



*Winter & Summer 2010*  
**ASE Certification**  
**Test Registration Booklet**

**Computer-Based Tests (CBT)**

Automobile	Tests A1 – A8
Collision Repair & Refinish	Tests B2 – B6
Service Consultant	Test C1
Advanced Engine Performance	Test L1
Auto Parts	Test P2
Medium/Heavy Truck	Tests T1 – T8

*Regular & Recertification Tests*

<b>Winter</b>	Registration	Jan. 12 - Feb. 16
	Testing	Jan. 19 - Feb. 23
<b>Summer</b>	Registration	July 9 - Aug. 16
	Testing	July 16 - Aug. 23

Testing at over 200 ACT Centers nationwide  
Call **1-800-525-6929** to register

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# Introduction

## ASE Testing on Computer

During January and February 2010, and again in July and August 2010, ASE is offering computer-based tests (or CBT) in the following specialty areas, including both regular and recertification tests:

Automobile Technician	Tests A1 – A8
Collision Repair Technician	Tests B2 – B6
Automobile Service Consultant	Test C1
Advanced Engine Performance Specialist	Test L1
Automobile Parts Specialist	Test P2
Medium/Heavy Truck Technician	Tests T1 – T8

\* Note that the Electronic Diesel Engine Diagnosis (L2) regular and recertification tests will **not** be offered on computer in Winter 2010 nor in Summer 2010. They will be offered in the Spring 2010 and Fall 2010 written testing.

- **Advantages of CBT:** These tests cover the same content as the traditional written tests given in May and November. However, because they are administered on computer, you have flexibility in scheduling the tests, and you receive your results at the test center, immediately after you finish your testing.
- **Test Centers:** These tests can only be taken at a secure, proctored computer-based testing center. This ensures the security and reliability of the ASE tests. You cannot take these tests over the Internet at home or at work.
- **Time Limits:** Unlike the written (paper/pencil) testing, where you have up to four hours to take a test, each computer-based test is time-limited. See the table on page 2 for specific test times. Before you register for the computer-based tests, you should review the number of questions and amount of time allotted for each test, and decide if you are comfortable with the time limits.
- **Registration:** The **only** way to register for the ASE computer-based tests is by calling **1-800-525-6929**. You cannot register for the CBT testing by mail or on the Internet.

## Certification Requirements

To become ASE-certified, you must pass one or more tests and have two or more years of full-time, hands-on work experience. You may take some of the ASE tests before you have the required experience, but will not receive your credentials until you have satisfied the work experience requirement. See the Work Experience section (page 13) for more details.

## Five-Year Recertification

After you have become certified, ASE requires that you take recertification tests every five years to ensure that your knowledge remains up-to-date. Recertification tests can only be taken after you have passed the corresponding full-length regular test. Both regular and recertification tests are available on computer.

Recertification tests for tests A1 – A8, B2 – B6, C1, P2, and T1 – T8 are about half as long as the regular tests, but cover the same content areas. The recertification test for L1 is the same length and covers the same content as the regular L1 test. **All recertification tests are given 30 minutes of testing time each, except A6R and T6R (45 minutes each) and L1R (2 hours). This should be sufficient time for most recertification test takers, but please consider the time limitation before you register.**

## Privacy Policy

ASE will NOT release test scores over the telephone. We also will not report your individual test scores to anyone else unless we receive a written request from you. **ASE does reserve the right to confirm whether you do or do not hold ASE certification and in which areas.**

# ASE's Computer-Based Tests

## Test Questions and Time Allowed

The table that follows shows the specific time allowed for each test and the number of scored questions on each test. The number of scored questions, the information covered, the test difficulty, and the passing standards of the computer-based tests are identical to the corresponding written tests. While the written tests may include several additional non-scored questions for research purposes, the computer-based tests do not include any extra questions.

## Special Requirements for Some Tests

To register for a recertification test, you must have previously passed the regular version of that test. To register for the L1 or L1R Advanced Level tests, you must be **currently** certified in A8 Engine Performance and have documented at least two years of hands-on experience.

ASE Computer Based Tests - Winter and Summer 2010		Regular Tests		Recertification Tests	
Test	Name	Number of questions	Testing time	Number of questions	Testing time
A1	Engine Repair	50	1 hour	25	30 min.
A2	Automatic Transmission/Transaxle	50	1 hour	25	30 min.
A3	Manual Drive Train and Axles	40	1 hour	20	30 min.
A4	Suspension and Steering	40	1 hour	20	30 min.
A5	Brakes	45	1 hour	23	30 min.
A6	Electrical/Electronic Systems	50	1¼ hours	25	45 min.
A7	Heating and Air Conditioning	50	1 hour	25	30 min.
A8	Engine Performance	50	1 hour	25	30 min.
B2	Painting and Refinishing	55	1¼ hours	28	30 min.
B3	Non-structural Analysis & Damage Repair	55	1¼ hours	28	30 min.
B4	Structural Analysis & Damage Repair	50	1 hour	25	30 min.
B5	Mechanical / Electrical Components	50	1 hour	25	30 min.
B6	Damage Analysis and Estimating	50	1 hour	25	30 min.
C1	Automobile Service Consultant	50	1 hour	25	30 min.
L1	Advanced Engine Performance	50	2 hours	50	2 hours
L2	Electronic Diesel Engine Diagnosis	n/a	n/a	n/a	n/a
*Note that the L2 regular and recertification tests will <b>not</b> be offered on computer in Winter 2010 nor in Summer 2010. They will be offered in the Spring 2010 and Fall 2010 written testing.					
P2	Automobile Parts Specialist	75	1½ hours	38	30 min.
T1	Gasoline Engines	50	1 hour	25	30 min.
T2	Diesel Engines	55	1½ hours	28	30 min.
T3	Drive Train	40	1 hour	20	30 min.
T4	Brakes	50	1 hour	25	30 min.
T5	Suspension and Steering	50	1 hour	25	30 min.
T6	Electrical / Electronic Systems	50	1¼ hours	25	45 min.
T7	Heating, Ventilation, and Air Conditioning	40	1 hour	20	30 min.
T8	Preventive Maintenance Inspection	50	1 hour	25	30 min.

# Computer-Based Test Dates

## Five-Week Testing Period

The ASE computer-based tests are available for a five-week period in January and February 2010, and again in July and August. Telephone registration begins a week before testing, and remains open until the last week of testing.

<b>ASE Winter 2010 Computer-Based Testing</b>	
Registration	January 12 – February 16, 2010
Testing	January 19 – February 23, 2010
<b>ASE Summer 2010 Computer-Based Testing</b>	
Registration	July 9 – August 16, 2010
Testing	July 16 – August 23, 2010
Call <b>1-800-525-6929</b> to register - 8 am to 5 pm (Central Time) M – F, or 8 am to 4 pm on Saturday	

## Test Center Availability

Testing times and dates are subject to the schedule and space available at each test center. **You should call at least two full business days before the date you want to test.** Test centers are open at least three days per week, including weekends. Call early in the registration period to have the best choice of dates, times and locations.

# Computer-Based Test Fees

## Regular Tests

ASE charges a per-person registration fee plus a test fee for each test requested. For computer-based testing, the fees are:

Registration Fee:	\$74 per test administration period (Winter or Summer)
Test Fee (all except L1)	\$38 per test
Advanced Level Test Fee (L1)	\$76 per test

## Recertification Tests

For recertification, the Test Fee is \$38 per test (except L1R, which is \$76) up to a \$98 maximum per test administration, plus the \$74 Registration Fee. So if you take multiple recertification tests in one CBT testing period (Winter or Summer), the most you will pay for those tests is \$172 total (98 + 74). This price cap does not limit the number of recertification tests you may take, only the test fee you will pay for recertification tests.

## Non-Refundable Fees

**Please note that ALL fees for computer-based testing are non-refundable, and no credit is given for missed computer-based tests.**

If you are unable to keep your test appointment and fail to reschedule at least two full business days before your appointment, you will forfeit all fees. All rescheduled tests must be taken during the same computer-based testing window. You cannot reschedule tests for future written or CBT test administrations.

In addition, you must present a current (unexpired) school- or government-issued photo ID at the CBT test center, agree to the confidentiality agreement presented at the beginning of each test, and follow the standard ACT Center testing rules during your tests. Failure to do so will cause your test scores to be cancelled, and you will forfeit all fees.

