

Valencia College

2017-2018 Program Guide for the Associate in Science Degree in Diagnostic Medical Sonography

Admission requirements are subject to change. Please check for any admission updates:
valenciacollege.edu/west/health/admissionupdates.cfm

Application Deadline: May 15, 2018 for Fall 2018

Students are admitted to Valencia's Diagnostic Medical Sonography Program by a selective admission process. The Health Sciences Admission Committee selects a limited number of students once a year to begin the program in the Fall term.

ADMISSION CHECKLIST

The admission requirements that must be satisfied **PRIOR** to submitting an application for the Valencia College Diagnostic Medical Sonography Program are:

- _____ 1. Read about Diagnostic Medical Sonography admission and program requirements at valenciacollege.edu/health and the Valencia Catalog <http://valenciacollege.edu/catalog/>; read this program guide in its entirety and confirm you are capable of meeting the Core Performance Standards listed within this guide.
- _____ 2. Be a U.S. Citizen, a U.S. permanent resident or an International Student.
International Student: legal immigrant/visa status with employment authorization. See the U.S. Department of State directory of visa categories to verify visa employment options:
<https://travel.state.gov/content/visas/en/visit/visitor.html>
- _____ 3. Attend a Health Sciences Information Session (**strongly recommended**). Information Session dates are posted on the Health Sciences website: valenciacollege.edu/health.
- _____ 4. Submit a completed Valencia Application for Admission at <http://valenciacollege.edu/>, click on **Future Students, Admissions**, and pay the application fee; satisfy the requirements for Degree-Seeking Status, including submission of all official transcripts, and be in Active Student Status.
- _____ 5. Satisfy the Valencia entry testing requirements and satisfactorily complete any mandatory courses in Reading, Professions of Caring or New Student Experience, Mathematics, English and English for Academic Purposes in which you are placed (must be at college-level for Reading, Mathematics, and English). For more information about Mandatory Courses:
<http://catalog.valenciacollege.edu/entrytestingplacementmandatorycourses/mandatorycourses/>
- _____ 6. Complete the Prerequisites for Admission with a minimum grade of "C":
(The grade for each course must be posted to your Valencia transcript.)
 - BSC 2093C Anatomy and Physiology I
 - BSC 2094C Anatomy and Physiology II
 - PHY 1007C Physics with Medical Applications
 - MAC 1105 College Algebra
 - ENC 1101 Freshman Composition I
 - PSY 2012 General Psychology
 - Any course that meets the [General Education](#) Humanities requirement
- _____ 7. Have a minimum overall college GPA of 2.5 including all undergraduate transfer work. Must be in good academic standing.

- _____ 8. Complete successfully the Test of Essential Academic Skills (TEAS) with official scores posted to your Valencia Atlas account (paper copies of scores NOT accepted). The examination fee is the responsibility of the student. Information and verification about the TEAS may be found at valenciacollege.edu/assessments. TEAS scores may be used for five years. To verify scores are on file at Valencia, email the Assessment Office at: Assessment@valenciacollege.edu
- _____ 9. When Numbers 1 – 8 are complete, submit a completed Valencia Sonography Program application and pay the \$15 non-refundable Health Sciences program application fee by the program application deadline. The application can be found at valenciacollege.edu/health.

Estimated program costs can be found at: <http://valenciacollege.edu/west/health/AdmissionUpdates.cfm>

***GUIDELINES for ALL HEALTH SCIENCE LIMITED ACCESS PROGRAMS
(EXCEPT THE BACHELOR DEGREE PROGRAMS and the ADVANCED TECHNICAL CERTIFICATES)***

Valencia’s Health Sciences programs are offered through the Divisions of Allied Health and Nursing, which provide information about specific admission criteria for the programs. The Health Sciences Program Guides, of which this is one, are developed for a specific academic year (August to July) and, as a rule, changes to admission and program requirements become effective at the start of an academic year; however, **Valencia College reserves the right to make changes in admission and program requirements as circumstances require.** If a mid-year change becomes necessary, it will be indicated in the information for the specific program at <http://valenciacollege.edu/west/health/admissionupdates.cfm>.

