

# DIESEL MECHANICS

## LONG BEACH CITY COLLEGE Curriculum Guide for Academic Year of 2009-2010 Certificate of Achievement and/or Associate in Science

ALL INFORMATION CONTAINED HEREIN IS SUBJECT TO CHANGE WITHOUT NOTICE.



For possible updates to this guide please refer to the following website: <http://osca.lbcc.edu>

### CAREER OPPORTUNITIES

Students prepare for entry-level jobs in the diesel mechanics/heavy equipment industry.

### DEPARTMENTAL ADMISSION REQUIREMENTS

None. For more departmental information call (562) 938-3071 or 938-3054.

	Students pursuing an Associate Degree for this field of concentration need to select from specific courses in general education disciplines. For a complete listing of courses or disciplines, refer to the Associate Degree information section of this guide OR view the guide online at <a href="http://osca.lbcc.edu">http://osca.lbcc.edu</a> .	
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### REQUIRED COURSES

**UNITS**      In Progress      Completed Grade

#### REQUIRED CORE COURSES FOR BOTH OPTIONS:

CAOTC 31A	Microsoft Windows Operating System, Beginning	1		
CAOTT 200A	Beginning Typing/Keyboarding 1	1		
DIESL 391B	Heavy Equipment Electrical Systems	5		
<b>Subtotal Units</b>		<b>7</b>		

#### COMPLETE OPTION 1 OR OPTION 2

##### OPTION 1:

AMECH 424	Automotive Air Conditioning	3		
DIESL 281	Detroit Diesel Engines	10		
DIESL 282	Cummins Four Cycle Engine	10		
† DIESL 283	Powered Systems	10		
† DIESL 284	Highway Transport	10		
<b>Subtotal Units</b>		<b>43</b>		
<b>TOTAL UNITS FOR OPTION 1</b>		<b>50</b>		

##### OPTION 2:

AMECH 424	Automotive Air Conditioning	3		
DIESL 289	Caterpillar 3406 & 3116 Engine	10		
DIESL 290	C.A.T Transmissions & Final Drive	10		
DIESL 291	C.A.T. Hydraulics	10		
DIESL 292	C.A.T. Chassis & Electrical	10		
<b>Subtotal Units</b>		<b>43</b>		
<b>TOTAL UNITS FOR OPTION 2</b>		<b>50</b>		

### LEGEND

† This course has a prerequisite; prerequisite courses must be completed with at least a "C" or "P" grade (see catalog or schedule of classes)

**RECOMMENDED COURSES but not required:**

For Option 1:

WELD 400AD	Welding (General)	2	<input type="text"/>	<input type="text"/>
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For Option 2:

WELD 460AD	Welding (Acetylene Gas)	2	<input type="text"/>	<input type="text"/>
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**GRADUATION REQUIREMENTS**

**For CERTIFICATE OF ACHIEVEMENT:**

This certificate is a one to two year program in occupational/technical areas at Long Beach City College which provides training in job skills and employment opportunities. Complete the required units listed above with a minimum grade point average of 2.0 ("C" average). Fifty percent (50%) or more of the unit requirements for this field of concentration must be completed in residence (credit earned by exam, where applicable, may be included).

**For ASSOCIATE IN SCIENCE DEGREE:**

**NOTE: Effective Fall 2009, Title 5, section 55063 (a) (2) requires that students must complete each course counted toward the major or area of emphasis with a grade of "C" or better or "P" if the course is taken on a "Pass/No Pass" basis.**

The Associate Degree is a two-year college degree awarded by Long Beach City College which includes general education courses and a major. In addition to the requirements for this Certificate of Achievement, complete the A. A. degree requirements specified in the catalog. The requirements for general education/proficiency and the field of concentration need to be from the same catalog year. This catalog year may be any year between the year of initial enrollment to the present, provided continuous enrollment is maintained throughout (see the catalog for definition of "continuous enrollment"). Fifty percent (50%) or more of the unit requirements for this field of concentration must be completed in residence (credit earned by exam, where applicable, may be included).



**Required for the Communication & Analytical Thinking requirement:**

† Math Requirement: Math 120, Math 130, Math 130A **OR** a more advanced level of Mathematics.



**Recommended for the Natural Sciences requirement:**

Environmental Science 1, Energy for the Future, **OR** † Chemistry 2.

**NOTE:** To receive a certificate or degree you must submit completed application forms in the Admissions and Records Office during your final semester of course work.

In general, "double-counting" is not allowed. That is, one course may not be used to fulfill both a field of concentration requirement and to fulfill a general education requirement.

**Students interested in transferring to a university to continue their study in this field of concentration or other majors are strongly advised to consult an LBCC academic counselor and refer to the ASSIST website ([www.assist.org](http://www.assist.org)) for major preparation information. Counselors can clarify the different major and admissions requirements at a university. Students may visit the Student Success/Transfer Services Center to access further educational resources. If you need to set up an appointment to see a counselor or schedule the SOAR Test, call LAC (562)938-4561 or PCC (562)938-3920.**