

Automotive Technology: Automotive Chassis

Award Type: Associate in Science

Designed to prepare the student to enter the automotive service profession as a specialist in brake and front end work.

The graduate of the Associate in Science in Automotive Technology: Automotive Chassis will:

- Demonstrate an understanding of the science of the automotive drive train systems.
- Demonstrate the ability to use the latest techniques and tools used in servicing the automotive drive train.
- Demonstrate the ability to effectively communicate verbally and in writing with customers, co-workers and the employer.
- Demonstrate the ability to diagnose problems with the various systems of the automobile using systematic procedures and logical methods.
- Demonstrate the ability to identify what technical specifications are needed, where to find them and how to use them in the course of performing their duties.
- Demonstrate an understanding of the legal and ethical issues encountered in the automotive repair workplace and make responsible decisions.
- Demonstrate the required mechanical skills and the ability to use the trade tools at a level of proficiency that is expected in the profession.
- Demonstrate the use of the proper procedure for dealing with hazards encountered in the automotive repair work place.
- Demonstrate the ability to perform the all of the NATEF tasks in each of the core courses in the option or certificate.

Program Requirements

A major of 30 units is required for the degree. Required core courses (22 units)

Course Number	Course Title	Units
AT 100	Automotive Fundamentals	4.0
AT 303	Automotive Electricity	5.0
AT 313	Automotive Brakes	4.0
AT 314	Suspension and Alignment	4.0
AT 323	Power Trains	5.0

Plus a minimum of 8 units selected from the following:

Course Number	Course Title	Units
AT 117	Print Reading and Interpretation	3.0
AT 133	Automotive Engine Rebuilding	5.0
AT 300	Shop Math and Measurement	3.0
AT 306	Auto Air Conditioning Systems	4.0
AT 324	Automatic Transmissions	5.0
AT 334	Automotive Machining 1	4.0
AT 341	Fuel Injection/Turbocharging	5.0
AT 370	SkillsUSA	3.0
AT 389	Independent Projects in Automotive Technology	1.0 - 3.0 units
AT 399A	Special Topics in Automotive Technology	2.0