




- Assist CSU student with requirements.
- Provide information on transfer requirements.
- In order to fulfill requirements, students participating in this activity must meet the requirements of transferring institutions.


 Dr. Linda Greenway
 Associate Vice President for Academic Affairs
 Wichita State University


 Dr. Scott Rich
 President
 Sterling College


 Dr. Steven Skir
 Interim Dean
 Wichita State University


 Dr. Ken Blum
 Sterling College


 Dr. Michael Jorgensen
 Chair, Biomedical Engineering
 Wichita State University


 Dr. Erin Ladurnik
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 Chair, Natural Sciences and Mathematics
 Sterling College

**Dual Degree Pathway
and Biomedical Engineering
Sterling College & Wichita State**

Freshman – 1st Semester – Fall (Wichita State)			
Wichita State University Equivalent	Sterling College Course	Hours	Wichita State
ENGL 101 College English I	EN 100 College Composition I	3	3
BIOL 2008	BI 170/Lab Biology I: Evolution	4	4
CHEM 211 General Chemistry I	CH 151/Lab General Chem I	4	4
REL 115 New Testament (General Humanities)	TM 105 Intro to New Testament	3	3
JASI 2000 Elective	GD 105 Foundations of Servant Leadership (required to BS degree at Sterling College)	3	3
REL 2000 Elective	GD 100 Chapel/Convocation (required to BS degree at Sterling College)	0	0
Freshman – 2nd Semester – Spring (Wichita State)			
ENGL 102 College English II	EN 102 College Composition II	3	3
COMM 111 Public Speaking	COM 101 Public Speaking	3	3
MATH 241/242 Calc I	MA 210 Calc I	5	5
CHEM 212 General Chemistry II	CH 152/Lab Chem II	4	4
REL 2000 Elective	TM 106 Intro to Old Testament (required to BS degree at Sterling College)	3	3
Freshman – 3rd Semester – Fall (Wichita State)			
REL 110 Old Testament	TM 102 Intro to Old Testament	3	3
Sophomore – 1st Semester – Fall (Wichita State)			
Credit awarded after successful completion of PH 210, PH 220, PH 211 & PH 221	PH 210 Phys	5	5
Credit awarded after successful completion of PH 216, PH 226, PH 220, PH 211 & PH 221	PH 216 Phys	5	5
MATH 243 Calculus II	MA 210 Calc II	5	5
CHEM 533 Elem Organic Chemistry OR CHEM 534 Organic Chemistry	CH 252 Intro Org Chem	4	4
Education (Social Science) Recommended ECON 202 Principles of Macroeconomics OR SOC 111 Intro to Sociology	ED 101 Intro to Education (Required to BS degree at Sterling College)	3 or 4	3 or 4
REL 2000 Elective	GD 190 Chapel/Convocation (Required to BS degree at Sterling College)	0	0

Sophomore – 1st Semester	
CHEM 661 Introductory Biochemistry	CH 265 Biochemistry
Sophomore – 2nd Semester	
General Education	Approved General Education (Fine Arts) as found on the WSU Transfer Table
General Education	Approved General Education (S&BS) as found on the WSU Transfer Equivalent Table
Recommended ECON 201 Principles of Microeconomics	OR SOC 111 Intro to Sociology
OR SOC 111 Intro to Sociology	Psychology OR BS 115 Principles of Sociology
Credit awarded after successful completion of PH 240, PH 220, PH 211 & PH 230	PH 211 Physics II
PHYS 313 Physics for Scientists	
PHYS 315 University Physics Lab I	
PHYS 314 Physics for Scientists	
PHYS 316 University Physics Lab II	
REL 190 Elective	TM 366 Basic Christian Doctrine (required for BS degree at Sterling College)
REL 200 Elective	GR 190 Chapel/Religious Education (required for BS degree at Sterling College)
Junior	
CHEM 520 555 Organic Chemistry OR General Education (Social Sciences)	CH 232 Intro Organic Chem
Recommended ECON 201	
Macroeconomics OR PSY 111 General Psychology	PSY 111 General Psychology
OR SOC 111 Intro to Sociology	PH 101 Astronomy
General Education Further Studies (Humanities or S&BS) Recommended: HIST 335 History of Kansas	General Education Further Studies (Humanities or S&BS) Recommended: HIST 335 History of Kansas
OR ECON 202 Principles of Microeconomics OR PSY 225 Developmental Psychology	322 Kansas History, Govt, OR BS 201 Microeconomics
BIOL 2000 Elective – BME Open Elective	Developmental Psychology
MATH 555 Differential Equations Engineering Prob	BI 263/Lab Genetics (Required for BS degree at Sterling College)
HPS 2000 Elective	ES 101 Concepts of Earth, Planets, & Health (Required for BS degree at Sterling College)
REL 2000 Elective	GR 190 Chapel/Religious Education (required for BS degree at Sterling College)
(If taken at Sterling College)	
CHEM 661 Introductory Biochemistry	CH 265 Biochemistry

Junior – 1 st Semester-Spring (taken at WSU) 16 Credit Hours		
Wichita State University Requirements:		
BME 471 Introduction to Biomedical		
BIOL 210 General Biology I	4	
BME 335 Biomedical Computer Applications	3	
BME 115 Biomedical Engineering Seminar	1	
IME 254 Engineering Probability and Statistics I OR MATH 555 Differential Equations I	2	
Engineering Technical Elective (4 credits)	4	
Engineer of 2020 (2 or 3)	1	
Junior – SUMMER SEMESTER (must be completed prior to summer break)		
AE 223 Statics	3	
EE 262 Circuits I	4	
Junior – 2 nd Semester Fall (taken at WSU) 17 Credit Hours		
BME 452 Biomechanics	3	
BME 482 Design of Biodevices	3	
BME 585 Capstone Design I	3	
BIOL 223 Human Anatomy and Physiology	3	
ME 398 Thermodynamics	3	
Senior – 1 st Semester-Spring (taken at WSU) 17 Credit Hours		
BME 595 Capstone Design II	3	
BME 480 Bioinstrumentation	3	
Engineering Technical Elective	3	
Engineering Technical Elective	3	
Engineer of 2020 (2 or 3)	1	
Senior – 2 nd Semester Fall (taken at WSU) 16 Credit Hours		
BME 462 Introduction to Biomedical	3	
IME 235 Engineering Economy	3	
PHIL 385 Engineering Ethics	3	
Engineering Technical Elective	3	
Engineer of 2020 (3 or 3)	1	

Courses transferring to Spring taken from fall

Bachelors of Science Degree in

BS degree requirements for Biomedical Engineering at Wichita State University