

**West Hills College Coalinga  
Advisory Committee Minutes**

May 2016

<b>Program:</b> <i>Heating, Ventilating, and Air Conditioning</i>	<b>Program Contact:</b> <i>Clint Cowden</i>	
<b>Degrees/ Certificates Discussed:</b> <i>Certificate of Achievement HVAC</i>	<b>Recommended Changes:</b> <i>New Certificate Program</i>	<b>Equipment/ Software Discussed (Perkins):</b> <i>Noted below</i>
<b>New Curriculum Approved for Implementation:</b> <i>Approval of the following additions:</i> <i>Certificate of Achievement in Heating, Ventilating, and Air Conditioning Technology</i> <i>HVAC Level I</i> is an introduction to include practical trade mathematics, basic electricity, basic heating and cooling, and air distribution systems. <i>HVAC Level II</i> is an intermediate course to cover alternating current, compressors, refrigerants and oils, basic maintenance and duct systems. <i>HVAC Level III</i> is an intermediate course to include practical and theoretical training in Fasteners, Hardware, Wiring terminations, Control Circuit and Motor Troubleshooting. This course also includes troubleshooting cooling, heat pumps, gas heating, oil heating, and accessories. <i>HVAC Level IV</i> is an advanced course to include water treatment, indoor air quality, energy conservation equipment, building management systems, system air balancing, system startup and shutdown, construction drawings and specifications, system design, commercial/industrial refrigeration systems, alternative and specialized heating and cooling systems, and fundamentals of crew leadership. <i>IMT060</i> provides basic skills in industrial, welding and agricultural industries including safety, hand and power tools, construction concepts, rigging, and materials handling.		
<b>Notes: Add any comments about courses, skills needed, and equipment needed for the program.</b> 1. Approval of materials and equipment on attached sheet 2. Program is needed by Central Valley processing plants and food related industries for plant operations. Shortage of workers that know refrigeration systems and heating systems for citrus and nut processing. 3. Program was approved		
<b>Program(s) Currency:</b> Not Applicable		
<b>Key Employers for Internship/ Employment:</b>  Wonderful, Tomatek, Harris Fresh	<b>Advisory Committee Membership</b>  Rick Valenzuela; Scott Mahan; Tim Hutcheson; Doug Stanley	

West Hills Community College District

**West Hills College Coalinga  
Virtual Advisory Board Meeting - HVAC  
February 15, 2018**

**AGENDA**

- 6:30pm Review of Strategic Plan Survey / Presentation of draft 2018 – 2023 Strategic Plan
- Overview of development of strategic plan
  - Objectives and focus for next 5 years
- 6:40 Review of HVAC program proposal and equipment
- 7:00 Input on:
- Need and requirements for the program
  - course content
  - equipment and resources
  - Approvals of new courses
  - Approval of new programs
- 7:30 Instructions and Adjournment
- Representatives need to complete Advisory Committee Minutes forms and send them to: [terrybrase@whccd.edu](mailto:terrybrase@whccd.edu)

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Advisory Committee Minutes**

<b>Program:</b> <i>Heating, Ventilating, and Air Conditioning</i>	<b>Program Contact:</b>	2/15/18
<b>Degrees/ Certificates Discussed:</b> <i>Certificate of Achievement HVAC</i>	<b>Recommended Changes:</b> <i>New Certificate Program</i>	<b>Equipment/ Software Discussed (Perkins):</b> <i>Noted below</i>
<p><b>New Curriculum Approved for Implementation:</b>  <i>Approval of the following additions:</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <i>Certificate of Achievement in Heating, Ventilating, and Air Conditioning Technology</i></li> <li><input type="checkbox"/> <i>HVAC Level I</i> is an introduction to include practical trade mathematics, basic electricity, basic heating and cooling, and air distribution systems.</li> <li><input type="checkbox"/> <i>HVAC Level II</i> is an intermediate course to cover alternating current, compressors, refrigerants and oils, basic maintenance and duct systems.</li> <li><input type="checkbox"/> <i>HVAC Level III</i> is an intermediate course to include practical and theoretical training in Fasteners, Hardware, Wiring terminations, Control Circuit and Motor Troubleshooting. This course also includes troubleshooting cooling, heat pumps, gas heating, oil heating, and accessories.</li> <li><input type="checkbox"/> <i>HVAC Level IV</i> is an advanced course to include water treatment, indoor air quality, energy conservation equipment, building management systems, system air balancing, system startup and shutdown, construction drawings and specifications, system design, commercial/industrial refrigeration systems, alternative and specialized heating and cooling systems, and fundamentals of crew leadership.</li> <li><input type="checkbox"/> <i>IMT060</i> provides basic skills in industrial, welding and agricultural industries including safety, hand and power tools, construction concepts, rigging, and materials handling.</li> </ul>		
<p><b>Notes: Add any comments about courses, skills needed, and equipment needed for the program.</b></p> <p>Thermal Camera  Duct blaster  Blower Door  Air flow hood  See Snake</p>		
<p><b>Program(s) Currency:</b>  New Program- Approved</p>		
<b>Key Employers for Internship/ Employment:</b>  Rick Valenzuela	<b>Advisory Committee Membership</b>	

