

# Career and Technical Education Pathway Program of Study

College Name Forsyth Technical Community College (834) Effective Term: **Spring 2012**  
 Curriculum Code: D35100P1 Curriculum Title Air Cond, Heating, and Refrigeration Tech (Diploma)  
 Contact Person: Cheri Silverman Email: [csilverman@forsythtech.edu](mailto:csilverman@forsythtech.edu) Phone (336) 734-7446

*Created from state level approved Program of Study effective 2011FA; Cheri Silverman, PDA*

GENERAL EDUCATION COURSES (certificate general education is optional)				
Course Prefix/Num	Course Title			
<u>ENG 111</u>	<u>1997*02 Expository Writing</u>	<u>3 0 0 3</u>	<u>SHC</u>	
<u>MAT 115</u>	<u>2005*02 Mathematical Models</u>	<u>2 2 0 3</u>	<u>SHC</u>	
<b>Total SHC for General Education Courses:</b>		<b>6</b>	<b>SHC</b>	
CORE COURSES				
Course Prefix/Num	Course Title			
<u>AHR 110</u>	<u>1997*02 Intro to Refrigeration</u>	<u>2 6 0 5</u>	<u>SHC</u>	
<u>AHR 111</u>	<u>1997*02 HVACR Electricity</u>	<u>2 2 0 3</u>	<u>SHC</u>	
<u>AHR 112</u>	<u>1997*02 Heating Technology</u>	<u>2 4 0 4</u>	<u>SHC</u>	
<u>AHR 113</u>	<u>1997*02 Comfort Cooling</u>	<u>2 4 0 4</u>	<u>SHC</u>	
<u>AHR 114</u>	<u>1997*02 Heat Pump Technology</u>	<u>2 4 0 4</u>	<u>SHC</u>	
<b>Total SHC for Core Courses:</b>		<b>20</b>	<b>SHC</b>	
OTHER MAJOR COURSES				
Course Prefix/Num	Course Title			
<u>AHR 130</u>	<u>1997*02 HVAC Controls</u>	<u>2 2 0 3</u>	<u>SHC</u>	
<u>AHR 160</u>	<u>1997*02 Refrigerant Certification</u>	<u>1 0 0 1</u>	<u>SHC</u>	
<u>AHR 210</u>	<u>1997*02 Residential Building Code</u>	<u>1 2 0 2</u>	<u>SHC</u>	
<u>AHR 211</u>	<u>1997*02 Residential System Design</u>	<u>2 2 0 3</u>	<u>SHC</u>	
<u>AHR 212</u>	<u>1997*02 Advanced Comfort Systems</u>	<u>2 6 0 4</u>	<u>SHC</u>	
<u>WLD 112</u>	<u>1997*02 Basic Welding Processes</u>	<u>1 3 0 2</u>	<u>SHC</u>	
<b>Total SHC for Other Major Courses:</b>		<b>15</b>	<b>SHC</b>	
OTHER REQUIRED COURSES				
Course Prefix/Num	Course Title			
<u>N/A</u>		<u>0</u>	<u>SHC</u>	
<b>Total SHC for Other Required Courses:</b>		<b>0</b>	<b>SHC</b>	
<b>Total SHC for Program</b>		<b>41</b>		

*By submitting and requesting approval for this Career and College Promise program of study, our college is verifying its capacity to teach all courses in the submitted program of study.*

*Dr. Gary M. Green, President*

*Dr. Conley F. Winebarger, VP, Instructional Services*

*Dr. Susan Q. Phelps, Dean, Educational Partnerships*

## NC Community College System Office Use Only

### Career Technical Education Pathway Program of Study (POS) Checklist

Effective Term: Spring 2012

College: Forsyth Technical Community College (834)

Program Title and Code: Air Cond, Heating, and Refrigeration Tech (Diploma)  
D35100P1

- |  |   |                             |                              |
|--|---|-----------------------------|------------------------------|
| 1. College already has State Board approval for the primary program.<br>(Verify in IIPS or Catalog)                                      | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                              |
| 2. The POS is either for a certificate or diploma (AAS programs should <u>not</u> be included.)  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                              |
| 3. POS is in compliance with the current curriculum standard.  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                              |
| 4. The POS contains at least 12 hours from the Core.   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                              |
| 5. If the POS is a diploma, it contains a minimum of 6 semester hours of general education (3 semester hours must be in communications). | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| 6. The POS contains specific course requirements. (i.e. no picklists)  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                              |
| 7. POS includes a statement verifying the college's capacity to teach all courses in the POS.  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                              |

Disapproved on \_\_\_\_\_ by \_\_\_\_\_  
Date Program Coordinator

Contact person was notified on \_\_\_\_\_ with the following issue(s) to be resolved:  
Date

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Approved on 12/5/11 by Frank Sculetta  
Date Program Coordinator