

## “Drawing Board” for a Tech Prep Program

<b>Technology CLUSTER</b>				
<i>Ohio High School</i>				
Subject	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
MATH	<b>Algebra I</b>	<b>Geometry</b>	Algebra II	Math IV
ENGLISH/ SPEECH	<b>English I</b>	<b>English II Speech</b>	<b>English III</b>	<b>English IV-Life Long Skills Honors English</b>
SCIENCE	<b>Biology</b>	Science Elective	Physics	Chemistry
SOCIAL STUDIES/ FINE ARTS	<b>World History</b>	World Geography	<b>US History</b>	<b>Government Consumer Education</b>
(COMPUTER) TECHNOLOGY	<b>Computer Tech I Computer Tech II</b>	Desktop Publishing Computer Tech III/IV	Desktop Publishing Computer Tech III/IV	Desktop Publishing Computer Tech III/IV
OTHER	<b>PE</b>	<b>PE</b>	<b>PE</b>	<b>PE</b>
OTHER				Senior Seminar

<b>Heating, Refrigeration, &amp; Air Conditioning (Career Major)</b>			
<i>Sauk Valley Community College</i>			
Freshman		Sophomore	
<b>MAT 106</b> or higher-3 hrs.			
	<b>ENG 101-</b> Composition I-3 hrs.		<b>ENG 111-</b> Business & Technical Communication - 3 hrs.
			<b>Physical/Life Science-4 hrs.</b>
		<b>Humanities/ Fine Arts-</b> 3 hrs.	
		<b>Social/ Behavioral Science-</b> 3 hrs.	
<b>PSY 100-</b> Orientation- 1 hr.	<b>HRS 120-</b> Design, Installation & Servicing- 3 hrs.		
<b>HRS 105-</b> Refrigeration Principles-3 hrs.	<b>HRS 130-</b> Basic Heating - 3 hrs.	<b>ENE 150-</b> Energy Audit-3 hrs.	<b>HRS 222-</b> Commercial Refrigeration-3 hrs.

TECHNICAL CORE	Business Concepts I Business Concepts II	Business Concepts I Business Concepts II	Accounting I & II	Accounting I & II
TECHNICAL CORE				
WACC OPPORTUNITY, INTERNSHIP EXP., DUAL CREDIT			WACC-Building & Construction Trades	

<b>HRS 114</b> -Sheet Metal Fabrication-3 hrs.	<b>HRS 160</b> -Heat Pumps 3 hrs.	<b>HRS 225</b> -Advanced Controls- 3 hrs.	
<b>ELT 160</b> -Fund. of Electricity- 3 hrs.	<b>HRS 170</b> -Hydronics- 3 hrs.	<b>HRS 260</b> -Installation- 3 hrs.  Electives: <b>ELT, EET, HRS</b> -3 hrs.	Electives: <b>ELT, EET, HRS</b> -3 hrs.
<b>IND 116</b> -Industrial Print Reading- 3 hrs.			
<b>HRS 100</b> - EPA Certification- .5 hrs.			<b>IND 250</b> -Industrial Internship- 3 hrs.

**Recommended High School Electives:**

Electricity, Industrial Technology, Welding courses

**Relevant Articulated/Dual Courses:**

**SVCC Associate in Applied Science Degree:**

**Heating, Refrigeration, and Air Conditioning**

**SVCC Certificate:**

**Heating, Refrigeration, and Air Conditioning- Entry Level Technician**

**Cluster Related Careers:**

Heating and Cooling Mechanic-\$ 41,000-43,200

Appliance Installers and Repairers-\$ 36,100-42,200

Small Engine Mechanics-\$ 26,280-31,800