

Avante | Health Solutions



2022
**TRAINING ACADEMY
COURSES**

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WELCOME

Thank you for choosing Avante Health Solutions as your training partner. Avante Health Solutions is committed to empowering the Biomed community with outstanding training programs. We believe that the more knowledge that we can pass on to the community, the better off patients will be served.

By providing cost effective, hands on and practical training, engineers are immediately able to impact the bottom line of the day to day operations.

Benefits of Ultrasound Training:

- AAMI CEU Approved
- Small Classes to increase Instructor to Student ratio
- Comprehensive Hands-On course instruction
- 24/7 Technical Support
- Cost Effective
- Time saving course gets engineers back to work quickly
- Best Instructors in the industry
- Ultrasound 101 Self-Pace video class
- Preventive Maintenance instruction



INFORMATION

ENROLLMENT

To book a seat in a training course, please complete the enclosed enrollment form and send it with the purchase order to:

Email: clt.training@avantehs.com

Other payment: prepay options are accepted. Please refer to the enrollment form for details.

START AND FINISH TIMES

All classes begin promptly at 9:00 am and finish at 5:00 pm.

CLASS SIZE

Classes will be limited to a maximum of 8 attendees due to instructor and equipment ratios.

CLASS SUPPLIES

Each student needs to come prepared with a notebook and writing utensil; notebook PC is optional (All other study information will be provided by the ultrasound instructor). Complimentary wi-fi is available.

LOCATION

All courses take place at our Concord, NC facility at 1040-A Derita Road. The nearest airport is Charlotte Douglas International (CLT). CLT is a hub for American Airlines.

CANCELLATION

Cancellations **MUST be given twenty one days in advance**. Failure to cancel before the 21 day window will result in no refund. Classes may be cancelled due to low attendance, equipment availability or poor weather conditions.

EXPENSES

Students are responsible for all travel related expenses, including airfare, transportation, meals, and lodging. Avante Health Solutions will provide lunch during class hours.

ENTERTAINMENT

Charlotte is conveniently located at the junction of I-77 and I-85 near the South Carolina border. Now the largest city in the state, Charlotte is well known for great food, shopping, and a variety of entertainment options. Home to the Carolina Panthers, Charlotte Hornets, Charlotte Checkers and NASCAR, there will never be a dull moment for the sports fanatic. Students will have the opportunity to explore activities from whitewater rafting at the U.S. National Whitewater Center to a beautiful nature walk at one of Charlotte's local parks. With plenty of things to do, Charlotte offers transportation by taxi, bus, and now the new LYNX blue line light rail. Welcome to the Queen City!!

HOTEL INFORMATION

RECOMMENDED HOTELS: (Close Proximity to Avante Health Solutions)

Hampton Inn & Suites Charlotte/Concord _____ (704) 979-5600
 9850 Weddington Rd Ext, Concord, NC 28027
[hilton.com](https://www.hilton.com) **\$114 Rate - Use Corp ID# 0003229151**

Courtyard by Marriott Charlotte/Concord _____ (704) 453-2600
 7201 Scott Padgett Pkwy, Concord, NC 28027
[marriott.com](https://www.marriott.com) **\$109 Rate - Use Corp Code: IGV**

Hilton Garden Inn-Charlotte /Concord _____ (704) 979-2900
 7831 Gateway Lane NW, Concord, NC 28027
[hiltongardeninn3.hilton.com](https://www.hiltongardeninn3.hilton.com) **\$144 Rate - Use Corp Code: IGV**

Homewood Suites-Concord/Charlotte _____ (980) 313-3100
 7300 Scott Padgett Pkwy, Concord, NC 28027
[homewoodsuites3.hilton.com](https://www.homewoodsuites3.hilton.com)

ALTERNATIVE HOTELS:

Embassy Suites Concord _____ (704) 455-8200
 5400 John Q. Hammons Dr NW, Concord 28027

Residence Inn Concord _____ (704) 454-7862
 7601 Scott Padgett Pkwy, Concord, NC 28027

ULTRASOUND 101

This course covers the basic physics and principles of ultrasound. The class provides the theory and understanding behind ultrasound operation. Basic system architecture, transducer types and their applications will also be discussed.

Class gives background and fundamentals for ultrasound theory, operation and transducer identification. This course is self paced.

OUTLINE

- Basic Theory
- Physics
- System Architecture
- Transducer Types and Applications

The course is available online. Contact Training Coordinator for access.

*Course is prerequisite for platform specific, unless attendee has 1 year of ultrasound experience



PHILIPS EPIQ/AFFINITI

The Epiq & Affiniti series are the newest offering for the ultrasound modality manufactured by Philips. The Epiq 5 & Affiniti 50 are primarily general imaging systems, while the Epiq 7 & Affiniti 70 are the premiere cardiac systems. These systems offer excellent image quality and ergonomics. These platform are built on similar architecture of their predecessors the iU22 & iE33.

The Epiq & Affiniti service training course is designed for the ultrasound service professional. This course will focus on the system as it pertains to theory, architecture, block diagrams and functional repair.

OUTLINE

- Basic Theory
- System Familiarization
- Manual Overview
- System Architecture-Common Failures
- Troubleshooting-Replacement
- PM Procedure
- DICOM Connectivity

The course is completely hands on with labs focusing on scanning techniques, common failures, and board/module replacement.

