

# Degree Completion Pathways

## *Map to Completion*

*Beginning in the Summer as a freshman student.*

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