

Certificate

MECHATRONICS - INDUSTRIAL MAINTENANCE

*This program is not accepting students for the current semester.*

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.

Required Courses

Mechatronics - Industrial Maintenance Requirements

CERTIFICATE REQUIREMENTS: MECHATRONICS		
Component	Course Title	Semester Credit Hours
EEM 117	AC/DC Circuits I	4
EEM 118	AC/DC Circuits II	4
EEM 140	National Electrical Code	3
EEM 151	Motor Controls	4
EEM 170	Electrical Installation	3
EEM 221	DC/AC Drives	3
EEM 251	Programmable Controllers	3
IET 223	Industrial Safety	3
IMT 131	Hydraulics & Pneumatics	4
IMT 161	Mechanical Power Applications	4
	CREDITS	35
	TOTAL CREDIT HOURS	35