# Computer-Based Test Centers

## ACT Centers

All ASE computer-based tests are administered at authorized ACT Center testing locations. There are over 200 test centers across the U.S., generally operated through community colleges around major population centers. Your confirmation e-mail / fax will include the exact location of the test center, including the building name, room number, and driving directions.

The following institutions offer ASE computer-based testing as of November 2009. For the most current list of open test centers, visit [www.ase.com/cbt](http://www.ase.com/cbt) and click on "Test Center Locators".

### Alabama

Jefferson State Comm. College	Birmingham
Calhoun Comm. College	Decatur
Millbrook Office Support LLC	Millbrook
Bishop State Comm. College	Mobile

### Alaska

University of Alaska Anchorage	Eagle River
University of Alaska Fairbanks	Fairbanks

### Arizona

B & S Evaluation Services	Phoenix
Phoenix College	Phoenix
University of Arizona	Tucson

### Arkansas

South Arkansas Comm. College	El Dorado
University of Arkansas Ft. Smith	Fort Smith
North Arkansas College	Harrison
University of Arkansas Little Rock	Little Rock

### California

CMC	Concord
CSU Fresno	Fresno
Digital Business Services	Hayward
Long Beach City College	Long Beach
Los Angeles Trade Tech. College	Los Angeles
The English Center	Oakland
College Connections	Sacramento
San Diego State University	San Diego
San Jose City College	San Jose
Rancho Santiago Comm. College	Santa Anna
ATG Consulting Team	Van Nuys
Coastline CC Orange County	Westminster
Allan Hancock College	Santa Maria

### Colorado

Test Pro Center	Centennial
Delta Montrose Area Voc. Tech.	Delta
Comm. College of Denver	Denver
Aims Comm. College	Greeley
Pueblo Comm. College	Pueblo

### Connecticut

Bioinfo Systems LLC	Hartford
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### District of Columbia

Howard University	Washington
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### Delaware

Delaware Tech & Comm. College	Georgetown
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### Florida

PDC Testing Centers LLC	Cooper City
Florida Com College Jacksonville	Jacksonville
Palm Beach Comm. College	Lake Worth
Potentia Consulting Group	Naples
Florida International University	North Miami
Valencia Enterprises	Orlando
Seminole Comm. College	Sanford
State College of Florida Manatee	Sarasota
Hillsborough Comm. College	Tampa

### Georgia

Albany Technical College	Albany
Advanced Technology Group	Atlanta
Atlanta Technical College	Atlanta
West Georgia Technical College	Carrollton
Columbus Technical College	Columbus
Heart of Georgia Tech. College	Dublin
Gwinnett Technical College	Lawrenceville
Central Georgia Tech College	Macon
Chattahoochee Technical College	Marietta
Savannah Technical College	Savannah
Valdosta Tech College	Valdosta

### Hawaii

Honolulu Comm. College	Honolulu
U. of Hawaii Maui Comm. College	Kahului

### Idaho

Boise State University	Boise
University of Idaho	Moscow
Idaho State University	Pocatello
College of Southern Idaho	Twin Falls

### Illinois

John A. Logan College	Carterville
American Social Services Uptown	Chicago
City Colleges of Chicago	Chicago
Daley College	Chicago
Carl Sandburg College	Galesburg
College of Lake County	Grayslake
Joliet Junior College	Joliet
Moraine Valley Comm. College	Palos Hills
John Wood Comm. College	Quincy
Business & Career Institute - SSC	South Holland
Lincoln Land Comm. College	Springfield

**Indiana**

Ivy Tech Bloomington	Bloomington
Ivy Tech Columbus	Columbus
Ivy Tech Southwest	Evansville
Ivy Tech Northeast	Fort Wayne
Ivy Tech Northwest	Gary
Ivy Tech Central Indiana	Indianapolis
Ivy Tech Lafayette	Lafayette
Ivy Tech South Bend	South Bend
Ivy Tech Wabash Valley	Terre Haute

**Iowa**

Des Moines Area Comm. College	Ankeny
Kirkwood Comm. College	Cedar Rapids
Eastern Iowa Comm. College	Davenport
Northeast Iowa Comm. College	Dubuque
Western Iowa Tech Comm. Coll.	Sioux City

**Kansas**

Hutchinson Comm. College	Hutchinson
Kansas State University	Manhattan
ACT Olathe Office	Olathe
Hutchinson Comm. College	Wichita

**Kentucky**

Bowling Green Technical College	Bowling Green
Gateway Comm. & Tech College	Covington
Bluegrass Comm. & Tech College	Lexington
Jefferson Comm. & Tech College	Louisville

**Louisiana**

Safety Council LA Capital Area	Addis
LSU Alexandria	Alexandria
Bossier Parish Comm. College	Bossier City
Adaptive Assessment Services	La Place
Verssa Consulting LLC	Lafayette
Delgado CC City Park	New Orleans
University of New Orleans	New Orleans

**Maine**

University of Maine Farmington	Farmington
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**Maryland**

Comm. Coll. of Baltimore County	Catonsville
Hagerstown Comm. College	Hagerstown
ACT Hunt Valley	Hunt Valley

**Massachusetts**

Bunker Hill Comm. College	Boston
Holyoke Comm. College	Holyoke
Springfield Tech Comm. College	Springfield
The Career Place Middlesex CC	Woburn

**Michigan**

Oakland Comm. College	Auburn Hills
Tuscola Technology Center	Caro
Henry Ford Comm. College	Dearborn
Michigan State University	East Lansing
Grand Rapids Comm. College	Grand Rapids
Lake Superior State University	Sault Ste Marie

**Minnesota**

Alexandria Technical College	Alexandria
Hennepin Technical College	Eden Prairie
University of Minnesota	Minneapolis

**Mississippi**

Mississippi Delta Comm. College	Indianola
Meridian Comm. College	Meridian
Hinds Comm. College	Raymond

**Missouri**

Jefferson College	Arnold
Cape Girardeau CTC	Cape Girardeau
Columbia College Kansas City	Kansas City
Moberly Area Comm. College	Moberly

**Montana**

Montana State University Billings	Billings
The Computer Training Center	Helena

**Nebraska**

Central Comm. College	Columbus
Mid-Plains Comm. College	North Platte
Univ. of Nebraska Omaha	Omaha
Western Nebraska CC	Scottsbluff

**Nevada**

College of Southern Nevada	Las Vegas
Truckee Meadows CC	Reno

**New Hampshire**

New Horizons Learning Center	Nashua
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**New Jersey**

Milestone Institute	Fort Lee
American Training Center Inc.	Passaic
Burlington County College	Pemberton
Thomas Edison State College	Trenton

**New Mexico**

Central New Mexico CC	Albuquerque
San Juan College	Farmington

**New York**

DGS Advanced Training Center	Albany
University of Buffalo	Buffalo
Alliance Computing Solutions	Flushing
Career Inst. Of Health and Tech.	Garden City
Cambridge Business Institute	New York City
Manhattan CC – Broadway	New York City
New York Business Institute	New York City
Dutchess Comm. College	Poughkeepsie
Rochester Institute of Tech.	Rochester
Columbia College	Syracuse
Jefferson Lewis BOCES	Watertown

**North Carolina**

Asheville Buncombe Tech CC	Candler
NC Elite Career Service Center	Cary
Central Piedmont Comm. College	Charlotte
Fayetteville State University	Fayetteville
New Horizons Greensboro	Greensboro
St. Augustine's College	Raleigh
Forsyth Tech. Comm. College	Winston Salem

**North Dakota**

Skills & Technology Training Ctr.	Fargo
Minot State University	Minot

**Ohio**

Pickaway-Ross Career Center	Chillicothe
Great Oaks Institute of Tech.	Cincinnati
Columbus State Comm. College	Columbus
Sinclair Comm. College	Kettering
James A. Rhodes State College	Lima
CTEC	Newark
Univ. of Akron Wayne College	Orrville
University of Toledo - Scott Park	Toledo
Cuyahoga Comm. College	Westlake

**Oklahoma**

Oklahoma City Comm. College	Oklahoma City
Tulsa Comm. College	Tulsa

**Oregon**

University of Oregon	Eugene
Southern Oregon University	Medford
Portland State University	Portland
Chemeketa Comm. College	Salem

**Pennsylvania**

Northampton Comm. College	Bethlehem
Harrisburg Area Comm. College	Harrisburg
Luzerne County Comm. College	Nanticoke
Bucks County Comm. College	Newtown
Comm. College of Philadelphia	Philadelphia
Comm. College of Allegheny Co.	Pittsburgh
Central Penn. Inst. of Sci. & Tech.	Pleasant Gap

