

INDUSTRIAL AUTOMATION

Associate in Applied Science

Prescribed Technical Requirements	52
General Education	16
Total Degree Credits	68

Prescribed Technical Program Requirements

ESRE 210	Electrical and Safe Work Practices	3
ESRE 216	Mechanical Drive Systems	4
ESRE 213	Hydraulic Fundamentals	3
ESRE 218	Distributed Power Systems	4
ENRT 224	Automation and Control	3
ENRT 221	Applied Electronics	3
ESRE 226	Analog PLCs	3
ESRE 228	Technician Applications and Troubleshooting	4
ENRT 112	Print Reading	3
ENRT 105	Safety, Health and Environment	3
ENRT 240	Industrial SCADA	3
INAU 210	Automation Systems	3
INAU 220	Machine Vision and Identification	3
INAU 230	Industrial Robotics	3
INAU 240	Integrated Systems, Design and Setup	3
INAU 245	Integrated Systems, Troubleshooting and Quality Control	4
	Total Credits	52

General Education Requirements

<i>Arts & Humanities/Social & Behavioral Sciences</i>		
General Education Matrix (Arts & Humanities/Social & Behavioral Sciences)	3	
<i>Business, Math, Science & Technology</i>		
CIS 164	Networking Fundamentals I (Required)	4
General Education Matrix (Math Elective) ¹	3	
<i>Written or Oral Communications</i>		
ENGL 110	College Composition I (Required)	
ENGL 120	College Composition II	
or ENGL 125	Introduction to Professional Writing	
or COMM 110	Fundamentals of Public Speaking	
	Total Credits	16

1

Any of the following courses will satisfy the 3 Math credits required: MATH 137, MATH 103, MATH 104, MATH 105, MATH 107, MATH 146, MATH 165, MATH 166, MATH 208, MATH 210, or MATH 277.

College Degree Requirements

General Education & Diversity Course Matrix Requirements