Jefferson College — Missouri S&T

General Engineering

Transfer Guide Effective as of Fall 2025

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>Jefferson College</u>	<u>Semest</u>	<u>er</u>	<u>Missouri S&T</u>		
MTH 180	Calculus I	5	MATH 1214	Calculus I Grade of C or better is required.		4
MTH 185	Calculus II	5	MATH 1215	Calculus II Grade of C or better is required.		4
MTH 201	Calculus III	5	MATH 2222	Calculus III Grade of C or better is required.		4
MTH 205	Differential Equations	3	MATH 3304	Elementary Differential Equations		3
PHY 223	General Physics I	4	PHYSICS 1135	Engineering Physics I Grade of C or better is required.		4
PHY 224	General Physics II	4	PHYSICS 2135	Engineering Physics II Grade of C or better is required.		4
ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation		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/Biomanufacturing 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.

	Aerospace Engine	erinç	g Grou	p 2 Major R	equirements	
	Jefferson College		Semester	•	Missouri S&T	
EGR 101	Computer Aided Engineering Design	3		MECH ENG 1720	Intro to Engineering Design	3
ENG 102 or COM 110	English Composition II or Public Speaking	3		ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
CHM 111	General Chemistry I	5		CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
CIS 155	Intro to Computer Programming	3		CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
EGR 261	Circuit Analysis I	3		EE 2800	Electrical Circuits	3
EGR 228	Engineering Mechanics - Statics	3		CIV ENG 2200	Engineering Mechanics-Statics	3
EGR 250	Engineering Mechanics - Dynamics	3		AERO ENG 2360	Dynamics	3
PHL 202	Ethics or other engineering, business, bio, social ethics approved by advisor.	3		PHILOS 1130	How Should I Live? An Introduction to Ethics or other engineering, business, bio, social ethics approved by advisor.	3
	From the options 6 hours Humanities	listed in e and Fine and Social	each group be Arts from at le Sciences fron	eneral Education Requirelow, select 15 hours to incleast two specific disciplines in at least two specific disciplines. SCI 1200 to satisfy the S	lude and lines.	
		Huma	anities and F	ine Arts		
	Select 6	hours fro	m at least two	specific disciplines.		
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1850 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.	6		ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change "Satisfies the State of Missouri government requirement.	6
		Behavio	ral and Socia	al Sciences		
	Select 6	hours fro	m at least two	specific disciplines.		
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 OF World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language "Satisfies the State of Missouri government requirement.	6		HISTORY 1100 or HISTORY 1200° or HISTORY 2110 or PHIL 1105 or PHIL 1115 or POL SCI 1200° or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* MOTR WCIV 102 OF World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government*or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
	Hui	manities,	, Arts, and So Select 3 hour	ocial Sciences		
HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3		HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
	No free electives applied to the degree.	0			Maximum Free Electives	0
	Group 2 Major Requirements	41			Group 2 Major Requirements	41
	Group 1 Core Requirements Total Ho	29 urs 70			Group 1 Core Requirements Total Hours* *S&T advisor permission is required to transfer more than 68 credits toward the S&T Aerospace Engineering degree.	26 67

	Architectural Er	ngineer	ing	Group 2 Major F	Requirements	
	Jefferson College		Se	mester_	Missouri S&T	
EGR 101	Computer Aided Engineering Design		3	MECH ENG 1720	Intro to Engineering Design	3
ENG 102 or COM 110	English Composition II or Public Speaking		3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
CHM 111	General Chemistry I		5	CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
EGR 228	Engineering Mechanics - Statics		3	CIV ENG 2200	Engineering Mechanics-Statics	3
EGR 250	Engineering Mechanics - Dynamics		3	MECH ENG 2350	Engineering Mechanics-Dynamics	2
PHY 105	Physical Geology		4	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
				ences General Education Require		
	6 hours H	Humanities and Fehavioral and So	ine Arts cial Scie	group below, select 9 hours to inclu- from at least two specific disciplines nees from at least two specific disciplines 0, or POL SCI 1200 to satisfy the St	and ines.	
				es and Fine Arts		
		Select 6 hours	from at	least two specific disciplines.		
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1650 or US History I to Reconstruction* or US History II from Reconstruction* or Appreciation of Music or Theatre Appreciation *satisfies the State of Missouri government requirement.		3	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or Music Understanding and Appreciation or Theatre for Social Change *Satisfies the State of Missouri government requirement.	3
				nd Social Sciences		
			two spe	cific disciplines to include HISTOR		
HST 202*	Renaissance to Early Modern Europe* MOTR WCN *Satisfies the State of Missouri Government requirement.	/ 102	3	HISTORY 1200*	Modern Western Civilization* MOTR WCIV 102 *Satisfies the State of Missouri Government requirement.	3
PHL 102 or PHL 101 or PSC 102° or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Intro to Philosophy or Logic or US and Missouri Government and Constitution' General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language 'Satisfies the State of Missouri government requirement.		3	PHIL 1105 or PHIL 1115 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language "Satisfies the State of Missouri government requirement.	3
	No free electives applied to the degree.		0		Maximum Free Electives	0
	Group 2 Major Requirements Group 1 Core Requirements	:	80 29 59		Group 2 Major Requirements Group 1 Core Requirements Total Hours* *S&T advisor permission is required to transfer more than 69 credits toward the S&T Architectural Engineering degree.	28 26 54

