SIU Southern Illinois University
CARBONDALE

B.S. Mechanical Engineering

2018-2019 Major Map for First Time College Student

Course and Title	Sem. Hours	Min. Grade	Course and Title	Sem. Hours	Min. Grade
YEAR ONE – Semester 1			**YEAR ONE – Semester 2**		
ENGL 101, English Composition I	3.0	C	ENGL 102, English Composition II	3.0	C
UNIV 101U, Saluki Success	1.0		MATH 250, Calculus II	4.0	C
MATH 150, Calculus I	4.0	C	CMST 101, Intro to Oral Communication	3.0	
CHEM 200/201, Intro to Chem Principles/Lab	4.0	C	CHEM 210, General and Inorganic Chem	3.0	
ME 102, Comptuer-Aided Engr Drawing	2.0		PHYS 205A/255A, University Physics I/Lab	4.0	C
	14.0			**17.0**	
YEAR TWO – Semester 1			**YEAR TWO – Semester 2**		
BIOL 202, Human Genetics & Health	2.0		MATH 305, Intro to Differential Equations	3.0	
ECON 240, Intro to Microeconomics	3.0		ME 312, Materials Sci Fundamentals	3.0	
MATH 251, Calculus III	3.0		ENGR 261, Dynamics	3.0	C
PHYS 205B/255B, University Physics II/Lab	4.0		UCC Fine Arts	3.0	
ENGR 250, Statics	3.0	C	UCC Humanities	3.0	
			Computational Methods[1]	2.0	
	15.0			**17.0**	
YEAR THREE – Semester 1			**YEAR THREE – Semester 2**		
ENGR 335, Electric Circuits	3.0		ME 302, Engineering Heat Transfer	3.0	
ENGR 350A, Mechanics of Materials	3.0		ME 336, System Dynamics & Control	3.0	
ENGR 351, Numerical Methods	3.0		ME 400, Engineering Thermodynamics II	3.0	
ENGR 370A, Fluid Mechanics	3.0		ME 472, Materials Selection for Design	3.0	
ME 300, Engineering Thermodynamics I	3.0		UCC Social Science	3.0	
UCC Humanities	3.0				
	18.0			**15.0**	
YEAR FOUR – Semester 1			**YEAR FOUR – Semester 2**		
ME 401, Thermal Measurements Lab	1.0		ME 309, Mechanical Analysis & Design	3.0	
ME 407, Measurements & Instrumentation	2.0		ME 411, Manuf Meth for Engr Materials	3.0	
ME 475, Machine Design I	3.0		ME 495B, Mechanical Engineering Design	3.0	
ME 495A, Mechanical Engineering Design	3.0		ME 4XX, Elective	3.0	
ME 4XX, Elective	3.0		ME 4XX, Elective	3.0	
UCC Multicultural	3.0				
	15.0			**15.0**	

Total Hours: 126

Academic policies as well as degree and major-specific requirements can be found at ***catalog.siu.edu***. All students are encouraged to meet with the academic advisor on a regular basis to ensure timely progress to degree.

University Core Curriculum (UCC) is satisfied with the transfer of an Associate of Art or Sciences (AA or AS) degree or the completion of the Illinois Articulation Initiative-General Education Core Curriculum (IAI-GECC) from an Illinois community college.

[1]Choose from: ME 222, ENGR 222, or ENGR 296