



## Our Vision

Delivering systems solutions through unparalleled innovation and professional service is our mission.  
With imagination, passion and a proven track record, we not only advise, we listen.

VIEGA EDUCATIONAL FACILITY  
**One Company, One Partner, Delivering System Solutions**  
1800 Southwood Drive  
Nashua, NH 03063  
Phone 603.882.7171  
Fax 603.882.9292  
[www.viega.com](http://www.viega.com)



**2008**  
**TRAINING COURSE OFFERINGS**

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**TRAINING COURSE OFFERINGS**

## Training Rewards – Earn While You Learn

Viega offers a unique training rewards program, which is available to all individuals that qualify and choose to participate in the Viega learning experience. For every course or workshop that you sign up for, you'll earn a specific number of points good towards many outstanding rewards.

**For more information, call 603.882.7171 and speak to one of our Training Coordinators.**

## Course Offerings

Viega recommends referencing course descriptions before making a selection.

Course Name	Code	Duration	Pages
<b>ProRadiant</b>			
How to Sell Radiant	HS-W	Workshop	<b>Pages 3-6</b>
Hydronics 101	HU-5	1-Day	
Radiant	RU-5	1-Day	
Radiant Controls	RO-5C	1-Day	
Radiant Software	RO-5S	1-Day	
Radiant Design	RO-5D	1-Day	
Radiant Piping	RO-5P	1-Day	
Radiant Software & Design	RO-5S/D	2-Day	
Radiant & Climate Panel	RO-5R/CP	2-Day	
Radiant Piping & Controls	RO-5P/C	2-Day	
Integrated Heating Systems	IHSO-5	2-Day	
Radiant Design, Piping & Controls	RO-5D/P/C	3-Day	
<b>ProPress</b>			
Heavy Metals	HM-W	Workshop	<b>Page 6</b>
<b>PureFlow</b>			
PEX Plumbing	PU-5X	1-Day	<b>Page 7</b>
MANABLOC (McPherson, Kansas)	PU-5MB	1-Day	

Workshop	1-Day Class	2-Day Class	3-Day Class

## Our Mission

One Company, One Partner, Delivering System Solutions.

## Our Training Department

Viega's course offerings have been recognized by industry professionals as some of the most innovative, informative and interactive programs available today. We offer a comprehensive range of courses from half-day workshops to extensive three-day programs. Whether you are new to this industry or a seasoned professional, Viega offers courses designed to fit your needs.

With a knowledgeable training support staff having a background of more than 100 years in the plumbing, heating and customer service industry, Viega is confident your training experience with us will be a positive one! We pride ourselves on the professional and consistent format in which our training sessions are conducted. All of our training courses are interactive, fun and informative.

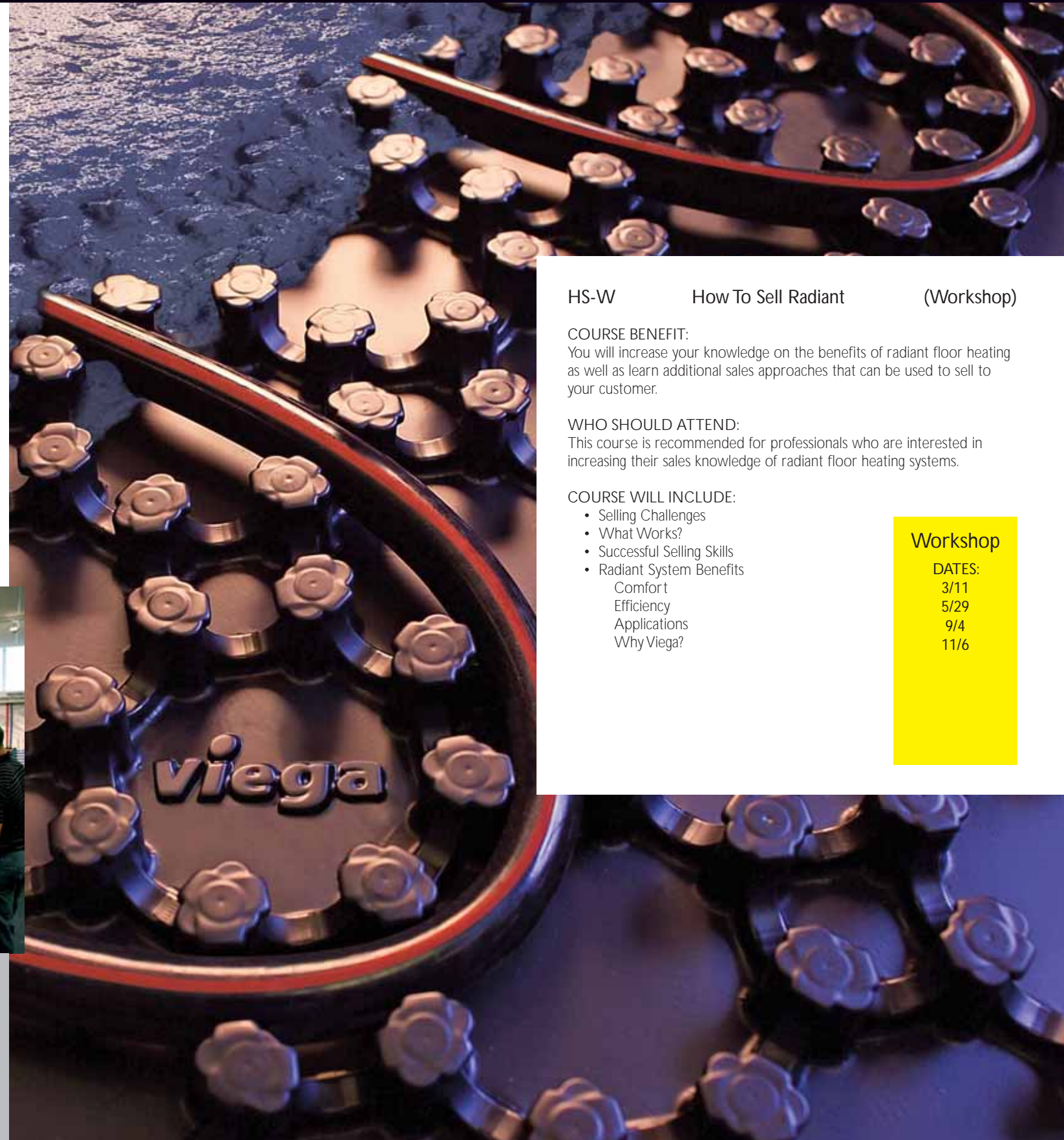
Having a true commitment to our partnerships with contractors, engineers, architects and wholesalers, Viega is dedicated to offering the best education in the industry at our educational facilities or in the field.



