

Mechanical Engineering Technology AAS (A40320) – 69 Credit Hours

2018-2019

Fall – 1 st Year				
Course Number	Course Name	Lec	Lab	Credit
CIS 110	Intro to Computers (S)	2	2	3
DFT 151	CAD I	2	3	3
ENG 111	Writing and Inquiry (S)	3	0	3
MAT 171	Mathematics Elective with Lab (S)	3	2	4
MAC 121	Intro to CNC	2	0	2
	Social/Behavioral Science Elective	3	0	3
Total				18

Fall – 2 nd Year				
Course Number	Course Name	Lec	Lab	Credit
DFT 154	Intro to Solid Modeling ★ (Fall Even)	2	3	3
MAC 114	Introduction to Metrology	2	0	2
EGR 251	Statics (Fall Even)	2	2	3
MEC 145	Mfg Materials I (Fall Even)	2	3	3
PHY 151	College Physics	3	2	4
	Humanities/Fine Arts Elective	3	0	3
Total				18

Major Electives (Select 5 credit hours minimum)				
Course Number	Course Name	Lec	Lab	Credit
ATR 112	Intro to Automation	2	3	3
BPR 111	Print Reading	1	2	2
BUS 135	Principles of Supervision	3	0	3
BUS 139	Entrepreneurship I	3	0	3
WBL 110	World of Work	1	0	1
WBL 111	Work-Based Learning I (and)	0	0	1
WBL 115	Work-Based Learning Seminar I	1	0	1
CSC 151	JAVA Programming	2	3	3
ELN 131	Analog Electronics I	3	3	4

★ - Designates classes preparing students to sit for SolidWorks CSWA exam

Spring – 1 st Year				
Course Number	Course Name	Lec	Lab	Credit
DFT 152	CAD II	2	3	3
HYD 110	Hydraulics/Pneumatics (S)	2	3	3
ELC 117	Motors and Controls (S)	2	6	4
ISC 112	Industrial Safety (S)	2	0	2
MAC 122	CNC Turning	1	3	2
	Communications Elective (S)	3	0	3
Total				17

Spring – 2 nd Year				
Course Number	Course Name	Lec	Lab	Credit
ELC 128	Intro to PLC	2	3	3
EGR 252	Strength of Material	2	2	3
MEC 130	Mechanism	2	2	3
MEC 151	Mechanical Manufacturing Systems	1	3	2
	Major Elective			5
Total				16

Major Electives (Select 5 credit hours minimum)				
Course Number	Course Name	Lec	Lab	Credit
ELN 133	Digital Electronics	3	3	4
ISC 132	Manufacturing Quality Control	2	3	3
MAC 151	Machining Calculations	1	2	2
MEC 180	Engineering Materials	2	3	3
MEC 260	Fundamentals of Machine Design	2	3	3
CTI 120	Network and Security Foundation	2	2	3
WLD 112	Basic Welding Process	1	3	2

(S) – Designates recommended classes for students starting in spring of the first year