

Automotive Technology Academic Degree Map

Associate of Applied Science



Year 1 – Fall Semester			
Course Code	Course Title	Credits	Notes
AMT 109	Intro to Auto Tech	2	
AMT 111	Electrical 1	3	Prerequisite(s): AMT 109 with a grade of C or higher.
AMT 116	Electrical 2	2	Prerequisite(s): AMT 111 with a grade of C or higher.
AMT 121	Engine Performance 1	3	Prerequisite(s): AMT 116 with a grade of C or higher.
AMT 125	Engine Performance 2	4	Prerequisite(s): AMT 121 with a grade of C or higher, or permission of instructor.
	Math Option ¹	3	Based upon placement testing requirements.
CREDIT HOURS SUBTOTAL		17	
Year 1 – Spring Semester			
Course Code	Course Title	Credits	Notes
AMT 149	Suspension & Steering 1	3	Prerequisite(s): AMT 111 with a grade of C or higher, or permission of instructor.
AMT 152	Suspension & Steering 2	2	Prerequisite(s): AMT 149 with a grade of C or higher, or permission of instructor.
AMT 170	Brakes 1	3	Prerequisite(s): AMT 111 with a grade of C or higher, or permission of instructor.
AMT 171	Brakes 2	2	Prerequisite(s): AMT 170 with a grade of C or higher, or permission of instructor.
AMT 180	Electrical 3	3	Prerequisite(s): AMT 116 with a grade of C or higher, or permission of instructor.
	English Option ²	3	Based upon placement testing requirements.
CREDIT HOURS SUBTOTAL		16	
Year 2 – Fall Semester			
Course Code	Course Title	Credits	Notes
AMT 200	Automatic Transmissions & Transaxles 1	3	Prerequisite(s): AMT 180 with a grade of C or higher, or permission of instructor.
AMT 201	Automatic Transmissions & Transaxles 1	3	Prerequisite(s): AMT 200 with a grade of C or higher, or permission of instructor.
AMT 205	Manual Transmissions & Transaxles 1	4	Prerequisite(s): AMT 180 with a grade of C or higher, or permission of instructor.
AMT 221	Engine Repair 1	2	Prerequisite(s): AMT 125 & AMT 180 with a grade of C or higher, or permission of instructor.
	General Education Elective ³	3	Recommended general education elective.
	General Education Elective ³	3	Recommended general education elective.
CREDIT HOURS SUBTOTAL		18	
Year 2 – Spring Semester			
Course Code	Course Title	Credits	Notes
AMT 250	Engine Repair 2	3	Prerequisite(s): AMT 221 with a grade of C or higher, or permission of instructor.
AMT 265	Engine Performance 3	3	Prerequisite(s): AMT 125 with a grade of C or higher, or permission of instructor.
AMT 270	Electrical 4	2	Prerequisite(s): AMT 180 with a grade of C or higher, or permission of instructor.
AMT 275	Heating & Air Conditioning	4	Prerequisite(s): Complete AMT 125 and AMT 180 with a grade of "C" or better.
	General Education Elective ³	3	Recommended general education elective.
CREDIT HOURS SUBTOTAL		15	
TOTAL HOURS IN PROGRAM: 66			

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 OR 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	