

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 | | "C" or better; Fall Only |
| IEMT 1213 Mechanical Devices & Systems | 3 | | "C" or better; Fall Only |
| IEMT 2413 Industrial Safety | 3 | | "C" or better; Fall Only |
| MECH 1103 Principles of Mechatronics | 3 | | "C" or better; 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 | "C" or better; Spring Only |
| ELCT 1224 Digital and Electronic Circuits | 4 | Fundamentals of Electricity | "C" or better; Spring Only |
| MACH 1103 Basic Blueprint Reading | 3 | Placement score or Foundations I | "C" or better; Spring Only |
| IEMT 1203 Fluid Power (Hydraulics & Pneumatics) | 3 | | "C" or better; Spring Only |
| ELCT 1203 Motors and Motor Controls | 3 | Fundamentals of Electricity | "C" or better; 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 | "C" or better; 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 | Placement score or Foundations II Placement score or Foundations I | |
| Mechatronics Elective | 3 | | "C" or better; |
| Hours | 16 | | |
| *Student should apply for Technical Certificate Mechatronics Technology | | | |
| Semester 4 (Spring) | | | |
| IEMT 2503 Industrial Internship or Mechatronics Elective | 3 | | "C" or better; 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 | "C" or better; Spring Only |
| Hours | 13 | | |
| *Students should apply for Associate of Applied Science Mechatronics – Total Hours 60 | | | |