	Biomedical Grou		_	-Biomanufa equirements		
	<u>Jefferson College</u>		Semester		Missouri S&T	
COM 110	Public Speaking	3		SP&MS 1185	Principles of Speech	3
CHM 111	General Chemistry I	5		CHEM 1310, 1319	Applies to degree as Gen Ed Communication requirement. General Chemistry I and Lab	5
CHM 112	General Chemistry II	5		CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2)	3
CHM 200	Organic Chemistry I	5		CHEM 2210, 2219	*CHEM 1510 is not a degree requirement, transfers as general elective credit. Organic Chemistry I and Lab	4
CHM 201 or BIO 101 or BIO 201	Organic Chemistry II (5) or General Biology (5) or Genetics (4)	4		CHEM 2220, 2229 or BIO SCI 1113, 1219 or BIO SCI 2223	Organic Chemistry II and Lab or General Biology and Lab or General Genetics Applies to degree as Track Elective.	4
CIS 155	Intro to Computer Programming	3		COMP SCI 1971,1981*	Intro to Programming Methodology and Lab*(C++) *Will be substituted for COMP SCI 1500.	3
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or	6 hours Behavio *At least one course must be selected from HISTOR	ral and Social Y 1200, 1300 Huma	Sciences fron , 1310, or POL anities and F	•	ines.	6
MUS 121 or THT 100	Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.	Behavio	ral and Socia Select 3 hou	MUSIC 1150 or THEATRE 1150 al Sciences rs.	Music Understanding and Appreciation or Theatre for Social Change Satisfies the State of Missouri government requirement.	
HST 201 or HST 202* or GEO 103 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 OF World Regional Geography or US and Missouri Government and Constitution* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6		HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* or World Regional Geography or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language "Satisfies the State of Missouri government requirement.	3
	No free electives applied to the degree.	0			Maximum Free Electives	0
	Group 2 Major Requirements Group 1 Core Requirements Tota	37 29 I Hours 66			Group 2 Major Requirements Group 1 Core Requirements Total Hours* *S&T advisor permission is required to transfer more than 69 credit hours toward the degree.	31 26 57

				d .	ng-Biomate equirements		
	Jefferson College			Semester		Missouri S&T	
COM 110	Public Speaking		3		SP&MS 1185	Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 111	General Chemistry I		5		CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II		5		CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
CHM 200	Organic Chemistry I		5		CHEM 2210, 2219*	Organic Chemistry I and Lab* *CHEM 2219 Lab applies to the degree as a Track Elective (non-engineering).	4
CHM 201	Organic Chemistry II		5		CHEM 2220, 2229*	Organic Chemistry II and Lab* CHEM 2229 Lab applies to the degree as a Track Elective (non-engineering).	4
BIO 11	General Biology		5		BIO SCI 1113*, 1219*	General Biology* and Lab* *Applies to degree as Track Elective (Non-engineering).	4
CIS 155	Intro to Computer Programming		3		COMP SCI 1971,1981*	Intro to Programming Methodology and Lab*(C++) *Will be substituted for COMP SCI 1500.	3
EGR 228	Engineering Mechanics - Statics		3		CIV ENG 2200	Engineering Mechanics-Statics	3
EGR 261	Circuit Analysis I		3		EE 2100*, 2101	Circuits I* (3) and Circuit Analysis Lab (1) *A passing grade on the Missouri S&T EE Advancement Exam I is required to receive credit for EE 2100. Applies to the degree as a Track Elective (Engineering).	4
	*At least one course must be selected from HIS	TORY 1200, F	1300, Iumai	1310, or POL nities and Fi			
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1650 or World Literature before 1650 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation "Satisfies the State of Missouri government requirement.		6		ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change *Satisfies the State of Missouri government requirement.	6
		Beh		al and Socia			
HST 201 or HST 202* or GEO 103 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WOLVE World Regional Geography or US and Missouri Government and Constitution* General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.		6	Select 3 hour	HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* or World Regional Geography or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3
	No free electives applied to the degree.		0			Maximum Free Electives	0
	Group 2 Major Requirements Group 1 Core Requirements		49 29			Group 2 Major Requirements Group 1 Core Requirements	42 26
		Total Hours	78			Total Hours' *S&T advisor permission is required to transfer more than 69 credits toward the S&T Biomedical Engineering degree.	

	Ceramic Engine	ering	Group	2 Major Re	quirements	
	<u>Jefferson College</u>		Semester		Missouri S&T	
EGR 101	Computer Aided Engineering Design	3		MECH ENG 1720	Intro to Engineering Design	3
ENG 102 or COM 110	English Composition II or Public Speaking	3		ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
EGR 228	Engineering Mechanics - Statics	3		CIV ENG 2200	Engineering Mechanics-Statics	3
CHM 111	General Chemistry I	5		CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II	5		CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
СНМ 200	Organic Chemistry I	5		CHEM 2210/2219*	Organic Chemistry I (3) and Lab (1) * Satisfies the advanced chemistry elective requirement. *CHEM 2219 is not an S&T degree requirement, transfers as general elective credit.	3
	From the option 6 hours Humanit	ns listed in ties and Fin al and Socia	each group be e Arts from at le al Sciences from	eneral Education Requirelow, select 15 hours to include two specific disciplines at least two specific disciplines. SCI 1200 to satisfy the S	lude and lines.	
		Hum	anities and F		·	
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1650 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.	6		ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1223 or HISTORY 1300° or HISTORY 1310° or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change *Satisfies the State of Missouri government requirement.	6
	Colont		oral and Socia			
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 OF World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6		specific disciplines. HISTORY 1100 or HISTORY 2100* or HISTORY 2110 or PHIL 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* MOTR WCIV 102 OF World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government*or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
	ŀ	lumanities	s, Arts, and So Select 3 hour	ocial Sciences		
HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, a music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	rt, 3		HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
	No free electives applied to the degree.	0			Maximum Free Electives	0
	Group 2 Major Requirements Group 1 Core Requirements Total	39 29 Hours 68			Group 2 Major Requirements Group 1 Core Requirements Total Hours* *S&T advisor permission is required to transfer more than 68 credits toward the S&T Ceramic Engineering degree.	35 26 61