**Puerto Rico**

ExecuTrain de Puerto Rico	San Juan
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**Rhode Island**

Comm. College of Rhode Island	Providence
Comm. College of Rhode Island	Warwick

**South Carolina**

Costal Carolina University	Conway
Spartanburg Technical College	Duncan
Aiken Technical College	Graniteville
Greenville Technical College	Greenville
Midlands Technical College	Irmo
Calhoun Technical College	Orangeburg

**South Dakota**

Southeast Technical Institute	Sioux Falls
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**Tennessee**

Chattanooga State Tech. College	Chattanooga
Tennessee Tech. Center	Elizabethton
Tennessee Tech. Center	Jackson
Pellissippi State Tech CC	Knoxville
Tennessee Tech. Center	Memphis
Tennessee Tech. Center	Nashville
Tennessee Tech. Center	Newbern

**Texas**

Austin Comm. College	Austin
Lamar Institute of Technology	Beaumont
Bill J. Priest Institute	Dallas
University of Texas at El Paso	El Paso
Tarrant County College District	Fort Worth
Texas State Tech College	Harlingen
Houston Comm. College	Houston
Lone Star College North Harris	Houston
Brazosport College	Lake Jackson
Business Comm. Solutions	Laredo
South Plains College	Lubbock
Northwest Vista College	San Antonio
Victoria College	Victoria
Business Comm. Solutions	Waco
Midwestern State University	Wichita Falls
Vernon College	Wichita Falls

**Utah**

Monticello Family Learning Ctr.	Monticello
Salt Lake Comm. College	Sandy

**Vermont**

NE Kingdom Learning Services	Newport
NE Kingdom Learning Services	St. Johnsbury

**Virgin Islands**

Virgin Island Train. & Assessment	St. Croix
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**Virginia**

Northern Virginia Comm. College	Annandale
Thomas Nelson Comm. College	Hampton

**Washington**

Bellevue Comm. College	Bellevue
Comm. College of Spokane	Spokane
Tacoma Comm. College	Tacoma

**West Virginia**

Pierpont Comm. & Tech College	Fairmont
West Virginia University	Parkersburg
West Virginia Northern CC	Wheeling

**Wisconsin**

Chippewa Valley Tech. College	Eau Claire
Northeast Wisconsin Tech. Coll.	Green Bay
Gateway Technical College	Kenosha
Madison Area Technical College	Madison
Nicolet Area Technical College	Rhineland
Milwaukee Area Tech. College	West Allis

**Wyoming**

Casper College	Casper
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**Canada – British Columbia**

Thompson Rivers University	Kamloops
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# How to Register

## Register by Telephone **ONLY**

To register for the ASE computer-based tests, call **1-800-525-6929** from January 12th to February 16th for the Winter Testing, and from July 9th to August 16th for the Summer Testing. Registration agents are available from 8 a.m. to 5 p.m. Central Time, Monday – Friday and 8 a.m. to 4 p.m. Central Time on Saturday. **A major credit card is required for payment.**

The registration agent will collect your credit card and personal information, and confirm your eligibility for any recertification tests or the L1 test. The agent will then give you the dates and times available at the test center of your choice, and schedule your tests. **When registering, it is important to give your full name exactly as it appears on the current (unexpired) government- or school-issued photo ID you will present at the test center.**

By registering for the ASE computer-based tests, you are accepting the terms set forth about the tests and reporting of results, including the right of ASE to confirm whether you are certified.

## Requesting Multiple Tests

You may take one or more tests during a single testing appointment. The maximum amount of time you can schedule in a single appointment is 4½ hours. If the tests you request require more time than this (or if you prefer to spread out your testing), your tests will be scheduled into multiple appointments. This could be a morning and afternoon of the same day or separate appointments on different days, depending on your preference and the test center's schedule.

## Appointment Length

The testing time allotted for each test varies from 30 minutes to 2 hours. (See the table on page 2 for specific details.) When you schedule your tests, a half-hour is added to each appointment. This allows time for check-in, a pre-test tutorial and a post-test survey. **It is important to report to the test center on time** to allow sufficient time for all these activities plus the timed tests themselves.

## Confirmation E-mail / Fax

Immediately after you register, you will receive a confirmation message showing your choice of tests, the date and time of your testing appointment and the location of the test center. If you do not have an e-mail account, you can request the confirmation be sent by fax. **Please be sure to have a valid e-mail address or fax number available when you call to register.**

**You should print a copy of the confirmation e-mail / fax for your records. You are responsible for knowing the correct date, time, and location of your tests. Missed tests cannot be rescheduled.** If you do not receive the confirmation the same day, or lose your printed copy, you should call the Registration Office right away and request that the confirmation be sent again.

## Taking Additional Tests

If you wish to register for additional tests during the same computer-based test administration (Winter or Summer), simply call back **at least two business days before you want to take the additional tests.** You will not be charged a second registration fee; you will only need to pay any new test fees that are due.

For example, you could register and take the A8 test for \$112 (\$74 Registration Fee plus \$38 Test Fee). If you pass the A8 test and have your work experience information on file, you could call back and register for the L1 test, paying only the \$76 Test Fee.

## Re-taking Tests

If you fail a test, you may retake it during **future** test administrations, but you must register again and pay the appropriate registration and test fees. **ASE further requires that you wait at least 45 days after you fail a test before you can take it again.** This is considered to be the minimum amount of time for remedial training and practice. If you register and take the same test twice in less than 45 days, your second score will be cancelled and all fees will be forfeited.

# Rescheduling Tests

## How to Reschedule

If you cannot keep your test appointment for any reason, you should call the CBT Registration Office at 1-800-525-6929 to reschedule. The office is open from 8 a.m. to 5 p.m. Central Time, Monday – Friday, and 8 a.m. to 4 p.m. on Saturday.

There is no penalty or fee for rescheduling and you can move your testing appointment to another date or test location that is convenient for you, subject to the testing schedule and seat availability at the test center. **However, you must call at least two full business days before your appointment to reschedule.** Refer to the schedule shown below.

If your appointment is on:	Call by: (all times are Central)
Monday	5 p.m. on Thursday
Tuesday	5 p.m. on Friday
Wednesday	4 p.m. on Saturday
Thursday	5 p.m. on Monday
Friday	5 p.m. on Tuesday
Saturday or Sunday	5 p.m. on Wednesday

**Please note that ALL fees for computer-based testing are non-refundable.** If you are unable to test because you are late or miss your appointment, or call too late to reschedule, you will forfeit all fees. No credit or refunds are given for missed computer-based tests.

All rescheduled tests must be taken during the **same** computer-based testing administration (Winter or Summer). You cannot reschedule tests for future written or CBT test administrations.

## Severe Weather

In the event of severe weather or disaster, the ACT Center may need to cancel your appointment. In this situation, ACT Center staff will attempt to contact you by telephone. If there is a possibility of severe weather and you are in doubt, you can always confirm your appointment by calling your ACT Center testing location at the telephone number listed on your confirmation e-mail / fax. If a test center is closed, your tests will be rescheduled at your earliest convenience, without any penalty or fee. If this occurs, please call the CBT Registration Office (1-800-525-6929) as soon as possible to reschedule.

## Test Center Interruptions

If a power failure, technical problem, or any other sort of interruption occurs during your test, you will be asked to wait for the problem to be corrected. You will be able to resume your test where you stopped, with no reduction in the testing time.

If the problem cannot be corrected within 30 minutes, an ACT Center staff member will dismiss you. You will then be allowed to reschedule your tests without any penalty or fee. If this occurs, please call the CBT Registration Office (1-800-525-6929) as soon as possible to reschedule.

# Preparing to Test

## What do the Tests Cover?

All ASE certification tests are written to measure your knowledge of systems and skills necessary for competent job performance. Experienced and competent professionals who work daily on the vehicle systems covered will find the test questions job-related.

## Who Writes the Questions?

Test questions are written by a panel of technical service experts from vehicle manufacturers, repair and test equipment and parts manufacturers, plus working technicians, parts specialists, and educators. All questions are pre-tested and quality checked on a national sample of test takers before they are used in an actual test.

## How Should I Prepare?

To prepare for the test, ASE suggests you take the following steps:

1. Review the Official ASE Study Guide for the tests you plan to take. ASE provides the Study Guides for free. You can request paper or CD-ROM versions by calling 1-888-ASE-TEST and selecting option 4, or download them from the ASE website. Go to [www.ase.com](http://www.ase.com), click on ASE Resource Center, then click on Study Guides and Booklets.

