Eastern Illinois University — Missouri S&T

General Engineering

Transfer Guide Effective as of Fall 2026

Complete Group 1 - Core Requirements and Group 2 - Major Requirements for major of choice.

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

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.

Eastern Illinois University		Semester	Missouri S&T		
MAT 1441G	Calculus and Analytic Geometry I	5	MATH 1214	Calculus I Grade of C or better is required.	4
MAT 2442	Calculus and Analytic Geometry II	5	MATH 1215	Calculus II Grade of C or better is required.	4
MAT 2443	Calculus and Analytic Geometry III	4	MATH 2222	Calculus III Grade of C or better is required.	4
MAT 3501	Differential Equations I	3	MATH 3304	Elementary Differential Equations	3
PHY 1351G,1352G and PHY 1361,1362 and PHY 1371,1372	General Physics I and Lab and General Physics II and Lab and General Physics III and Lab EIU PHY 1351G, 1352G, 1361, 1362, 1371, 1372 must all be taken to receive credit for S&T PHYSICS 1135 and 2135.	12	PHYSICS 1135 and PHYSICS 2135	Engineering Physics I and Grade of C or better is required. Engineering Physics II Grade of C or better is required. EIU PHY 1351G, 1352G, 1361, 1362, 1371, 1372 must all be taken to receive credit for S&T PHYSICS 1135 and 2135.	8
PHY 1001	Intro to Physics and Engineering	1	FR ENG 1100	Study and Careers in Engineering and Computing	1
ENG 1001G	College Composition I: Critical Reading & Source-Based Writing	3	ENGLISH 1120	Exposition and Argumentation	3
	Total Hours	33		Total Hours	27

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
Biomedical Engineering - 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
Semiconductor 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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2026.
Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.

Aerospace Engineering Group 2 Major Requirements

	Eastern Illinois University	Semester		Missouri S&T	Semester
ENG 1002G or CMN 1310G	Composition II: Argument & Critical Inquiry or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
CIT 1813	Intro to Programming (C++)	3	COMP SCI 1971, 1981	Intro to Programming Method and Lab (C++)	3
PHY 3270	Intro to Circuit Analysis	3	ELEC ENG 2800	Electrical Circuits	3
PHY 2390	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
MAT 2550	Intro to Linear Algebra	3	MATH 3108	Linear Algebra I Will satisfy the Advanced Math/Comp Sci elective requirement.	3
Ethics	Ethics Elective or other engineering, business, bio, social ethics approved by advisor	3	Ethics	Ethics Elective or other engineering, business, bio, social ethics approved by advisor	3
	Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**				
	Humanities and Fine Arts Select 6 hours from at least two specific disciplines.				
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6	**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
	Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.				
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6	HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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
	Humanities, 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.	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	37		Group 2 Major Requirements	38
	Group 1 Core Requirements	33		Group 1 Core Requirements	27
	Total Hours	70		Total Hours*	65
				*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

Eastern Illinois University		Semester	Missouri S&T	
ENG 1002G or CMN 1310G	Composition II: Argument & Critical Inquiry or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement. 3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305. 5
PHY 2390	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics 3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 9 hours to include 3 hours Humanities and Fine Arts and 3 hours Behavioral and Social Sciences. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**				
Humanities and Fine Arts Select 3 hours				
HIS 2010* or **HIS 2020*** or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	3	**HISTORY 1300*** or **HISTORY 1310*** or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.** 3
Behavioral and Social Sciences Select 3 hours.				
PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	3	PHILOS 1105 or PHILOS 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
Humanities, 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.	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	19		Group 2 Major Requirements 20
	Group 1 Core Requirements	33		Group 1 Core Requirements 27
	Total Hours	52		Total Hours* 47
				*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