	Chemical Engineeri	ng -	Bio		Enginee	ring Emphasis	
	Grou	JP 2	Ma	jor Require	ments		
	Jefferson College			<u>Semester</u>		Missouri S&T	
EGR 101	Computer Aided Engineering Design		3	MECH ENG		Intro to Engineering Design Principles of Speech	3
COM 110	Public Speaking		3	SP&MS 11		Applies to degree as Gen Ed Communication requirement.	3
CHM 111	General Chemistry I		5	CHEM 131	0, 1319	General Chemistry I and Lab	5
CHM 200	Organic Chemistry I		5	CHEM 221	0, 2219*	Organic Chemistry I and Lab* "CHEM 2210 is a degree requirement. CHEM 2219 applies to the degree as 1 of 9 required science elective credits See note below.	4
CHM 201	Organic Chemistry II		5	CHEM 222	0, 2229*	Organic Chemistry II (3) and Lab(1) CHEM 2220 will transfer as 3 of 9 hours of required science electives. CHEM 2229 is not required for the degree. Will transfer as general credit.	3
CIS 155	Intro to Computer Programming		3	COMP SCI	1971,1981*	Intro to Programming Methodology and Lab*(C++) *Will be substituted for COMP SCI 1500.	3
	6 hours Huma	anities and ioral and S RY 1200,	Fine Social S 1300,		cific disciplines an specific discipline	d es.	
	0-1			nities and Fine Arts n at least two specific dis	-1-1		
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1650 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation *satisfies the State of Missouri government requirement.		6	ENGLISH 1 ENGLISH 1 ENGLISH 1 ENGLISH 1 ENGLISH 1 ENGLISH 1 HISTORY 1 HISTORY 1 ART 1180 0 MUSIC 115	1211 or 1212 or 1221 or 1221 or 1231 or 1300* or 1310* or	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change **Satisfies the State of Missouri government requirement.	6
		Beh	avior	al and Social Sciences			
		ect 6 hour	s fron	n at least two specific dis	•		
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102. World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	or	6	HISTORY 1 HISTORY 2 HISTORY 2 PHIL 1105 PHIL 1115 POL SCI 1: PSYCH 110 ECON 1200 Foreign Lar	1200* or 2110 or or or 200* or 01 or 0 or	Early Western Civilization or Modern Western Civilization* MOTR WCIV 102 OF World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government*or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
	No free electives applied to the degree.		0			Maximum Free Electives	0
	Group 2 Major Requirements Group 1 Core Requirements Tol	tal Hours	36 29 65			Group 2 Major Requirements Group 1 Core Requirements Total Hours* *S&T advisor permission is required to transfer more than 68 credits toward the S&T Chemical Engineering degree.	33 26 59

	Civil Enginee	ring (Group 2	Major Requ	irements	
	Jefferson College		Semester		Missouri S&T	
EGR 101	Computer Aided Engineering Design	;	3	MECH ENG 1720	Intro to Engineering Design	3
ENG 102 or	English Composition II or	;	3	ENGLISH 1160 or	Writing and Research or	3
COM 110 CHM 111	Public Speaking General Chemistry I		5	SPMS 1185 CHEM 1310, 1319	Principles of Speech General Chemistry I and Lab	5
	•			GEOLOGY 1110	•	
PHY 105	Physical Geology		4	(GEO ENG 1150)	Physical and Environmental Geology	3
EGR 228	Engineering Mechanics - Statics		3	CIV ENG 2200	Engineering Mechanics-Statics	3
EGR 250	Engineering Mechanics - Dynamics		3	MECH ENG 2350	Engineering Mechanics-Dynamics	2
	From the opti 6 hours Human	ons listed nities and F oral and So	in each group be ine Arts from at le cial Sciences fron	eneral Education Requirelow, select 15 hours to inceest two specific disciplines at least two specific disciplines. SCI 1200 to satisfy the S	lude and lines.	
			manities and F	ine Arts o specific disciplines.		
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature before 1865 or World Literature before 1865 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.	ı	6	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change *Satisfies the State of Missouri government requirement.	6
	Sala		rioral and Socia	specific disciplines.		
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 O World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	r	6	HISTORY 1100 or HISTORY 1200° or HISTORY 2110 or PHIL 1105 or PHIL 1115 or POL SCI 1200° or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* MOTR WCIV 102 OF World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government*or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
		Humaniti	es, Arts, and Se Select 3 hour			
HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.		3	HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
	No free electives applied to the degree.		0		Maximum Free Electives	0
	Group 2 Major Requirements Group 1 Core Requirements Tota		36 29 55		Group 2 Major Requirements Group 1 Core Requirements Total Hours* *S&T advisor permission is required to transfer more than 69 credits toward the S&T Civil Engineering degree.	34 26 60

