

Texas Association for School Bus Technicians Certification Program

Section A: Classifications

Technician/Inspector Professional Levels of Certification

<u>Classification Level</u>	<u>Requirement: successful completion of:</u>
1. Safety Inspector	TASBT Safety Inspector course Recertify every five (5) years
2. Specialist	TAPT Introduction to Transportation and two (2) TASBT Certification courses
3. Technician	TAPT Introduction to Transportation and four (4) TASBT Certification courses
4. Master Technician	TAPT Introduction to Transportation, Purchasing and all current TASBT Certification courses

ASE Certification will be accepted as classroom and written test requirements but hands-on test must be completed (where applicable) before a TASBT certification will be issued

<u>Courses</u>	<u>Course Length</u>	<u>Equivalent</u>
TAPT - #01 Introduction to Transportation	6 hours	
TAPT - #03 Purchasing	6 hours	
TASBT - #SBT01 Tire Maintenance	4 hours	
TASBT - #SBT02 Safety Inspector	8 hours class, 4 hours hands on	
TASBT - #SBT02A Safety Inspector for Administrators		
TASBT - #SBT02R Safety Inspector Recertification		
TASBT - #SBT03 Brakes	8 hours	ASE S4 T4
TASBT - #SBT04 Body Electrical	8 hours	ASE S6 T6
TASBT - #SBT05 Air Conditioning & Controls	8 hours	ASE S7 T7
TASBT - #SBT06 Basic Electronics	4 hours	
TASBT - #SBT06A Advanced Electronics & Diagnostics	8 hours	ASE L2

Additional Certifications: (Recommended to perform service on electronic engine controls)

<u>Courses</u>	<u>Course Length</u>	
Automobile Advanced Engine Performance	6 Hours	Equivalent ASE's L1
Electronic Diesel Engine Diagnosis	6 Hours	Equivalent ASE's L2

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Section B – Training

The TASBT Certification Program is designed to provide Technicians with the latest industry standards of repair and technical knowledge. Each certification course, whether taught by TAPT/TASBT members, or by outside training companies, must be pre-approved by the TASBT Executive Board and the Continuing Education Chairman, for content and completeness. Upon successful completion of a TAPT or TASBT course, the

Technician will be awarded CEU's (Continuing Education Units) and a certificate of achievement of the course attended. When a Technician has met the requirement for a particular level of certification, they will be awarded the title and any and all privileges.

Outside Training Requirements: Each course taught by outside vendors must meet the following criteria in order for it to be approved by TASBT:

1. The course must be related to the school bus certification areas described in Section A.
2. The course must contain information that is up-to-date as supported by industry.
3. The course must contain information that will support technician evaluations.
4. The presenter must submit a syllabus.
5. The presenter must administer a pretest and posttest.
6. The presenter must hold a current ASE or TASBT certification in the area being taught.
7. The post test must parallel industry standards and course information.

CEU's will be awarded in the following manner:

- (3) CEU's will be awarded for each (8) hour block of classroom training.
- (2) CEU's will be awarded for each (6) hour block of classroom training.
- (1) CEU will be awarded for each (4) hour block of classroom training.
- (6) CEU's will be awarded for each (8) hour block of hands-on training.
- (2) CEU's will be awarded for each (4) hour block of hands-on training.

Note: No class will be less in length than 4 hours to receive CEU credit. If classroom and hands-on training are combined, the total of time spent in each area will be awarded.

Example of approved outside training: Title: *Electrical & Electronic Systems*
Syllabus.

Pretest – 30 multiple choice questions.

Covered areas:

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|---------------------------|------------------------|---------------------|
| A. Basic Ohms Law | F. Types of Circuits | K. Lighting Systems |
| B. Theory of Current Flow | G. Parasitic Load | L. Starting System |
| C. Voltage | H. Semiconductors | M. Charging Systems |
| D. Current | I. Circuit Application | N. Diagnosis |
| E. Resistance | J. Meter Theory | O. Safety Practices |

Post-test or exit examination: 30 multiple choice questions

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Section C – Purpose

Mission Statement - - The Texas Association of School Bus Technicians (TASBT) is an organization committed to quality service and repair of Texas School District and Contractor transportation vehicles. To provide this service, the Technician must be knowledgeable in all operating systems, sub systems and components of the vehicle and possess skills that will certify that they are capable and competent to provide this service.

Technician's Goal - - The goal of the Technician is to provide professional service to the school district transportation department so as to ensure safe and reliable transportation of Texas students to and from the education facility and other transportation needs. Technicians must strive to obtain information on repair procedures of current and new products, equipment, and departmental operations that are proven to be correct and effective.

Training - - Continued education should be provided on a continuing basis by the district in which the technician is employed. Technicians are also encouraged to seek training on a personal basis, such that it provides them with enhanced technical knowledge to become proficient to perform services and repair tasks which will ensure the

goal of safe and reliable transportation. This training should be obtained through manufacturers, product representatives, or training companies knowledgeable in their respective fields.

Technician Certification - - Currently, certification tests are administered by ASE in an attempt to test for competent technicians. Tests are available in the following school bus areas: Body Systems and Special Equipment, Diesel Engines, Drivetrain, Brakes, Suspension and Steering, Electrical and Electronic Systems, and Air Conditioning System Controls. It is recommended that all technicians working on school buses or other district vehicles pass one or more of these tests. In addition, TASBT will provide recommendations for state and/or local certifications. This recommendation will contain guidelines for levels of certification competency. TASBT provides a certification program in Texas for school district technicians as well as transportation contractors.

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Section D – TASBT Curriculum

- #1 – Tire Repair: 4 hour class - - Instruction followed by examination.
- #2 – School Bus Safety Inspection: 12 hour class - - Day 1: 8 hours of instruction. Day 2: 4 hours of review and examination.
- #3 – Brake Certification (Exam only): 4 hour class - - No instruction, only examination. Must show proof of five years experience in school bus brakes.
- #4 – School Bus Body Electrical: 12 hour class - - Day 1: 8 hours of instruction. Day 2: 4 hours of review and examination.