**Ask about CEU (Continuing Education Units) availability in your area.**

Viega Educational Facility  
1800 Southwood Drive  
Nashua, NH 03063

Viega Manufacturing Facility  
901 N.Vanguard Street  
McPherson, Kansas 67460



### HS-W How To Sell Radiant (Workshop)

**COURSE BENEFIT:**  
You will increase your knowledge on the benefits of radiant floor heating as well as learn additional sales approaches that can be used to sell to your customer.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals who are interested in increasing their sales knowledge of radiant floor heating systems.

- COURSE WILL INCLUDE:**
- Selling Challenges
  - What Works?
  - Successful Selling Skills
  - Radiant System Benefits
    - Comfort
    - Efficiency
    - Applications
    - Why Viega?

**Workshop**  
**DATES:**  
3/11  
5/29  
9/4  
11/6

**HU-5 Hydronics 101 (1-Day)**

**COURSE BENEFIT:**  
This course will provide you with an understanding of how Hydronic system components work as well as the different options that are available to you.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals with limited Hydronic experience.

**COURSE WILL INCLUDE:**

- Hydronic components
  - Piping materials
  - Boiler options
    - Atmospheric
    - Modulating
    - Condensing
  - DHW options
    - Gas
    - Electric
    - Indirect
  - Hydronic accessories

**1-Day**

**DATES:**  
3/4  
5/13  
8/19  
11/4

**RO-5C Radiant Controls (1-Day)**

**COURSE BENEFIT:**  
Viega offers a highly engineered, user-friendly approach to controlling a radiant system. Involvement includes set up of an outdoor reset control package in addition to control programming, wiring and troubleshooting functions utilizing Viega's control strategy.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals with more than five years of radiant experience or a combination of less than five years and completion of previous Viega training courses.

**COURSE WILL INCLUDE:**

- Control Strategy Options
- Outdoor Reset Controls
  - Heating Curve
  - Settings
  - Programming
- Supply Mixed Water Temperature Control
  - 3 Position Actuator
  - Modulating Safety High Limit
- Zoning
  - Thermostats
  - Powerheads
  - Zone Control
- Additional Control Options
  - Building Management Systems

**1-Day**

**DATES:**  
4/24  
10/9

**RO-5D Radiant Design (1-Day)**

**COURSE BENEFIT:**  
Learn to apply design and quotation strategies, as well as system specification options.

**WHO SHOULD ATTEND:**  
This course is ideal for architects and engineers who are involved in design layout and specification related to radiant and snowmelt applications. It is also recommended for professionals with a broad knowledge of radiant.