	Computer Engine	ering	Group 2 Major R	equirements	
	Jefferson College		Semester	Missouri S&T	
COM 110	Public Speaking	3	SPMS 1185	Principles of Speech	3
CHM 111	General Chemistry I			Applies to degree as Gen Ed Communication requirement.	
CIS 155	Intro to Computer Programming	5 3	CHEM 1310, 1319 CS 1500	General Chemistry I and Lab Computational Problem Solving	5 3
EGR 228 and EGR 250 or BIO 201 or CHM 200	Engineering Mechanics - Statics (3) or Engineering Mechanics - Dynamics (3) or Genetics (3) or Organic Chemistry I (5)	3	CIV ENG 2200 or MECH ENG 2350 or BIO SCI 2223 or CHEM 2210, 2219*	Engineering Mechanics-Statics (3) and Engineering Mechanics-Dynamics (3) or General Genetics (3) or Organic Chemistry I (3) and Lab* (1) Satisfies a required engineering/science elective. *CHEM 2219 is not an S&T degree requirement, will transfer as general credit.	3
EGR 261	Circuit Analysis I	3	EE 2100*	Circuits 1* *A passing grade on the Missouri S&T EE Advancement Exam I is required to receive credit for EE 2100.	3
	Humanities, Arts, a	nd Social	Sciences General Education Requ	irements	
	6 hours Humanitie	es and Fine and Social 1200, 1300,	•	es and iplines.	
			inities and Fine Arts		
ENG 225 or	English Literature before 1800 or	hours from	m at least two specific disciplines. ENGLISH 1211 or	British Literature I: The Beginnings to 1800 or	
ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature after 1865 or US History I to Reconstruction* or US History I to Reconstruction* or Aft Appreciation or Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.	6	ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 1231 or HISTORY 1300° or HISTORY 1310° or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature II: 1800 to Present American Literature: 1800 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change *Satisfies the State of Missouri government requirement.	6
			ral and Social Sciences		
LIOT COA		hours from	m at least two specific disciplines.	Fort Montage Of the Africa	
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 OF World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHIL 1105 or PHIL 1115 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* MOTR WCIV 102 OF World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government*or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language "Satisfies the State of Missouri government requirement.	6
	Hu		Arts, and Social Sciences		
ENH 102	English Composition II	3	Select 3 hours. ENGLISH 1160	Writing and Research	3
Electives	Maximum Free Electives Group 2 Major Requirements	3 35	Electives	Maximum Free Electives Group 2 Major Requirements	3 35
	Group 1 Core Requirements Total H	29		Group 1 Core Requirements Total Hours *S&T advisor permission is required to transfer more than 68 credits toward the S&T Computer Engineering degree.	26

	Electrical Engineer	ing	Group	o 2 Major Red	Juirements	
	Jefferson College		Semester		Missouri S&T	
EGR 101	Computer Aided Engineering Design	3	Comocion	MECH ENG 1720	Intro to Engineering Design	3
	Public Speaking	3		SPMS 1185	Principles of Speech	3
COM 110					Applies to degree as Gen Ed Communication requirement.	
CHM 111 CIS 155	General Chemistry I	5 3		CHEM 1310, 1319 CS 1500	General Chemistry I and Lab	5 3
EGR 228 and	Intro to Computer Programming Engineering Mechanics - Statics (3) and	3		CIV ENG 2200 and	Computational Problem Solving Engineering Mechanics-Statics (3) and	3
EGR 250	Engineering Mechanics - Otatics (5) and Engineering Mechanics - Dynamics (3)			MECH ENG 2350	Engineering Mechanics-Otatics (3) and Engineering Mechanics-Dynamics (2)	
(BOTH of the courses above or ONE	(Both courses above combined or the following courses will satisfy a required engineering			BOTH of the courses above or ONE of	Both courses above combined or any one of the following courses satisfies a required	
course below.)	science elective.)	3		the courses below.	engineering science elective.	3
OR BIO 201 or	OR Genetics (4) or	Ū		OR BIO SCI 2223 or	OR General Genetics (3) or	·
CHM 200	Organic Chemistry I (5)			CHEM 2210, 2219*	Organic Chemistry I (3) and Lab* (1) "CHEM 2219 is not an S&T degree requirement, will transfer as general credit.	
EGR 261	Circuit Analysis 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.	4
	6 hours Behavioral and *At least one course must be selected from HISTORY 1200	Social , 1300, Huma	Sciences fron 1310, or POL Inities and F	ine Arts	es.	
		urs froi	m at least two	specific disciplines.		
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1650 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation 'satisfies the State of Missouri government requirement.	6		ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change *Satisfies the State of Missouri government requirement.	6
	Ве	havio	ral and Socia	al Sciences		
	Select 6 ho	urs fro	m at least two	specific disciplines.		
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 OF World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language **Satisfies the State of Missouri government requirement.	6		HISTORY 1100 or HISTORY 1200° or HISTORY 2110 or PHIL 1105 or PHIL 1115 or POL SCI 1200° or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* MOTR WCIV 102 OF World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government*or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
	Huma		Arts, and Select 3 hour	ocial Sciences		
ENH 102	English Composition II	3	25.00t 0 110th	ENGLISH 1160	Writing and Research	3
Electives	Maximum Free Electives	6		Electives	Maximum Free Electives	6
	Group 2 Major Requirements	41		2.00700	Group 2 Major Requirements	42
	Group 1 Core Requirements Total Hours	29			Group 1 Core Requirements Total Hours* *S&T advisor permission is required to transfer more than 68 credits toward the S&T Electrical Engineering degree.	26 68