These guides include the test specification and task list for each test. If you are registered for the L1 test (regular or recertification), you should also study the Composite Vehicle Reference Booklet. You will receive a fresh, printed copy of the Composite Vehicle Reference Booklet at the test center, so there is no need to bring a copy with you.

2. Study the content areas listed on the Test Specification (also listed on pages 17, 18, and 19 of this booklet), noting which areas have more questions in the test.
3. Carefully read the Task List, noting the areas in which your skills are strong or weak. You can do this by checking off each task that you do not perform often or do not understand completely.
4. Review the sample questions that are included. Although these same questions will not appear in the test, they are similar in style and difficulty to the actual test questions.
5. Use steps 2 through 4 to identify any skill areas where you need additional study or training. Then refer to the Industry Training reference section in the back of each Study Guide to locate the training sources that are right for you.
6. Become familiar with the format of the ASE computer-based tests by using the ASE Computer-Based Test Demonstration. It can be viewed on the ASE Computer-Based Testing Information CD-ROM or on the ASE homepage. You can request the free CD-ROM by calling 1-888-ASE-TEST and selecting option 4. To view the Demonstration online, go to [www.ase.com/cbt](http://www.ase.com/cbt), and select Online CBT Demonstration.

The demonstration is **not** intended to test your automotive service knowledge. It presents sample questions from a variety of ASE tests to allow you to practice the navigational controls of the computer-based tests, just as they will appear at the actual test center.

7. Consider the new Official ASE Practice Tests. These low-cost online tests contain questions that are similar to the ones used on the actual ASE certification exams. The practice tests are half the length of the regular ASE tests and will provide feedback in the form of a performance report. You can also see explanations of the correct answer and incorrect answers for every question. Official ASE Practice Tests are currently available for tests A1 through A8 and P2. Go to [www.ase.com/practice](http://www.ase.com/practice) for more information.

# At the Test Center

## Check-in Time

Your confirmation e-mail / fax includes the location of the test center, including the building name and room number. Leave for the test center early enough to allow for traffic delays and parking. Park only in the designated areas. **It is very important that you report to the test center promptly**, as your computer is only reserved for you for a specific period of time.

When you check in, you will be asked to read and sign a consent form, stating that you agree to follow the ACT Center rules, and your picture will be taken. **If you do not sign the consent form or fail to follow the rules, your test session will be stopped, your test scores will be cancelled, and you will forfeit all fees.**

## Late Arrivals

If you are late for your appointment, you may or may not be allowed to test, depending on the amount of time left in your appointment and the schedule of the test center. **If you are unable to test because you are late or miss your appointment, you will forfeit all fees.**

If you arrive late but are allowed to test, you will be required to sign a waiver and test with reduced time. You will be required to stop when your appointment is scheduled to end, as determined by the ACT Center staff.

## Photo ID Requirement

**A current (unexpired) government- or school-issued photo ID is required for admission to the test, and the name you use to register must match the name on your ID.** If you have had a recent name change (due to marriage, divorce, etc.) you must also provide an official legal document (marriage license or court order) to verify the change. To update your records, please mail a copy of the document to ASE, P.O. Box 4007, Iowa City, IA 52243. Acceptable forms of identification include: Driver's license, State-issued ID, Military ID, Government-issued ID, Resident Alien ID, Passport, Police ID, Firearm Owner Registration ID, and School-issued ID. All ID cards must be current (unexpired) and include a photo. **If you are unable to test because you do not present a photo ID that meets these requirements, you will forfeit all fees.**

You do not have to present your confirmation e-mail / fax at the test center. However, you should have a printed copy for your records. You are responsible for knowing the correct date, time, and location of your tests. Missed tests cannot be rescheduled. If you do not receive the confirmation the same day you register, or lose your printed copy, you should call the Registration Office right away and request that the confirmation be sent again.

## What You Should NOT Bring

In most cases, you should not bring anything to the test center other than your current (unexpired) government- or school-issued photo ID.

- **CELL PHONES, pagers, programmable watches, music players, cameras, or any other electronic devices capable of recording, sending, or receiving information are not allowed in the testing room. If you use any electronic device, including a cell phone, in the testing room, your test session will be stopped, and the electronic device may be confiscated and sent to ACT for examination.**
- Guests, visitors, and family members are not allowed in the testing room or reception area.
- Food and drinks are not allowed in the testing room.
- Please be considerate of other test takers: avoid noisy clothing and jewelry, strong perfume or cologne, or anything that may distract others.
- **If you are taking the L1 test (regular or recertification), do not bring a copy of the Composite Vehicle Reference Booklet with you.** You will receive a fresh, printed copy of the Reference Booklet at the test center. This booklet will be collected at the end of the test.
- Except for inspected non-electronic English/foreign language dictionaries, you may not bring any aids, manuals, books, or notes into the testing room. A white board and marker will be provided.

## At the Test Center (continued)

- Calculators are not allowed. All calculations can be made on the white board provided.
- Purses, backpacks, briefcases, and study materials are not allowed in the testing room. We recommend that you do not bring these items with you to the test center. Outdoor apparel such as coats and hats must be stored outside the testing room in a location provided by the ACT Center. Other items may be prohibited at the discretion of the ACT Center. **ASE, ACT, and the testing center are not responsible for items brought to the testing center.**

### Taking the Test

Before you begin testing, you are asked to agree to maintain the confidentiality of the ASE test questions, and to affirm your identity and the test you are taking. **If you do not agree to these terms, the test will automatically be terminated, you will receive a score of zero on the test, and you will forfeit all fees for that test.**

Each test session begins with a short tutorial that explains how to move forward and backward through the test, answer test questions, and flag questions for later review. The ASE computer-based tests allow you to skip questions, flag them, and return to them later. During the test, you can change your answer to any question at any time.

A clock indicating the time remaining is shown in the corner of the screen, but it can be hidden from view if you find it distracting. Before you exit the test, you will be reminded to review the questions, including any that you have marked for review or left unanswered. Once you exit a test (or time expires), you may not return to the test, review any questions, or change any answers.

Your test score is based solely on the total number of correct answers you give, and there is no penalty for wrong answers. Therefore, it is to your advantage to answer every question.

### Breaks

You are allowed to use the rest room if the need arises, however if you are in the middle of a test, the test clock will continue to run. Appointments for multiple tests do not include additional time for breaks, so these should be kept as few and as short as possible to remain on schedule. **You must complete all tests by the end of your appointment time.**

### Getting Your Scores

When you finish answering all questions and exit a test (or you run out of time and the computer ends the test), your answers are immediately scored. A detailed Score Report will be printed and given to you as you leave the test center. If you pass any tests, certificates will be mailed following the close of CBT testing.

Test results, as well as registration information, can be viewed securely online 24/7 through myASE ([www.ase.com/myASE](http://www.ase.com/myASE)). You should allow two business days for CBT test results to appear in myASE.

ASE reserves the right to cancel any test score, bar participation in the ASE program, or revoke certification if it has any reason to question the validity of a test score, suspect misconduct at the test center, or suspect the reporting of fraudulent registration information.

### Providing Feedback

At the end of your test appointment, you will be asked to complete a short computerized survey to tell ASE about your experience with all aspects of the computer-based test. You will also receive a printed Comment Sheet with your Score Report as you leave the test center. You are invited to send additional comments about the testing directly to ASE.

# Testing Assistance

## Test Aids

You will be given a white board and marker before the test. If you are taking the L1 test (regular or recertification), you will be given a fresh, printed copy of the Composite Vehicle Reference Booklet before the test. These materials must be returned at the end of the test.

If English is your second language, you may bring a standard published English/foreign language dictionary to use in the test. However, the dictionary will be inspected before and after the test for notes or inserted pages. Photocopied, hand-written, unbound, or electronic glossaries or dictionaries are not allowed.

## Reader/Translator Assistance

**NO reader/translator assistance is allowed during ASE computer-based testing.** Test candidates who have a reading difficulty not related to a disability (as defined by the Americans with Disabilities Act) are allowed to request reader/translator assistance during the May and November written testing.

## Bilingual Test Forms

**NO bilingual (English/Spanish) tests are available during ASE computer-based testing.** A limited number of the ASE tests are given in a bilingual (English/Spanish) format during the May and November written testing.

