

Northwest Louisiana Technical College

Automotive Technology

Program Description & Curriculum

The purpose of this program is to provide specialized classroom instruction and practical shop experience to prepare individuals to engage in the servicing and maintenance of all types of automobiles at the entry level. The competencies in the automotive technology program directly correlate with the knowledge required to prepare an individual for the certification test given by the National Institute for Automotive Service Excellence (ASE).

Degrees/Certificates

Associate of Applied Science (AAS), Technical Diploma (TD)

Certificate of Technical Studies (CTS)

Technical Competency Area (TCA)

Available degrees and certificates may vary at each campus. Check with your local campus for more information.

CIP 470604

Automotive Technology CURRICULUM				
Course #	Course Title	Lecture/ Lab Hours	Credit Hours	Clock Hours
AUTO 1002	Introduction to Automotive Technology	2/0	2	30
AUTO 1542	Brakes	1/3	4	120
TCA – Brake Technician			6	150
<i>AUTO 1002 plus</i>				
AUTO 1671	Electronics I	1/4	5	150
AUTO 1680	Electronics II	0/5	5	150
TCA – Electrical Technician			12	330
<i>AUTO 1002 plus</i>				
AUTO 1342	Transmission, Transaxle, & Manual Drives	1/5	6	165
TCA – Automatic Transmission & Transaxle Technician			8	195
<i>AUTO 1002 plus</i>				
AUTO 1860	Engine Performance I	1/4	5	135
AUTO 1870	Engine Performance II	0/4	4	150
TCA – Engine Performance Technician			11	315
<i>AUTO 1002 plus</i>				
AUTO 1451	Steering and Suspension	1/5	6	165
TCA – Steering and Suspension Technician			8	195
<i>AUTO 1002 plus</i>				
AUTO 1140	Engine Repair	1/3	4	135
TCA – Engine Repair Technician			6	165
<i>AUTO 1002 plus</i>				
AUTO 1750	Heating and AC	1/3	4	150
TCA – Heating and Air Conditioning Technician			6	180
TD – Automotive Technician			45	1350

<i>Following are additional CTS exit points: Students must have completed AUTO 1002</i>				
CTS – Engine Performance Technician			21	645
Complete the following TCAs: All TCAs include Auto 1002				
TCA – Electrical Technician			12	330
TCA – Engine Performance Technician			11	315
CTS – Electrical Technician			21	690
Complete the following TCAs: All TCAs include Auto 1002				
TCA – Engine Repair Technician			6	165
TCA – Automatic Transmission & Transaxle Technician			8	195
TCA – Brake Technician			6	150
TCA – Heating and Air Conditioning Technician			6	180
CTS – Power Train Technician			20	675
Complete the following TCAs: All TCAs include Auto 1002				
TCA – Engine Repair Technician			6	165
TCA – Automatic Transmission & Transaxle Technician			8	195
TCA – Steering and Suspension Technician			6	165
TCA – Brake Technician			6	150
General Electives				
AUTO 1150	Automotive Internship I	0/4	4	180
AUTO 1250	Automotive Internship II	0/4	4	180
AUTO 1350	Automotive Internship III	0/2	2	90
AUTO 1450	Automotive Internship IV	0/5	5	240
AUTO 1550	Automotive Internship V	0/5	5	240
AUTO 1670	Automotive Internship VI	0/4	4	180
<i>With approval from the Chief Academic Officer/designee, the following courses may be substituted for any of the above course requirements.</i>				
AUTO 2991	Special Projects I	0/1	1	30
AUTO 2993	Special Projects II	0/2	2	60
AUTO 2995	Special Projects III	0/3	3	90
AUTO 2996	Special Projects IV	3/0	3	45
AUTO 2998	Special Projects V	1/0	1	15
AUTO 2997	Practicum	0/3	3	135
AUTO 2999	Cooperative Education	0/3	3	135