Students interested in a health sciences career are encouraged to explore the many challenging and rewarding opportunities available in health professions. The health sciences programs may have clinical experiences that expose the student to blood borne pathogens via contact with bodily fluids such as blood and saliva. Students accepted into these programs will be expected to adhere to Centers for Disease Control (CDC) guidelines for the use of Standard Precautions. The CDC defines standard precautions as “a set of precautions designed to prevent the transmission of HIV, Hepatitis B virus (HBV), other blood borne pathogens when providing first aid or health care.” Under standard precautions, blood and certain body fluids are considered potentially infectious for HIV, HBV, and other blood borne pathogens. Students will be expected to adhere to hand hygiene protocols and consistent use of personal protective equipment including masks, gloves and eyewear. In some of the health sciences programs, students may need to conduct peer-to-peer examinations in lab settings.

Valencia offers eight health sciences programs which lead to an A.S. degree. They are Cardiovascular Technology, Dental Hygiene, Diagnostic Medical Sonography, Emergency Medical Services Technology (including EMT and Paramedic certificates), Health Information Technology, Nursing (R.N.), Radiography, and Respiratory Care. Once you complete your A.S. degree in Diagnostic Medical Sonography, you can continue at Valencia to earn your Bachelor’s degree in Radiologic and Imaging Sciences or a bachelor-level Advanced Technical Certificate (ATC) in Echocardiography, Leadership in Healthcare or Magnetic Resonance Imaging (MRI). With additional education at the bachelor’s level and professional experience, you will enhance your skills and have more career options available.

Students whose official records indicate they are seeking admission to a limited access Associate in Science (A.S.) health sciences program will have the health sciences program designated as their Secondary major and the Associate in Arts (A.A.) Degree designated as their Primary major in order to maximize their educational opportunities. If the student has already earned a Bachelor’s or A.A. degree, the student will not have A.A. designated as a Primary major.

Most programs have an application deadline, but some do not. If a program application deadline falls on Saturday, Sunday or a Valencia holiday, the deadline will become the following Valencia business day. Health Sciences program applications are available at valenciacollege.edu/health. Program applications received after the deadline date will not be considered for the identified term. Students who are not accepted will need to reapply for a future term.

Students must complete the Valencia Application for Admission and the application for the specific health sciences program. Admission to Valencia does not imply acceptance to the health sciences program.

Students may apply to more than one limited access Health Science program; however, enrollment is limited to only one Health Sciences program in a term. A new program application is required if reapplying for admission. Having previously earned a college degree does not grant an advantage in admission to a Health Sciences program that does not require a degree for admission nor does it exempt students from taking the Test of Essential Academic Skills (TEAS) if the TEAS is required for admission to the program.

All communication from Valencia relative to program admission will be via your **Atlas e-mail address**. Written communication you initiate with Valencia staff should also be via your Atlas e-mail account and should include your full name and your Valencia ID number.

BACKGROUND CHECK, FINGERPRINTING, DRUG TESTING, IMMUNIZATIONS AND CPR CERTIFICATION

The Health Sciences programs include student clinical rotations in external affiliate health care facilities with which Valencia has agreements for student clinical assignments. The affiliates' policies require that students serving in a clinical rotation be cleared of offenses that would disqualify them from participating in student clinical assignments. Thus, all students **conditionally* accepted** to a Health Sciences program are required to submit to a criminal background check, fingerprinting and drug screening as well as provide documentation of specific immunizations and American Heart Association (AHA) and Basic Life Support (BLS) CPR certification **following acceptance to a program**. The timeframe for meeting these requirements will be provided in the Orientation information that will be sent to the student upon acceptance through ATLAS email.

NOTE: Non-Immigrant visa holders must complete their background check, fingerprinting, drug testing, immunizations and CPR certification at least six months in advance of the anticipated start term.

***If you have a positive background check, fingerprint or drug screening, you may be denied enrollment in a Health Sciences program due to the inability to participate in a student clinical assignment.** If you have concerns regarding known background issues, it is recommended that you email questions to hscompliance@valenciacollege.edu.

MANDATORY ORIENTATION

The mandatory program Orientation for accepted students usually is held four to six weeks prior to the program start date. Once accepted to a program, students will receive an email via ATLAS regarding the Orientation date, requirements and deadlines. The Orientation materials will give the student information regarding the processes for completing background checks, fingerprinting, drug screening, and other requirements through CastleBranch.com.

TRANSPORTATION TO CLINICAL SITES

If accepted to a program, students will be responsible for furnishing transportation to the community and/or hospital facilities used by Valencia for clinical practice.

