

Hannibal-LaGrange University — Missouri S&T

General Engineering

Transfer Guide Effective as of Fall 2024

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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
MTH 185	Analytic Geometry and Calculus I	5	MATH 1214	Calculus I	4
MTH 186	Calculus II	5	MATH 1215	Calculus II	4
MTH 215	Calculus III	5	MATH 2222	Calculus III	4
MTH 223	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
CHM 135	College Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
ENG 104	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ECO 223 or ECO 213	Principles of Economics II (Micro) or Principles of Economics I (Macro)	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
Total Hours		29	Total Hours		26

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
Biomedical Engineering/Biomaterials or Biomaterials
Ceramic Engineering
Chemical Engineering and 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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
ENG 106 or CAS 101	English Composition II or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
MTH 354	Linear Algebra	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	Ethics Elective <small>Engineering, business, bio, social or other ethics approved by advisor.</small>	3	Ethics	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	15		Group 2 Major Requirements	15
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	44		Total Hours*	41

*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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HST 213 or HST 223	US History I or US History II	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
Humanities or Social Science or Communication	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language or one communication course from this list: ENG 106, CAS 101.	3	Humanities or Social Science or Communication	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language or one communication course from this list: ENGLISH 1160, 1600, 3560 or SPMS 1185.	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	29		Group 1 Core Requirements	26
	Total Hours	35		Total Hours*	32

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

Biomedical Engineering-Biomanufacturing Group 2 Major Requirements

<u>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
CAS 101	Intro to Speech Communication	3	SP&MS 1185	Principles of Speech	3
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHM 145	College Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.</small>	3
CHM 335	Organic Chemistry I	5	CHEM 2210, 2219 CHEM 2220, 2229 or BIO SCI 1113, 1219 or BIO SCI 2223	Organic Chemistry I and Lab Organic Chemistry II and Lab or General Biology and Lab or General Genetics <small>Applies to degree as Track Elective.</small>	4
CHM 345 or BIO 105, 105L	Organic Chemistry II (5) or General Biology and Lab (4)	4		General Biology and Lab or General Genetics <small>Applies to degree as Track Elective.</small>	4
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any 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	23		Group 2 Major Requirements	20
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	52		Total Hours*	46

*S&T advisor permission is required to transfer more than 68 credit hours toward the degree.

Biomedical Engineering-Biomaterials Group 2 Major Requirements

<u>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
CAS 101	Intro to Speech Communication	3	SP&MS 1185	Principles of Speech	3
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHM 145	College Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.</small>	3
CHM 335	Organic Chemistry I	5	CHEM 2210, 2219*	Organic Chemistry I and Lab* <small>*CHEM 2219 Lab applies to the degree as a Track Elective (non-engineering).</small>	4
CHM 345	Organic Chemistry II	5	CHEM 2220, 2229*	Organic Chemistry II and Lab* <small>CHEM 2229 Lab applies to the degree as a Track Elective (non-engineering).</small>	4
BIO 105, 105L	General Biology and Lab	4	BIO SCI 1113*, 1219*	General General Biology* and Lab* <small>*Applies to degree as Track Elective (Non-engineering).</small>	4
	<i>No free electives applied to the degree.</i>	0		Maximum Free Electives	0
	Group 2 Major Requirements	25		Group 2 Major Requirements	21
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	54		Total Hours*	47

*S&T advisor permission is required to transfer more than 65 credits toward the S&T Biomedical Engineering degree.

Ceramic Engineering Group 2 Major Requirements

<u>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHM 335	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I <small>Will satisfy the advanced chemistry elective requirement.</small>	3
CHM 145	College Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.</small>	3
ENG 106 or CAS 101 or HSS Elective	English Composition II or Intro to Speech Communication or Any 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 Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any 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	22		Group 2 Major Requirements	18
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	51		Total Hours*	44

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

Chemical Engineering or Chemical Engineering - Biochemical Engineering Emphasis Group 2 Major Requirements

<u>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
CAS 101	Intro to Speech Communication	3	SP&MS 1185	Principles of Speech	3
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHM 145	College Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.</small>	3
CHM 335	Organic Chemistry I	5	CHEM 2210, 2219*	Organic Chemistry I and Lab* <small>*The lab will apply to the degree as 1 of the 9 science elective credits (below).</small>	4
CHM 345	Organic Chemistry II	5	CHEM 2220	Organic Chemistry II <small>Will partially satisfy the 9-hour science elective requirement.</small>	8
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any 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	24		Group 2 Major Requirements	24
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	53		Total Hours*	50