Eastern Illinois University		Semester	Missouri S&T		Semester
CMN 1310G	Intro to Speech Communication	3	SP&MS 1185	Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 1410, 1415	General Chemistry II and Lab	4	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 2440, 2445	Organic Chemistry I and Lab	4	CHEM 2210, 2219	Organic Chemistry I and Lab	4
CHM 2840, 2845 or BIO 1500	Organic Chemistry II and Lab or General Biology I	4	CHEM 2220, 2229* or BIO SCI 1213*, 1219	Organic Chemistry II and Lab*or Principles of Biology* Applies to degree as Track Elective. *BIO SCI 1213 will be substituted for 1113.	4
BIO 2210	Anatomy and Physiology I	4	BIO SCI 3333, 3339*	Anatomy and Physiology I and Physiology Lab *BIO SCI 3339 will be substituted for BIO SCI 3359.	4
CIT 1813	Intro to Programming (C++)	3	COMP SCI 1971,1981*	Intro to Programming Methodology and Lab* C++) *Will be substituted for CS 1500.	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 9 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 3 hours Behavioral and Social Sciences. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**					
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.					
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6	**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 3 hours.					
GEO 1200G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	3	HISTORY 2110 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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	35		Group 2 Major Requirements	35
	Group 1 Core Requirements	33		Group 1 Core Requirements	27
	Total Hours	68		Total Hours*	62
				*S&T advisor permission is required to transfer more than 69 credit hours toward the degree.	

Biomedical Engineering-Biomaterials
Group 2 Major Requirements

Eastern Illinois University		Semester	Missouri S&T	
CMN 1310G	Intro to Speech Communication	3	SP&MS 1185	Principles of Speech Applies to degree as Gen Ed Communication requirement. 3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310, 1319	General Chemistry I and Lab 5
CHM 1410, 1415	General Chemistry II and Lab	4	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 2440, 2445	Organic Chemistry I and Lab	4	CHEM 2210, 2219*	Organic Chemistry I and Lab* *CHEM 2219 Lab applies to the degree as a Track Elective (non-engineering). 4
CHM 2840, 2845 or BIO 1500	Organic Chemistry II and Lab	4	CHEM 2220, 2229*	Organic Chemistry II and Lab* Applies to degree as Track Elective. 4
BIO 1500	General Biology I	4	BIO SCI 1213*, 1219	Principles of Biology* *Applies to degree as Track Elective (Non-engineering). BIO SCI 1213 will be substituted for 1113. 4
BIO 2210	Anatomy and Physiology I	4	BIO SCI 3333, 3339*	Anatomy and Physiology I and Physiology Lab *BIO SCI 3339 will be substituted for BIO SCI 3359. 4
CIT 1813	Intro to Programming (C++)	3	COMP SCI 1971,1981*	Intro to Programming Methodology and Lab* C++) *Will be substituted for CS 1500. 3
PHY 2390	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics 3
PHY 3270	Intro to Circuit Analysis	3	ELEC ENG 2100*	Circuits I* *A passing grade on the Missouri S&T ELEC ENG 2100 final exam is required to receive credit for ELEC ENG 2100. Without the required passing score, the course will transfer as ELEC ENG 2800. ELEC ENG 2100 applies to the degree as a Track Elective (Engineering). 3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 9 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 3 hours Behavioral and Social Sciences. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**				
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.				
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock ***Satisfies the State of Missouri government requirement.**	6	**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Understanding and Appreciation or Music Understanding and Appreciation ***Satisfies the State of Missouri government requirement.** 6
Behavioral and Social Sciences Select 3 hours.				
GEO 1200G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	3	HISTORY 2110 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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	45		Group 2 Major Requirements 45
	Group 1 Core Requirements	33		Group 1 Core Requirements 27
	Total Hours	78		Total Hours* 72

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

Ceramic Engineering Group 2 Major Requirements

Eastern Illinois University		Semester	Missouri S&T		
ENG 1002G or CMN 1310G	Composition II: Argument & Critical Inquiry or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
PHY 2390	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 1410, 1415	General Chemistry II and Lab	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
CIT 1813	Intro to Programming (C++)	3	COMP SCI 1971,1981*	Intro to Programming Methodology and Lab* C++) *Will be substituted for CS 1500.	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**					
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.					
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6	**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.					
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6	HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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
Humanities, 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.	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	32		Group 2 Major Requirements	32
	Group 1 Core Requirements	33		Group 1 Core Requirements	27
	Total Hours	65		Total Hours*	59
				*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