Valencia is an Equal Opportunity Institution: <http://valenciacollege.edu/HR/EqualAccessEqualOpportunity.cfm>

DIAGNOSTIC MEDICAL SONOGRAPHY ADMISSION POINTS GUIDE

The Health Sciences Admission Committee uses the following point system as a guide in the selection of qualified students to be admitted to the **Sonography** Program. Student selection is based on the total number of points earned. In case of a tie, overall GPA and the Health Sciences entrance test score will be considered.

PROGRAM COURSE REQUIREMENTS THAT AWARD ADMISSION POINTS

All of these prerequisite courses must be completed by the application deadline.

BSC 2093C	Human Anatomy & Physiology I (Prerequisite Course)	A=10 pts, B=8 pts, C=6 pts
BSC 2094C	Human Anatomy & Physiology II (Prerequisite Course)	A=10 pts, B=8 pts, C=6 pts
PHY 1007C	Physics with Medical Applications (Prerequisite Course)	A=10 pts, B=8 pts, C=6 pt
MAC 1105	College Algebra (Prerequisite Course)	A=10 pts, B=8 pts, C=6 pts
ENC 1101	Freshman Composition I (Prerequisite Course)	A= 3 pts, B=2 pts, C=1 pt
PSY 2012	General Psychology (Prerequisite Course)	A= 3 pts, B=2 pts, C=1 pt
Humanities	Any course that meets the General Education Humanities requirement: Core or Institutional	A= 3 pts, B=2 pts, C=1 pt
The following course is required for the degree and will result in more points toward admission if completed with a minimum grade of C prior to the application deadline.		
HSC 1531	Medical Terminology	A= 8 pts, B= 6 pts, C=4 pts

Please check <http://valenciacollege.edu/west/health/admissionupdates.cfm> for the most updated information.

ADDITIONAL ADMISSION POINTS AWARDED (OPTIONAL)

HSC 1004 OR SLS1122	Professions of Caring -OR- SLS1122 New Student Experience	A=5 pts, B=3 pts, C=1 pt A= 3 pts, B=2 pts, C=1 pt
PHI 2600	Ethics (can satisfy Humanities requirement)	A= 3 pts, B=2 pts, C=1 pt
Alternate	Previous year applicant selected as an Alternate	3 pts

RELATED EXPERIENCE ADMISSION POINTS

Points may be earned for **ONLY ONE** of the following and documentation must be submitted.

Current Certification or Registry	Radiation Therapy, RT (T); Radiologic Tech, RT (R); Nuclear Medicine Tech RT (N) OR NMTCB; Cardiovascular Tech (RCVT); Nurse (RN); Respiratory Care, (RRT)	5 pts
Career Pathways Graduate	A high school program	2 pts

Total Points: _____ Total Possible Points: 73

**DIAGNOSTIC MEDICAL SONOGRAPHY
CORE PERFORMANCE STANDARDS FOR ADMISSION AND PROGRESSION**

ISSUE	STANDARD	EXAMPLES OF REQUIRED ACTIVITIES (NOT ALL INCLUSIVE)
Critical Thinking	Critical Thinking ability sufficient for safe clinical judgment.	<ul style="list-style-type: none"> * Identify cause-effect relationships in clinical situations. * Evaluate sonographs to ascertain that they contain proper identification and are of diagnostic value. * Manipulate key functions on US machine to produce diagnostic images on patients regardless of size, age, and extent of disease. * Assess patient's condition and needs from a distance of at least 20 feet. * Initiate proper emergency care protocols, including CPR, based on assessment data.
Interpersonal	Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	<ul style="list-style-type: none"> * Establish rapport with patients, families, and colleagues. * Display compassion, empathy and concern for others * Demonstrate a high degree of patience. * Work with other healthcare providers in stressful situations
Communication	Communication abilities sufficient for interaction with others in verbal and written form.	<ul style="list-style-type: none"> * Communicate verbally in English to the patient in order to: converse, instruct the patient, relieve anxiety, gain their cooperation during procedures, understand the patient when communicating symptoms of a medical emergency. * Read the patient's medical chart and/or physician's orders. * Legibly write patient history. * Documents own actions and patient responses as indicated.
Mobility	Physical abilities sufficient to move from room to room and maneuver in small spaces.	<ul style="list-style-type: none"> * Assist all patients, according to individual needs and abilities, in moving, turning, transferring from transportation devices to the scanning table. * Be able to push, pull, and lift 40 pounds. * Push a stretcher, wheelchair or other transportation device without injury to self, patient, or others. * Push an ultrasound machine (approximately 500 lbs.) from one location to another, including turning corners, getting on and off of an elevator, and manipulating it in a patient's room.
Motor Skills	Gross and fine motor abilities sufficient to provide safe and effective care.	<ul style="list-style-type: none"> * Ability to maintain prolonged arm positions necessary for scanning. * Accurately draw up sterile contrast media and other solutions without contaminating the syringe and/or needle, etc. * Physically be able to administer emergency care including performing CPR. * Be able to stand for periods as long as 2 hours and to walk a distance of 2 miles during a normal work day. * Ability to seize, grasp, grip, hold, turn, or otherwise work with hands. * Work fingers to manipulate switches, dials, and other equipment controls * Input data into computer
Hearing	Auditory abilities sufficient to monitor and assess patient needs, and to provide a safe environment.	<ul style="list-style-type: none"> * Hear a patient talk in a normal tone from a distance of 20 feet. * Hear monitor alarm, emergency signals, and cries for help.
Visual	Visual ability sufficient for observation and assessment necessary in the operation of equipment and care of patients.	<ul style="list-style-type: none"> * Observe the patient in order to assess the patient's condition and/or needs from a distance of at least 20 feet. * Can see numbers, letters, calibrations, etc. of varying sizes located on equipment utilized by a sonographer.
Tactile	Tactile ability sufficient for patient assessment and operation of equipment.	<ul style="list-style-type: none"> * Perform palpation, tactile assessment, and manipulation of body parts to insure proper body placement and alignment. * Manipulate dials, buttons, and switches.