	Engineering Manag	em	ent Gro	oup 2 Major R	equirements	
	Jefferson College		Semeste	er	Missouri S&T	
EGR 101	Computer Aided Engineering Design	;	3	MECH ENG 1720	Intro to Engineering Design	3
0011110	Public Speaking	;	3	SPMS 1185	Principles of Speech	3
COM 110 CHM 111	General Chemistry I		5	CHEM 1310, 1319	Applies to degree as Gen Ed Communication requirement. General Chemistry I and Lab	5
CHM 111 CIS 155	Intro to Computer Programming		3	CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
EGR 261	Circuit Analysis I		3	EE 2800	Electrical Circuits	3
EGR 228	Engineering Mechanics - Statics		3	CIV ENG 2200	Engineering Mechanics-Statics	3
EGR 250	Engineering Mechanics - Dynamics		3	MECH ENG 2350	Engineering Mechanics-Dynamics	2
		nd Soc	ial Sciences G	Seneral Education Require		
	6 hours Humanitie	es and F and So	ine Arts from at cial Sciences fro	pelow, select 15 hours to include least two specific disciplines are at least two specific disciplines.	and nes.	
	At least one course must be selected from mis for i		manities and	•	ate of Missouri government requirement.	
	Salaat 6			vo specific disciplines.		
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1650 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.		5	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change 'Satisfies the State of Missouri government requirement.	6
		Behav	ioral and Soc	ial Sciences		
	Select 6 hours from	at least	t two specific di	isciplines to include PSYCH	1101.	
PSY 101	General Psychology	;	3	PSYCH 1101	General Psychology	3
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 OR World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	;	3	HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHIL 1105 or PHIL 1115 or POL SCI 1200* or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* or World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government* or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3
	Hu	ımaniti	es, Arts, and S	Social Sciences		
ENH 102	English Composition II	;		ENGLISH 1160	Writing and Research	3
	No free electives applied to the degree.	()	Electives	Maximum Free Electives	0
	Group 2 Major Requirements		18	2.554700	Group 2 Major Requirements	37
	Group 1 Core Requirements		9		Group 1 Core Requirements	26
	Total H	ours 6	37		Total Hours* *S&T advisor permission is required to transfer more than 61 credits toward the S&T Engineering Management degree.	61

