



Automotive Service Excellence (ASE) Maintenance & Light Repair (MLR) Student Certification Guidelines

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**What is the ASE
Maintenance & Light Repair
Student Certification?**

ASE Maintenance & Light Repair Certification

- The ASE Student Certification in Maintenance & Light Repair can be thought of as a first step in building a collection of credentials as a service professional in the automotive industry.
- With an ASE Student Certification, students will have demonstrated the knowledge and skills needed for an entry-level automotive service technician position.

ASE Maintenance & Light Repair (MLR) Certification

- The MLR certification is industry recognized and valued and helps students secure an entry-level position as an automotive service technician or tire repairer.
- The certification sets students up to be successful on professional ASE certification exams required by automotive repair centers.



ASE Maintenance & Light Repair Certification

- There are no work experience requirements for student certification; the student simply needs to pass one or more of the student certification exams.
- Upon successful completion of an exam, the school prints the certificate, has it signed by the school principal or proctor for validation, and then awards it to the student.
- Student certification is valid for two years from the date the exam is taken.



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**Alignment to
Occupations**

Job Alignment

- MLR certification aligns directly to different job titles including, but not limited to, the following:
 - Automotive service technician
 - Automotive tire maintenance technician
 - Tire repairer or changer



Job Duties

- The ASE certification aligns to different occupations requiring a variety of skills; more specifically, it aligns to the **automotive service technician** occupation.
- **Automotive service technicians** are able to do the following:
 - Perform routine automotive maintenance tasks, including oil changes, tire rotations, transmission flushes, air conditioner re-charges, front-end alignments, battery installations, and headlight/taillight installations
 - Maintain a working knowledge of current industry best practices in automotive repair
 - Conduct extensive diagnostic procedures to determine the sources of customers' problems and provide accurate repair recommendations

Employment Outlook

Figure 1. Automotive Maintenance and Light Repair Related Occupations with the Most Annual Average Openings in Tennessee (2014-2022)

- The TN Department of Labor and Workforce Development projects 420 average annual openings for automotive service technicians and mechanics due to growth and replacement from 2014 to 2022.
- Median annual salaries in 2014 for automotive service technicians and mechanics in TN was \$35,020.
- Tennessee Department of Labor and Workforce Development. (2016). Employment Security Division, R & S. Retrieved from <https://www.jobs4tn.gov>.
- Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook, 2016-17 Edition*, Automotive Service Technicians and Mechanics, Retrieved from <http://www.bls.gov/ooh/installation-maintenance-and-repair/automotive-service-technicians-and-mechanics.htm>.

Occupation	Total Percent Change	Annual Avg. Openings
Automotive Service Technicians and Mechanics	3.0%	420
First-Line Supervisors of Mechanics, Installers, and Repairers	6.3%	335
Bus and Truck Mechanics and Diesel Engine Specialists	5.4%	170
Mechanical Engineers	5.3%	170
Tire Repairers and Changers	10.5%	125
Mobile Heavy Equipment Mechanics, Except Engines	7.6%	100
Electrical Engineers	7.5%	80
Automotive Body and Related Repairers	3.8%	75
Electrical and Electronic Engineering Technicians	0.1%	55
Electronics Engineers, Except Computer	17.3%	50

Employment Outlook

The table below shows the estimated Employment Wage Statistics for individuals in Tennessee employed as Automotive Service Technicians and Mechanics in 2015.

Rate Type/Statistical Type	Entry Level	Median	Experienced
Annual Wage or Salary	\$23,303	\$37,127	\$47,567
Hourly Wage	\$11.20	\$17.85	\$22.85

Source: TN Dept. of Labor & Workforce Dev, Div Emp Sec, LMI

The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Entry level and Experienced wage rates represent the means of the lower 1/3 and upper 2/3 of the wage distribution, respectively. Data is from an annual survey.

Sample of Current Job Opportunities in Tennessee for Automotive Service Technicians

- **Bridgestone Americas, Inc.** – Antioch, TN
General Service Technician
- **Bridgestone Americas, Inc.** – Nashville, TN
Automotive Tier Maintenance Technician
- **Sears, Roebuck and Co.** – Chattanooga, TN
Service Technician
- **Gosset Kia** – Memphis, TN
Automotive Service Technician

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**Appropriate Pathways
for Maintenance and
Light Repair**

Progress through a Program of Study

Program of Study	Level 1	Level 2	Level 3	Level 4
Automotive Maintenance and Light Repair	Maintenance and Light Repair I (5879)	Maintenance and Light Repair II (5880)	Maintenance and Light Repair III (5881)	Maintenance and Light Repair IV (5882)
Automotive Collision Repair	Introduction to Collision Repair (6172)	Collision Repair: Non-Structural (6062) -or- Collision Repair: Painting & Refinishing (6063)	Collision Repair: Non-Structural (6062) -or- Collision Repair: Painting & Refinishing (6063)	Collision Repair: Non-Structural (6062) -or- Collision Repair: Damage Analysis, Estimating, & Customer Service (6149)

- Industry certifications must be tied to a student's program of study and may serve as either a complement or a capstone to a student's learning experience.
- It is recommended that a student complete the fourth level of the program of study before taking the certification exam in order to be well prepared for the exam.

