

Industrial & Engineering Technology

Industrial Technologies

AAS INTE – Industrial Maintenance Emphasis

201807 Revised 11/2018 (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 SPAN 100	Technical Writing or Beginning Occupational Spanish	3		ENGL 101 (ENGL 215)
HIST 120 HIST 121 POLS 135 POLS 136 POLS 137	United States History to 1865 or United States History Since 1865 or Introduction to Political Science or Introduction to U.S. National Politics or Introduction to State and Local Politics	3		
COMM 100	Fundamentals of Speech	3		ENGL 90 with a minimum grade of S or appropriate placement score.
Option 1: MATH 103 MATH 120 MATH 104 MATH 130 Option 2: MATH 150	Technical Mathematics I or College Algebra and Technical Mathematics II or Trigonometry 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		
Minimum Total General Education Credit Hours		18		
Core Program Requirements				
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
Specific Program Requirements				
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		
Total Credit Hours Required		62-65		