West Hills Community College District

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<b>Program:</b> <i>Heating, Ventilating, and Air Conditioning</i>	<b>Program Contact:</b> <i>Terry Brase</i>	2/15/2018
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<p><b>New Curriculum Approved for Implementation:</b>  <i>Approval of the following additions:</i>  <i>x Certificate of Achievement in Heating, Ventilating, and Air Conditioning Technology</i>  <i>x HVAC Level I</i> is an introduction to include practical trade mathematics, basic electricity, basic heating and cooling, and air distribution systems.  <i>x HVAC Level II</i> is an intermediate course to cover alternating current, compressors, refrigerants and oils, basic maintenance and duct systems.  <i>x HVAC Level III</i> is an intermediate course to include practical and theoretical training in Fasteners, Hardware, Wiring terminations, Control Circuit and Motor Troubleshooting. This course also includes troubleshooting cooling, heat pumps, gas heating, oil heating, and accessories.  <i>x HVAC Level IV</i> is an advanced course to include water treatment, indoor air quality, energy conservation equipment, building management systems, system air balancing, system startup and shutdown, construction drawings and specifications, system design, commercial/industrial refrigeration systems, alternative and specialized heating and cooling systems, and fundamentals of crew leadership.  <i>x IMT060</i> provides basic skills in industrial, welding and agricultural industries including safety, hand and power tools, construction concepts, rigging, and materials handling.</p>		
<p><b>Notes: Add any comments about courses, skills needed, and equipment needed for the program.</b>                  We need people that understand venting, ductwork and blower fans, along with temperature regulation.</p>		
<p><b>Program(s) Currency:</b>                  New Program-Approved</p>		
<p><b>Key Employers for Internship/ Employment:</b>                  Harris Wolf</p>	<p>Tom Carter</p>	<p><b>Advisory Committee Membership</b></p>

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<b>New Curriculum Approved for Implementation:</b> <i>Approval of the following additions:</i> <ul style="list-style-type: none"> <li><input type="checkbox"/> <i>Certificate of Achievement in Heating, Ventilating, and Air Conditioning Technology</i></li> <li><input checked="" type="checkbox"/> <i>HVAC Level I</i> is an introduction to include practical trade mathematics, basic electricity, basic heating and cooling, and air distribution systems.</li> <li><input checked="" type="checkbox"/> <i>HVAC Level II</i> is an intermediate course to cover alternating current, compressors, refrigerants and oils, basic maintenance and duct systems.</li> <li><input checked="" type="checkbox"/> <i>HVAC Level III</i> is an intermediate course to include practical and theoretical training in Fasteners, Hardware, Wiring terminations, Control Circuit and Motor Troubleshooting. This course also includes troubleshooting cooling, heat pumps, gas heating, oil heating, and accessories.</li> <li><input type="checkbox"/> <i>HVAC Level IV</i> is an advanced course to include water treatment, indoor air quality, energy conservation equipment, building management systems, system air balancing, system startup and shutdown, construction drawings and specifications, system design, commercial/industrial refrigeration systems, alternative and specialized heating and cooling systems, and fundamentals of crew leadership.</li> <li><input checked="" type="checkbox"/> <i>WMT060</i> provides basic skills in industrial, welding and agricultural industries including safety, hand and power tools, construction concepts, rigging, and materials handling.</li> </ul>		
<b>Notes: Add any comments about courses, skills needed, and equipment needed for the program.</b> <b>program was approved</b>		
<b>Program(s) Currency:</b> New Program; Approved		
<b>Key Employers for Internship/ Employment:</b>	Advisory Committee Membership <i>Garza's A/C &amp; Heating INC.</i> 2-15-18 	