

# ASSOCIATE OF APPLIED SCIENCE MECHATRONICS



All first-time, full-time students must enroll in either Student Opportunities Seminar (SOS) OR Principles of Collegiate Success (PCS) as determined by entrance exam scores.

Semester 1 (Fall)			
Course	Credits	Prerequisite ("C" or Better)	Milestone/Notes
DATA 1123 Fundamentals of Info Tech	3	Keyboarding exam or GBUS1103 recommended	
IEMT 1303 Fundamentals of Electricity	3		Fall Only
IEMT 1213 Mechanical Devices & Systems	3		Fall Only
IEMT 2413 Industrial Safety	3		Fall Only
MECH 1103 Principles of Mechatronics	3		Fall Only
<b>Hours</b>	<b>15</b>		
<b>*Students should apply for the Certificate of Proficiency - Mechatronics Operation</b>			
Semester 2 (Spring)			
IEMT 1103 Wiring Methods	3	Fundamentals of Electricity	Spring Only
ELCT 1224 Digital and Electronic Circuits	4	Fundamentals of Electricity	Spring Only
MACH 1103 Basic Blueprint Reading	3	Placement score or Foundations I	Spring Only
IEMT 1203 Fluid Power (Hydraulics & Pneumatics)	3		Spring Only
ELCT 1203 Motors and Motor Controls	3	Fundamentals of Electricity	Spring Only
<b>Hours</b>	<b>16</b>		
<b>* Students should apply for the Certificate of Proficiency – Mechatronics Practice</b>			
Semester 3 (Fall)			
CISS 1103 Network Essentials	3		Fall Only
MACH 2103 Intro to CAD	3	Basic Blueprint Reading	Fall Only
ENGL 1113 Composition I	3	Placement score or required remediation	
<i>Choose one:</i> MATH 1143 College Algebra MATH 1163 Quantitative Literacy	3	See catalog or consult an academic advisor for math placement information	
Mechatronics Elective	3		
<b>Hours</b>	<b>15</b>		
<b>*Student should apply for Technical Certificate Mechatronics Technology</b>			
Semester 4 (Spring)			
Industrial Maintenance Internship or Mechatronics Elective	4	Instructor Approval	Spring Only
ENGL 1213 Composition II	3	Composition I	
PSYC 1113 General Psychology	3		
ELCT 2324 PLCs and PLC Applications	4	Fundamentals of Electricity; Motors and Motor Controls	Spring Only
<b>Hours</b>	<b>14</b>		
<b>*Students should apply for Associate of Applied Science Mechatronics – Total Hours 60</b>			