	Eastern Illinois University	Semester		Missouri S&T	Semester
CMN 1310G	Intro to Speech Communication	3	SP&MS 1185	Principles of Speech	3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 1410, 1415	General Chemistry II and Lab	4	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 2440, 2445	Organic Chemistry I and Lab	4	CHEM 2210, 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 2840, 2845	Organic Chemistry II and Lab	4	CHEM 2220, 2229*	Organic Chemistry II (3) and Lab* (1) CHEM 2220 applies to the degree as 3 of the 9 required science elective credits. CHEM 2229 is not a degree requirement; transfers as general elective credit.	3
CIT 1813	Intro to Programming (C++)	3	COMP SCI 1971,1981*	Intro to Programming Methodology and Lab* C++) *Will be substituted for CS 1500.	3
	Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 12 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**				
	Humanities and Fine Arts Select 6 hours from at least two specific disciplines.				
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6	**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
	Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.				
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6	HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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	34		Group 2 Major Requirements	33
	Group 1 Core Requirements	33		Group 1 Core Requirements	27
	Total Hours	67		Total Hours*	60

*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

	Eastern Illinois University	Semester		Missouri S&T	
ENG 1002G or CMN 1310G	Composition II: Argument & Critical Inquiry or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
PHY 2390	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
	Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**				
	Humanities and Fine Arts Select 6 hours from at least two specific disciplines.				
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6	**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
	Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.				
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6	HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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
	Humanities, 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.	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	25		Group 2 Major Requirements	26
	Group 1 Core Requirements	33		Group 1 Core Requirements	27
	Total Hours	58		Total Hours*	70
				*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

Eastern Illinois University			Semester	Missouri S&T		
CMN 1310G	Intro to Speech Communication	3		SPMS 1185	Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4		CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
CIT 1813	Intro to Programming (C++)	3		COMP SCI 1971,1981*	Intro to Programming Methodology and Lab* C++) *Will be substituted for CS 1500.	3
PHY 2390 or S&T MECH ENG 2350 BOTH of the courses above or ONE of the courses below. OR CHM 2440	Statics (3) and Engineering Mechanics-Dynamics (2) at Missouri S&T Both courses above combined or any one of the following courses will satisfy a required engineering science elective. OR Organic Chemistry I (3)	3		CIV ENG 2200 and MECH ENG 2350 BOTH of the courses above or ONE of the courses below. OR CHEM 2210	Engineering Mechanics-Statics (3) and Engineering Mechanics-Dynamics (2) Both courses above combined or any one of the following courses will satisfy a required engineering science elective. OR Organic Chemistry I (3)	3
PHY 3270	Intro to Circuit Analysis	3		ELEC ENG 2100*	Circuits I* *A passing grade on the Missouri S&T ELEC ENG 2100 final exam is required to receive credit for ELEC ENG 2100. Without the required passing score, the course will transfer as ELEC ENG 2800.	3
MAT 2550	Intro to Linear Algebra	3		MATH 3108	Linear Algebra Will satisfy a required math elective.	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**						
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.						
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6		**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6		HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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
Humanities, Arts, and Social Sciences Select 3 hours.						
ENG 1002G	Composition II: Argument & Critical Inquiry	3		ENGLISH 1160	Writing and Research	3
Electives	Maximum Free Electives	3		Electives	Maximum Free Electives	3
	Group 2 Major Requirements	37			Group 2 Major Requirements	38
	Group 1 Core Requirements	33			Group 1 Core Requirements	27
	Total Hours	70			Total Hours*	65
					*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