VALENCIA COLLEGE DIVISIONS OF ALLIED HEALTH AND NURSING
Sample Form of the Health and Physical Core Performance Requirements

Asses Ability to Meet Program Requirements	Y E S	N O	If NO, Note Limitations	Asses Ability to Meet Program Requirements	Y E S	N O	If NO, Note Limitations
General Requirements (has the ability to...)				Require Lifting (ability to lift...)			
Sit				Up to 10 lbs.			
Stand				11 to 24 lbs.			
Walk				25 to 34 lbs.			
Bend				35 to 50 lbs.			
Kneel				Up to and over 100 for some Clinical Areas			
Crouch				Pushing/Pulling (ability to push and pull...)			
Twist				Up to 10 lbs.			
Maintain Balance				11 to 24 lbs.			
Reach				25 to 34 lbs.			
Climb Stairs				35 to 50 lbs.			
Sensory Requirements (has ability for...)				Up to and over 100 for some Clinical Areas			
Far Vision							
Near Vision					Hand Manipulation (ability with...)		
Color Vision				Simple Grasping			
Depth Perception				Firm Grasping			
Seeing Fine Details				Fine Manipulation			
Hearing Norm Speech				Use of Keyboards			
Hearing Overhead Pages							
Infectious Diseases				Mental & Emotional Requirements (ability to...)			
Chemical Agents				Cope with high level of stress			
Dust, Fumes, Gases				Make decisions under high pressure			
Extremes in Temperature or Humidity				Cope with anger/fear/hostility of others in a calm way			
Hazardous or Moving Equipment				Concentrate			
Loud Noises				Handle a high degree of flexibility			
				Handle multiple priorities in stressful situations			
				Demonstrate high degree of patience			
				Work in areas that are close and crowded			
				Verbally Communicate under stress			

DIAGNOSTIC MEDICAL SONOGRAPHY

CORE PERFORMANCE STANDARDS FOR ADMISSION AND PROGRESSION

Diagnostic Medical Sonography is a practice discipline with cognitive, sensory, affective, and psychomotor performance requirements. Based on these requirements, the above list of "Core Performance Standards" has been developed. Each standard has an example of an activity or activities, which a student will be required to perform while enrolled in the Sonography Program. These standards are a part of each Sonography course and of the professional role expectation of a Sonographer.

For the purpose of the Diagnostic Medical Sonography Program, a “qualified individual with a disability is one who, with or without reasonable accommodations or modifications, meets the essential eligibility requirements for participation in the program.” The Division of Allied Health at Valencia makes no preadmission inquiries concerning an applicant’s disability status. Information related to an applicant’s disabilities is not a part of the information reviewed by the Admission Committee.

