

Mechanical Engineering Technology A.A.S. Degree (A40320)

First Year

Fall 1st Semester

Course	Title	Contact Hours	Credit Hours	Offered	Pre/Co-Requisites
BPR 111	Blueprint Reading	3	2	F, S	None
DFT 111	Technical Drafting I	4	2	F	None
DFT 111A	Technical Drafting I Lab	3	1	F	State Co-req: DFT 111
DFT 151	CAD I	5	3	F	None
ENG 111	Writing and Inquiry	3	3	F, S, SS	Developmental courses may be required (ENG 002, ENG 011)
MAC 141	Machining Applications I	8	4	F	None
Semester Total		26	15		

Spring 2nd Semester

Course	Title	Contact Hours	Credit Hours	Offered	Pre/Co-Requisites
COM 231	Public Speaking	3	2	F, S, SS	None
CTS 130	Spreadsheet	4	3	F, S	None
EGR 150	Intro to Engineering	3	2	F, S, SS	None
ELC 128	Intro to PLC	5	3	F, S	None
MAT 121	Algebra/Trigonometry I	4	3	F, S, SS	Developmental courses may be required (MAT 003, MAT 021)
MEC 145	MFG Materials	5	3	S	None
Semester Total		24	16		

Summer 3rd Semester

Course	Title	Contact Hours	Credit Hours	Offered	Pre/Co-Requisites
DFT 153	CAD III	5	3	SS	Local Pre-req: DFT 151
MEC 265	Fluid Mechanics	4	3	F, SS	None
WBL 110	World of Work	1	1	F, S, SS	None
Semester Total		10	7		

Second Year

Fall 4th Semester

Course	Title	Contact Hours	Credit Hours	Offered	Pre/Co-Requisites
DDF 211	Design Process I	7	4	F	None
DFT 154	Intro to Solid Modeling	5	3	F	None
EGR 250	Statics/Strength of Mater	7	5	F	State Pre-req: MAT 121 or MAT 171
ISC 132	Mfg Quality Control	5	3	F, SS	None
PHY 131	Physics-Mechanics	5	4	F, SS	State Pre-req: MAT 121 or MAT 171
Semester Total		29	19		

Spring 5th Semester

Course	Title	Contact Hours	Credit Hours	Offered	Pre/Co-Requisites
DFT 254	Intermediate Solid Modeling/ Rendering	5	3	S	State Pre-req: DFT 154
DFT 259	CAD Projects	5	3	S	None
*see table below	Humanities/Fine Arts Elective	3	3	F, S, SS	Various
**see table below	Social/Behavioral Science Elective	3	3	F, S, SS	Various
***Major Elective	Major Elective	7-11	2-4	Various	Various

Semester Total

23-27 14-16

113-117 71-73