Eastern Illinois University			Semester	Missouri S&T		
CMN 1310G	Intro to Speech Communication	3		SPMS 1185	Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4		CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
CIT 1813	Intro to Programming (C++)	3		COMP SCI 1971,1981*	Intro to Programming Methodology and Lab* C++) *Will be substituted for CS 1500.	3
PHY 2390 or S&T MECH ENG 2350 BOTH of the courses above or ONE of the courses below. OR CHM 2440	Statics (3) and Engineering Mechanics-Dynamics (2) at Missouri S&T Both courses above combined or any one of the following courses will satisfy a required engineering science elective. OR Organic Chemistry I (3)	3		CIV ENG 2200 and MECH ENG 2350 BOTH of the courses above or ONE of the courses below. OR CHEM 2210	Engineering Mechanics-Statics (3) and Engineering Mechanics-Dynamics (2) Both courses above combined or any one of the following courses will satisfy a required engineering science elective. OR Organic Chemistry I (3)	3
PHY 3270	Intro to Circuit Analysis	3		ELEC ENG 2100*	Circuits I* *A passing grade on the Missouri S&T ELEC ENG 2100 final exam is required to receive credit for ELEC ENG 2100. Without the required passing score, the course will transfer as ELEC ENG 2800.	3
MAT 2550	Intro to Linear Algebra	3		MATH 3108	Linear Algebra	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**						
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.						
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6		**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6		HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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
Humanities, Arts, and Social Sciences Select 3 hours.						
ENG 1002G	Composition II: Argument & Critical Inquiry	3		ENGLISH 1160	Writing and Research	3
Electives	Maximum Free Electives	6		Electives	Maximum Free Electives	6
	Group 2 Major Requirements	40			Group 2 Major Requirements	41
	Group 1 Core Requirements	33			Group 1 Core Requirements	27
	Total Hours	73			Total Hours*	68
					*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

Eastern Illinois University		Semester	Missouri S&T		
CMN 1310G	Intro to Speech Communication	3	SPMS 1185	Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CIT 1813	Intro to Programming (C++)	3	COMP SCI 1971, 1981	Intro to Programming Method and Lab (C++)	3
PHY 3270	Intro to Circuit Analysis	3	ELEC ENG 2800	Electrical Circuits	3
PHY 2390	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**					
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.					
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6	**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines to include PSYCH 1101.					
PSY 1879G	Introductory Psychology	3	PSYCH 1101	General Psychology Required	3
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	3	HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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.**	3
Humanities, Arts, and Social Sciences Select 3 hours.					
ENG 1002G	Composition II: Argument & Critical Inquiry	3	ENGLISH 1160	Writing and Research	3
	No free electives applied to the degree.	0	Electives	Maximum Free Electives	0
	Group 2 Major Requirements	31		Group 2 Major Requirements	32
	Group 1 Core Requirements	33		Group 1 Core Requirements	27
	Total Hours	64		Total Hours*	61
				*S&T advisor permission is required to transfer more than 61 credits toward the S&T Engineering Management degree.	

Environmental Engineering Group 2 Major Requirements

Eastern Illinois University		Semester	Missouri S&T		Semester
ENG 1002G or CMN 1310G	Composition II: Argument & Critical Inquiry or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 1410, 1415	General Chemistry II and Lab	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
BIO 1500	General Biology I	4	BIO SCI 1213*, 1219	Principles of Biology* *BIO SCI 1213 will be substituted for 1113.	3
PHY 2390	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 12 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, or 1310 to satisfy the State of Missouri government requirement and a degree-specific gen ed requirement.**					
Humanities and Fine Arts Select 6 hours from at least two specific disciplines. At least one course in either the HFA or the BSS (below) section must be selected from HISTORY 1200, 1300, or 1310.					
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6	**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.. At least one course in either the HFA (above) or the BSS section must be selected from HISTORY 1200, 1300, or 1310.					
PHI 1000G or PHI 1900G or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6	PHILOS 1105 or PHILOS 1115 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 General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement and a degree-specific gen ed requirement.**	6
	No free electives applied to the degree.	0		Maximum Free Electives	0
	Group 2 Major Requirements	30		Group 2 Major Requirements	29
	Group 1 Core Requirements	33		Group 1 Core Requirements	27
	Total Hours	63		Total Hours*	56
				*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

Eastern Illinois University			Semester	Missouri S&T		
CHM 1310G,1315G	General Chemistry I and Lab	4		CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
PHY 2390	Statics	3		CIV ENG 2200	Engineering Mechanics-Statics	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**						
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.						
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6		**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6		HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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
Humanities, 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.	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	22			Group 2 Major Requirements	23
	Group 1 Core Requirements	33			Group 1 Core Requirements	27
	Total Hours	55			Total Hours*	64
					*S&T advisor permission is required to transfer more than 65 credits toward the S&T Geological Engineering degree.	