EGR 101 ENG 102 or English Compositic COM 110 Public Speaking PHY 105 Physical Geology CHM 111 General Chemistry CHM 112 General Chemistry BIO 101 General Biology EGR 228 Engineering Mecha EGR 250 English Literature be English Literature of English Captor of Us History II from ART 101 or Art Appreciation of Mus 121 or Appreciation of Mus 122 or Intro to Philosophy PHL 101 or Logic or Us and Missouri ECO 102 or Microeconomics of ECO 101 or Macroeconomics of ECO 101 or Macroeconomics	nvironmental Engine	eer	ing Gro	oup 2 Major F	Requirements	
ENG 102 or COM 110 Public Speaking PHY 105 Physical Geology CHM 111 General Chemistry CHM 112 General Chemistry BIO 101 General Biology EGR 228 Engineering Mecha EGR 250 Engineering Mecha EGR 250 Engineering Mecha EGR 250 Engineering Mecha *At least one col *At least one col *At least one col BNG 225 or English Literature of ENG 228 or Engineering Mecha ENG 229 or American Literature of ENG 229 or American Literature of ENG 215 or World Literature of HST 103* or US History It or RAT 101 or Art Appreciation of MUS 121 or Appr	son College		Semester	•	Missouri S&T	
CHM 111 General Chemistry CHM 112 General Chemistry BIO 101 General Biology EGR 228 Engineering Mecha EGR 250 Engineering Mecha *At least one cor *At least one cor ENG 225 or English Literature In English Children In English Literature In English or In English Literature In English In English Literature In English In English Literature In English	Engineering Design ition II or	3		MECH ENG 1720 ENGLISH 1160 or SPMS 1185	Intro to Engineering Design Writing and Research or Principles of Speech	3
CHM 112 General Chemistry BIO 101 General Biology EGR 228 Engineering Mecha EGR 250 Engineering Mecha *At least one col *At least one col ENG 225 or English Literature In ENG 226 or English Literature In ENG 229 or American Literature In ENG 229 or American Literature In ENG 229 or American Literature In ENG 215 or World Literature In HIST 103* or US History II from In HIST 104* or US History II from In	у	4		GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
BIO 101 General Biology EGR 228 Engineering Mecha EGR 250 Engineering Mecha *At least one col ENG 225 or English Literature In English Call Interval In English Call Interval In English Office In English Literature In English or In English Call Interval In English Interval Interva	try I	5		CHEM 1310, 1319	General Chemistry I and Lab	5
EGR 228 Engineering Mecha EGR 250 Engineering Mecha *At least one col ENG 225 or English Literature be rend 228 or American Literature be rend 229 or American Literature be rend 215 or World Literature be rend 215 or US History II from ART 101 or Art Appreciation of ML Theatre Appreciation of ML The	try II	5		CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
EGR 250 *At least one col ENG 225 or English Literature In ENG 226 or English Literature In ENG 228 or English Literature In ENG 229 or English Literature In ENG 229 or English Literature In ENG 215 or World English In ENG 215 or World English In ENG 215 or English In English In English In ENG 215 or Intro to Philosophy PHL 101 or ENG 102 or United In ENG 215 or Wilcroeconomics or ECO 102 or Microeconomics or ECO 101 or Macroeconomics		5		BIO SCI 1113, 1219*	General Biology (3) and Lab* (1) *The lab is not a degree requirement, transfers as general elective credit.	3
ENG 225 or English Literature I ENG 226 or English Literature ENG 228 or English Literature ENG 228 or American Literature ENG 229 or American Literature ENG 215 or World Literature by HST 103* or US History II from ART 101 or Art Appreciation of MUS 121 or Appreciation of MUS 121 or Appreciation of MUTHT 100 Theatre Appreciation of MUTHT 100 T		3		CIV ENG 2200	Engineering Mechanics-Statics	3
ENG 225 or English Literature I ENG 226 or English Literature I ENG 228 or American Literature I ENG 229 or American Literature I ENG 229 or American Literature I ENG 229 or American Literature I ENG 215 or World Literature I HST 103* or US History I from I ART 101 or Art Appreciation of MuS 121 or Appreciation of MuS 121 or Appreciation of MuThat I ENG 203* Renaissance to E Satisfies the State of Mi PHL 102 or Intro to Philosophy PHL 101 or Logic or PSC 102* or US and Missouri ECO 102 or Microeconomics of ECO 101 or Macroeconomics	chanics - Dynamics	3		MECH ENG 2350	Engineering Mechanics-Dynamics	2
ENG 226 or English Literature of ENG 228 or American Literature of ENG 229 or American Literature of ENG 229 or American Literature of HST 103* or US History I to Refuse the Misser of HST 104* or US History II from ART 101 or Art Appreciation of MUS 121 or Appreciation of MUS 120 or Satisfies the State of MUS 120 or Intro to Philosophy PHL 101 or Logic or US and Missouri ECO 102 or Microeconomics of ECO 101 or Macroeconomics	6 hours Humanities ar 6 hours Behavioral and ourse must be selected from HISTORY 1200	and Fin nd Socia 00, 130 0	e Arts from at le	•	nd es.	
ENG 226 or English Literature of ENG 228 or American Literature of ENG 229 or American Literature of ENG 229 or American Literature of HST 103* or US History I to Refuse the English of HST 104* or US History II from ART 101 or Art Appreciation of MUS 121 or Appreciation of MUS 120 or Statisfies the State of MUS 120 or Intro to Philosophy PHL 101 or Logic or US and Missouri ECO 102 or Microeconomics of ECO 101 or Macroeconomics				specific disciplines.		
PHL 102 or Intro to Philosophy PHL 101 or Logic or PSC 102* or US and Missouri ECO 102 or Microeconomics of ECO 101 or Macroeconomics	e after 1800 or ure before 1865 or ure after 1865 or before 1650 or Reconstruction* or or Music or	6		ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1223 or HISTORY 1300° or HISTORY 1310° or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1800 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change	6
PHL 102 or Intro to Philosophy PHL 101 or Logic or PSC 102* or US and Missouri ECO 102 or Microeconomics of ECO 101 or Macroeconomics			oral and Socia		4000	
PHL 102 or Intro to Philosophy PHL 101 or Logic or PSC 102* or US and Missouri ECO 102 or Microeconomics of ECO 101 or Macroeconomics			o specific disc	iplines to include HISTORY		
PHL 101 or Logic or PSC 102* or US and Missouri ECO 102 or Microeconomics or ECO 101 or Macroeconomics	Early Modern Europe* MOTR WCIV 102 Missouri Government requirement.	3		HISTORY 1200*	Modern Western Civilization* MOTR WCIV 102 *Satisfies the State of Missouri Government requirement.	3
	hy or ri Government and Constitution* or or	3		PHIL 1105 or PHIL 1115 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government.	3
No free electives a	applied to the degree.	0			Maximum Free Electives	0
Group 2 Major Red Group 1 Core Red	equirements	43 29 urs 72			Group 2 Major Requirements Group 1 Core Requirements Total Hours* *S&T advisor permission is required to transfer more than 69 credits toward the S&T	37 26 63

	Geological Engine	erin	g Grou	ıp 2 M <u>ajor R</u> e	equirements	
				<u> </u>		
EGR 101 CHM 111 CIS 155	Jefferson College Computer Aided Engineering Design General Chemistry I Intro to Computer Programming	3 5 3	Semeste	MECH ENG 1720 CHEM 1310, 1319 COMP SCI 1971, 1981	Missouri S&T Intro to Engineering Design General Chemistry I and Lab Intro to Programming Methodology and Lab	3 5 3
PHY 105	Physical Geology	4		GEO ENG 1150 (GEOLOGY 1110)	Physical and Environmental Geology	3
EGR 228 EGR 250	Engineering Mechanics - Statics Engineering Mechanics - Dynamics	3		CIV ENG 2200 MECH ENG 2350	Engineering Mechanics-Statics Engineering Mechanics-Dynamics	3
2511200	Humanities, Arts, a From the option 6 hours Humaniti	and Socials listed in es and Find Social	each group b e Arts from at l al Sciences froi	eneral Education Requirelow, select 15 hours to incleast two specific disciplines at least two specific disciplines.	ements ude and lines.	2
	Colored		anities and F			
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1650 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.	o nours m	om at least tw	o specific disciplines. ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change **Satisfies the State of Missouri government requirement.	6
			oral and Soci			
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 OF World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6		o specific disciplines. HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHIL 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* MOTR WCIV 102 OR World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government*or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
	н	umanities	s, Arts, and S Select 3 hou	ocial Sciences		
HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, ar music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	t, 3	COICCE O HOL	HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
	No free electives applied to the degree. Group 2 Major Requirements Group 1 Core Requirements Total H	0 36 29 Hours 65			Maximum Free Electives Group 2 Major Requirements Group 1 Core Requirements Total Hours* *S&T advisor permission is required to transfer more than 65 credits toward the S&T Geological Engineering degree.	0 34 26 60

