

Industrial Engineering Technology Academic Degree Map

Associate in Applied Science

PROGRAM SUSPENDED



Year 1 – Fall Semester			
Course Code	Course Title	Credits	Notes
IET 1001	OSHA 10	1	
IET 101	Fundamentals of Electricity AC/DC	3	
IET 102	Fluid Power 1	3	
IET 1044	Mechatronics 1	4	
	Math Option ¹	3	Based upon placement testing requirements.
CREDIT HOURS SUBTOTAL		14	
Year 1 – Spring Semester			
Course Code	Course Title	Credits	Notes
IET 103	Advanced Sensor Technology	3	
IET 105	Mechanical Drive 1	3	
IET 121	Basic Controls	5	
	Technical Elective ⁴	1	Suggested technical elective option.
	English Option ²	3	Based upon placement testing requirements.
CREDIT HOURS SUBTOTAL		15	
Year 2 – Fall Semester			
Course Code	Course Title	Credits	Notes
IET 210	Mechanical Drive 2	3	
IET 220	Industrial Motor Controls	4	
	General Education Elective ³	3	Recommended general education elective.
	General Education Elective ³	3	Recommended general education elective.
	Technical Elective ⁴	2	Suggested technical elective option.
CREDIT HOURS SUBTOTAL		15	
Year 2 – Spring Semester			
Course Code	Course Title	Credits	Notes
IET 230	Advanced Manufacturing & Process Logistics	3	
IET 240	Applied Industry 4.0	5	
	Technical Elective ⁴	3	Suggested technical elective option.
	Technical Elective ⁴	3	Suggested technical elective option.
	General Education Elective ³	3	Recommended general education elective.
CREDIT HOURS SUBTOTAL		17	
TOTAL HOURS IN PROGRAM: 61			

Math Options¹			
Course Code	Course Title	Credit Hours	Notes
MAT 109	Technical Mathematics II	3	Prerequisite(s): Meet placement guidelines OR MAT 101 with a grade of "C" or higher OR MAT 108 with a grade of "C" or higher.
MAT 110	Intermediate Algebra	3	Prerequisite(s): Meet placement guidelines MAT 108 Beginning Algebra with a grade of "C" or higher.
MAT 135	College Algebra	3	Prerequisite(s): Meet Placement Guidelines OR MAT 109 with a grade of "C" or better OR MAT 110 with a grade of "C" or better.

English Options²			
Course Code	Course Title	Credit Hours	Notes
COM 110	Technical Writing	3	Prerequisite(s): Meet placement guidelines.
COM 105	English Composition I	3	Prerequisite(s): Meet placement guidelines.
COM 106	English Composition II	3	Prerequisite(s): COM 105 with a grade of "C" or higher.

General Education Elective Options³			
Course Code	Course Title	Credit Hours	Notes
COM 115	Public Speaking	3	
COM 116	Interpersonal Communications	3	Prerequisite(s): Meet placement guidelines.
HIS 106	U.S. History Since 1877	3	
HIS 105	U.S. History to 1877	3	
NTR 105	Nutrition	3	
POL 105	American Government	3	
PSY 100	General Psychology	3	
PSY 125	Human Growth & Development	3	
SOC 100	Intro to Sociology	3	
BSC 110	Biology	5	
BSC 125	Anatomy & Physiology	5	Prerequisite(s): BSC 110 with a "C" or higher or High School Anatomy & Physiology within five years with a "C" or higher and permission of instructor.
BSC 205	Microbiology	5	Prerequisite(s): BSC 110 with a "C" or higher or permission of instructor.
CHM 105	Intro to Chemistry -- KRSN CHM1030	5	Prerequisite(s): High school Algebra with "C" or higher.
CHM 110	Chemistry I--KRSN CHM1010	5	Prerequisite(s): Secondary or Post-secondary General Chemistry or Physical Science and Algebra within 5 years with grades of C or higher.
MAT 145	Elementary Statistics	3	Prerequisite(s): Meet placement guidelines OR MAT 109 with a grade of "C" or better OR MAT 110 with a grade of "C" or better.
MAT 155	Trigonometry	3	Prerequisite(s): MAT 135 College Algebra with a grade of "C" or higher.
MAT 101	Technical Mathematics I	3	Prerequisite(s): Meet placement guidelines.
MAT 109	Technical Mathematics II	3	Prerequisite(s): Meet placement guidelines OR MAT 101 with a grade of "C" or higher OR MAT 108 with a grade of "C" or higher.
COM 110	Technical Writing	3	Prerequisite(s): Meet placement guidelines.
PHY 100	General Physics	3	Prerequisite(s): Intermediate algebra.
COM 106	English Composition II	3	Prerequisite(s): COM 105 with a grade of C or higher.
CIS 100	Software Applications	3	

Suggested Technical Elective Options⁴			
Course Code	Course Title	Credit Hours	Notes
BUS 185	Business Ethics & Human Relations	3	
BUS 255	Principles of Management	3	
CIS 116	Spreadsheet Management	2	Prerequisite(s): CIS 100 Software Applications with a grade of C or higher.

CIS 126	Database Management	2	Prerequisite(s): CRT 148 with a grade of C or higher
CRT 100	Principles of Information Assurance	1	
CRT 126	Advanced Operating Systems & PC Hardware	5	

‡ Additional Technical Elective options are available; see an advisor.