2020
TRAINING ACADEMY COURSES
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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:

Fax: (704) 940-7756
Email: clttraining@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 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.

CANCELLATION
Cancellations MUST be given twenty one days in advance. Failure to cancel before the 21 day window will result in no refund.

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.

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!!
RECOMMENDED HOTELS:
(Close Proximity to Avante Ultrasound)

Courtyard by Marriott Charlotte/Concord  
7201 Scott Padgett Pkwy, Concord, NC 28027  
(704) 453-2600

Hilton Garden Inn-Charlotte /Concord  
7831 Gateway Lane NW, Concord, NC 28027  
(704) 979-2900

Homewood Suites-Concord/Charlotte  
7300 Scott Padgett Pkwy, Concord, NC 28027  
(980) 313-3100

ALTERNATIVE HOTELS:

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

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

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

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
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 S7/S8 & VOLUSON S6/S8

The GE S6/7/8 is one of the newest in the Voluson/Logiq family of ultrasound systems produced by GE. These systems are mid-level in terms of features and pricing. This series of machines is based on the same framework and shares many like hardware and features.

The GE S6/7/8 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

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
The Voluson E10 is the latest platform from GE designed for women’s health. The E10 delivers outstanding image from the latest technology such as 3D/4D imaging. The Vivid E95 is the premier cardiac imaging system from GE. The E95 is based on the Vivid series with the latest in imaging enhancements and improvements to workflow.

The Voluson E10 & 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
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.

2020 TRAINING SCHEDULE

**JANUARY**
14-16.................................Philips iU22 & iE33

**FEBRUARY**
4-5....................................GE Vivid / Logiq E9

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

**APRIL**
7-8................GE Logiq S7/S8 & Voluson S6/S8

**MAY**
5-7.................................Philips iU22 & iE33

**JUNE**
9-10.................................GE Vivid/Logiq E9

**JULY**
14-15.................................Philips Epiq & Affiniti

**AUGUST**
18-19.................................Siemens S2000/SC2000

**SEPTEMBER**
15-16.................................GE Vivid/Logiq E9

**OCTOBER**
6-7.................................Philips Epiq & Affiniti

**NOVEMBER**
10-11.................................GE E10/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:

Avante Health Solutions 1040 Derita Rd, Suite A Concord, NC 28027 1.800.958.9986