## Americans with Disabilities Act

ASE provides testing accommodations, under the provisions of the Americans with Disabilities Act (ADA), to individuals who need accommodations to take the ASE certification tests. To request accommodations, please follow these steps:

1. Call 1-800-525-6929 and ask for an ADA Registration Agent. The agent will note your request and collect information about your preference for test centers, dates, and times, as well as your telephone number and e-mail address or fax number. The agent will then send you an ADA Request Form by e-mail or fax. The form can also be downloaded from the ASE website ([www.ase.com](http://www.ase.com)).
2. Have the form completed by a qualified, appropriate professional (e.g., physician for physical disability, learning disability specialist or psychologist for learning disability). The completed form should state the nature of your disability, how the disability affects test-taking, and the type of accommodations you are requesting (e.g., computer screen magnification, etc.).
3. Return the completed form to the address listed. **Please send the form by overnight mail or fax so that your request can be processed quickly.** If you have questions, call the ASE Help Desk at 1-800-388-5584 before sending your Request Form.
4. After your request is received and evaluated, the ADA Registration Agent will contact you by telephone and/or e-mail to complete your registration and schedule your tests. ASE will make a reasonable effort to accommodate your request.

**All requests for testing assistance must be approved in advance. No requests for assistance made at the ACT Center on the day of the test will be accepted.**

# Work Experience

## Two Year Requirement

In addition to passing one or more tests, ASE certification requires that you have two or more years of appropriate full-time, hands-on working experience in the motor vehicle service industry. If you have not previously provided work experience information, you should print and complete a Work Experience Report Form. You must return this form to receive a certificate. You can have a report form sent to your fax machine by calling 1-888-ASE-TEST and selecting option 7. You can also download the form from the ASE website. Go to [www.ase.com](http://www.ase.com), click on ASE Resource Center, then click on Customer Service Forms, and select the ASE Experience Reporting Form (pdf).

You may take tests (except X1, L1, and L2) before you have two years of experience. You will receive a score report, but you will not earn certification or receive certificates until you fulfill the experience requirement.

## Different Experience Types

The Work Experience Report Form has separate sections for different types of automotive industry job experience, and your work experience must match the kind of certification you are trying to achieve. Experience as a repair technician (automobile, truck, school bus, etc.) does not satisfy the experience requirements for Collision Damage Estimator (test B6), Automobile Service Consultant (test C1) or Parts Specialist (tests P1 through P4 and P9).

## Substitutions

You may receive credit for up to one year of the two-year work experience requirement by substituting relevant formal training in one, or a combination, of the following:

High School Training: Two full years of training, either in automobile/truck/school bus repair or in collision repair, refinishing, or damage estimating, may be substituted for one year of work experience.

Post-High School Training: Two full years of post-high school training in a public or private trade school, technical institute, community or four-year college, or in an apprenticeship program may be counted as one year of work experience.

Short Courses: For shorter periods of post-high school training, you may substitute two months of training for one month of work experience.

You may receive full credit for the two-year work experience requirement with the following:

Completion of Apprenticeship: Satisfactory completion of either a three-or four-year bona fide apprenticeship program.

Completion of an OEM-Sponsored Co-op Program.

To have your training considered as a substitute for work experience, send an official transcript of courses, or a statement of training, or a certificate showing satisfactory completion of apprenticeship, with your Work Experience Report Form. Documents should show length of training (hours or weeks). ASE reserves the right to evaluate all requests for substitution of training for experience and to grant such credit as may be appropriate.

Work experience other than that described above also may be credited toward fulfillment of the two-year experience where, in the ASE's judgment, the nature of the experience so warrants.

# Employer Codes

When you register, you will be asked to identify the category that **best** describes your current employer. Choose from the codes listed below.

## New Car/Lt. Truck Dealership/Distributor

23C Acura  
31C Audi  
32C BMW  
12B Buick  
13B Cadillac  
15B Chevrolet  
16B Chrysler  
17B Dodge  
18B Ford  
35C Honda  
22B Hummer  
25C Hyundai  
38C Infiniti  
24C Isuzu  
30C Jaguar  
11B Jeep  
02C Kia  
01C Land Rover  
40C Lexus  
19B Lincoln-Mercury  
36C Mazda  
37C Mercedes-Benz  
26C Mitsubishi  
33C Nissan  
21B Pontiac  
39C Porsche  
41C Saab  
14B Saturn  
42C Subaru  
44C Suzuki  
43C Toyota  
45C Volkswagen  
46C Volvo  
99C Other

## New M/H Truck Dealer/Distributor

52B Chevrolet Truck  
54B Dodge Truck  
55B Ford Truck  
53B Freightliner  
56B GMC  
57B International  
58B Kenworth  
59B Mack  
65C Mitsubishi-Fuso  
60B Peterbilt  
64B Sterling  
66C UD  
61C Volvo Truck  
63B Western Star  
99B Other

## Lift Truck Dealer/Repair Shop

99Y All

## Independent Repair Shop

75D ACDelco Total Service Support  
76D Auto Value/ Bumper to Bumper  
82D Best Auto  
77D Federated  
83D IAPA Auto Service Prof.  
84D Parts Plus Car Care Ctr.  
79D TECH-NET Professional Auto Svc.

80D NAPA AutoCare Center  
85D Auto/Light Truck  
86D Med/Hvy Truck  
90D School Bus  
87D Transit Bus/Coach  
89D Trailer  
99D Other

## Specialty Shop

01E Transmission Shop  
10E Car-X  
02E Just Brakes  
97E Meineke  
95E Midas  
51E Monro/Speedy Muffler  
47E The Brake Shop  
09E Tuffy  
99E Other

## Volume Retailer

29F Sears Tire Group  
96F The Pep Boys  
99F Other

## Tire Dealer

07G Big O  
01G Bridgestone / Firestone / Tires Plus  
02G General  
03G Goodrich  
04G Goodyear  
08G Merchant's  
09G NTB  
10G Tire Kingdom  
06G Independent  
99G Other

## Fleet Repair/Maintenance Operation

04H FedEx  
02H First Student  
05H First Vehicle Services  
06H Wal-Mart Transportation Services  
03H Waste Management  
01H UPS  
85H Auto/Light Truck  
86H Med/Hvy Truck  
90H School Bus  
87H Transit Bus/Coach  
89H Trailer  
91H Utility  
88H Independent  
99H Other

## Leasing & Rental Shop

57J Alamo Rent A Car  
63J Automotive Rentals, Inc.  
58J Avis  
59J Budget Rent A Car  
64J Dollar Rent A Car  
60J Enterprise Rent A Car  
51J GE Fleet Services  
61J Hertz  
52J IdeaLease No. America  
62J National Car Rental  
53J PACLease  
54J Penske Truck Leasing  
55J Ryder Trans. Services  
65J Thrifty Car Rental  
56J XTRA Lease  
85J Auto/Light Truck  
86J Med/Hvy Truck  
90J School Bus  
87J Transit Bus/Coach  
89J Trailer  
99J Other

## Collision Repair Shop

17K ABRA Auto Body & Glass  
11K CARSTAR  
12K Caliber Collision Center  
15K Collision MAX  
13K Sterling Collision Center  
14K True2Form  
48K Independent  
99K Other

## Collision Damage Estimating

51L Allstate Insurance  
52L Farmers Insurance  
53L GEICO Insurance  
54L Kemper Insurance  
55L Liberty Mutual Ins.  
56L Nationwide Insurance  
57L Progressive Insurance  
58L Prudential Insurance  
59L Sentry Insurance  
60L State Farm Insurance  
61L Travelers Insurance  
62L USAA Insurance  
01L Other Insurance Co.  
02L Independent Appraiser  
99L Other

## Machinist Facility

61M Jasper Engines & Transmissions  
63M Parts Jobber Machine Shop  
64M Non-Parts Jobber Machine Shop  
65M Production Engine Remanufacturer  
66M Engine Installation Facility  
67M Heavy Duty Diesel/ Industrial Mach. Shop  
99M Other

## OE Parts Distributor

07N Caterpillar  
08N Cummins  
09N Detroit Diesel  
99N Other

## Parts Jobber/WD

71P AC Delco  
77P Auto Value/ Bumper to Bumper  
78P APA  
79P Auto Pride  
82P CARQUEST Auto Parts  
83P Federated  
87P MAWDI / WDI / STAR  
84P NAPA  
72P Parts City Auto Parts  
86P Parts Plus / IAPA  
85P Pronto  
88P Independent  
99P Other

## Retail Parts Store

70R Advance Auto Parts  
64R AutoZone/Chief Auto Parts  
75R Champion Auto Stores  
63R CSK Auto  
50R O'Reilly Auto Parts/ Hi/Lo Auto Supply  
73R Strauss Discount Auto  
99R Other

## Service Station

70S Amoco  
71S Arco  
81S BP Group  
72S Chevron  
73S Citgo  
74S Conoco  
75S Exxon  
76S Gulf  
77S Marathon  
78S Mobil  
79S Phillips  
80S Shell  
82S Sunoco  
83S Texaco  
84S Unocal  
99S Other

## Military

92T Air Force  
90T Army  
94T Coast Guard  
93T Marine Corps  
91T Navy  
99T Other

## Government/Civil Service

99U All

## Student

99W All

## Educator/Instructor

99X All

## Other Employer Types

99Z All

# Frequently Asked Questions

## ***Why is ASE offering computer-based testing?***

Computer-based testing (or CBT) creates more opportunities each year for you to take ASE tests, and provides flexibility in scheduling.

