



Transfer Single Articulation Pathways

A.S. in Mechanical Engineering → B.S. in Engineering with Mechanical Engineering Emphasis

Year 3					
Fall Semester			Spring Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
ENGR 355	Strength of Materials	4	ENGR 375	Fluid Mechanics	3
ME 366	Dynamics of Machinery	3	ME 365	Modeling Dynamic Systems	3
ENGR 305	Engineering Statistics	3	ME 364	Materials Science	3
	Engineering Elective	3	ENGR 335	Engineering Economics	3
	Mathematics or Science Elective	3	PHIL 201	Introduction to Ethics	3
				Engineering Elective	1
Semester Credit Total		16	Semester Credit Total		16
USI Cumulative Credit Total		16	Cumulative Credit Total		32

Year 4					
Fall Semester			Spring Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
ME 463	Heat Transfer	3	ENGR 491	Senior Design	3
	Engineering Elective (300/400 level)	3		Engineering Elective (300/400 level)	3
	Engineering Elective (300/400 level)	3		Engineering Elective (300/400 level)	3
ENGR 471	Engineering Design and Analysis	3		Ways of Knowing Core	3
KIN 192	Concepts in Wellness and Fitness	1		Ways of Knowing Core	3
Semester Credit Total		13	Semester Credit Total		15
USI Cumulative Credit Total		45	Cumulative Credit Total		60

Notes:

1. To fulfill the design sequence requirement for the Mechanical Engineering Emphasis, a student must complete at least one of these: ME 465 Fluid/Thermal Design, ME 466 Machine Design, ME 473 Introduction to Control Systems as one of the student's Engineering Electives.
2. Students are highly encouraged to take courses in United States History or Government, Literature, and Foreign Language to fulfill Core 39 choices.
3. Student must meet USI graduation requirements: 120 credit hours; 39 credit at 300/400 level; 30 credit hours taken at USI; overall GPA of 2.0.