



Medical Sonography and Echocardiography Programs

Sonographers.....

- Provide direct patient care to a variety of people ranging from healthy to critically ill.
- Combining a desire to help patients with an interest in state-of-the-art technology, we as healthcare workers provide a vital service for diagnosing and treating medical conditions



Specialty Areas

- There are 8 specialty areas of sonography, all have their own separate certification through the American Registry of Diagnostic Medical Sonographers (ARDMS)

- Abdomen
- Obstetrics/Gynecology
- Adult Echocardiography
- Pediatric Echocardiography
- Vascular
- Neurosonography
- Ophthalmology
- Breast (New!)
- Fetal Echocardiography (New!)

- A sonographer can be dedicated to one specialty area such as the abdomen or heart, or can be multiskilled in various specialty areas.



Abdominal Sonographers

- Inspect a patient's abdominal cavity to help diagnosis and treat conditions involving the gallbladder, bile ducts, kidneys, liver, pancreas and spleen.



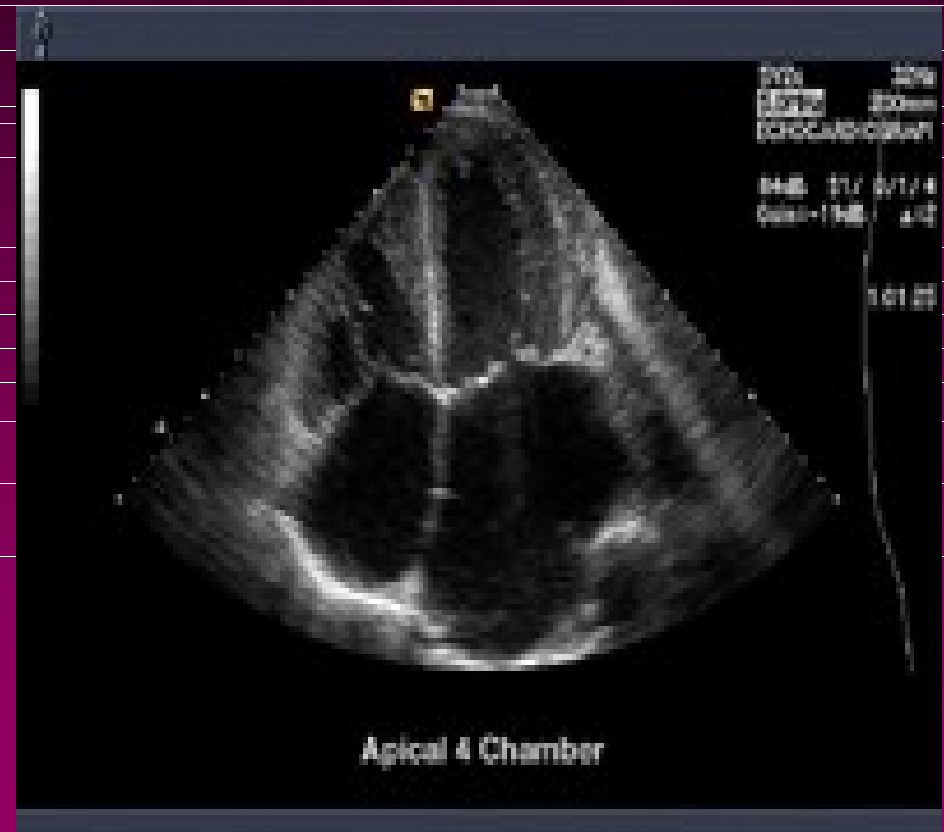
Obstetric and Gyneocologic Sonographers

- Specializing in obstetrics and gyneocology, the study of the female reproductive systems, including examining the fetus of a pregnant women to track its growth and health.



Cardiac Sonographers

- Produce images of the heart and nearby blood vessels for diagnosis and treatment of heart ailments in adults and children.



- Sonography is operator dependent.
When we work with state-of-the-art equipment, competent physicians educated in sonography, and we are competent and highly skilled, the results are highly accurate

- Unlike X-rays, sonography is a radiation free imaging modality.

Employment Opportunities

- New Graduate (non-credentialed) salary ranges from \$18.00 per hour to \$24.00 per hour
- Or \$37,500 to \$49,000 per year
- Hospitals, imaging centers, mobile, private physician offices, Ultrasound Equipment companies with careers in applications, sales

According to 2002 Survey from www.ultrasoundjobs.com

| | 25 th % | Median | 75 th % |
|---------------|--------------------|--------|--------------------|
| Connecticut | 25.65 | 27.95 | 29.78 |
| New York | 19.78 | 22.56 | 25.87 |
| Massachusetts | 23.69 | 26.30 | 29.98 |
| Vermont | 20.03 | 20.69 | 30.07 |

Employment Predictions

- According to the Occupational Outlook Quarterly of Summer 2001...

“Employment is expected to increase through 2008 as the population grows and ages, increasing the demand for diagnostic imaging and therapeutic technology”

Some job openings will arise because as the current sonography population ages, there will be a continual shortage as well.

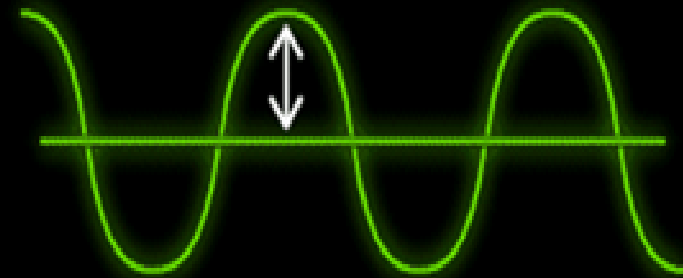
Here at HVCC...

- We have two Sonography Programs that encompass three specialty areas:
 - Medical Sonography
 - Abdomen
 - Obstetrics and Gynecology
 - Echocardiography
 - Adult Echocardiography



Classroom Lectures

- Are problem based



Amplitude:

The maximum value of the wave function.
The higher the amplitude, the louder the sound.

Campus Lab

- Peer support and “one on one” environment
- State-of-the-art equipment



Clinical Facilities

- Affiliated with hospitals and private office practices
- Local and from around the state



Clinical Instructors

- Dedicated to the profession and to the college's programs



Admission Requirements @ HVCC

- Minimum of a 2 year Allied Health Degree – 2.5 cum average
 - E.g. nursing, respiratory therapy, radiologic technology
- Bachelor's Degree – 2.5 cum average with 8 credits of Anatomy and Physiology (minimum of a “C” average) with “Direct Hospital Patient Care Experience”

Upon Graduation

- Our graduates are qualified to take their certification boards immediately upon graduation
- Our success rate is 95 %
- Our students obtain employment immediately upon graduation

Program Accreditation

- Our programs are accredited through the Joint Review Commission of Diagnostic Medical Sonographers (JRC-DMS)
- Our Sonography and Echocardiography Programs enjoy a high reputation among employers of our students.
- Our graduates are proud to have acquired their education here @ HVCC

Our Faculty

- Are registered in 5 of the 8 sonography specialty area and have a combined average of 25 years in the field of sonography
- They continually maintain their own continual education requirements in the field and some continue to work within the sonography field.

Do You Feel You Have...

- Good communication and interpersonal skills
- Enjoy working with continually advancing technology
- Have a background in math and science
- Enjoy working with people and contribute to the treatment and recovery of patients in their care

- Think of becoming a valued and respected member of the sonography healthcare team.



For More Information

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