**COURSE WILL INCLUDE:**

- Complete System Design (Manual)
  - Radiant
  - Snowmelt
- Installation Practices
- Material Selection

**1-Day**

**DATES:**  
4/22  
10/7

**RO-5S/D Radiant Software and Design (2-Day)**

**COURSE BENEFIT:**  
Our state of the art, amphitheater style computer lab will enable you to get first-hand experience utilizing the most up to date Viega software release. Apply design and quotation strategies, as well as system specification options.

**WHO SHOULD ATTEND:**  
This course is ideal for architects and engineers who are involved in design layout and specification related to radiant and snowmelt applications. It is also recommended for professionals with a broad knowledge of radiant.

**COURSE WILL INCLUDE:**

- Establishing Desired Regional Settings
- Setting Local Construction Defaults
- Budget Quote Material Estimating
- Complete Radiant Project Design
- Reports and Submittals
- Complete System Design (Manual)
  - Radiant
  - Snowmelt
- Installation Practices
- Material Selection

**2-Day**

**DATES:**  
2/6-2/7  
3/19-3/20  
5/15-5/16  
6/19-6/20  
8/20-8/21  
9/24-9/25  
10/29-10/30  
11/5-11/6

**RU-5 Radiant (1-Day)**

**COURSE BENEFIT:**  
You will be introduced to Viega's many different product offerings, radiant philosophies, as well as basic skills necessary to complete a radiant design.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals with less than five years of radiant experience or anyone with limited knowledge of Viega's products and applications.

**COURSE WILL INCLUDE:**

- Basic Heat Transfer
- Advantages of Radiant
- How a Radiant Heating Systems Works
- Radiant Applications
  - Dry Systems
  - Wet Systems
- System Components
  - Mixing and Injection Stations
  - Controls
  - Zoning

**1-Day**

**DATES:**  
1/15 7/31  
2/5 8/20  
2/26 9/9  
3/18 9/30  
4/8 10/6  
4/21 10/21  
5/14 11/18  
6/18

**RO-5S Radiant Software (1-Day)**

**COURSE BENEFIT:**  
Our state of the art, amphitheater style computer lab will enable you to get first hand experience utilizing the most up to date Viega software release. Learn about software function, capabilities, design and quotation strategies.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals with more than five years of radiant experience or a combination of less than five years and completion of previous Viega training courses.

**COURSE WILL INCLUDE:**

- Establishing Desired Regional Settings
- Setting Local Construction Defaults
- Budget Quote Material Estimating
- Complete Radiant Project Design (Computer Assisted)
- Reports and Submittals

**1-Day**

**DATES:**  
4/25  
10/10

**RO-5P Radiant Piping (1-Day)**

**COURSE BENEFIT:**  
This course focuses on different piping arrangements which can be considered when piping a radiant system. Applications such as hybrid systems, multiple temperature piping arrangements, as well as system component placement will be covered.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals with more than five years of radiant experience or a combination of less than five years and completion of previous Viega training courses.

**COURSE WILL INCLUDE:**

- Piping Theory
  - Component Placement
  - Pressure Drop
  - Piping Arrangement Options
- Injection Station / Mixing Station
  - New and Retrofit Installation
- Valves
  - Diverging Valve
  - Mixing Valve

**1-Day**

**DATES:**  
4/23  
10/8

**RO-5R/CP Radiant and Climate Panel (2-Day)**

**COURSE BENEFIT:**  
You will be introduced to Viega's many different product offerings, radiant philosophies, as well as basic skills necessary to complete a radiant design. Learn the ideal installation techniques for a Climate Panel system.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals with more than five years of radiant experience or a combination of less than five years and completion of previous Viega training courses.

**COURSE WILL INCLUDE:**

- Basic Heat Transfer
- Advantages of Radiant
- How a Radiant Heating Systems Works
- Radiant Applications
  - Dry Systems
  - Wet Systems
- System Components
  - Mixing and Injection Stations
  - Controls
- Zoning
- Climate Panel System Design
  - Material Calculations
  - Panel Design
- Application Setup
  - Heated Area Preparation
  - Layout
  - Hands On Climate Panel Installation

**2-Day**

**DATES:**  
1/23-1/24  
3/5-3/6  
4/24-4/25  
6/10-6/11  
9/11-9/12  
10/29-10/30

**RO-5P/C Radiant Piping and Controls (2-Day)**

**COURSE BENEFIT:**  
This course focuses on different piping arrangements which can be considered when piping a radiant system. Applications such as hybrid systems, multiple temperature piping arrangements, as well as system component placement will be covered. Viega offers a highly engineered, user-friendly approach to controlling a radiant system. Involvement includes set up of an outdoor reset control package in addition to control programming, wiring and troubleshooting functions utilizing Viega's control strategy.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals with more than five years of radiant experience or a combination of less than five years and completion of previous Viega training courses.

