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
Hours	**15**		
Students should apply for the Certificate of Proficiency - Mechatronics Operation			
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
Hours	**16**		
Students should apply for the Certificate of Proficiency – Mechatronics Practice			
Semester 3 (Fall)			
CNWT 1434 CISCO Networking I	4		Fall Only
MACH 2103 Intro to CAD	3	Basic Blueprint Reading	Fall Only
ENGL 1113 Composition I	3	Placement score or required remediation	
Choose one: MATH 1143 College Algebra MATH 1163 Quantitative Literacy	3	Placement score or Foundations II Placement score or Foundations I	
Mechatronics Elective	3		
Hours	**16**		
Student should apply for Technical Certificate Mechatronics Technology			
Semester 4 (Spring)			
IEMT 2503 Industrial Internship or Mechatronics Elective	3		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
Hours	**13**		
Students should apply for Associate of Applied Science Mechatronics – Total Hours 60			