Mechanical Engineering Group 2 Major Requirements

Eastern Illinois University			Semester	Missouri S&T		
ENG 1002G or CMN 1310G	Composition II: Argument & Critical Inquiry or Intro to Speech Communication	3		ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4		CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305.	5
CIT 1813	Intro to Programming (C++)	3		COMP SCI 1971, 1981	Intro to Programming Method and Lab (C++)	3
PHY 3270	Intro to Circuit Analysis	3		ELEC ENG 2800	Electrical Circuits	3
PHY 2390	Statics	3		CIV ENG 2200	Engineering Mechanics-Statics	3
MAT 2550	Intro to Linear Algebra	3		MATH 3108	Linear Algebra I Satisfies the Advanced Math/Statistics elective requirement.	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**						
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.						
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6		**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6		HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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
Humanities, 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.	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	34			Group 2 Major Requirements	35
	Group 1 Core Requirements	33			Group 1 Core Requirements	27
	Total Hours	67			Total Hours*	62
					*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

	Eastern Illinois University		Semester		Missouri S&T	
ENG 1002G or CMN 1310G	Composition II: Argument & Critical Inquiry or Intro to Speech Communication	3		ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CIT 1813	Intro to Programming (C++)	3		COMP SCI 1971,1981*	Intro to Programming Methodology and Lab* C++) *Will be substituted for CS 1500.	3
ENG 1002G or CMN 1310G	Composition and Literature or Intro to Speech Communication	3		ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
PHY 2390	Statics	3		CIV ENG 2200	Engineering Mechanics-Statics	3
CHM 1310G,1315G	General Chemistry I and Lab	4		CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 1410, 1415	General Chemistry II and Lab	4		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 2440, 2445 or PHY 3270	Organic Chemistry I and Lab or Intro to Circuit Analysis	4		CHEM 2210 or ELEC ENG 2800	Organic Chemistry I (4) or Electrical Circuits (3) Not specifically required for the degree but will satisfy Out-of-Department Technical Elective Requirement.	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**						
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.						
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6		**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.						
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6		HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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
Humanities, 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.	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.	3			Maximum Free Electives	0
	Group 2 Major Requirements	42			Group 2 Major Requirements	38
	Group 1 Core Requirements	33			Group 1 Core Requirements	27
	Total Hours	75			Total Hours*	68
					*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

	Eastern Illinois University	Semester		Missouri S&T	
ENG 1002G or CMN 1310G	Composition II: Argument & Critical Inquiry or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310, 1319	General Chemistry I and Lab	5
PHY 2390	Statics	3	CIV ENG 2200	Engineering Mechanics-Statics	3
	Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 12 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**				
	Humanities and Fine Arts Select 6 hours from at least two specific disciplines.				
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6	**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
	Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.				
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6	HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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	22		Group 2 Major Requirements	23
	Group 1 Core Requirements	33		Group 1 Core Requirements	27
	Total Hours	55		Total Hours*	50

*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

Eastern Illinois University			Semester	Missouri S&T		
ENG 1002G or CMN 1310G	Composition II: Argument & Critical Inquiry or Intro to Speech Communication	3		ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4		CHEM 1310, 1319	General Chemistry I and Lab	5
CIT 1813	Intro to Programming (C++)	3		COMP SCI 1971, 1981	Intro to Programming Method and Lab (C++)	3
MAT 2550	Intro to Linear Algebra	3		MATH 3108	Linear Algebra	3
PHY 2390	Statics	3		CIV ENG 2200	Engineering Mechanics-Statics	3
PHY 3270	Intro to Circuit Analysis	3		ELEC ENG 2800	Electrical Circuits	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**						
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.						
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6		**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines to include either ECON 1100 or 1200.						
ECN 2801G or ECN 2802G	Principles of Microeconomics or Principles of Macroeconomics	3		ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	3		HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or Foreign Language	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
Humanities, 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.	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	34			Group 2 Major Requirements	35
	Group 1 Core Requirements	33			Group 1 Core Requirements	27
	Total Hours	67			Total Hours*	62
					*S&T advisor permission is required to transfer more than 69 credits toward the S&T Nuclear Engineering degree.	