**COURSE WILL INCLUDE:**

- Piping Theory
  - Component Placement
  - Pressure Drop
  - Piping Arrangement Options
- Injection Station / Mixing Station
  - New and Retrofit Installation
- Valves
  - Diverting Valve
- Mixing Valve Control Strategy Options
- Outdoor Reset Controls
  - Heating Curve Settings
  - Programming
- Supply Mixed Water Temperature Control
  - 3 Position Actuator
  - Modulating Safety High Limit
- Zoning
  - Thermostats, Powerheads, Zone Control
- Additional Control Options
  - Building Management Systems

**2-Day**  
**DATES:**  
 1/16-1/17  
 2/6-2/7  
 2/27-2/28  
 3/13-3/14  
 3/26-3/27  
 4/8-4/9  
 5/15-5/16  
 6/19-6/20  
 6/30-7/1  
 7/23-7/24  
 8/20-8/21  
 9/16-9/17  
 10/22-10/23  
 11/18-11/19

**IHSO-5 Integrated Heating Systems (2-Day)**

**COURSE BENEFIT:**  
This course will provide you with an understanding of how to optimize comfort and energy efficiency by integrating multiple heating sources/systems.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals with more than five years of radiant experience or a combination of less than five years and completion of previous Viega training courses.

**COURSE WILL INCLUDE:**

- Integrating Geothermal
  - Radiant Heating
  - Radiant Cooling
  - DHW
- Integrating Solar
  - Radiant Heating
  - DHW
- Integrating Water to Air Heating/Cooling Systems

**2-Day**  
**DATES:**  
 4/2-4/3  
 8/13-8/14  
 11/11-11/12

**RP-5DPC Radiant Design, Piping & Controls (3-Day)**

**COURSE BENEFIT:**  
This course is a combination of our Controls and Piping offering with the addition of various boiler and piping configurations. We will expand on additional control strategies incorporating various boiler applications.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals with a thorough understanding of radiant installations and applications.

**COURSE WILL INCLUDE:**

- Piping Theory
  - Component Placement
  - Pressure Drop
  - Piping Arrangement Options
- Injection Station / Mixing Station
  - New and Retrofit Installation
- Valves
  - Diverting Valve
- Mixing Valve Control Strategy Options
- Outdoor Reset Controls
  - Heating Curve Settings
  - Programming
- Supply Mixed Water Temperature Control
  - 3 Position Actuator
  - Modulating Safety High Limit
- Zoning
  - Thermostats
  - Powerheads
  - Zone Control
- Additional Control Options
- Building Management Systems
- Complete System Design (Manual)
  - Radiant
  - Snowmelt
- Installation Practices
- Material Selection

**3-Day**  
**DATES:**  
 2/19-2/21  
 3/5-3/7  
 3/18-3/20  
 5/20-5/22  
 6/10-6/12  
 9/10-9/12

**HM-W Heavy Metals (Workshop)**

**COURSE BENEFIT:**  
All attendees will learn installation and design of an alternative method of pipe joining allowing for fast and safe installation, showing you additional labor savings in almost all aspects of the installation.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals looking to further their knowledge of alternative piping methods.

**COURSE WILL INCLUDE:**

- Applications
  - Hydronics
  - Potable Water
  - Sprinkler Systems
  - Fuel Gas
- Sealing Elements
- Temperature & Pressure Ratings
- Tools

**Workshop**  
**DATES:**  
 3/11  
 10/1

**PU-5X PEX Plumbing (1-Day)**

**COURSE BENEFIT:**  
You will experience time and cost saving alternative methods of potable water system installations. You will become more familiar with various piping arrangements and proper installation of piping materials.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals to further their knowledge of alternative piping methods.

**COURSE WILL INCLUDE:**

- Tubing (PEX)
- Connection Methods
- Applications
  - Home Run
  - Branch and Tee Style
  - Hybrid
- Installation Methods
- System Sizing
- Codes and Approvals

**1-Day**  
**DATES:**  
 1/17  
 2/26  
 3/13  
 4/29  
 5/29  
 6/3  
 7/31  
 9/19  
 10/21  
 11/19



**PU-5MB MANABLOC (1-Day)**

**COURSE BENEFIT:**  
You will experience time and cost saving alternative methods of potable water system installations. You will become more familiar with various piping arrangements and proper installation of piping materials.

**WHO SHOULD ATTEND:**  
This course is recommended for professionals looking to further their knowledge of alternative piping methods.

**COURSE WILL INCLUDE:**

- Tubing (PEX)
- Connection Methods
- Applications
  - Home Run (MANABLOC)
  - Branch and Tee Style
  - Hybrid
- Installation Methods
- Manufacturing Plant Tour

**1-Day**  
**DATES:**  
 2/21  
 3/11  
 5/8  
 6/4  
 7/23  
 8/13  
 9/4  
 9/24  
 10/8  
 11/6

\* Location: Viega Training Center, McPherson, KS