Associate in Applied Science Degree

MECHATRONICS TECHNOLOGY

Coming Fall 2018

The Mechatronics Technology degree program will provide students with the fundamental skills and understanding in electronics, mechanical and fluid power and automated controls commonly found within the manufacturing industry. Furthermore, graduates of the program will be able to perform a systemic analysis and troubleshoot on equipment and machinery utilized in the industry.

PROPOSED CURRICULUM SEQUENCE

First Semester - Fall		
EEM 117	AC/DC Circuits I	4
ENG 155	Communications I	3
IMT 112	Hand Tool Operations	3
MAT 170	Algebra, Geometry & Trigonometry	3
	TOTAL	13
Second Semester - Spring		
EEM 151	Motor Controls I	4
EEM 118	AC/DC Circuits II	4
IMT 131	Hydraulics & Pneumatics	4
MAT 171	Algebra, Geometry & Trigonometry II	3
	TOTAL	15
Third Semester - Summer		
EEM 162	Introduction to Process Control	3
EEM 200	Semiconductor Devices	4
EEM 231	Digital Circuits I	3
PSY 103	Human Relations	3
	TOTAL	13
Fourth Semester - Fall		
AMT 105	Robotics & Automated Controls I	3
EEM 221	DC/AC Drives	3
EEM 251	Programmable Controllers	3
IMT 170	Statistical Process Control	3
PHI 103	Workplace Ethics	3
	TOTAL	15
Fifth Semester - Spring		
AMT 205	Robotics and Automated Control II	3
EEM 252	Programmable Controller Applications	3
EEM 274	Technical/System Troubleshooting	4
IMT 161	Mechanical Power Applications	4
	TOTAL	14
	TOTAL CREDIT HOURS	**70**

*Students interested in transferring to a senior institution should select ENG 101 in place of ENG 155; PSY 201 in place of PSY 103; and PHI 110 in place of PHI 103.