

Degree Completion Pathways

Map to Completion

Beginning in the Fall as a freshman student

Engineering Design			
Associate Degree/Certificate/Short Certificate			
Full Time	Course Prefix	Course Title	Credit Hours
Fall Semester 1	ADM101	Precision Measurements	3
	ADM102	Computer Aided Design	3
	ADM107	CAD Concepts	3
	Eng101	English Composition I	3
	ORI101	Orientation to the College	1
Congratulations!			
Mechanical Design Fundamentals Short Certificate Awarded			
Spring Semester 1	ADM110	Blueprint Reading	3
	ADM114	Design Innovation	3
	CIS146	Microcomputer Applications	3
	ENG102	English Composition II	3
Congratulations!			
Advance Certificate Short Certificate Awarded			
Summer Semester 1	ADM106	Quality Control Concepts	3
	ADM155	Manufacturing Projects	3
	ADM215	Geometric Dimension & Tolerance	3
	MTH100	Intermediate College Algebra	3
Congratulations!			
Mechanical Design Quality Short Certificate Awarded			
Fall Semester 2	ADM108	Introduction to 3D Modeling	3
	ADM261	Reverse Engineering	3
	ADM128	Plastic Material Processes	3
	AREA II	Humanities/Fine Arts Course	3
Congratulations!			
Engineering Design Certificate Awarded			
Spring Semester 2	ADM103	Introduction to Computer Integrated Manufacturing	3
	ADM208	Intermediate 3D Modeling	3
	AREA III	4 credit hour Natural Science Course	4
	AREA IV	History, Social, or Behavioral Science Course	3
	BSS220	Professional Transition	1
Congratulations!			
Associates in Applied Science Degree in Engineering Design Awarded			
Advanced Certificate			Total Hours- 9
Mechanical Design Fundamentals			Total Hours- 9
Mechanical Design Quality			Total Hours- 12
Engineering Design Certificate			Total Hours- 38
Associates in Applied Science Degree in Engineering Design			Total Hours- 63