	Mechanical Engine	erin	g Grou	ıp 2 Major F	Requirements	
			<u> </u>		W: :007	
EGR 101	Jefferson College Computer Aided Engineering Design	3	Semester	MECH ENG 1720	Missouri S&T Intro to Engineering Design	3
ENG 102 or	English Composition II or	3		ENGLISH 1160 or	Writing and Research or	3
COM 110	Public Speaking	3		SPMS 1185	Principles of Speech	3
CHM 111	General Chemistry I	5		CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
CIS 155	Intro to Computer Programming	3		CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
EGR 261	Circuit Analysis I	3		EE 2800	Electrical Circuits	3
EGR 228	Engineering Mechanics - Statics	3		CIV ENG 2200	Engineering Mechanics-Statics	3
EGR 250	Engineering Mechanics - Dynamics	3		MECH ENG 2360	Dynamics	3
	From the options I 6 hours Humanities	sted in o and Fine nd Socia	each group be Arts from at le I Sciences fron	eneral Education Requelow, select 15 hours to in east two specific discipline on at least two specific disc L SCI 1200 to satisfy the	clude s and iplines.	
	7.1.10001 0110 000100 maot 20 0010000 mom 10.1011 12.		anities and F	•	Cano or impopulation of an order	
	Select 6 h			specific disciplines.		
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 104* or HST 104 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1650 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.	6		ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change *Satisfies the State of Missouri government requirement.	6
			ral and Socia			
		ours fro	m at least two	specific disciplines.		
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 OF World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6		HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHIL 1105 or PHIL 1115 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* MOTR WCIV 102 OF World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government*or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
	Hun	anities	, Arts, and So	ocial Sciences		
HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3	CORCE O HOU	HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
	No free electives applied to the degree.	0			Maximum Free Electives	0
	Group 2 Major Requirements	38			Group 2 Major Requirements	38
	Group 1 Core Requirements	29			Group 1 Core Requirements	26
	Total Hou	rs 67			Total Hours* *S&T advisor permission is required to transfer more than 68 credits toward the S&T Mechanical Engineering degree.	64

	Metallurgical Eng	ineer	ng Gro	oup 2 Major	Requirements	
	Jefferson College		Semeste	r	Missouri S&T	
EGR 101	Computer Aided Engineering Design		3	MECH ENG 1720	Intro to Engineering Design	3
ENG 102 or COM 110	English Composition II or Public Speaking		3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
EGR 228	Engineering Mechanics - Statics		3	CIV ENG 2200	Engineering Mechanics-Statics	3
CHM 111	General Chemistry I		5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II		5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
CHM 200 or EGR 261	Organic Chemistry I (5) or Circuit Analysis I (4)		4	CHEM 2210, 2219 or EE 2800	Organic Chemistry I (4) or Electrical Circuits (3) or Not specifically required for the degree but satisfies out-of-department technical elective requirement. "CHEM 2219 is not a degree requirement. Will transfer as general elective credit.	3
	From the op 6 hours Hum	otions listed anities and F vioral and So	in each group b ine Arts from at I cial Sciences fror	eneral Education Requi elow, select 15 hours to ind east two specific disciplines m at least two specific discip L SCI 1200 to satisfy the S	clude s and plines.	
	0.4		manities and F	Fine Arts o specific disciplines.		
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature before 1865 or World Literature before 1650 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.		6	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1223 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change *Satisfies the State of Missouri government requirement.	6
	Sol		ioral and Soci			
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language "Satisfies the State of Missouri government requirement.	ог	6	o specific disciplines. HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHIL 1105 or PHIL 1115 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* MOTR WCIV 102 OF World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
		Humaniti	es, Arts, and S Select 3 hou	ocial Sciences Irs.		
HASS Elective	Humanities, Arts, Social Sciences Elective: Any histor music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.		3	HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
	Maximum Free Electives		3		Maximum Free Electives	3
	Group 2 Major Requirements Group 1 Core Requirements To		11 29 70		Group 2 Major Requirements Group 1 Core Requirements Total Hours* *S&T advisor permission is required to transfer more than 68 credits toward the S&T Metallurgical Engineering degree.	38 26 64

	Mining Engine	ering	Group 2 Major Re	equirements	
	Jefferson College		Semester	Missouri S&T	
EGR 101	Computer Aided Engineering Design	3	MECH ENG 1720	Intro to Engineering Design	3
ENG 102 or	English Composition II or	3	ENGLISH 1160 or	Writing and Research or	3
COM 110 CHM 111	Public Speaking General Chemistry I	5	SPMS 1185 CHEM 1310, 1319	Principles of Speech General Chemistry I and Lab	5
EGR 228	Engineering Mechanics - Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
EGR 250	5 5	3	MECH ENG 2350	0 0	2
	Engineering Mechanics - Dynamics		GEOLOGY 1110	Engineering Mechanics-Dynamics	=
PHY 105	Physical Geology	4	(GEO ENG 1150)	Physical and Environmental Geology	3
	From the o 6 hours Hun	ptions listed in nanities and Fin vioral and Socia ORY 1200, 130	-	include ines and isciplines.	
			nanities and Fine Arts		
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature before 1865 or World Literature before 1850 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.	6	om at least two specific disciplines. ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 1231 or HISTORY 1300° or HISTORY 1310° or ART 1180 or MUSIC 1150 or THEATRE 1150 DOTAL AND	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1800 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change 'Satisfies the State of Missouri government requirement.	6
	Se		om at least two specific disciplines.		
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or PSY 101 or ECO 102 or ECO 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	2 or	HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHIL 1105 or PHIL 1115 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* MOTR WCIV 102 OF World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government*or General Psychology or Principles of Microeconomics or Pinciples of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
	No free electives applied to the degree.	0		Maximum Free Electives	0
	Group 2 Major Requirements	33		Group 2 Major Requirements	31
	Group 1 Core Requirements	29 otal Hours 62		Group 1 Core Requirements Total I *S&T advisor permission is required to transfer more than 68 credits toward the SI Mining Engineering degree.	26 Hours* 57 &T

