

IGSHPA Installers Training Course PLUS* Schedule

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Day 1

7:30 am Continental Breakfast (provided)
8:00 am **Welcome** – A Preview of This Course
8:15 am **Lesson 1** - Introduction and Overview
9:45 am **Lesson 2** - Economics, Marketing, and the new Federal Tax Credits
10:00 am Break (provided)
10:15 am **Lesson 2** - Economics, Marketing, and the new Federal Tax Credits (continued)
10:30 am **Lesson 3** - Soil and Rock Identification and Thermal Conductivity
11:30 am **Lesson 4** - Selecting, Sizing, and Designing the Heat Pump System
12:00 pm Lunch (provided)
1:00 pm **Lesson 4** - Selecting, Sizing, and Designing the Heat Pump System (continued)
2:30 pm **Lesson 5** – Designing the Ground Heat Exchanger
3:00 pm Break (provided)
3:15 pm **Lesson 5** – Designing the Ground Heat Exchanger (continued)
5:30 pm End of day one

Day 2

7:30 am Continental Breakfast (provided)
8:00 am **Lesson 5** – Designing the Ground Heat Exchanger (continued)
8:30 am **Lesson 6** - Installation of the Ground Heat Exchanger
10:00 am Break (provided)
10:15 am **Lesson 6** - Installation of the Ground Heat Exchanger (continued)
11:00 am **Lesson 7** - Grouting Procedures for Vertical Boreholes
12:00 pm Lunch (provided)
1:00 pm **Lesson 7** - Grouting Procedures for Vertical Boreholes (continued)
2:00 pm **Lesson 8** - Interior Piping Design and Circulator Pump Selection
3:00 pm Break (provided)
3:15 pm **Hands-On Pipe Fusion Training**
5:30 pm End of day two

Day 3

7:30 am Continental Breakfast (provided)
8:00 am **Lesson 9** - Flushing and Purging the System
9:00 am **Lesson 10** - Heat Pump System Startup and Checkout
9:30 am ***PLUS Lessons** – Bonus lessons beyond the IGSHPA course content
10:00 am Break (provided)
10:15 am ***PLUS Lessons** – Bonus lessons beyond the IGSHPA course content
12:00 pm Lunch (provided)
1:00 pm ***PLUS Lessons** – Bonus lessons beyond the IGSHPA course content
2:15 pm **Review Lesson**
2:45 pm Break (provided)
3:00 pm **NATE Open Book Exam** - (2 hours)
5:00 pm End of exam period and day 3