

# DE ANZA COLLEGE AUTOMOTIVE TECHNOLOGY AUTO 60B GREENSHEET

AUTO D060B95  
CRN 223

AUTOMOTIVE ELECTRONIC CONTROLS

4.5 Units Fall 2015

**General Information:** Instructor: John Walton

Office phone number: (408) 864-8508

Email: [waltonjohn@fhda.edu](mailto:waltonjohn@fhda.edu)

Web site: <http://faculty.deanza.fhda.edu/waltonjohn>

Dates: Monday and Wednesday

Hours: 6:00 P.M. to 10:10 P.M.

Office hours: 5:00 P.M. to 6:00 P.M Monday through Thursday

Office location: #E14d in E1 Automotive technology building



**Advisories:**

Auto 50A, 50B, 60 and 60A; English 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 101 or 112.

**Automotive Technology Website at:** [autotech.deanza.fhda.edu](http://autotech.deanza.fhda.edu)

**Course Description:**

- Application of computer control principles to automotive systems.
- Operation of automotive electronic control systems, including commonly used sensors, actuators, and displays.
- Introduction to diagnostic methods and test equipment for automotive electronic control systems.
- Preparation for Automotive Service Excellence (ASE) examination in areas A6, A8, and L1.

**Student Learning Outcome Statements (SLO) The student will:**

- Identify and appraise the operation of engine control systems where computer management is prevalent.

|    |           |
|----|-----------|
| A+ | 97 - 100% |
| A  | 94 - 96%  |
| A- | 90 - 93%  |
| B+ | 87 - 89%  |
| B  | 83 - 86%  |
| B- | 80 - 82%  |
| C+ | 75 - 79%  |
| C  | 65 - 74%  |
| D+ | 60 - 64%  |
| D  | 56 - 59%  |
| D- | 50 - 55%  |
| F  | 0 - 49%   |

**Text and Reference:**

60B Automotive Electronics Printed Course Packet  
(available from campus bookstore)

All Data, Shop Key.

**Required Equipment**

Safety glasses

**Grading System**

Graded weekly quizzes, worksheets, participation, & comprehensive final, Safe work practices

Highest class score = 100%.

**Final Exam**

Scheduled for the last class meeting

**Missing Assignments:**

The student will complete any missing assignments within 7 days.

**Late assignments are subject to 1 grade penalty**

2 points will be deducted from **ALL** late assignments.

**Attendance:**

Students will be dropped for exceeding 2 absences.

**Adds:**

**You must add before the current college deadline, late adds are not allowed.**

**Drops:**

**If you stop attending the class you will receive an F unless you drop before the current college drop date.**

***Adding or dropping a class is your responsibility.***

**Reading: You are expected to read the syllabus pages covered in lecture or as otherwise assigned.**

**Automotive Technology Website:** [autotech.deanza.fhda.edu](http://autotech.deanza.fhda.edu)

**To register or get grades on line:** [www.deanza.fhda.edu/](http://www.deanza.fhda.edu/)

### **Attendance Policy**

Your attendance is an essential part of this course. By enrolling in this class, you are committing to attend promptly. Make-up exams and worksheets will only be available for one week following an absence. If you are going to miss a class or know that you will be late, you must notify me as soon as possible. It is your responsibility to get yourself caught up.

### **Disruptive Behavior**

**A.** DeAnza College will enforce all policies and procedures set forth in the *Standards of Student Conduct* (see web site, schedule or catalog). Any student disrupting a class may be asked to leave that class. Disruption includes cell phone usage, text messaging and talking to other students during lecture. After administrative review, student may not be allowed to return to class. <http://www.deanza.edu/specialed/dish/appendix/conducts.html>

**B.** No cell phone interruptions – turn cell phones off or to vibrate mode during class.

**C.** No eating, drinking sodas, or chewing tobacco in this classroom.

Register on line or get grades on line at: [www.deanza.edu/](http://www.deanza.edu/)

### **Disability Support Programs & Services (DSP&S)**

If you need any classroom accommodations or services due to a disability, please see me after class. A verification of your disability must be on file with the college. <http://www.deanza.edu/specialed/dss/>

For information on learning disabilities, call or visit the Educational Diagnostic Center, Learning Center West 110, 408-864-8839. For information on others disabilities, call or visit Disability Support Services, Seminar 2A, 408-864-8753.