## ***Which ASE tests are available via CBT?***

Currently, the Automobile Series tests (A1 through A8), the Collision Repair & Refinish Series tests (B2 through B6), the Service Consultant test (C1), the Advanced Engine Performance test (L1), the Automobile Parts Specialist (P2) test, and the Medium/Heavy Truck Series tests (T1 through T8).

\* Note that the Electronic Diesel Engine Diagnosis (L2) regular and recertification tests will **not** be offered on computer in Winter 2010 nor in Summer 2010. They will be offered in the Spring 2010 and Fall 2010 written testing.

## ***How does the process work?***

Like the traditional written (paper/pencil) testing, you must first register for the test(s) you desire. Currently, the only registration method available is via telephone.

	<u>Winter Test Administration</u>	<u>Summer Test Administration</u>
Registration period:	January 12 – February 16, 2010	July 9 – August 16, 2010
Testing period:	January 19 – February 23, 2010	July 16 – August 23, 2010
To register, call toll-free:	<b>1-800-525-6929</b> (both Winter and Summer)	

Unlike the written testing, you can schedule your testing date and time, subject to availability. You must allow at least two business days between the time you register and the test appointment. You will receive an appointment confirmation via e-mail or fax.

Come to the test center at your appointed time and present your current (unexpired) government- or school-issued photo ID. You will be seated, given a brief tutorial to acquaint you with the computer-delivered test, and then be able to take the certification test(s).

## ***When do I receive my test results?***

Right away. You will receive a printed detailed score report before you leave the test center. You can also view your test results securely online two business days later using myASE ([www.ase.com/myASE](http://www.ase.com/myASE)).

Certification credentials, such as certificates and insignia, will be mailed to you following the close of the testing period. Updated certification status information will be available to employers and automakers within eight weeks of the testing.

## ***Can I register for the ASE computer-based tests online?***

No. Currently, only telephone registration is available. The individual contact available on the phone allows ASE to provide more personalized service.

## ***Can I take the ASE tests online, over the Internet, from my home computer?***

No. The centralized test centers have been selected to present a cost-effective, reliable, secure, and proctored environment best suited to maintain the integrity of the ASE credential. Testing over the Internet presents numerous test security and operational problems, such as verifying the identity of the person taking the test and maintaining the communications connection throughout the session.

## Frequently Asked Questions (continued)

### ***Can I register for more than one test?***

Yes. You may register for as many tests as you like (note that some tests have special prerequisites). However, each test appointment can be no longer than 4½ hours. If the tests you request require more time than this, your tests will be scheduled into multiple appointments. This could be a morning and afternoon of the same day, or separate appointments on different days, depending on your preference and the test center's schedule.

### ***Where are the test centers?***

There are over 200 test centers throughout the U.S. The test centers are generally operated through community colleges around major population centers. Your confirmation e-mail / fax will include the exact location of the test center, including the building name, room number, and driving directions. Visit [www.ase.com/cbt](http://www.ase.com/cbt) and click on "Test Center Locators" to view the list of current test centers.

### ***How much does CBT testing cost?***

Registration fee: \$74 per test administration period (Winter or Summer)  
Regular tests (all except L1): \$38 each  
Advanced level tests (L1): \$76 each  
Recertification: \$38 per test (except L1, which is \$76) up to a \$98 maximum per test administration period, plus the \$74 Registration Fee. So if you take multiple recertification tests in one CBT testing period (Winter or Summer), the most you will pay for those tests is \$172 total (98 + 74). This price cap does not limit the number of recertification tests you may take; only the test fee you will pay for recertification tests.

### ***How much time do I have to take the ASE tests?***

Each appointment includes 30 extra minutes for check-in, the computer tutorial, and the post-test survey. However, unlike the written testing where you have up to four hours to take a test, each computer-based test is time-limited. Individual test times vary from 30 minutes to 2 hours, depending on the test. See the table on page 2 for specific test times. Before you register for the computer-based tests, you should review the number of questions and amount of time allotted for each test, and decide if you are comfortable with the time limits.

### ***Can I make appointments for additional tests during the registration period?***

Yes. You may call the CBT Registration Center to make an appointment for additional tests throughout the registration period. Just call back **at least two business days** before you want to take the additional tests. (Note that Winter CBT registration ends on February 16<sup>th</sup>, and Summer CBT registration ends on August 16<sup>th</sup>.) You may register for as many additional tests as you wish during the same test administration period (Winter or Summer) without incurring additional registration fees.

However, you may only attempt any single test once during each CBT test period. For example, if you register for the A1 – Engine Repair test during the Winter (CBT) test period, take the test and do not pass it, you will be ineligible to retake the A1 test until the regular Spring written testing period at the earliest. Because computer-based testing is available between the written test administrations, the opportunity to take any single test doubles, from two to four times per year.

### ***If I am unable to keep an appointment for a test session, may I reschedule?***

Yes. If you call the CBT Registration Office **at least two full business days** prior to your scheduled appointment, you may reschedule without penalty. However, if you cancel outright or do not show up for your test appointment, you will forfeit all registration and test fees, and you will not be allowed to re-register for that test during the current testing period. Tests may only be rescheduled to be taken during the same CBT testing period; not to a future written or CBT test administration.

### ***Will paper and pencil testing still be available?***

Yes. Written (paper/pencil) testing will continue to be offered twice yearly in May and November. CBT simply increases the availability of ASE testing.

# ASE Test Specifications - 2010

## Automobile Tests

Content Area and Number of Questions

### A1 Engine Repair – 50 questions, 1 hour

A. General Engine Diagnosis	15
B. Cylinder Head & Valve Train Diagnosis & Repair	10
C. Engine Block Diagnosis and Repair	10
D. Lubrication & Cooling Systems Diag. & Repair	8
E. Fuel, Electrical, Ignition, & Exhaust Systems Inspection & Service	7

### A2 Automatic Transmission/Transaxle – 50 questions, 1 hour

A. General Transmission/Transaxle Diagnosis	25
1. Mechanical/Hydraulic Systems (11)	
2. Electronic Systems (14)	
B. In-Vehicle Transmission/Transaxle Maintenance And Repair	12
C. Off-Vehicle Transmission/Transaxle Repair	13
1. Removal, Disassembly, and Assembly (4)	
2. Gear Train, Shafts, Bushings, Pump & Case (5)	
3. Friction and Reaction Units (4)	

### A3 Manual Drive Train & Axles – 40 questions, 1 hour

A. Clutch Diagnosis and Repair	6
B. Transmission Diagnosis and Repair	7
C. Transaxle Diagnosis and Repair	7
D. Drive Shaft/Half-Shaft & Universal Joint/Constant Velocity (CV) Joint Diagnosis & Repair (Front and Rear Wheel Drive)	5
E. Rear Axle Diagnosis and Repair	7
1. Ring and Pinion Gears (3)	
2. Differential Case/Carrier Assembly (2)	
3. Limited Slip/Locking Differential (1)	
4. Axle Shafts and Housing (1)	
F. Four-Wheel Drive/All-Wheel Drive Component Diagnosis & Repair	8

### A4 Suspension and Steering – 40 questions, 1 hour

A. Steering Systems Diagnosis and Repair	10
1. Steering Columns (3)	
2. Steering Units (4)	
3. Steering Linkage (3)	
B. Suspension Systems Diagnosis and Repair	11
1. Front Suspensions (6)	
2. Rear Suspensions (5)	
C. Related Suspension and Steering Service	2
D. Wheel Alignment Diagnosis, Adj., & Repair	12
E. Wheel and Tire Diagnosis and Service	5

