



# Program: Automotive Service Technology Certificate

Campus: Trinidad Main Campus (TMC), Trinidad Alamosa Campus (TAC)  
Program Code: CER\_ATC  
CIP Code: 47.0604



## SMART PATH

### First Semester

Course Code	Course Name	Credit Hours
ASE 102	Introduction to the Automotive Shop	2
ASE 110	Brakes I	2
ASE 111	Automotive Brake Service II	2
ASE 120	Basic Automotive Electricity	2
ASE 122	Automotive Elective Safety Systems	1
ASE 123	Starting and Charging System	2
ASE 210	Automotive Power and ABS Brake Systems	2
ASE 221	Automotive and Diesel Body Electrical	4
	<b>Total</b>	<b>17</b>

### Second Semester

Course Code	Course Name	Credit Hours
ASE 130	General Engine Diagnosis	2
ASE 132	Ignition Systems Diagnosis & Repair	2
ASE 140	Suspension and Steering I	2
ASE 141	Suspension and Steering II	2
ASE 160	Automotive Engine Repair	2
ASE 162	Automotive Engine Service	2
ASE 240	Suspension and Steering III	2
	<b>Total</b>	<b>14</b>

### Third Semester

Course Code	Course Name	Credit Hours
ASE 150	Manual Drive Train and Axle Maintenance	2
ASE 151	Automotive Manual Transmission/Transaxles & Clutches	2
ASE 152	Automotive Manual Transmission/Transaxles & Clutches II	2
ASE 250	Automatic Transmission/Transaxle Service I	1
ASE 251	Automotive Transmission and Transaxle Repair	3
	<b>Total</b>	<b>10</b>

## Automotive Service Technology Certificate (continued)

### Fourth Semester

Course Code	Course Name	Credit Hours
ASE 134	Automotive Fuel and Emission Systems I	2
ASE 231	Automotive Computers and Ignition Systems	2
ASE 233	Automotive Fuel and Emission Systems II	4
ASE 264	Introduction to Automotive Heating and Air Conditioning	1
ASE 265	Heating and Air Conditioning Systems	4
	<b>Total</b>	<b>13</b>

**TOTAL: 54 credits**