These Performance Standards should be used to assist students in determining whether accommodations or modifications are necessary for the student to meet program requirements. A student who identifies potential difficulties with meeting the Performance Standards should communicate his/her concerns to an advisor in the Office for Students with Disabilities. The student has the responsibility to identify and document the disability and to request reasonable and appropriate adjustments. Determination is made on an individual basis as to whether any accommodations or modifications can be reasonably made.

Diagnostic Medical Sonography

Associate in Science Degree (CIP# 1351091004)

Limited-Access

This program is designed to prepare the student for employment as a diagnostic medical sonographer. The sonographer should be skilled by academic and clinical training to perform ultrasound examinations under the supervision of a qualified physician.

Diagnostic Medical Sonography is a dynamic medical imaging profession. It is presently being used to evaluate many soft tissue organs in the body. Some of these organs are the liver, gallbladder, kidneys, and pancreas. One of the most fascinating uses of diagnostic ultrasound is the examination and evaluation of the unborn child. With the most recent technical advances in ultrasound, the sonographer is now able to evaluate flow dynamics of many blood vessels of the fetus, pediatric and adult patient.

Properly-trained sonographers are in demand in hospitals, clinics, doctors' offices, marketing, applications, and mobile services.

The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 U.S. Highway 19 North, Suite 158, Clearwater, FL 33763, Phone (727) 210-2350. Graduates are eligible to take the national certifying examinations administered by the American Registry of Diagnostic Medical Sonographers.

Diagnostic Medical Sonography is a limited-access program. Admission to Valencia does not imply acceptance to the Diagnostic Medical Sonography Program; students must apply and be accepted to the program. General admission procedures for this program are found in the Admissions section of this catalog. The Division of Allied Health provides information about specific program admission criteria.

Estimated program expenses are given in the Financial section of this catalog.

Admission requirements that must be satisfied prior to submitting an application to the A.S. degree Program in Diagnostic Medical Sonography are:

- Review the general admission requirements for Health Sciences programs in the Admissions section of this catalog.
- Submit a completed Valencia Application for Admission; satisfy the requirements for degree-Seeking Status and be in Active Student Status.
- Satisfy the college entry testing requirement and satisfactorily complete all mandatory courses in reading, New Student Experience (SLS 1122), or Professions of Caring (HSC 1004) for students pending acceptance for a health sciences program, mathematics, English, and English for Academic Purposes in which you are placed.
- Complete the Diagnostic Medical Sonography Program Prerequisite for Admission courses with a minimum grades of C.
- Have a minimum overall college GPA of 2.5 (including transfer work).
- Satisfy the designated entrance test requirements for Health Sciences programs.
- Submit the completed Valencia Diagnostic Medical Sonography program application with the application fee by the deadline.

The program curriculum includes all courses that are required for the Diagnostic Medical Sonography A.S. degree. A minimum grade of C must be achieved in all courses identified in the program curriculum, including the course required for admission. The courses in the curriculum are progressive in nature, with one course building on the preceding course. Because of this progressive relationship, all courses in a term must be completed with a grade of C or better in order to continue to the next term. If a student achieves less than a C or withdraws from any course that is required for the Diagnostic Medical Sonography A.S. degree, the student will not be allowed to progress in the program.

Students are strongly encouraged to consult their campus based health sciences advisor for assistance in determining the best education plan for their career goals.

Start Right

Degree-seeking students enrolling at Valencia for the first time will have a limited range of courses from which to choose for their first 18 college-level credits. Within the first 18 college credit hours, you will be required to take ENC1101 (3 credits), and if applicable, SLS 1122 (3 credits) or HSC1004 (3 credits) for students pending acceptance to a health sciences program and a mathematics course appropriate to your selected meta-major (3 credits). The remaining courses will be chosen from the General Education Core

Courses in humanities (3 credits), science (3 credits), or social science (3 credits), and/or the introductory courses within the A.S. degree programs. For specific courses see the *Foundation Courses* on the “Program Requirements” tab. For course sequencing recommendations, see your Career Program Advisor or create an education plan by logging into Atlas, clicking on the LifeMap tab and clicking My Education Plan.

Potential Careers

- Diagnostic Medical Sonographer

Salary & Earnings Information

For salary and wage information, visit: www.floridawages.com (<http://www.floridawages.com>)

Contacts

Future Students

Contact Enrollment Services at enrollment@valenciacollege.edu or call 407-582-1507

Current Students

Active Valencia students who are *pending program acceptance* may meet with the pending Allied Health Program Advisor in the campus Student Services department. For Information Sessions, Admission Guides, Program Applications, and the most updated information, visit the website at: <http://valenciacollege.edu/west/health/> *Accepted, in-program* students will meet with their assigned Career Program Advisor after confirming acceptance.

