

TRANSPORTATION TECHNOLOGIES, SKILLS CERTIFICATE

Automotive Service Excellence (ASE) Basic

The ASE Basic Skills Certificate will introduce students to the theory and fundamental principles of automotive and light truck maintenance and repair procedures. Students will learn fundamental principles of automotive and light truck automatic transmissions and transaxles, with emphasis on the mechanical, hydraulic, and electrical components of the transmission. The skills certificate will help prepare students to take the Automotive Service Excellence (ASE) Automatic Transmissions (A2), Manual Drive Trains and Axles (A3), and Automotive Electrical (A6) exams. Students must pass all coursework with a score of 70% or higher.

These courses may not transfer to a baccalaureate degree of art or science within the universities in the Nevada System of Higher Education (NSHE).

Outcomes

Students completing the certificate will:

- Identify, test, and interpret failed electrical systems and components, and formulate appropriate repair strategies.
- Identify, test, and interpret failed systems for automatic transmissions, manual drive trains and axles, and apply appropriate repair strategies.
- Demonstrate knowledge of the appropriate workplace skills and tools, including the application of personal and mechanical safety measures used in automotive systems diagnoses and repair.

Skills Certificates provide training for entry level positions or career advancement and are designed to prepare students to take state, national and/or industry-recognized certifications or licensing exams. Skills certificates are awarded upon completion of coursework and marked on a student's transcripts at the end of the semester (Student are unable to declare intent to complete a skills certificate.) Skills Certificates are not eligible for Financial Aid.

To earn a skills certificate, students must:

1. Maintain a minimum cumulative GPA of 2.0
2. Have no financial or library obligation to the college

Code	Title	Units
Certificate Requirement		
AUTO 111	Automotive Electricity	4
AUTO 112	Automotive Electricity II	4
AUTO 205	Manual Drive Trains and Axles	4
AUTO 216	Automatic Transmissions	5
Total Units		17
1st semester		Units
AUTO 111	Automotive Electricity	4

AUTO 112	Automotive Electricity II	4
Semester Total		8
2nd semester		
AUTO 205	Manual Drive Trains and Axles	4
AUTO 216	Automatic Transmissions	5
Semester Total		9
Total Units		17