Petroleum Engineering Group 2 Major Requirements

	Eastern Illinois University	Semester		Missouri S&T	
ENG 1002G	Composition II: Argument & Critical Inquiry	3		ENGLISH 1160	Writing and Research Applies to degree as Gen Ed Communications requirement. 3
CHM 1310G,1315G	General Chemistry I and Lab	4		CHEM 1310*, 1319	General Chemistry I and Lab *CHEM 1310 will be substituted for CHEM 1305. 5
PHY 2390	Statics	3		CIV ENG 2200	Engineering Mechanics-Statics 3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**					
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.					
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6		**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.** 6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.					
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6		HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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
Humanities, 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.	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	25			Group 2 Major Requirements 26
	Group 1 Core Requirements	33			Group 1 Core Requirements 27
	Total Hours	58			Total Hours* 53

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

Semiconductor Engineering-Device Engineering Emphasis
Group 2 Major Requirements

Eastern Illinois University		Semester	Missouri S&T		
ENG 1002G or CMN 1310G	Composition II: Argument & Critical Inquiry or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 1410, 1415	General Chemistry II and Lab	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
PHY 3270	Intro to Circuit Analysis	3	ELEC ENG 2100*	Circuits I* *A passing grade on the Missouri S&T ELEC ENG 2100 final exam is required to receive credit for ELEC ENG 2100. Without the required passing score, the course will transfer as ELEC ENG 2800.	3
CIT 1813	Intro to Programming (C++)	3	COMP SCI 1971,1981*	Intro to Programming Methodology and Lab* C++) *Will be substituted for CS 1500.	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**					
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.					
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6	**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.					
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6	HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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
Humanities, 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.	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	35		Group 2 Major Requirements	35
	Group 1 Core Requirements	33		Group 1 Core Requirements	27
	Total Hours	68		Total Hours*	62

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

Semiconductor Engineering-Process Engineering Emphasis
Group 2 Major Requirements

Eastern Illinois University		Semester	Missouri S&T		Semester
ENG 1002G or CMN 1310G	Composition II: Argument & Critical Inquiry or Intro to Speech Communication	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
CHM 1310G,1315G	General Chemistry I and Lab	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 1410, 1415	General Chemistry II and Lab	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
PHY 3270	Intro to Circuit Analysis	3	ELEC ENG 2100*	Circuits I* *A passing grade on the Missouri S&T ELEC ENG 2100 final exam is required to receive credit for ELEC ENG 2100. Without the required passing score, the course will transfer as ELEC ENG 2800.	3
CIT 1813	Intro to Programming (C++)	3	COMP SCI 1971,1981*	Intro to Programming Methodology and Lab* C++) *Will be substituted for CS 1500.	3
Humanities, Arts, and Social Sciences General Education Requirements From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. ***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**					
Humanities and Fine Arts Select 6 hours from at least two specific disciplines.					
HIS 2010* or **HIS 2020*** or ART 2330G or MUS 2555G or MUS 2557G or Literature	**History of US to 1877*** or **History of US Since 1877*** or Art Appreciation or The Enjoyment of Music or The Evolution of Jazz and Rock or Any literature with prerequisite of no more than English Composition I. ***Satisfies the State of Missouri government requirement.**	6	**HISTORY 1300*** or **HISTORY 1310*** or ART 1180 or MUSIC 1150 or MUSIC 1150 or Literature	**American History to 1877*** or **American History Since 1877*** or Art Appreciation or Music Appreciation or Music Appreciation or Any literature with prerequisite of no more than ENGLISH 1120. ***Satisfies the State of Missouri government requirement.**	6
Behavioral and Social Sciences Select 6 hours from at least two specific disciplines.					
GEO 1200G or PHI 1000G or PHI 1900G or **PLS 1153G*** or PSY 1879G or ECN 2801G or ECN 2802G or Foreign Language	World Regional Geography or God...Values: Intro to Philosophical Questions or Logical and Critical Reasoning or **American Government and Constitution*** or Introductory Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language ***Satisfies the State of Missouri government requirement.**	6	HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or **POL SCI 1200*** or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	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
Humanities, 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.	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	35		Group 2 Major Requirements	35
	Group 1 Core Requirements	33		Group 1 Core Requirements	27
	Total Hours	68		Total Hours*	62

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