

## Industrial Technologies

## AAS INTE – Industrial Maintenance Emphasis

201807 Revised 3/2020 (Fall 2019)

General Education Requirements	Credits	Semester Taken	Prerequisites
COLL 100 First Year Seminar	1		
ENGL 101 Composition and Reading I	3		ENGL 90 with a minimum grade of S or appropriate placement score
ENGL 215 Technical Writing <b>or</b> SPAN 100 Beginning Occupational Spanish	3		ENGL 101 (ENGL 215)
HIST 120 United States History to 1865 <b>or</b> HIST 121 United States History Since 1865 <b>or</b> POLS 136 Introduction to U.S. National Politics	3		
COMM 100 Fundamentals of Speech	3		ENGL 90 with a minimum grade of S or appropriate placement score.
<b>Option 1:</b> MATH 103 Technical Mathematics I or MATH 120 College Algebra and MATH 104 Technical Mathematics II or MATH 130 Trigonometry <b>Option 2:</b> MATH 150 PreCalculus or higher	5-6		MATH 31 with a grade of S or appropriate placement (MATH 103 and MATH 104) MATH 95 with a grade of C or appropriate placement (MATH 120 and MATH 150) MATH 120 or appropriate placement score (MATH 130)
Any course numbered 100 or higher from the following disciplines: ART, ANTH, COMM, ECON, ENGL, FOREIGN LANGUAGE, GEOG (Except 104,110 or GIS Courses), HIST, HUMN, MUSI, PHIL, POLS, PSYC, SIGN, SOSC, SOCI, THEA	3-5		
<b>Minimum Total General Education Credit Hours</b>	<b>20-23</b>		
<b>Core Program Requirements</b>			
EHSS 111 Introduction to Health & Safety for General Industry	1		
INTE 107 Industrial Electrical Safety	2		
INTE 112 Industrial Electrical DC Principles	2		Concurrent enrollment or completion of MATH 103 or higher
INTE 113 Industrial Electrical AC Principles	2		INTE 112 or equivalent
INTE 115 Electrical Print Reading	3		INTE 113
INTE 140 Fundamentals of Industrial Machine Repair	3		
INTE 175 Electric Motor Controls I	3		HVAC 109 or INTE 115
<b>Specific Program Requirements</b>			
INTE 150 Fluid Power Fundamentals of Hydraulics and Pneumatics	3		
INTE 151 Industrial Rigging	3		
INTE 240 Adv. Industrial Machine Repair	3		INTE 140
INTE 260 Industrial Pipefitting and Plumbing Fundamentals	3		INTE 140
INTE 275 Electric Motor Controls II	3		INTE 175
INTE 276 Electrical and PLC Troubleshooting	4		INTE 271 and INTE 275, co-requisite
CIMM 101 Machine Shop Safety	1		
CIMM 102 Basic Lathe Operation	1		CIMM 101 or concurrent enrollment
CIMM 103 Basic Mill Operation	1		CIMM 101 or concurrent enrollment
WELD 105 Welding for the Trades	3		
<b>Total Credit Hours Required</b>	<b>62-65</b>		