Diesel Technology
Associate in Applied Science

Minimum of 63 credit hours

Studying Diesel Technology gives you the opportunity to immediately enter the workforce as a diesel service technician and mechanic. Diesel service technicians and mechanics repair and maintain diesel engines that include trucks, locomotives, buses, personal passenger vehicles and construction equipment. If you’ve got an interest in heavy machinery and how it works, then this is the career for you. It’s all about using a variety of high-powered tools and intricate computer systems to maintain, diagnose and repair these engines and equipment. This degree will prepare you for immediate entry into the workforce as a diesel service technician and mechanic. Major hours for this program are completed through successful completion of A.S.E. Prior Learning Assessment.

Course Sequence

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Name</th>
<th>Credits</th>
<th>Type</th>
<th>Min Gd</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT 1013</td>
<td>AUTOMOTIVE STUDENT SUCCESS INITIATIVE</td>
<td>3</td>
<td>Life Skills</td>
<td></td>
</tr>
<tr>
<td>ENGL 1113</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
<td>Gen Ed</td>
<td></td>
</tr>
<tr>
<td>CS 1103</td>
<td>INTRODUCTION TO COMPUTERS AND APPLICATIONS</td>
<td>3</td>
<td>Support</td>
<td></td>
</tr>
<tr>
<td>GEN ED</td>
<td>GEN ED ELECTIVE</td>
<td>3</td>
<td>Gen Ed</td>
<td></td>
</tr>
<tr>
<td>POLSC 1113</td>
<td>AMERICAN FEDERAL GOVERNMENT</td>
<td>3</td>
<td>Gen Ed</td>
<td></td>
</tr>
<tr>
<td>BUS 2033</td>
<td>BUSINESS COMMUNICATION</td>
<td>3</td>
<td>Support</td>
<td></td>
</tr>
<tr>
<td>GEN ED</td>
<td>GEN ED ELECTIVE</td>
<td>3</td>
<td>Gen Ed</td>
<td></td>
</tr>
<tr>
<td>OSRHE</td>
<td>OSRHE APPROVED GENERAL EDUCATION</td>
<td>3</td>
<td>Gen Ed</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMMUNICATIONS COURSE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 1483</td>
<td>U.S. HISTORY TO THE CIVIL WAR</td>
<td>OR</td>
<td>Gen Ed</td>
<td></td>
</tr>
<tr>
<td>HIST 1493</td>
<td>U.S. HISTORY SINCE THE CIVIL WAR</td>
<td>3</td>
<td>Gen Ed</td>
<td></td>
</tr>
<tr>
<td>MATH</td>
<td>ANY 1000 LEVEL MATH COURSE</td>
<td>3</td>
<td>Support</td>
<td></td>
</tr>
<tr>
<td>MGMT 2053</td>
<td>PRINCIPLES OF MANAGEMENT</td>
<td>3</td>
<td>Support</td>
<td></td>
</tr>
<tr>
<td>GEN ED</td>
<td>GEN ED ELECTIVE</td>
<td>3</td>
<td>Gen Ed</td>
<td></td>
</tr>
<tr>
<td>PLA</td>
<td>PRIOR LEARNING ASSESSMENT</td>
<td>28</td>
<td>Major</td>
<td></td>
</tr>
</tbody>
</table>

Program Notes

Notes: This Technical and Occupational program is designed to prepare students to enter the job force following completion. See Technical and Occupational Programs in the general information section of the catalog.

Prior Learning Assessment (PLA) is contingent upon successful completion of the national ASE Medium Heavy Truck Certification Tests T1-8, and meeting resident credit hour requirements.
AT 1013 - AUTOMOTIVE STUDENT SUCCESS INITIATIVE
Prerequisites: None
3 Credits Students will participate in four disciplines designed to prepare students to be successful in automotive programs requiring internships. Students will be required to complete the Automotive Safety, Job Interview Skills, Mentoring, and Introduction to Electricity courses. The student must successfully complete the safety course consisting of specific automotive related safety issues as well as those specific to Oklahoma City Community College. The student will continue with a Job Interview Skills course consisting of writing a resume and how to conduct a successful interview, with a mock video taped interview being required. The student will also complete the Mentoring program with both student and sponsoring dealership personnel participating. The student will finally complete an Introduction to Electricity course to ensure basic concepts and abilities are present to ensure entry level skills are present when the student begins the Automotive Program. This course is a prerequisite for all automotive courses in programs requiring an internship.

BUS 2033 - BUSINESS COMMUNICATION
Prerequisites: ENGL 1113 or by evaluation. Criteria for evaluation is in division office.
3 Credits Business Communication is a survey course of communication skills needed in the business environment. Course content includes business writing such as e-mail, memos, letters, reports, employment communication, and other types of digital media; delivering oral presentations; and developing interpersonal soft skills. Critical thinking and problem solving skills are emphasized. Development of these skills is integrated with the use of technology.

CS 1103 - INTRODUCTION TO COMPUTERS AND APPLICATIONS
Prerequisites: Math 0103 or adequate math placement test score; ENGL 0203, adequate placement score, or by meeting determined placement measures
3 Credits This hands-on course affords students a basic understanding of computers and their application. Upon completion of this course, the student will be able to demonstrate the ability to use a computer operating system, an office suite, productivity tools, as well as the Internet at an introductory level. Advanced Standing is available.

ENGL 1113 - ENGLISH COMPOSITION I
Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures
3 Credits The student will write well-developed compositions which demonstrate the principles of unity, coherence, and organization and which contain specific details and vivid language. The students will locate library material and incorporate researched materials into compositions.

GEN ED - GEN ED ELECTIVE
Prerequisites: 3 Credits General Education elective

HIST 1483 - U.S. HISTORY TO THE CIVIL WAR
Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures
3 Credits After analyzing events in American history from 1400 to 1870 in such areas as revolution, geographic and social mobility, political reform, government precedents and war, the student will be able to identify patterns of present day mobility, describe governmental operations in his society and help resolve conflict in society based on the students search for change, precedents, and conflict in the American past.

HIST 1493 - U.S. HISTORY SINCE THE CIVIL WAR
Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures
3 Credits After analyzing events in American history from 1870 to the present in such areas as political reform, industrialization, urbanization, ethnic acculturation and war, the student will be able to identify meaningful changes in his society, identify equal rights in that society, and help resolve conflict in this society based on the students search for change, equal rights and conflicts in the American past.

MATH - ANY 1000 LEVEL MATH COURSE
Prerequisites: With appropriate prerequisite.
3 Credits Any 1000 level Mathematics course

MGMT 2053 - PRINCIPLES OF MANAGEMENT
Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures.
3 Credits This course introduces the fundamental principles of management including the management functions of planning, organizing, leading and controlling. The course includes an overview of theory and history of management as well as an introduction to the various roles of management within an organization.

OSRHE - OSRHE APPROVED GENERAL EDUCATION COMMUNICATIONS COURSE
Prerequisites: 3 Credits OSRHE approved General Education Communications course

PLA - PRIOR LEARNING ASSESSMENT
Prerequisites: None

VARIABLE Credits

POLSC 1113 - AMERICAN FEDERAL GOVERNMENT
Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures
3 Credits A study of the principles, structure, processes and functions of the United States federal government.