
<i>No free electives applied to the degree.</i>				Humanities/Social Science Elective	3
Group 2 Major Requirements		16	Group 2 Major Requirements		18
Group 1 Core Requirements		34	Group 1 Core Requirements		35
Total Hours		50	Total Hours*		53

*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>Quachita Baptist University</u>	<u>Semester</u>		<u>Missouri S&T</u>	
HIST 2003 or HIST 2013	United States History to 1877 or United States History Since 1877	3	HISTORY 1300 or HISTORY 1310 or ENGLISH 1160 or SPMS 1185	American History to 1877 or American History since 1877 or Writing and Research or Principles of Speech	3
CORE 1053 or COMM 1003	Composition II or Fundamentals of Public Speaking	3	CS 1570	Intro to Programming (C++)	3
CSCI 1044 and CSCI 1064 and CSCI 2103	Programming I and Programming II and Data Structures	11			3 3 4
<small>Note: All 3 courses must be taken to receive transfer credit.</small>					
PHYS 3123	Electric Circuits	3	EE 2800	Circuit Analysis I	3
PHYS 2123	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
PHYS 3203	Strength of Materials	3	CIV ENG 2210	Mechanics of Materials	3
MATH 3093 or MATH 3063	Linear Algebra or Probability and Statistics	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
		12			18
		34			35
		46			53
		Total Hours			Total Hours*

*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>Quachita Baptist University</u>	<u>Semester</u>		<u>Missouri S&T</u>	
CORE 1053 or COMM 1003	Composition II or Fundamentals of Public Speaking	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HIST 2003 or HIST 2013	United States History to 1877 or United States History Since 1877	3	HISTORY 1300 or HISTORY 1310 or	American History to 1877 or American History since 1877 or	3
PHYS 2123	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
MATH 3063	Probability and Statistics	3	STAT 3115	Engineering Statistics	3
PHYS 3203	Strength of Materials	3	CIV ENG 2210	Mechanics of Materials	3
CHEM 1014	General Chemistry II	4	CHEM 1320	General Chemistry II	3
CHEM 3004 or PHYS 3123	Organic Chemistry I or Electric Circuits	3	CHEM 2210 or EE 2800	Organic Chemistry I or Electrical Circuits	3
<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	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
		22			32
		34			35
		56			67
		Total Hours			Total Hours*

*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>Quachita Baptist University</u>	<u>Semester</u>	<u>Missouri S&T</u>			
CORE 1053	Composition II	3	ENGLISH 1160	Writing and Research	3
HIST 2003 or	United States History to 1877 or		HISTORY 1300 or	American History to 1877 or	
HIST 2013	United States History Since 1877	3	HISTORY 1310 or	American History since 1877 or	3
MATH 3063	Probability and Statistics	3	STAT 3115	Engineering Statistics	3
PHYS 3203	Strength 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	12		Group 2 Major Requirements	18
	Group 1 Core Requirements	34		Group 1 Core Requirements	35
	Total Hours	46		Total Hours*	53

*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>Quachita Baptist University</u>	<u>Semester</u>	<u>Missouri S&T</u>			
CORE 1053	Composition II	3	ENGLISH 1160	Writing and Research	3
HIST 2003 or	United States History to 1877 or		HISTORY 1300 or	American History to 1877 or	
HIST 2013	United States History Since 1877	3	HISTORY 1310 or	American History since 1877 or	3
CSCI 1044 and	Programming I and		CS 1570	Intro to Programming (C++)	3
CSCI 1064 and	Programming II and				
CSCI 2103	Data Structures	11			3
	<small>Note: All 3 courses must be taken to receive transfer credit.</small>				4
PHYS 2123	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
PHYS 3203	Strength of Materials	3	CIV ENG 2210	Mechanics of Materials	3
MATH 3063	Probability and Statistics	3	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	26		Group 2 Major Requirements	27
	Group 1 Core Requirements	34		Group 1 Core Requirements	35
	Total Hours	60		Total Hours*	62

*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>Quachita Baptist University</u>	<u>Semester</u>	<u>Missouri S&T</u>			
CORE 1053	Composition II	3	ENGLISH 1160	Writing and Research	3
HIST 2003 or	United States History to 1877 or		HISTORY 1300 or	American History to 1877 or	
HIST 2013	United States History Since 1877	3	HISTORY 1310 or	American History since 1877 or	3
PHYS 2123	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
PHYS 3203	Strength of Materials	3	CIV ENG 2210	Mechanics of Materials	3
MATH 3063	Probability and Statistics	3	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	9		Group 2 Major Requirements	15
	Group 1 Core Requirements	34		Group 1 Core Requirements	35
	Total Hours	43		Total Hours*	50

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