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		
CET 218	Hydraulics	3
EET 113	Electrical Circuits I	4
EEM 107	Industrial Computer Techniques	2
EEM 151	Motor Controls I	4
IDS 105	Career Assessment and Exploration	1
	TOTAL	14
Second Semester - Spring		
EET 275	Intro to Robotics Manufacturing Technology	3
IMT 102	Industrial Safety	2
IMT 112	Hand Tool Operations	3
IMT 161	Mechanical Power Application	4
MAT 155	Contemporary Mathematics	3
	TOTAL	15
Third Semester - Summer		
EEM 201	Electronic Devices I	3
EET 235	Programmable Controllers	3
EGT 123	Industrial Print Reading	2
ENG 155	Communications I*	3
IMT 170	Statistical Process Control	3
	TOTAL	14
Fourth Semester - Fall		
AMT 206	Electricity and Automation	2
EEM 162	Introduction to Process Control	3
EEM 221	DC/AC Drives	3
EET 236	PLC Systems Programming	3
MAT 170	Algebra, Geometry and Trigonometry I	3
	TOTAL	14
Fifth Semester - Spring		
AMT 205	Robotics and Automated Control II	3
EEM 275	Technical Troubleshooting	3
IMT 163	Problem Solving for Mechanical Applications	3
PHI 103	Workplace Ethics*	3
PSY 201	General Psychology	3
	TOTAL	15
	TOTAL CREDIT HOURS	**72**

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