*Course prerequisite is 1 year of ultrasound experience or Ultrasound 101 course



GE VIVID/LOGIQ E9

The E9 series are advanced Radiology and Cardiology ultrasound systems manufactured by GE. The system produces outstanding images due to extensive data interpolation performed in the BEP (Back End Processor).

The E9 service training course is designed for the ultrasound service professional. This course will focus on the system as it pertains to theory, architecture, block diagram and functional repair.

OUTLINE

- Basic Theory
- System Familiarization
- Manual Overview
- System Architecture-Common Failures
- Troubleshooting-Replacement
- PM Procedure
- DICOM Connectivity

The course is completely hands on with labs focusing on scanning techniques, common failures, and board/module replacement.

*Course prerequisite is 1 year of ultrasound experience or Ultrasound 101 course



GE LOGIQ E10 & VIVID E95

The GE Logiq E10 and Vivid E95 are the newest offerings in the GE family of ultrasound systems. These systems offer the latest in technology, features and capabilities. These series of machines are based on similar framework and share many like hardware and features.

The GE Logiq E10 and Vivid E95 service training course is designed for the ultrasound service professional. This course will focus on the system as it pertains to theory, architecture, block diagram and functional repair.

OUTLINE

- Basic Theory
- System Familiarization
- Manual Overview
- System Architecture-Common Failures
- Troubleshooting-Replacement
- PM Procedure
- DICOM Connectivity

The course is completely hands on with labs focusing on scanning techniques, common failures, and board/module replacement.

*Course prerequisite is 1 year of ultrasound experience or Ultrasound 101 course



SIEMENS S2000/SC2000

The S2000 is primarily a radiology/women's health ultrasound system manufactured by Siemens. The SC 2000 is a cardiac focused version of the S2000. The systems are built on the same framework and share hardware with minor differences focused on specific imaging specialties.

The S2000/SC2000 service training course is designed for the ultrasound service professional. This course will focus on the system as it pertains to theory, architecture, block diagram and functional repair.

OUTLINE

- Basic Theory
- System Familiarization
- Manual Overview
- System Architecture-Common Failures
- Troubleshooting-Replacement
- PM Procedure
- DICOM Connectivity

The course is completely hands on with labs focusing on scanning techniques, common failures, and board/module replacement.

*Course prerequisite is 1 year of ultrasound experience or Ultrasound 101 course



PHILIPS IU22/IE33

The iU22 and iE33 are ultrasound platforms manufactured by Philips. The iU22 is primarily a general imaging system while the iE33 is a premium cardiac system. Both systems offer excellent image quality and ergonomics.

The iU22/iE33 service training course is designed for the ultrasound service professional. This course will focus on the system as it pertains to theory, architecture, block diagram and functional repair.

OUTLINE

- Basic Theory
- System Familiarization
- Manual Overview
- System Architecture-Common Failures
- Troubleshooting-Replacement
- Host/SIP Replacement
- PM Procedure
- DICOM Connectivity
- Service access

The course is completely hands on with labs focusing on scanning techniques, common failures, and board/module replacement.

*Course prerequisite is 1 year of ultrasound experience or Ultrasound 101 course



AVANTE CUSTOM COURSES

If you do not see what you need here, please contact us. We can create custom courses based on the system mix of your facility. Custom courses can be performed at either your facility or Avante Health Solutions and are tailored to suit the level of expertise your engineers need.

All courses are conducted by Avante Health Solution's experienced technical support engineers and provide not only the fundamental knowledge of ultrasound, but real world application and troubleshooting.

Hands on labs are critical and a part of every course designed by Avante Health Solutions to get a better understanding of the systems and subassembly replacement.



2022 TRAINING SCHEDULE

JANUARY

26-27.....Philips Epiq & Affiniti

FEBRUARY

16-17.....GE Vivid/Logiq E9

MARCH

23-24.....GE Logiq E10 & Vivid E95

APRIL

12-14.....Siemens S2000/SC2000

MAY

10-11.....Philips Epiq & Affiniti

JUNE

14-15.....GE Vivid/Logiq E9

JULY

12-14.....Philips iU22 & iE33

AUGUST

23-25.....GE Logiq E10 & Vivid E95

SEPTEMBER

13-14.....Philips Epiq & Affiniti

OCTOBER

11-13.....Siemens S2000/SC2000

NOVEMBER

8-10.....GE Logiq E10 & Vivid E95

TRAINING COURSE ENROLLMENT FORM

Training Course Date: _____

Training Course Date: _____

Training Course Date: _____

Attendee 1: _____

Attendee 2: _____

Email 1: _____

Email 2: _____

Facility: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Manager's Name: _____ Email : _____

Phone: _____

*Enrollment fees are non-refundable if cancellation is received 3 weeks (15 business days) or less before course date.

*All payments are due in full 30 days prior to course to guarantee availability.

*Please note: Travel arrangements and accommodation are not provided in cost.

Payment Option 1 (Credit Card)

Visa Mastercard AMEX

Card No: _____

EXP Date: _____

Total Enrollment FEE: _____

Signature: _____

Billing Address (If different than above): _____

City: _____ State: _____ Zip: _____

Payment Option 2 (Pay by Check)

Contract/UMP = No Charge

PO#: (optional) _____

Remit Payment to: