



Atlantic Technical College

Automotive Service Technology (CDE)

Program Syllabus

2018-2019



Instructor Name: Mark Armbrust / Terry A Butler

Department Name: Automotive

Office/Classroom Location: Coconut Creek HS, Room 412

Phone Number: 754 322-0350

Email Address: mark.armbrust@browardschools.com

terry.butler@browardschools.com

Instructor Office Hours:

M-F: 1:35-3:35 PM

(by appointment only)

Student Hours:

Monday – Friday

6:50 AM – 9:50 AM

(District CDE 11th and 12th Graders)

Lunch

9:50 AM – 10:20 AM

Break

10:20 AM – 10:35 AM

10:35 AM – 1:35 PM

Program Name: Automotive Service Technology

Career Cluster: Transportation, Distribution and Logistics

OCF

Course Name / Title

Hours

A

Automotive Service Assistor

300 hours

B

Engine Repair

150 hours

E

Suspension and Steering

150 hours

F

Automotive Brakes

150 hours

G

Electrical/Electronic Systems

300 hours

ASE study

150 hours

**1200 total
hours**

Technical College Policy/ High School Student Attendance:

Dual Enrolled High School/Attendance Policy:

A student, who has had at least five unexcused absences, or absences for which the reasons are unknown, within a calendar month, or 10 unexcused absences, or absences, for which the reasons are unknown, within a 90-calendar-day period, may be exhibiting a pattern of non-attendance (F.S.1003.26 (1) (b)) and the School Board of Broward County, Policy 5.5.

Required Materials/Supplies:

Loaned to students:

- Modern Automotive Technology Textbook
- Modern Automotive Technology Workbook
- Modern Automotive Technology / Shop Manual

Optional to purchase from the book store:

- Motor Age A-1 to A-8 ASE Training Books

Required Materials/Supplies

Purchased from ATC Bookstore:

- Unex Safety Glasses
- Notebooks
- Writing Utensils (pen and pencil)

Optional:

- Pocket Flash Light

Grading System: A 90 - 100% B 80 - 89% C 70 - 79% D 60 - 69% F 0 - 59% I Incomplete	Additional Program Specific Grading Information: <table> <tr> <td>Employability</td><td>10%</td></tr> <tr> <td>Lab</td><td>30%</td></tr> <tr> <td>Module Tests</td><td>25%</td></tr> <tr> <td>Textbook / Workbook</td><td>10%</td></tr> <tr> <td>Electude</td><td>25%</td></tr> </table>	Employability	10%	Lab	30%	Module Tests	25%	Textbook / Workbook	10%	Electude	25%
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Lab	30%										
Module Tests	25%										
Textbook / Workbook	10%										
Electude	25%										
Lab Work: Each course requires that the student must have the following percentage of lab work competed: <ul style="list-style-type: none"> • P1- 95% • P2- 80% • P3- 50% 	Online Course Grading Policy: <ul style="list-style-type: none"> • Electude courses must have a 70% or higher to complete the course. • Quizzes and tests will be graded on first attempts only. (NO Resets) • Failure to complete a course before the due date will result in a zero grade for that course quiz. 										
View Your Grades: Grades can be viewed online by following the directions below: <ol style="list-style-type: none"> 1. Go to https://browardfocus.com (access FOCUS using Chrome, Firefox or Safari) 2. Student ID which is on your student schedule. 3. Passcode: Student's date of birth formatted as YYYYMMDD. <i>Four digits for the year, two digits for the month and two digits for the day.</i> 											
Class Room/ Lab Rules: <ol style="list-style-type: none"> 1. <i>Must complete safety online course and pass the safety test with a 90% or better before working in shop.</i> 2. <i>Must wear safety glasses at all times when in shop.</i> 3. <i>Do not use equipment if you have not been trained to use it correctly.</i> 4. <i>Must have proper shop clothing to work (no flip flops, loose fitting clothing, etc.)</i> 5. <i>Clean any oil spills immediately.</i> 6. <i>Do not distract anyone who is working on a project.</i> 7. <i>No running or throwing things</i> 8. <i>All vehicles in the shop must have a repair order before work can begin.</i> 9. <i>The keys of any vehicle in the shop will be given to the instructor and not returned until the vehicle has been cleared by the instructor.</i> 10. <i>Be aware of what is going on around you at all times.</i> <p><u>Please Note:</u> <i>Working in the shop is a privilege that can be revoked if these rules are not followed.</i></p>											
ASE Industry Credentials: A4 Brakes ASE Certification: Students are eligible to take one of the eight (8) ASE tests (A4). Exam costs are free to students who have earned a C grade or higher in each course. ASE tests are given off-site.	Outstanding Student Recognition Information: A gold seal will be applied to a Program Completion Certificate or an Applied Technology Diploma if the student has earned a 3.5 GPA or higher in their Career and Technical Education (CTE) classes.										

Program Name: Automotive Service Technology
Course Number: AER0014 Course Name: Automotive Services Assistor Occupational Completion Point: A Intended Outcomes: 1.0 - Proficiently explain and apply required shop and personal safety tasks relating to the automotive industry. 2.0 - Explain and apply required tasks associated with the proper use and handling of tools and equipment relating to the automotive industry. 3.0 - Demonstrate proficiency in preparing vehicle for routine pre/post maintenance and customer services.
Course Number: AER0110 Course Name: Engine Repair Technician Occupational Completion Point: B Intended Outcome: 4.0 - Explain and apply proficiently the diagnosis, service and repair of engines, cylinder heads, valve train, engine block, lubrication and cooling systems.
Course Number: AER0453 Course Name: Automotive Suspension and Steering Technician Occupational Completion Point: E Intended Outcome: 7.0 - Explain and apply proficiently the diagnosis, service and repair of front and rear suspensions systems, wheel alignment, and wheels and tires.
Course Number: AER0418 Course Name: Automotive Brake System Technician Occupational Completion Point: F Intended Outcome: 8.0 - Explain and apply proficiently the diagnosis, service and repair of drum\disc brake, hydraulics, power assist units, electronic brakes, traction control, stability control systems and miscellaneous (wheel bearings, parking brake, electrical, etc.) systems.
Course Number: AER0360 Course Name: Automotive Electrical/Electronic System Technician Occupational Completion Point: G Intended Outcome: 9.0- Explain and apply proficiently the diagnosis, service and repair of electrical/electronic system components, battery, starting, charging, lighting, gauges, warning devices, driver information, horn, wiper/washer and accessory systems.

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