



Automotive Technology

Student Learning Outcomes

- 1 Communication- The student will demonstrate the ability to communicate effectively using written and/or oral communication.
- 2 Information Literacy- The student will recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information.
- 3 Problem Solving- The student will demonstrate the ability to analyze information and solve problems.
- 4 Workplace Skills - Demonstrates a mastery of workplace skills/soft skills, exhibits initiative, adapts to varied situations

Program Outcomes

- 1 Demonstrate effective reading, writing, speaking and listening skills
- 2 Demonstrate mathematical skills
- 3 Apply scientific concepts
- 4 Identify and solve problems, applying knowledge in a critical, creative and ethical manner
- 5 Recognize the value of self and others to be a productive member of a diverse global society
- 6 Evaluate and use information technology effectively
- 7 Demonstrate the ability to service and repair integrated electronic systems and components
- 8 Perform diagnosis and repair on brake system components
- 9 Diagnose and repair suspension and steering systems
- 10 Diagnose and repair general drive train concerns
- 11 Perform general transmission and transaxle diagnosis
- 12 Service and repair heating and air conditioning systems according to state, local and federal guidelines
- 13 Interpret and diagnose engine concerns
- 14 Verify and repair engine concerns

Associate of Applied Sciences, Automotive Technology

Total Credits 61

Fall

Course #	Course Title	Credits	Function
TAS 105	Orientation to the Transportation Industry	1	Technical Studies
TAS 121	Engine Repair	4	Technical Studies
TAS 127	Automatic Transmission Repair	4	Technical Studies
TAS 128	Heating & Air Conditioning	4	Technical Studies
TAS 133	Brakes I	3	Technical Studies
TAS 136	Suspension and Steering I	3	Technical Studies
TAS 160	Transportation Industry Safety	1	Technical Studies
TAS 206	PowerTrain Systems	4	Technical Studies

Spring

Course #	Course Title	Credits	Function
TAS 124	Electrical I	3	Technical Studies
TAS 125	Electrical II	3	Technical Studies
TAS 131	Engine Performance I	3	Technical Studies
TAS 132	Engine Performance II	3	Technical Studies
TAS 135	Computer Systems for Automotive	3	Technical Studies
TAS 137	Suspension and Steering II	2	Technical Studies
ENG 101	Composition I*	3	General Studies
MTH	Math Elective*	3	General Studies

Summer

Course #	Course Title	Credits	Function
TAS 134	Brakes II for Automotive	1	Technical Studies
TAS 225	Electrical III	2	Technical Studies
TAS 150	Specialized Training	2	Technical Studies
	Communication Elective*	3	General Studies
	Humanities Elective*	3	General Studies
	Social Science Elective*	3	General Studies

* Kansas Systemwide General Education

Fall

Course #	Course Title	Credits	Function
TAS 105	Orientation to the Transportation Industry	1	Technical Studies
TAS 121	Engine Repair	4	Technical Studies
TAS 127	Automatic Transmission Repair	4	Technical Studies
TAS 128	Heating & Air Conditioning	4	Technical Studies
TAS 133	Brakes I	3	Technical Studies
TAS 136	Suspension and Steering I	3	Technical Studies
TAS 160	Transportation Industry Safety	1	Technical Studies
TAS 206	PowerTrain Systems	4	Technical Studies

Spring

Course #	Course Title	Credits	Function
TAS 124	Electrical I	3	Technical Studies
TAS 125	Electrical II	3	Technical Studies
TAS 131	Engine Performance I	3	Technical Studies
TAS 132	Engine Performance II	3	Technical Studies
TAS 135	Computer Systems for Automotive	3	Technical Studies
TAS 137	Suspension and Steering II	2	Technical Studies
MTH 108	Contemporary Math*	3	General Studies

Summer

Course #	Course Title	Credits	Function
TAS 134	Brakes II for Automotive	1	Technical Studies
TAS 150	Specialized Training	2	Technical Studies
TAS 225	Electrical III	2	Technical Studies

* [Kansas Systemwide General Education](#)