

## Industrial Technologies

## AAS INTE – Photovoltaic Emphasis

201829 Revised 11/2018 (Fall 2019)

COLL 100	First Year Seminar	1		
General Education Requirements		Credits	Semester Taken	Prerequisites
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 <i>or</i> Beginning Occupational Spanish	3		ENGL 101 (ENGL 215)
HIST 120 HIST 121 POLS 136	United States History to 1865 <i>or</i> United States History Since 1865 <i>or</i> 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.
MATH 103 MATH 104	Technical Mathematics I <i>and</i> Technical Mathematics II or higher	5-6		MATH 31 with a grade of S or appropriate placement (MATH 103 and MATH 104)
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, SOSOC, SOCI, THEA		3-5		
<b>Minimum Total General Education Credit Hours</b>		<b>18</b>		
<b>Core Program Requirements</b>				
CSIS 115	Computer Concepts and Applications	3		
EHSS 112	Introduction to Health & Safety for Construction	1		
INTE 107	Industrial Electrical Safety	2		
INTE 112	Industrial Electrical DC Principles	2		MATH 103 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 165	Wiring Methods and Materials Installation	3		INTE 113, 115, and INTE 142 as a co-requisite with a C or higher
<b>Specific Program Requirements</b>				
ETEC 152 ETEC 169	Engineering Graphics and CADD I or CADD I	3-5		MATH 95 w. a grade of C or higher or appropriate placement score (ETEC 152)
ETEC 211	Building Information Modeling, Revit	3		ETEC 152 or Concurrent enrollment or Project Lead The Way, Introduction to Engineering
INTE 142	National Electric Code	3		INTE 113 with a C or higher
INTE 185	Photovoltaic Systems	3		INTE 112 with a C or higher
INTE 224	Energy Management, Efficiency & Conservation	3		
INTE 230	Solar/Photovoltaic Design/Installation	4		INTE 142, INTE 185, and either ETEC 110, HVAC
INTE 235	Solar/Photovoltaic Site Assessment	3		INTE 185
INTE 242	Master and Journeyman Prep	3		INTE 142
<b>Total Credit Hours Required</b>		<b>62-67</b>		