Industrial Services New Certificate Program
Commercial and Residential Maintenance
Effective Date: Fall 2011

Jones County Junior College will offer a new certificate program, Commercial and Residential Maintenance, beginning fall 2011.

(printed catalog page 195 insert the following information prior to Commercial Truck Driving)

COMMERCIAL AND RESIDENTIAL MAINTENANCE

Purpose
The purpose of the two-semester Commercial and Residential Maintenance program is to prepare individuals for employment in general maintenance and repair work of light commercial and residential establishments.

Program Description
The program is a combination of classroom and hands-on training in maintaining and repairing heating and cooling systems, ice machines, refrigerators, electrical, plumbing, welding, and building components using federal, state, and local codes and regulations. Students will learn to apply fundamental maintenance skills, blueprint reading, math and a variety of troubleshooting techniques which comply with regulatory building codes.

Program Length
Two semesters

Degree(s) Offered
Certificate

Admission Requirements
• Must meet all general admission requirements of the college.
• Must have good manual dexterity, arm-hand steadiness, near vision, active listening, and information ordering skills.
• Receive a negative test result on drug screen test conducted by a certified laboratory and have the results submitted directly to the college.

Applicants who do not hold a regular high school diploma or GED may qualify by one of the following:
1. An Occupational Diploma from an accredited high school, or
2. Proof of “Ability to Benefit” (ATB) and proof of age.

Contact
The Student Success Center - Jones County Junior College at 601-477-4257 or Admissions Counselor: Brad Harrison at 601-477-4245 or brad.harrison@jcjc.edu.
**Day Class Tardies**
Students who arrive after class begins are charged with a tardy. Three tardies constitute one absence. Students missing more that 10 minutes of class will be charged with an absence.

**Commercial and Residential Maintenance**

**First Semester**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRM 1112 Fundamentals of Maintenance</td>
<td>2</td>
</tr>
<tr>
<td>CRM 1121 Maintenance Regulations</td>
<td>1</td>
</tr>
<tr>
<td>CRM 1133, Math and Blueprint</td>
<td>3</td>
</tr>
<tr>
<td>CRM 1214, Carpentry</td>
<td>4</td>
</tr>
<tr>
<td>CRM 1313, Masonry</td>
<td>3</td>
</tr>
<tr>
<td>CRM 2912, Special Projects</td>
<td>2</td>
</tr>
<tr>
<td>LLS 1312, Freshman Orientation</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td>17</td>
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**Second Semester**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CRM 1615 Heating, Ventilating, and Air Conditioning</td>
<td>5</td>
</tr>
<tr>
<td>CRM 1414 Plumbing</td>
<td>4</td>
</tr>
<tr>
<td>CRM 1514 Electrical</td>
<td>4</td>
</tr>
<tr>
<td>CRM 1712 Special Problems in Welding</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

Students who lack entry level skills in English, Math, Science, etc. will be provided related studies.

**COURSE DESCRIPTIONS**

(printed catalog page 229 insert the following information prior to Commercial Truck Driving)

**CRM 1112**-- Fundamentals of Maintenance Services -- Emphasis on basic concepts and practices in the maintenance programs for commercial and residential facilities including scheduling, work order systems, workforce management, inventory control, and safety and right-to-know programs. Two semester credit hours: one hour lecture and two hours lab

**CRM 1121**--Maintenance Regulations-- Basic information on the various federal, state, and local regulations agencies that govern maintenance operations and practices, including Occupational and Safety Health Act (OSHA), Environmental Protection Agency (EPA), and American with Disabilities Act (ADA). One semester credit hour: two hours lab

**CRM 1133**--Mathematics and Blueprint Interpretation-- Basic instruction in mathematics and the methods of interpreting information and the relationship of details and sections to an overall blueprint utilizing scale drawings, symbols, abbreviations, floor plans, elevations, and specifications tables. Three semester credit hours: one hour lecture and four hours lab
CRM 1214—Carpentry—Basic course in carpentry skills required to perform building maintenance activities. Covers the installation methods and materials available to make repairs to building structures using accepted trade practices. Four semester credit hours: one hour lecture and six hours lab

CRM 1222—Surface Finishes—Various techniques and processes of surface cleaning, preparation, and repair. Two semester credit hours: one hour lecture and two hours lab

CRM 1313—Masonry—Techniques of brick, block, and ceramic tile laying and repair processes to include safety practices. Three semester credit hours: one hour lecture and four hours lab

CRM 1414—Plumbing—Basic design, function, maintenance, repair, and replacement of all types of light commercial and residential plumbing fixtures. Four semester credit hours: one hour lecture and six hours lab

CRM 1432—Landscape Irrigation—Basic use of irrigation in residential and light commercial applications. Sprinkler designs and plans, practices, equipment, and maintenance for single-family dwellings, light commercial buildings, and apartment/townhouse complexes. Two semester credit hours: one hour lecture and two hours lab

CRM 1514—Electrical—Basic electrical diagnosis and repair techniques including basic circuit theory, safety and grounding essentials, wiring systems, circuitry, and electrical troubleshooting. Four semester credit hours: one hour lecture and six hours lab

CRM 1615—Heating, Ventilating, and Air Conditioning (HVAC)—Basic principles, operation, maintenance, and repair of heating, ventilation, air conditioning, ice machines, and refrigerators in residential and light commercial buildings. Five semester credit hours: one hour lecture and eight hours lab

CRM 1712—Special Problems in Welding—Basic course in the development of welding skills in the safe use of the oxyfuel and arc welding techniques. Three semester credit hours: one hour lecture and four hours lab

CRM 2912—Special Projects—Practical application of skills and knowledge gained in other building maintenance courses. The instructor works closely with the student to insure that the selection of a project will enhance the student’s learning experience. Two semester credit hours: one hour lecture and two hours lab.