	Nuclear Enginee	ering Gı	oup 2 Major Re	quirements	
	Jefferson College	Sc	emester	Missouri S&T	
EGR 101	Computer Aided Engineering Design	3	MECH ENG 1720	Intro to Engineering Design	3
ENG 102 or	English Composition II or	3	ENGLISH 1160 or	Writing and Research or	3
COM 110	Public Speaking		SPMS 1185	Principles of Speech	
CHM 111 CIS 155	General Chemistry I	5 3	CHEM 1310, 1319	General Chemistry I and Lab	5 3
EGR 228	Intro to Computer Programming	3	CS 1971, 1981 CIV ENG 2200	Intro to Programming Method and Lab (C++)	3
EGR 228 EGR 261	Engineering Mechanics - Statics Circuit Analysis I	3	EE 2800	Engineering Mechanics-Statics Electrical Circuits	3
LGIX 201			ences General Education Requi		J
	From the option 6 hours Humanit	ns listed in each ies and Fine Art Il and Social Sci	group below, select 15 hours to inc from at least two specific disciplines ences from at least two specific discip	clude s and plines.	
		Humaniti	es and Fine Arts		
	Select		t least two specific disciplines.		
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1650 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.	6	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change **Satisfies the State of Missourj government requirement.	6
	Select		and Social Sciences t least two specific disciplines.		
ECO 102 or ECO 101	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
HST 201 or HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or PSY 101 or Foreign Language	Ancient and Medieval Civilization or Renaissance to Early Modern Europe* MOTR WCIV 102 OF World Regional Geography or Intro to Philosophy or Logic or US and Missouri Government and Constitution* or General Psychology or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3	HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHIL 1105 or PHIL 1115 or POL SCI 1200* or PSYCH 1101 or Foreign Language	Early Western Civilization or Modern Western Civilization* or World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government*or General Psychology or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3
	Н		es, and Social Sciences ect 3 hours.		
HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, an music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	t, 3	HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
	Maximum Free Electives	0		Maximum Free Electives	0
	Group 2 Major Requirements	35		Group 2 Major Requirements	35
	Group 1 Core Requirements Total I	29 Hours 64		Group 1 Core Requirements Total Hours* *S&T advisor permission is required to transfer more than 69 credits toward the S&T Nuclear Engineering degree.	26 61

	Petroleum Engine	ering	Group 2 Major	Requirements	
	Jefferson College		Semester	Missouri S&T	
ENG 102 or	English Composition II or Public Speaking	3	ENGLISH 1160 or	Writing and Research or Principles of Speech	3
COM 110 CHM 111	General Chemistry I	5	SPMS 1185 CHEM 1310, 1319	General Chemistry I and Lab	5
PHY 105	Physical Geology	4	GEOLOGY 1110	Physical and Environmental Geology	3
	, 0,	•	(GEO ENG 1150)	,	
EGR 228	Engineering Mechanics - Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
EGR 250	Engineering Mechanics - Dynamics		MECH ENG 2350 Sciences General Education Re	Engineering Mechanics-Dynamics	2
	From the options 6 hours Humanitie	s listed in ea es and Fine and Social	ach group below, select 15 hours to Arts from at least two specific discipl Sciences from at least two specific d	include lines and lisciplines.	
	0.1.10		nities and Fine Arts		
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 229 or ENG 215 or HST 103* or HST 104* or ART 101 or MUS 121 or THT 100 HST 202* or GEO 103 or PHL 102 or PHL 101 or PSC 102* or ECO 102 or ECO 102 or ECO 101 or ECO 101 or	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1650 or US History I to Reconstruction* or US History II from Reconstruction* or Art Appreciation or Appreciation of Music or Theatre Appreciation *Satisfies the State of Missouri government requirement.	6 Behavior	n at least two specific disciplines. ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300° or HISTORY 1310° or ART 1180 or MUSIC 1150 or THEATRE 1150 at and Social Sciences n at least two specific disciplines. HISTORY 1100 or HISTORY 2110 or PHIL 1105 or PHIL 1115 or POL SCI 1200° or PSYCH 1101 or ECON 1100 or ECON 1200 or FORGER 1100 or ECON 1200 or FORGER 1100 or ECON 1200 or	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1805 to Present or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change *Satisfies the State of Missouri government requirement. Early Western Civilization or Modern Western Civilization or Modern Western Civilization or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government*or General Psychology or Principles of Microeconomics or Principles of Microeconomics or Elementary or Intermediate Foreign Lanquage	6
Foreign Language	*Satisfies the State of Missouri government requirement.		0 0	*Satisfies the State of Missouri government requirement.	
	Hu		Arts, and Social Sciences Select 3 hours.		
HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.		HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
	No free electives applied to the degree.	0		Maximum Free Electives	0
	Group 2 Major Requirements Group 1 Core Requirements Total H	33 29 ours 62		Group 2 Major Requirements Group 1 Core Requirements Total Hours *S&T advisor permission is required to transfer more than 69 credits toward the S&T Petroleum Engineering degree.	31 26 s* 57