



2017 - 18
Mechatronics
Associate of Applied Science Degree

Fall Year 1		Courses	Credit Hours	
CNC 1110	Basic Gauges and Measurements		3	17
CNC 1310 / CNC 1410L	Machining Theory and Methods / Lab		4 / 0	
EET 1110 / EET 1110L	Electrical Technology / Lab		4 / 0	
MATT 1710	Industrial Safety Hoists and Cranes		2	
MATT 1910	Blueprint reading		1	
MTH 1110	College Algebra I		3	
Spring Year 1		Courses	Credit Hours	
EET 1150 / EET 1150L	Circuits / Lab		4 / 0	13
ENG 1010	College Composition I		3	
MATT 1350 / MATT 1350L	Electro-Hydraulics / Lab		3 / 0	
MATT 1510 / MATT 1510L	Mechanical Drives / Lab		3 / 0	
Summer Year 1		Courses	Credit Hours	
MATT 2110 / MATT 2110L	Industrial Controls / Lab		3 / 0	10
MATT 2510 / MATT 2510L	General Preventative/Predictive Maintenance / Lab		2 / 0	
MTH 1310	Pre-Calculus		5	
Fall Year 2		Courses	Credit Hours	
ENG 1020	College Composition II		3	10
MATT 1210 / MATT 1210L	Integrated Systems / Lab		3 / 0	
MATT 2210 / MATT 2210L	Programmable Logic Controllers / Lab		4 / 0	
Spring Year 2		Courses	Credit Hours	
MATT 2220 / MATT 2220L	Advanced Programmable Logic Controller Application / Lab		4 / 0	10
MATT 2350 / MATT 2350L	Introduction to Gas/Arc/Mig/Tig Welding / Lab		3 / 0	
SPK 2010	Oral Communication		3	
Summer Year 2		Courses	Credit Hours	
EET 1610 / EET 1610L	Introduction to Robotics / Lab		3 / 0	8
MATT 2810	Materials Quality and Project Management		2	
Choose 1 course from the following:				
PSY 1010	Human Relations		3	

PSY 1110	General Psychology	3	

Fall Year 3		Courses	Credit Hours
No program courses scheduled			0
Spring Year 3		Courses	Credit Hours
MATT 1410	Manufacturing Processes and Economics		3
MATT 2710	Shop Floor Networking		1
			4
Summer Year 3		Courses	Credit Hours
MATT 2990	Capstone Project		6
			6
Program Total			78