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

Civil Engineering Group 2 Major Requirements

<u>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 106 or CAS 101	English Composition II or Intro to Speech Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any 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	9		Group 2 Major Requirements	9
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	38		Total Hours*	35

*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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
CAS 101	Intro to Speech Communication	3	SPMS 1185	Principles of Speech	3
ENG 106	English Composition II	3	ENGLISH 1160	Writing and Research	3
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHM 335	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I <small>Satisfies a required engineering/science elective.</small>	3
MAT 354	Linear Algebra	3	MATH 3108	Linear Algebra <small>Will satisfy a required math elective.</small>	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Electives	Maximum Free Electives	3	Electives	Maximum Free Electives	3
	Group 2 Major Requirements	23		Group 2 Major Requirements	21
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	52		Total Hours*	47

*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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
CAS 101	Intro to Speech Communication	3	SPMS 1185	Principles of Speech	3
ENG 106	English Composition II	3	ENGLISH 1160	Writing and Research	3
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CHM 335	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I	3
MAT 354	Linear Algebra	3	MATH 3108	Linear Algebra	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Electives	Maximum Free Electives	3	Electives	Maximum Free Electives	3
	Group 2 Major Requirements	23		Group 2 Major Requirements	21
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	52		Total Hours*	47

*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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
PSY 113	General Psychology	3	PSYCH 1101	General Psychology	3
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
CAS 101	Intro to Speech Communication	3	SPMS 1185	Principles of Speech	3
ENG 106	English Composition II	3	ENGLISH 1160	Writing and Research	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
	<i>No free electives applied to the degree.</i>	3	Electives	Maximum Free Electives	0
	Group 2 Major Requirements	18		Group 2 Major Requirements	15
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	47		Total Hours*	61

*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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 106 or CAS 101	English Composition II or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HST 213 or HST 223	US History I or US History II	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
CHM 145	College Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.</small>	3
BIO 105	General Biology	3	BIO SCI 1113	General Biology	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any 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	17		Group 2 Major Requirements	15
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	46		Total Hours*	41

*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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	3
	<i>No free electives applied to the degree.</i>	0		0
	Group 2 Major Requirements	9		9
	Group 1 Core Requirements	29		26
	Total Hours	38		Total Hours*
				35

*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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	3
ENG 106 or CAS 101	English Composition II or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	3
MTH 354	Linear Algebra	3	MATH 3108	3
	Literature Elective		Will satisfy the Advanced Math/Statistics elective requirement.	
			Literature Elective	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	3
	<i>No free electives applied to the degree.</i>	0		0
	Group 2 Major Requirements	12		15
	Group 1 Core Requirements	29		26
	Total Hours	41		Total Hours*
				41

*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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>	
ENG 106 or CAS 101	English Composition II or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	3
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	3
CHM 145	College Chemistry II	5	CHEM 1320, 1510*	3
CHM 335	Organic Chemistry I	5	General Chemistry II (3) and Qualitative Analysis (2)	
			*CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.	
			Organic Chemistry I	3
			Not specifically required for the degree but will satisfy out-of-department technical elective requirement	
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	3
Electives	Maximum Free Electives	3	Electives	3
	Group 2 Major Requirements	25		21
	Group 1 Core Requirements	29		26
	Total Hours	54		Total Hours*
				47

*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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 106	English Composition II	3	ENGLISH 1160	Writing and Research	3
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any 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	12		Group 2 Major Requirements	12
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	41		Total Hours*	38

*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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 106 or CAS 101	English Composition II or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
MTH 354	Linear Algebra	3	MATH 3108	Linear Algebra	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Electives	Maximum Free Electives	6	Electives	Maximum Free Electives	6
	Group 2 Major Requirements	21		Group 2 Major Requirements	21
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	50		Total Hours*	47

*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>Hannibal-LaGrange University</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 106	English Composition II	3	ENGLISH 1160	Writing and Research	3
HST 213 or HST 223 or PLSC 113	US History I or US History II or Intro to Government	3	HISTORY 1300 or HISTORY 1310 or POL SCI 1200	American History to 1877 or American History since 1877 or American Government	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3
Humanities or Social Science	Any history, economics, political science, sociology, psychology, philosophy, fine art, literature, foreign language.	3	Humanities or Social Science	Any 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	12		Group 2 Major Requirements	12
	Group 1 Core Requirements	29		Group 1 Core Requirements	26
	Total Hours	41		Total Hours*	38

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