MECHATRONICS, A.A.S.

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Overview

Mechatronics integrates mechanical, electronics, fluid power, and computer control systems to create automated manufacturing production systems. The Mechatronics program prepares students for entry-level technician positions in the areas of robotics, industrial manufacturing and maintenance, fluid power, instrumentation, electronics, and process control automation.

Locations

Worthington

Course Number	Course Title	Credits
	Fall - Year 1	
MECH 1110	Fluid Power Calculations	2
MECH 1103	Basic Hydraulics	3
MECH 1105	Hydraulics Lab	3
MECH 1115	Computer Aided Design	2
MECH 1125	Electrical Controls I	2
MECH 1135	Electrical Controls II	3
	General Education(MATH1107 or MATH 1111)	**3**
	Total Credits Fall - Year 1	**18**
	Spring Year 1	
MECH 1120	Pneumatic Theory	3
MECH 1131	Pneumatic Lab	1
MECH 1102	Mechanical Power Transmission	2
MECH 2110	Circuit Design & Control Theory	3
MECH 2136	Programmable Logic Controllers	3
RNEW 1160	Instrumentation & Control Theory	3
MECH 2165	Instrumentation & Control Lab	1
	Credits Spring - Year 1	**16**
	Fall - Year 2	
MECH 2120	Automated Systems	5
MECH 2100	Advanced Systems Calculations	3
MECH 2125	Motion Control	3
MECH 2141	Proportional & Servo Control Theory	2
	Credits Fall - Year 2	**13**
	Spring - Year 2	
	General Education	**13**
	Credits Spring - Year 2	**13**
	TOTAL CREDITS	**60**