CAREER EDUCATION SANTA ROSA JUNIOR COLLEGE

Agenda
Residential Heating, Ventilation, Air Conditioning and Refrigeration (HVACR)
Career Education Industry Advisory Committee

Friday, May 2, 2025 10:30 AM – 12 PM
SRJC Petaluma Campus 680 Sonoma Mtn. Parkway
Construction Training Center, Building 1400

Purpose: The primary purpose of the residential HVACR program advisory committee is to support SRJC in establishing and offering a career education program that serves the needs of students, industry, and the community.

Objectives:

- Providing industry input on curriculum, technology, facilities, budget, student learning objectives, and student job placement
- Provide a forum for discussion and alignment among educators and industry representatives

Time	Topic	Item Type	Responsible Person	Notes
10:30 AM	Call to Order	Action	Kimberly Beltran	
10:35 AM	Welcome and Introductions	Information	All	Name, company, and what motivates you to serve on this committee?
10:45 AM	Public Comments	Information	All	Comments from the general public
10:50 AM	HVACR Program and Construction Training Center Status Update	Information	Benjamin Goldstein	Update on status and timeline for HVACR Program; Construction Training Center facility; instructor recruitment; industry and Union partnerships; etc.
11:00 AM	Status of Residential HVACR Industry	Discussion	All	Discuss workforce needs; technology trends; regulatory changes; and consumer preferences. What will residential HVACR techs need to know in the next 5 years?
11:20 AM	Program Promotion and Student Outreach	Discussion	All	What channels and mechanisms does the Committee recommend for getting word out about the SRJC HVACR Program? Industry newsletters; trade associations, etc.
11:30 AM	SRJC HVACR Equipment and Training Aides	Information; Discussion; Action	All	Identify tools and equipment needs based on industry trends. Hand and power tools; diagnostic equipment; types of heating and A/C equipment.
12:00 PM	Adjournment	Action		Identify timeframe for next meeting

SRJC Residential HVACR Industry Advisory Committee Membership					
First Name	**Last Name**	**Title**	**Company**	**Email**	**Notes**
Kimberly	Beltran	Technical Programs Manager	Sonoma Clean Power	kbeltran@sonomacleanpower.org	Committee Chair
John	Sutter	General Manager	Applied Building Science (ABS)	info@absnorthbay.com	Voting Member
Joe	Henry	Owner	Henry Mechanical	joe@henrymechanical.com	Voting Member
John	Petro	Senior Estimator/Project Manager	Simpson Sheet Metal	johnp@ssmhvac.com	Voting Member
Frank	Reardon	Business Agent	Local 38 Plumbers, Pipefitters, Steamfitters, HVACR	freardon@ualocal38.org	Voting Member
Felicia	Smith	Director of Programs	Sonoma Clean Power	fsmith@sonomacleanpower.org	Guest
John	Kaloyeros	HVACR Instructor	Local 38	jkaloyeros@ualocal38.org	Guest
Nicollette	Weinzveg	Director of Workforce Development and Education	North Coast Builders Exchange	Nicollette@ncbeonline.com	Guest
Brandon	Jewell	Director of Student Experience	CTE Foundation	bjewell@ctesonomacounty.org	Guest

SRJC Residential HVACR Fundamentals Certificate and Degree Programs			
Dept/Nbr	**Course Title**	**Term Effective**	**Units and Hours**
HVACR 101	Introduction to Residential HVACR	Fall 2024	3 Units. 2 hours lecture, 3 hours lab/week
Catalog Description: This course introduces students to the residential Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) industry. Topics such as HVACR mechanical and electrical systems, equipment, diagnostic tools, HVACR formulas and math, jobsite safety, and basic thermodynamics will be covered. Students will also learn about career opportunities, codes and regulations, and industry certification requirements for HVACR technicians.			
HVACR 102	Residential HVACR System Components	Fall 2024	3 Units. 2 hours lecture, 3 hours lab/week
Catalog Description: In this course, students will discover the electrical and mechanical components of residential heating and air-conditioning systems, including system controls, motors, compressors, refrigerants, and sensors. This course also prepares students for the EPA 608 examination for safe refrigerant handling.			
HVACR 103	Residential Heating, Airflow and Ventilation	Fall 2024	3 Units. 2 hours lecture, 3 hours lab/week
Catalog Description: In this course, students will learn about common residential heating systems, including heat pumps, furnaces, and boilers. Students also learn about airflow, ventilation, Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) system load calculations, and combustion analysis.			
HVACR 104	Air-Conditioning and Refrigeration Systems	Fall 2024	3 Units. 2 hours lecture, 3 hours lab/week
Catalog Description: In this course, students will learn about installation, commissioning, maintenance of residential air-conditioning systems, and maintenance and repair of foodservice refrigeration.			

Key	Course and Title	Units
Complete _12_ units from the following:		
R	HVACR 101 Introduction to HVACR	3.00
R	HVACR 102 Residential HVACR System Components	3.00
R	HVACR 103 Residential Heating, Airflow and Ventilation	3.00
R	HVACR 104 Air-Conditioning and Refrigeration Systems	3.00
Complete _6_ units from below:		
E	WEE 99I: Internship Work Experience Education	0.5-8.00
E	CONS 101: Introduction to the Construction Industry	3.00
E	CONS 102: Construction Practice and Technologies	3.00
E	ELEC 51A: Fundamentals of Electricity	3.00
E	E-Ship 115: Financial Basics and Cash Flow	3.00
E	BMK 50: Marketing	3.00
E	BMG 52: Business Communication	3.00
E	BMG 66.4: Project Management	1.50
E	BGN 81: Practical Business Math	3.00
E	CS 5: Computer Literacy	3.00
E	CS 61.11A: Microsoft Excel, Part 1	1.50
E	CS 61.11B: Microsoft Excel, Part 2	1.50
E	WELD 170: Beginning Welding	2.00
E	MACH 162: Blueprint Reading for Machine and Related Industries	3.00
Total	Minimum number of units to meet program requirements	18.00