



Transfer Single Articulation Pathways
A.S. in Mechanical Engineering Technology → B.S. in Advanced Manufacturing

Year 3					
Fall Semester			Spring Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
TECH 351	Thermodynamics and Heat Transfer	3	ENGR 335	Engineering Economics	3
ECON 208	Principles of Microeconomics	3	ECON 209	Principles of Macroeconomics	3
TECH 362	Manufacturing	3	TECH 367	Advanced Manufacturing	3
TECH 275	Statistics and Safety in Manufacturing	3	ENGR 104	Applied Problem Solving	3
TECH 103	Materials and Manufacturing Processes	3	ENG 201	Rhetoric and Composition II	3
KIN 192	Concepts in Wellness and Fitness	1	TECH 315	Strength of Materials	3
Semester Credit Total		16	Semester Credit Total		18
USI Cumulative Credit Total		16	Cumulative Credit Total		34

Year 4					
Fall Semester			Spring Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
TECH 272	Robotics	3	TECH 471	Senior Project	3
TECH 401	Work Cell and Production Systems Design	3	PHYS 176	General Physics II with laboratory	4
BCOM 231	Business Communication	3		Social Science Core (300/400 level)	3
IME 331	Introductions of Statistical Quality Control	3		World Languages & Culture Core (300/400 level)	3
ENGR 482	Engineering Organization and Management	3			
Semester Credit Total		15	Semester Credit Total		13
USI Cumulative Credit Total		49	Cumulative Credit Total		62

Note: 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.