### A5 Brakes – 45 questions, 1 hour

A. Hydraulic System Diagnosis and Repair	12
1. Master Cylinder (3)	
2. Lines and Hoses (3)	
3. Valves and Switches (3)	
4. Bleeding, Flushing, and Leak Testing (3)	

*(continued at the top of the next column)*

### A5 Brakes (continued)

B. Drum Brake Diagnosis & Repair	5
C. Disc Brake Diagnosis & Repair	10
D. Power Assist Units Diagnosis & Repair	4
E. Miscellaneous Systems Diagnosis & Repair	7
F. Electronic Brake Control Systems - Antilock Brake Systems (ABS) and Traction Control Systems (TCS) - Diagnosis & Repair	7

### A6 Electrical/Electronic Systems – 50 questions, 1 ¼ hours

A. General Electrical/Electronic System Diagnosis	13
B. Battery Diagnosis and Service	4
C. Starting System Diagnosis and Repair	5
D. Charging System Diagnosis and Repair	5
E. Lighting Systems Diagnosis and Repair	6
1. Headlights, Parking Lights, Taillights, Dash Lights, & Courtesy Lights (3)	
2. Stoplights, Turn Signals, Hazard Lights, and Back-up Lights (3)	
F. Gauges, Warning Devices, & Driver Information Systems Diagnosis & Repair	6
G. Horn and Wiper/Washer Diagnosis & Repair	3
H. Accessories Diagnosis & Repair	8
1. Body (4)	
2. Miscellaneous (4)	

### A7 Heating and Air Conditioning – 50 questions, 1 hour

A. A/C System Service, Diagnosis and Repair	13
B. Refrigeration System Component Diag. & Repair	10
1. Compressor and Clutch (5)	
2. Evaporator, Condenser, and Related Components (5)	
C. Heating & Engine Cooling Systems Diag. & Rep.	4
D. Operating Systems & Related Cntrls Diag. & Rep.	19
1. Electrical (10)	
2. Vacuum/Mechanical (2)	
3. Automatic & Semi-Auto HVAC Systems (7)	
E. Refrigerant Recovery, Recyc., Handling & Retrofit	4

### A8 Engine Performance – 50 questions, 1 hour

A. General Diagnosis	12
B. Ignition System Diagnosis and Repair	8
C. Fuel, Air Ind. & Exhaust Systems Diag. & Rep.	9
D. Emissions Control Systems Diagnosis & Repair (Including OBDII)	8
1. Positive Crankcase Ventilation (1)	
2. Exhaust Gas Recirculation (2)	
3. Secondary Air Injection (AIR) and Catalytic Converter (2)	
4. Evaporative Emissions Controls (3)	
E. Computerized Engine Controls Diagnosis and Repair (including OBDII)	13

# ASE Test Specifications - 2010 (continued)

## Collision Repair & Refinishing Tests

Content Area and Number of Questions

### B2 Painting and Refinishing – 55 questions, 1 ¼ hours

A. Surface Preparation	15
B. Spray Gun Operation and Related Equipment	6
C. Paint Mixing, Matching, and Applying	15
D. Solving Paint Application Problems	8
E. Finish Defects, Causes, and Cures	6
F. Safety Precautions and Miscellaneous	5

### B3 Non-Structural Analysis and Damage Repair – 55 questions, 1 ¼ hours

A. Preparation	7
B. Outer Body Panel Repairs, Replacements, and Adjustments	17
C. Metal Finishing and Body Filling	8
D. Glass and Hardware	5
E. Welding, Cutting, and Removal	12
F. Plastic Repair	6

### B4 Structural Analysis and Damage Repair – 50 questions, 1 hour

A. Frame Inspection and Repair	16
B. Unibody Inspection, Measurement, and Repair	18
C. Stationary Glass	4
D. Metal Welding and Cutting	12

### B5 Mechanical and Electrical Components – 50 questions, 1 hour

A. Suspension and Steering	11
B. Electrical	10
C. Brakes	4
D. Heating and Air Conditioning	5
E. Engine Cooling Systems	4
F. Drive Train	5
G. Fuel, Intake, and Exhaust Systems	3
H. Restraint Systems	8

### B6 Damage Analysis and Estimating – 50 questions, 1 hour

A. Damage Analysis	11
B. Estimating	13
C. Legal and Environmental Practices	3
D. Vehicle Construction	6
E. Vehicle Systems Knowledge (Includes Hybrid & Alternate Fuel Vehicles)	11
1. Fuel, Intake, Ignition, and Exhaust Systems (1)	
2. Suspension and Steering (3)	
3. Brakes (1)	
4. Heating, Engine Cooling, and Air Conditioning (2)	
5. Electrical/Electronic Systems (1)	
6. Restraint Systems (2)	
7. Fasteners and Materials (1)	
F. Parts Identification and Source Determination	4
G. Customer Relations and Sales Skills	2

## C1, L1, and P2 Tests

Content Area and Number of Questions

### C1 Automobile Service Consultant – 50 questions, 1 hour

A. Communications	26
1. Customer Relations (12)	
2. Sales Skills (10)	
3. Internal Relations (4)	
B. Product Knowledge	21
1. Engine Systems (4)	
2. Drive Train Systems (3)	
3. Chassis Systems (4)	
4. Body Systems (3)	
5. Services/Maintenance Intervals (3)	
6. Warranty, Service Contracts, Service Bulletins, and Campaigns/Recalls (2)	
7. Vehicle Identification (2)	
C. Shop Operations	3

### L1 Auto Advanced Engine Performance Specialist – 50 questions, 2 hours

A. General Powertrain Diagnosis	6
B. Computerized Powertrain Controls Diagnosis (including OBDII)	14
C. Ignition System Diagnosis	6
D. Fuel Systems & Air Induction Sys. Diag.	7
E. Emissions Control Systems Diagnosis	9
F. I/M Failure Diagnosis	8

### P2 Automobile Parts – 75 questions, 1 ½ hours

A. General Operations	10
B. Customer Relations and Sales Skills	11
C. Vehicle Systems Knowledge	40
1. Engine Mechanical Parts (3)	
2. Cooling Systems (2)	
3. Fuel Systems (3)	
4. Ignition Systems (3)	
5. Exhaust Systems (2)	
6. Emissions Control Systems (3)	
7. Manual Transmission/Transaxle (2)	
8. Automatic Transmission/Transaxle (2)	
9. Drive Train Components (2)	
10. Brakes (3)	
11. Suspension and Steering (3)	
12. Heating and Air Conditioning (3)	
13. Electrical/Electronic Systems (3)	
14. Battery, Charging, & Starting Systems (3)	
15. Miscellaneous (3)	
D. Vehicle Identification	3
E. Cataloging Skills	6
F. Inventory Management	3
G. Merchandising	2

# ASE Test Specifications - 2010 (continued)

## Medium/Heavy Truck Tests Content Area and Number of Questions

### T1 Gasoline Engines – 50 questions, 1 hour

A. General Diagnosis	14
B. Cylinder Head and Valve Train Diagnosis and Repair	4
C. Engine Block Diagnosis and Repair	4
D. Lubrication and Cooling Systems Diagnosis and Repair	3
E. Ignition System Diagnosis and Repair	6
F. Fuel, Air Induction, and Exhaust Systems Diagnosis and Repair	6
G. Emission Control Systems Diagnosis and Repair	5
H. Computerized Engine Controls Diagnosis and Repair	8

### T2 Diesel Engines – 55 questions, 1 ½ hours

A. General Engine Diagnosis	11
B. Cylinder Head and Valve Train Diagnosis and Repair	4
C. Engine Block Diagnosis and Repair	5
D. Lubrication and Cooling Systems Diagnosis and Repair	6
E. Air Induction and Exhaust Systems Diagnosis and Repair	6
F. Fuel System Diagnosis and Repair	16
G. Starting and Charging System Diag. & Repair	4
H. Engine Brakes	3

### T3 Drive Train – 40 questions, 1 hour

A. Clutch Diagnosis and Repair	11
B. Transmission Diagnosis and Repair	13
C. Drive Shaft & Universal Joint Diagnosis & Repair	7
D. Drive Axle Diagnosis and Repair	9

### T4 Brakes – 50 questions, 1 hour

A. Air Brakes Diagnosis and Repair	28
1. Air Supply and Service Systems (14)	
2. Mechanical/Foundation (10)	
3. Parking Brakes (4)	
B. Hydraulic Brakes Diagnosis and Repair	14
1. Hydraulic System (6)	
2. Mechanical System (5)	
3. Power Assist Units and Miscellaneous (3)	
C. Air and Hydraulic Antilock Brake (ABS), Automatic Traction Control, and Elec. Stability Control Sys.	5
D. Wheel Bearings Diagnosis and Repair	3

