

## A National Standard...



The National Institute for Automotive Service Excellence (ASE) was established in 1972 as a non-profit organization to help improve the quality of automotive service and repair through the voluntary testing and certification of automotive technicians and parts specialists. Today, there are approximately 385,000 ASE-certified professionals at work in dealerships, independent shops, service stations, collision repair shops, auto parts stores, fleets, machine shops, schools and colleges throughout the country. For more information about ASE, visit [www.ase.com](http://www.ase.com).



The Automotive Youth Educational Systems (AYES) is a partnership among participating automotive manufacturers, the National Automobile Dealers Association, Automotive Trade Association Executives, State Departments of Education and Labor, local dealerships and select high schools across the country. AYES's goal is to encourage quality students with a good mechanical aptitude to pursue careers in the fields of automotive technology and prepare them for entry-level positions in dealerships. For more information, visit [www.ayes.org](http://www.ayes.org).



The National Automotive Technicians Education Foundation (NATEF) was founded as an independent, non-profit organization with a single mission: To evaluate technician training programs against standards developed by the automotive industry and recommend qualifying programs for certification (accreditation) by ASE, the National Institute for Automotive Service Excellence. Since 1983, the NATEF process has resulted in certified automotive training programs in all fifty states at the secondary and post-secondary levels. For more information, visit [www.natef.org](http://www.natef.org).



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled work force. The organization serves more than 300,000 students and instructors annually, with 16,000 school chapters in 54 state and territorial associations. More than 15,600 instructors and administrators are professional members of SkillsUSA. For more information, visit [www.skillsusa.org](http://www.skillsusa.org).

For additional questions, you may contact any of the NA3SA partner organizations:

NA3SA Toll Free Line	800-362-0544
NATEF	703-669-6650
SkillsUSA	703-737-0638
AYES	888-339-2937

For all technical assistance on CBT, contact:

**NA3SA Test Administration Help Line:**  
800-362-0544 (9 a.m.–5 p.m. ET, M–F)

At last, a single, national industry-developed standard in End-of-Program (EOP) Testing

[www.NA3SA.com](http://www.NA3SA.com)

Introducing...



**National Automotive Student Skills Standards Assessment**

*A Cooperative EOP Testing Program for Secondary and Post-Secondary Students*



**National Automotive Student Skills Standards Assessment**

Developed by ASE in partnership with



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## Strength through cooperation...

The National Automotive Student Skills Standards Assessment (NA3SA) is available to all secondary and post-secondary vocational/technical schools throughout the United States.

Offering tests for students of Automobile, Collision Repair & Refinishing, and Medium/Heavy Vehicle programs, the NA3SA end-of-program assessment presents schools and instructors with a single EOP standard to end confusion while meeting today's tough accountability requirements, including those of the Perkins Act.

NA3SA tests are appropriate for students who have nearly completed an individual automotive training course or who are preparing to graduate from a technician-training program. Schools choose which tests in the series to administer to each student.

## Nuts and Bolts

The NA3SA program consists of a series of 40-question exams that parallel the National Automotive Technicians Education Foundation (NATEF) Task Lists—the standard for program certification. The test questions are drawn from combined NATEF and Automotive Youth Education Systems (AYES) item pools, while actual test development is handled by ASE. SkillsUSA brings its years of vocational experience, program design expertise, and commitment to exam development. It is this combined expertise that makes the NA3SA Program the go-to choice for instructors and schools.

All tests are administered at the school through a secure computer-based testing (CBT) platform delivered via the Internet. (Refer to the accompanying Order Form or the NA3SA website for system requirements.)

An instructor may schedule one or more tests anytime during the testing window. A proctor, who is a staff person other than

*"The three-most respected industry organizations—AYES, NATEF, and SkillsUSA—have come together with ASE to produce a single end-of-program testing platform to serve the needs of the entire automotive industry."*

—Tim Lawrence, SkillsUSA

an automotive instructor, enables the test for the student and monitors the test session.

## A Win-Win for Students and Instructors...

Students taking the tests receive a detailed score report with pass/fail information as well as an attractive Student Achievement Certificate for each test passed. Instructors and administrators will benefit from NA3SA's three-tiered reporting, which includes individual student score reports, instructor reports, and state-level reports. Additionally, national norms are available for school and state department of education officials. Visit [www.NA3SA.com](http://www.NA3SA.com) for full details.

## Proven ASE-Style Questions...

The ASE-style of test questions provides a natural step between program training and ASE professional certification and avoids the inherent expense, subjectivity, and limited scope of most hands-on testing. Objective, written tests provide the most efficient and thorough national assessment batteries, ASE believes.

### AUTOMOBILE

- Suspension and Steering
- Brakes
- Electrical/Electronic Systems
- Engine Performance
- Engine Repair
- Automatic Transmission/Transaxle
- Manual Drive Train and Axles
- Heating and Air Conditioning

### COLLISION REPAIR AND REFINISH

- Painting and Refinishing
- Structural Analysis and Damage Repair
- Non-structural Analysis and Damage Repair
- Mechanical and Electrical

### MEDIUM/HEAVY VEHICLE TESTS

- Diesel Engines
- Electrical/Electronic Systems
- Additional tests are under development; visit [www.NA3SA.com](http://www.NA3SA.com) for details.

*"ASE's proven written-testing method results in a more reliable, higher-value product than subjective hands-on testing and is more cost-effective to boot."*

—Chuck Roberts, AYES



## Sample Test Questions

The following are examples of the types of questions found on the National Automotive Student Skills Standards Assessment. Each computer-based test will consist of a mixture of theory and applied diagnostic style questions. For more sample questions and complete task lists and additional information, please visit the NA3SA website.

1. The ride (curb) height on the rear of a vehicle is found to be too low. The best corrective action would be to:
  - A. replace the rear shocks.
  - B. install larger diameter rear tires.
  - C. replace the rear springs.
  - D. add helper springs.
2. The role of a stabilizer (sway) bar is to:
  - A. prevent vibration.
  - B. control body roll.
  - C. prevent tire wear.
  - D. absorb noise.
3. A vehicle with front disc brakes shudders when the brakes are applied. Which of these is the most likely cause?
  - A. Worn disc pads
  - B. A leaking grease seal
  - C. Warped brake rotors
  - D. A tight wheel bearing
4. How many amps will flow through a circuit with 3.3 ohms of resistance if 14.0 volts are applied?
  - A. 0.23 amps
  - B. 4.24 amps
  - C. 14.0 amps
  - D. 46.2 amps
5. The digital multimeter (DMM) shown in Diagram A is measuring:
  - A. volts.
  - B. amps.
  - C. ohms.
  - D. watts.

