

# Associate of Applied Science Computerized Manufacturing Technology Industrial Electronics Specialization



**PURPOSE:** The Electromechanical Technology Specialization of the Computerized Manufacturing major is designed to prepare students for employment in a wide variety of settings.

**PROGRAM REQUIREMENT:** Students are required to take English and Mathematics placement test. Due to the rapid change of this major, students are expected to take courses in the sequence they are listed and complete the major within two years. This major demands good students who genuinely like the technical are and want to help industry solve problems and increase productivity.

## First Year

Fall Semester			
DRF	160	Machine Blueprint Reading	3
ELE	140	Basic Electricity & Machinery	4
ITE	115	Intro To Computer Apps and Concepts	3
ENG	111	College Composition I	3
MTH	105	Technical Mathematics I	2
SDV	100	College Success Skills	1

Spring Semester			
ELE	156	Electrical Control Systems	3
ETR	143	Devices & Applications I	3
ENT	168	Digital Circuit Fundamentals	3
IND	137	Team Concepts and Problem Solving	3
MTH	106	Technical Mathematics II	2
Humanities Elective			3

## Second Year

Fall Semester			
DRF	200	Survey of computer-Aided Drafting & Design	4
ETR	218	Ind. Electronics Circuits	4
ETR	273	Computer Electronics I	4
IND	160	Introduction to Robotics	3
HLT/ PED Elective			1

Spring Semester			
ELE	239	Programmable Controllers	3
MEC	113	Materials and Processes of Industry	4
IND	295	Computer Integrated Projects I	3
SAF	126	Industrial Safety	3
Social Science Elective			3
<b>Total Minimum Credits for Degree</b>			<b>65</b>

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