

Applied Technologies Academic Degree Map

Associate of Applied Science

NOTE



This degree map serves as an example. The degree is flexible and is granted upon completing 45 technical program credit hours across two different disciplines and 15 general education credits. For more details, please consult with an academic advisor.

Year 1 – Fall Semester

Course Code	Course Title	Credits	Notes
WLD 1001	Welding Safety	1	
WLD 1010	OSHA 10	1	
WLD 110	Welding Metallurgy	1	Prerequisite(s): WLD 1001 and WLD 1010 or WLD 100
WLD 1153	Blueprint Reading	3	
WLD 118	Discontinuities and Defects	1	
WLD 1303	Cutting Processes	3	
WLD 140	Intro to SMAW	3	Prerequisite(s): WLD 1010 OSHA 10 and WLD 1001 Welding Safety or WLD 100 Welding Safety/OSHA 10
WLD 150	Intro to GMAW	3	Prerequisite(s): WLD 1010 OSHA 10 and WLD 1001 Welding Safety or WLD 100 Welding Safety/OSHA 10
WLD 171	Intro to GTAW	3	Prerequisite(s): WLD 1010 OSHA 10 and WLD 1001 Welding Safety or WLD 100 Welding Safety/OSHA 10
EMP 1901	Global Employment Standards	1	
CREDIT HOURS SUBTOTAL		20	

Year 1 – Spring Semester

Course Code	Course Title	Credits	Notes
ACC 100	Business Accounting	3	
CIS 100	Software Applications	3	Prerequisite(s): Demonstrated ability to keyboard 20wpm.
BUS 126	Introduction to Business	3	
BUS 111	Personal Finance	3	
BUS 185	Business Ethics & Human Relations	3	
BUS 125	Business Communication	3	
CREDIT HOURS SUBTOTAL		18	

Year 2 – Fall Semester

Course Code	Course Title	Credits	Notes
	Math Option ¹	3	Based upon placement testing requirements.
	English Option ²	3	Based upon placement testing requirements.
BUS 130	Records and Information Management	3	Prerequisites: CIS 100
	General Education Elective ³	3	Recommended general education elective.
CREDIT HOURS SUBTOTAL		12	

Year 2 – Spring Semester

Course Code	Course Title	Credits	Notes
BUS 220	Administrative Procedures	3	Prerequisite(s): CIS 100 with a grade of C or higher.
CRT 100	Principles of Information Assurance	1	
	General Education Elective ³	3	Recommended general education elective.

	General Education Elective ³	3	Recommended general education elective.
CREDIT HOURS SUBTOTAL		10	

TOTAL HOURS IN PROGRAM: 60

Math Options¹			
Course Code	Course Title	Credit Hours	Notes
MAT 108	Beginning Algebra	3	
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	Prerequisites: 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 105	English Composition I	3	Prerequisites: COM 105 with a grade of "C" or higher.
COM 106	English Composition II	3	Prerequisites: Meet placement guidelines.

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.