

Certificate

MECHATRONICS - INDUSTRIAL MAINTENANCE

This program is currently not accepting new students. Please consider selecting an alternative program, and meet with an advisor.

The Mechatronics Technology certificate 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 equipment and machinery utilized in the industry.

CURRICULUM SEQUENCE

First Semester - Fall

	Course Title	Semester Credit Hours
EEM 117	AC/DC Circuits I	4
EEM 140	National Electrical Code	3
IMT 131	Hydraulics & Pneumatics	4
IET 223	Industrial Safety	3
	TOTAL	14

Second Semester - Spring

EEM 118	AC/DC Circuits II	4
EEM 170	Electrical Installation	3
IMT 161	Mechanical Power Applications	4
	TOTAL	11

Third Semester - Summer

EEM 151	Motor Controls	4
EEM 221	DC/AC Drives	3
EEM 251	Programmable Controllers	3
	TOTAL	10
	TOTAL CREDIT HOURS	35