Industrial Technology-Mechatronics Option
Certificate Degree
30 Credit Hours

Purpose:

The Industrial Technology Certificate Program is designed to provide basic skills in a variety of applied industrial careers which can lead to entry-level positions and provides a smooth transition into an associate or high technology field.

Component I-General Education Support Courses: 10 Credit Hours

EN 101 or EN 101A	English Composition I	3 Credit Hours
MT 124 or MT 124A	Technical Math	3 Credit Hours
OR 105	Orientation to Technical Programs	1 Credit Hour
SP 103	Speech Fundamentals	3 Credit Hours

Component II- Specialization Major Courses: 20 Credit Hours

Students must complete at least one skill set in a technology field offered by the Division of Applied and Industrial Technology. Students may use a combination of additional technology-based courses from related fields to complete the specialization. The courses below are required to complete the Mechatronics Option Certificate Degree.

EG 103	Electrical Calculations	3 Credit Hours
EG 105	Industrial Safety	1 Credit Hours
EG 107	Introduction to Circuits	4 Credit Hours
MX 110	Introduction to Mechatronics	2 Credit Hours
MX 120	Mechanical Power I	2 Credit Hours
MX 130	Fluid Power I	2 Credit Hours
MX 180	PLC Fundamentals	1 Credit Hour
MX 184	PLC Interfacing and HMIS	1 Credit Hour
MX 186	PLC Applications	1 Credit Hour
MX 190	Industrial Robotics	3 Credit Hours

For more information, please contact:

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