

Certificate in Mechatronics

(40 Semester Hours)

The Mechatronics Certificate program is designed to provide technology specific training in a combination of classroom and lab settings to prepare graduates for entry-level jobs in the mechatronics fields of electricity, mechanical power, hydraulics, pneumatics, and hand and power tool applications.

Program Coordinator/Advisor: Mr. Robert Ragno

Course	Title	(Lec-Lab-Credit)
COL-103	College Skills	(3-0-3)
MAT-101	Beginning Algebra	(3-0-3)
IET-223	Industrial Safety	(3-0-3)
EEM-107	Industrial Computer Techniques	(2-0-2)
EEM-117	AC/DC Circuits I	(3-3-4)
EEM-140	National Electrical Code	(3-0-3)
EEM-145	Control Circuits	(2-3-3)
EEM-170	Electrical Installation	(2-3-3)
EEM-215	AC/DC Machines	(2-3-3)
EEM-235	Power Systems	(2-3-3)
EEM-271	Sensors and System Interfacing	(2-0-2)
IMT-131	Hydraulics and Pneumatics	(3-3-4)
IMT-161	Mechanical Power Applications	(3-3-4)

Proposed Course Sequence

Fall

COL-103	College Skills	(3-0-3)
MAT-101	Beginning Algebra	(3-0-3)
IET-223	Industrial Safety	(3-0-3)
EEM-107	Industrial Computer Techniques	(2-0-2)
EEM-117	AC/DC Circuits I	(3-3-4)

Spring

EEM-140	National Electrical Code	(3-0-3)
EEM-145	Control Circuits	(2-3-3)
EEM-170	Electrical Installation	(2-3-3)
EEM-215	AC/DC Machines	(2-3-3)

Summer

EEM-235	Power Systems	(2-3-3)
EEM-271	Sensors and System Interfacing	(2-0-2)
IMT-131	Hydraulics and Pneumatics	(3-3-4)
IMT-161	Mechanical Power Applications	(3-3-4)