### **Safety Policy**

*Safety glasses AND shoes are to be worn at all times during any lab work or demonstration.*

- **Financial Aid:** Lisa Mandy: Director (408) 864- 8403 [mandylisa@fhda.edu](mailto:mandylisa@fhda.edu)
- **Certificates and degrees:** <http://www.deanza.edu/counseling/pdf/degrees/auto-technician.pdf>
- **Scholarship Information available in financial aid or at**  
<http://www.deanza.edu/financialaid/scholarship.html>

|                          |                   |
|--------------------------|-------------------|
| Course CRN               | 00223             |
| Credit Hours             | 4.5               |
| Last Day for Adds        | November 03, 2015 |
| Census Date              | November 04, 2015 |
| Last Day for Refund      | November 02, 2015 |
| Last Day for Drops w/o W | November 03, 2015 |
| Last Day for Drops       | November 30, 2015 |

## Suggested Auto Tech Schedule

| 1st Year Engine Performance   |  |       |      |
|---|--|-------|------|
|   | Fall Quarter   | UNITS | Days |
| 12 weeks  | Auto 60 Automotive Electrical Systems                    | 9     | M/W  |
|   | Winter Quarter   |       |      |
| 1st 6 weeks   | Auto 60A Electrical Schematic Diagnosis                  | 4.5   | M/W  |
| 2nd 6 weeks   | Auto 60B Automotive Electronics                          | 4.5   | M/W  |
| 12 weeks  | Auto 53A Automotive Mechanisms                           | 3     | T/TH |
|   | Spring Quarter   |       |      |
| 12 weeks  | Auto 60C Automotive Ignition, Fuel, and Emission Systems | 9     | M/W  |
| First year auto tech courses are available Monday and Wednesday Evenings from 6PM to 10:15PM  |  |       |      |
| 2nd Year Advanced Engine Performance  |  |       |      |
|   | Fall Quarter   | UNITS | Days |
| 1st 6 weeks   | Auto 60 D Ignition Analysis and Oscilloscope Diagnosis   | 4.5   | T/TH |
| 2nd 6 weeks   | Auto 60E Automotive Fuel Injection                       | 4.5   | T/TH |
|   | Winter Quarter   |       |      |
| 1st 6 weeks   | Auto 60F No Start Diagnosis                              | 4.5   | T/TH |
| 2nd 6 weeks   | Auto 60C Advanced Automotive Scan Tool Diagnosis         | 4.5   | T/TH |
|   | Spring Quarter   |       |      |
| 1st 6 weeks   | Auto 60H Advanced Drivability and Onboard Diagnosis      | 4.5   | T/TH |
| 2nd 6 weeks   | Auto 60J Advanced Lab Scope and Waveform Diagnosis       | 4.5   | T/TH |
| Second year auto tech courses are available Tuesday and Thursday Evenings from 6PM to 10:15PM |  |       |      |

Degrees and  
Certificates

Auto 53A, 60, 60A, & 60B  
Certificate of Achievement  
**Basic Engine  
Performance Technology**  
(21 Units, GE not required)

Auto 60C, 60D, & 60E  
Certificate of Achievement  
**Intermediate Engine  
Performance Technology**  
(18 units, GE not required)

Auto 60F, 60G, 60H, & 60J  
Certificate of Achievement  
**Advanced Engine  
Performance Technology**  
(18 Units GE not required)

Complete all of the 57 units above to receive:  
**Certificate of Achievement Advanced  
Performance Technology \***  
\* Math and English Eligibility Requirements

Add: GE (31-42 units) and receive:  
A.S. Degree  
**Advanced Engine  
Performance Technology**

Certificate of Achievement Advanced:  
Advanced Engine Performance Technology

Associate of Science Degree:  
Advanced Engine Performance Technology