### T5 Suspension and Steering – 50 questions, 1 hour

A. Steering System Diagnosis and Repair	12
1. Steering Column (3)	
2. Steering Units (6)	
3. Steering Linkage (3)	
B. Suspension System Diagnosis and Repair	13
C. Wheel Alignment Diagnosis, Adjustment, and Repair	13
D. Wheels and Tires Diagnosis and Repair	9
E. Frame Service and Repair	3

### T6 Electrical/Electronic Systems – 50 questions, 1 ¼ hours

A. General Electrical Diagnosis	14
B. Battery Diagnosis and Repair	4
C. Starting System Diagnosis and Repair	7
D. Charging System Diagnosis and Repair	7
E. Lighting Systems Diagnosis and Repair	6
1. Headlights, Parking, Clearance, Tail, Cab, and Dash Lights (3)	
2. Stoplights, Turn Signals, Hazard Light, and Backup Lights (3)	
F. Gauges & Warning Devices Diagnosis and Repair	4
G. Related Systems	8

### T7 Heating, Ventilation, and A/C – 40 questions, 1 hour

A. HVAC System Diagnosis, Service, and Repair	6
B. A/C System and Component Diagnosis, Service, and Repair	16
1. A/C System - General (6)	
2. Compressor and Clutch (5)	
3. Evaporator, Condenser, and Related Components (5)	
C. Heating and Engine Cooling Systems Diagnosis, Service, and Repair	6
D. Operating Systems and Related Controls Diagnosis and Repair	8
1. Electrical (5)	
2. Air/Vacuum/Mechanical (2)	
3. Constant/Automatic Temperature Control (1)	
E. Refrigerant Recovery, Recycling, Handling, and Retrofit	4

### T8 Preventive Maintenance Inspection – 50 questions, 1 hour

A. Engine Systems	10
B. Cab and Hood	5
C. Electrical/Electronics	10
D. Frame and Chassis	22
1. Brakes (10)	
2. Drivetrain (4)	
3. Steering, Tires, and Wheels (4)	
4. Suspension, Frame and 5th Wheel (4)	
E. Road/Operational Test	3



## Sample Questions

The following are examples of the types of questions you will find in the ASE tests. For additional sample questions and training resources, view the Official ASE Study Guide for each test series on the ASE website ([www.ase.com](http://www.ase.com)), or request paper or CD-ROM versions by calling 1-888-ASE-TEST and selecting option 4.

### Automobile Test Questions

1. A vacuum gauge is connected to the intake manifold of an engine running at 2,000 rpm. During the test, the pointer on the gauge fluctuates rapidly between readings of 10 and 22 inches of vacuum. These readings could be caused by:  
(A) a leaking intake manifold gasket.  
(B) worn piston rings.  
(C) worn valve guides.  
(D) a broken valve spring.
2. The engine of a vehicle with an automatic transmission starts in all selector positions. Which of these is the most likely cause?  
(A) A shorted ignition switch  
(B) A shorted neutral switch  
(C) An open neutral switch  
(D) An open ignition switch
3. The front end of a vehicle with disc/drum brakes dips too much when the brakes are lightly applied. Which of these is the most likely cause?  
(A) Loose front wheel bearings  
(B) Air in the front brake lines  
(C) A binding caliper piston seal  
(D) A bad metering (hold off) valve
4. A vehicle has been parked all night with the key off. Battery terminal voltage measures 12.55 volts on a digital voltmeter. Technician A says that the vehicle has a key-off drain problem. Technician B says that the battery should be charged. Who is right?  
(A) A only                      (C) Both A and B  
(B) B only                      (D) Neither A nor B
5. A multiport fuel injected engine idles ok but hesitates when the throttle is opened. Which of these is the most likely cause?  
(A) A bad idle air control valve  
(B) An open fuel injector winding  
(C) A bad throttle position sensor  
(D) An open oxygen sensor lead

### Collision Repair and Refinishing Test Questions

6. After welding, high-strength steel could be cooled by which of these methods?  
(A) spraying with cold water  
(B) air hosing  
(C) letting it cool naturally  
(D) wiping with oil
7. A damaged metal door outer panel (skin) is being replaced. Technician A says that the damaged panel could be removed by grinding away the outer edge with a disc grinder. Technician B says that the new metal panel could be attached by tack welding. Who is right?  
(A) A only                      (C) Both A and B  
(B) B only                      (D) Neither A nor B
8. Which of these must be done to a spray gun to change the spray pattern below?  
From  To   
(A) increase the air pressure  
(B) increase the fan width  
(C) decrease the fluid amount  
(D) hold the gun back further from the surface
9. Which of these is most likely to happen when acrylic metallic colors are over-reduced?  
(A) the color will be too dark  
(B) the color will be too light  
(C) there will be poor filling  
(D) there will be excessive orange peel
10. The labor value to remove moldings and trim necessary to refinish a fender:  
(A) is an included operation  
(B) is not an included operation  
(C) includes access labor value  
(D) includes adhesive removal

## Sample Questions (continued)

### Service Consultant Test Questions

11. A customer requests that the timing be adjusted on their vehicle. The service consultant should:
- (A) explain that ignition timing may not be adjustable.
  - (B) ask the customer about their vehicle symptoms.
  - (C) quote a price for the request.
  - (D) suggest new spark plugs with the service.
12. Which of these functions is performed by the engine timing belt?
- (A) It connects the pistons to the crankshaft
  - (B) It can be used to adjust spark timing
  - (C) It drives the camshaft
  - (D) It controls engine RPM

### Advanced Engine Performance Test Questions

13. After repairing a vacuum leak, a technician starts and runs the vehicle until it reaches closed loop. The technician then finds the following scan tool readings: Long Term FT: +30%, Short Term FT: -10%. Which of these is the most likely cause?
- (A) Normal operation
  - (B) A lazy oxygen sensor
  - (C) Another vacuum leak
  - (D) A bad PCM
14. An engine runs rough at all times, and a P0301 "Cylinder 1 Misfire Detected" diagnostic trouble code (DTC) is stored. Which of these is the most likely cause?
- (A) A failed CKP sensor
  - (B) A broken valve spring
  - (C) Low fuel pressure
  - (D) High fuel pressure

### Parts Specialist Test Question

15. A customer comes in while a parts specialist is on the telephone with another customer. Which of these should the parts specialist do?
- (A) Finish with the telephone customer first
  - (B) Put the telephone customer on hold and wait on the walk-in customer
  - (C) Acknowledge the walk-in customer and finish with the telephone customer
  - (D) Finish with the telephone customer and pull their order

### Medium/Heavy Truck Test Questions

16. A truck with a turbocharged diesel engine has normal full-load power, but it accelerates poorly from a stop. The most likely cause is:
- (A) restriction in the fuel system.
  - (B) a misadjusted smoke limiter.
  - (C) a restriction in the air cleaner.
  - (D) low boost pressure.
17. The driver of a truck that has just had its front springs and hangers replaced says that it is hard to keep the truck in a straight ahead position. Technician A says that this could be caused by installing the caster shims backwards. Technician B says that this could be caused by installing shorter forward spring hangers. Who is right?
- (A) A only
  - (B) B only
  - (C) Both A and B
  - (D) Neither A nor B
18. A driver complains that after each air brake application, a truck's rear brakes drag for a short time. Which of these could be the cause?
- (A) a sticking treadle (foot) valve
  - (B) too much moisture in the system
  - (C) a sticking relay valve
  - (D) too little shoe-to-drum clearance
19. Any of these could cause hard shifting EXCEPT:
- (A) a twisted main shaft
  - (B) a misadjusted clutch
  - (C) a worn synchronizer
  - (D) worn detent grooves

**Answer key:**    1-D   2-B   3-D   4-D   5-C   6-C   7-C   8-B   9-B   10-B  
                         11-B   12-C   13-A   14-B   15-C   16-B   17-A   18-C   19-D

## Important Notes

ASE is a nonprofit corporation dedicated to improving the quality of motor vehicle service and repair throughout the nation. ASE's primary function is to test and certify automobile, medium/heavy truck, truck equipment, school bus, transit bus, and collision repair/refinish technicians as well as engine machinists, collision damage estimators, service consultants, and parts specialists. ASE also encourages and assists in the development of automotive training programs.

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