

# Engineering and Design

## Program

Engineering and Design

## Degree Type

Associate in Applied Science (AAS)

## First Semester

Item #	Title	Credits
DDT 104	BASIC COMPUTER AIDED DRAFTING	3
DDT 111	FUNDAMENTALS OF DRAFTING AND DESIGN TECHNOLOGY	3
ADM 202	INTRODUCTION TO TECHNOLOGY DESIGN	3
ADM 112	ORIENTATION TO ADDITIVE MANUFACTURING	1
MTH 100	INTERMEDIATE COLLEGE ALGEBRA	3

## Second Semester

Item #	Title	Credits
DDT 127	INTERMEDIATE COMPUTER AIDED DRAFTING AND DESIGN	3
DDT 125	SURFACE DEVELOPMENT	3
DDT 233	INTERMEDIATE 3D MODELING	3
ENT 217	MACHINE DESIGN	3
ENG 101	ENGLISH COMPOSITION I	3

## Third Semester

Item #	Title	Credits
ADM 160	ADDITIVE MANUFACTURING PRODUCTION TECHNIQUES	3
ADM 161	SPECIALIZED SOFTWARE TECHNIQUES	3
ADM 162	ADDITIVE MANUFACTURING PROCESS	3
ADM 114	DESIGN INNOVATION	3
	Natural Science or Mathematics Elective	3

## Fourth Semester

Item #	Title	Credits
ADM 101	PRECISION MEASUREMENT	3
ADM 261	REVERSE ENGINEERING	3
DDT 238	SPECIAL TOPICS IN CAD	3
ENT 214	ADVANCED AUTOCAD CADD	3
	Humanities and Fine Arts Elective	3

# Fifth Semester

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
DDT 133	Basic Surveying	3
DDT 212	INTERMEDIATE ARCHITECTURAL DRAFTING	3
DDT 132	ARCHITECTURAL DRAFTING	3
	Social and Behavioral Sciences Elective	3
	<b>Total Credits</b>	<b>70</b>