Alternative Ways to Earn Credit

If you have earned your credential as a Registered Diagnostic Medical Sonographer (RDMS), you may be eligible to receive credit toward this A.S. degree. For more information, visit: http://valenciacollege.edu/asdegrees/credit_alternative.cfm

Program Outcomes

- Be prepared as competent entry level general sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domain.
- Perform effective communication skills within the healthcare environment.
- Provide a safe environment in the healthcare setting.
- Practice professional behaviors in a healthcare setting.
- Execute safe clinical decision making in medical imaging.

Prerequisite for Admission

		Credit Hours
BSC 2093C	Human Anatomy and Physiology I ^{++~}	4
BSC 2094C	Human Anatomy Physiology II ^{++~}	4
PHY 1007C	Physics with Med Applications	4
MAC 1105	College Algebra ^{++~}	3
ENC 1101	FRESHMAN COMPOSITION I ^{++~}	3
PSY 2012	General Psychology ^{++~}	3
Humanities::	See Gen. Ed. Core or Institutional Requirement ^{++~}	3

Year I

Fall Term

HSC 1230C	Methods Of Patient Care ⁺⁺	2
HSC 1531	Medical Terminology ⁺	3
SON 1003L	SONOGRAPHY PRACTICE LAB	1
SON 1000C	INTRODUCTION TO MEDICAL SONOGRAPHY ⁺⁺	4

Spring Term

SON 1001C	Abdominal Sonography I ⁺⁺	4
SON 1804L	Clinical Sonography I ⁺⁺	2
RTE 2762	Sectional Anatomy ⁺⁺	3

Summer Term

SON 1614	Acoustical Physics Instr I ⁺⁺	3
SON 1112C	ABDOMINAL SONOGRAPHY II ⁺⁺	4
SON 1814L	Clinical Sonography II ⁺⁺	2

Year II		
Fall Term		
SON 2121	Ob/Gyn Sonography I ⁺ *	3
SON 2824L	Clinical Sonography III ⁺ *	3
SON 2618	Acoustical Physics Instr II ⁺ *	3
SON 2150	Neurosonology/Superficial Strct ⁺ *	3
Spring Term		
SON 2122	Ob/Gyn Sonography II ⁺ *	3
SON 2834L	Clinical Sonography IV ⁺ *	3
SON 2619	Acoustical Physics Instr III ⁺ *	2
Summer Term		
SON 2061	SEMINAR IN SONOGRAPHY ⁺ *	3
SON 2882L	Med Sonography Clinical Pract ⁺ *	2
Total Credit Hours:		77.0

+ This course must be completed with a grade of C or better.

* This course has a prerequisite; check description in Valencia catalog.

~ This is a general education course.

Notes:

All accepted applicants are required to submit applications through Valencia for a criminal background check, fingerprinting, and drug testing. Applicants for Valencia's Health Sciences Programs must be free of offenses that would disqualify them from a student clinical experience in a healthcare setting and must have their civil rights intact. This policy is in response to requirements by clinical agencies and state/federal regulations.

Specialized program courses are offered on the West Campus.

Upon earning the A.S. degree in Diagnostic Medical Sonography, eligible applicants can continue at Valencia to complete the Bachelor's degree in Radiologic and Imaging Sciences (<http://catalog.valenciacollege.edu/degrees/bachelorofscience/astobsradiologicimagingosciences>) or a bachelor-level Advanced Technical Certificate (ATC) in Echocardiography (<http://catalog.valenciacollege.edu/degrees/advancedtechnicalcertificates/echocardiography>), Leadership in Healthcare (<http://catalog.valenciacollege.edu/degrees/advancedtechnicalcertificates/leadershipinhealthcare>) or Magnetic Resonance Imaging (MRI). (<http://catalog.valenciacollege.edu/degrees/advancedtechnicalcertificates/magneticresonanceimaging>) Additional education at the bachelor's level and professional experience can enhance skills and create more career options.

Once you complete your A.S. degree in Diagnostic Medical Sonography, you can now continue on and get your Bachelor's degree from Valencia in Radiologic and Imaging Sciences. With additional education at the Bachelor level and professional experience, you will enhance your skills and have more career options available.

Specialized courses may not be offered every session or on every campus.