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**Earning a
Maintenance & Light
Repair Certification**

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Recommendations

Bonus Points

- Strongly aligned to courses in the program of study.
- Pre-test option is included in the exam fee.
- ASE provides schools with instructor reports and composite instructor reports.
- ASE will also provide a detailed state-level report to the state Department of Education upon request. See more info on page 5 of this document:
<http://www.asestudentcertification.com/pdfs/FAQs-2015-2016.pdf>.

Recommendation

Summary

Criteria	Evaluation	
1. Industry Recognition		Recognized and valued
2. Alignment to Course and/or POS		Capstone for POS
3. Transference to Postsecondary		TCAT- 216 Hours
4. Transference to High Quality Employment		Automotive service technician (entry level) Tire repairers and changers (entry level)
Promote?		Yes

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Assessment and Registration Details

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Automotive Service Excellence (ASE) Maintenance & Light Repair Certification

- The exam content covers topics from all four levels of courses in the program of study providing a summative assessment for the program of study.

Content Area	Number of Questions In Test
A. Engine Repair (ER)	6
B. Automatic Transmission And Transaxle (AT)	3
C. Manual Drive Train And Axles (MD)	3
D. Suspension and Steering (SS)	10
E. Brakes (BR)	11
F. Electrical/Electronic Systems (EE)	11
G. Heating and Air Conditioning (AC)	3
H. Engine Performance (EP)	6
I. Supplemental Tasks (GT)	7
Required To Pass: 31	TOTAL 60

Assessment Details

ASE Student Certification: Maintenance & Light Repair

Exam Code	MR
Website	http://www.asestudentcertification.com/
Exam Description	The exam content aligns to the 2012 NATEF Automobile standards for Maintenance and Light Repair. This includes the tasks involved in the process of diagnosing and repairing problems in various vehicle systems. Topics covered include engine repair, automatic transmission and transaxle, manual drive train and axles, suspension and steering, brakes, electrical/ electronic systems, heating and air conditioning, and engine performance.
Number of Questions	60 questions
Type of Questions	Multiple choice
Length of Test	The exam should be scheduled for 90 minutes. For those students requiring additional time, the system clock will automatically allow twice the recommended time (180 minutes).
Passing Score	31 questions correct
Price	A single \$30 fee per student, per academic year, allows the student to take any or all tests in a test series twice each year – once in the fall and once in the spring. Fall tests can be designated as a pretest for pre- and post-test score reporting.

Assessment Details

Test Owner and Registration

Regulatory Entity

National Institute for Automotive Service Excellence

Phone: (800) 362-0544

<http://www.asestudentcertification.com/>

Registration Procedures

Schools may register by submitting an order form to ASE. The order form can be downloaded at

<http://www.asestudentcertification.com/>. A guide to getting started is available at this link:

<http://www.asestudentcertification.com/pdfs/GettingStartedOverview-2015.pdf>.

Fee

A single \$30 fee per student, per academic year, allows the student to take any or all tests in a test series twice each year – once in the fall and once in the spring. Fall tests can be designated as a pretest for pre- and post-test score reporting.

Testing Centers

Tests are taken online at the school during designated test windows. A site administrator and proctor must be selected. The proctor may be a school administrative staff member of current or retired faculty member, but may not be a faculty member currently teaching motor vehicle technology.

- Fall Test Window Open: August 15 - January 31
- Spring Test Window Open: March 15 - June 15

Results

Most tests are scored instantly and results can be viewed and printed by the student and their instructor. Certificates can be viewed and printed by the instructor only.

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Quick Reference

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For further information

- Automotive Service Excellence (ASE) Student Certification: Maintenance and Light Repair - See more at: <https://www.tn.gov/education/article/cte-cluster-transportation-distribution-logistics#sthash.upcEoGr8.dpuf>
- Automotive Service Excellence (ASE) Student Certification: Nonstructural Analysis and Repair - See more at: <https://www.tn.gov/education/article/cte-cluster-transportation-distribution-logistics#sthash.upcEoGr8.dpuf>
- Automotive Service Excellence (ASE) Student Certification: Painting and Refinishing - See more at: <https://www.tn.gov/education/article/cte-cluster-transportation-distribution-logistics#sthash.upcEoGr8.dpuf>
- I-CAR Nonstructural Technician Pro-Level 1
https://www.tn.gov/assets/entities/education/attachments/cte_sic_trans_icar_nt.pdf



Districts and schools in Tennessee will exemplify excellence and equity such that all students are equipped with the knowledge and skills to successfully embark on their chosen path in life.

Excellence | Optimism | Judgment | Courage | Teamwork