

# MEDICAL IMAGING, INVASIVE CARDIOVASCULAR TECHNOLOGY, ADVANCED TECHNICAL CERTIFICATE



## Information

Medical Imaging Technology consists of three Associate of Applied Science (AAS) degrees and four certificate programs.

The AAS degree programs are:

- Medical Radiography,
- Diagnostic Medical Sonography, and
- Invasive Cardiovascular Technology.

The advanced or enhanced certificate programs are:

- Computed Tomography,
- Invasive Cardiovascular Technology,
- Magnetic Resonance Imaging, and
- Mammography.

Students selected for any of the Medical Imaging programs are required to submit a physical exam prior to admission. This physical exam must be consistent with the requirements of the teaching hospitals and agencies the student is assigned during clinical assignments and the performance standards required to function as a student imaging technologist. The exam will also include documentation of any communicable diseases along with immunity to Rubella, Measles, Mumps, Varicella, and Hepatitis B. Additionally, completion of an updated Tetanus vaccine, an annual TB screening, and a seasonal flu vaccine are required.

In addition to meeting all other requirements, a criminal background check and drug and alcohol screening are required for all health science students attending imaging courses, and are required prior to admission to the program. Students entering a Medical Imaging program will also be required to show proof of health insurance and current CPR (American Heart Associate–Health Care Provider) certification. Students may contact the Medical Imaging department for details regarding the criminal background check and drug screening requirements.

## Campus

Central Campus

## Advanced Technical Certificate

The Advanced Technical Certificate in Invasive Cardiovascular Technology encompasses a three-semester course of study requiring a total of 33 semester credit hours. Admission is limited to American Registry of Radiologic Technologist Credentialed applicants. Graduates of the Medical Radiography Associate of Applied Science (AAS) degree may apply to the program when registry eligible. Completion of the prescribed curriculum will help prepare the student for the Cardiac-Interventional (CI) Radiography Certification Examination administered by the American Registry of Radiologic Technologists.

## Admission Criteria

A limited number of students are admitted into the program annually. Class size is determined by the availability of clinical space. All applicants must have completed the prerequisite courses prior to admission to the program. The applicant must submit official transcripts and two letters of recommendation (one from an instructor or clinical personnel). The applicant must complete and submit an application to the Medical Imaging department for the Invasive Cardiovascular Technology program. Applicants must attend a mandatory information meeting (dates available on website). The applicant must also submit required health records, CPR verification (American Heart Associate-Health Care Provider), criminal background check, and drug screen as stated for all Medical Imaging students.

Acceptance into the Invasive Cardiovascular Technology program is determined after review of the application and completion of all requirements.

Prospective applicants should call the Medical Imaging department at 281-476-1871 for additional information.

## Plan of Study

### Central Campus

AMED-INCRV

First Term		Credits
CVTT 1110	Cardiac Catheterization I	1
CVTT 1373	Essential Principles of Cardiovascular Technology	3
CVTT 1304	Cardiovascular Anatomy and Physiology	3
CVTT 1313	Catheterization Lab Fundamentals I	3
CVTT 2260	Clinical I - Cardiovascular Technology/ Technologist	2
<b>Credits</b>		<b>12</b>
Second Term		
CVTT 2461	Clinical II - Cardiovascular Technology/ Technologist	4
CVTT 1350	Cardiac Catheterization II	3
CVTT 1153	Catheterization Lab Fundamentals II	1
CVTT 1340	Cardiovascular Pathophysiology	3
<b>Credits</b>		<b>11</b>
Third Term		
CVTT 2350	Cardiovascular Professional Transition	3
CVTT 2462	Clinical III - Cardiovascular Technology/ Technologist	4

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CVTT 2330	Advanced Cardiovascular Instrumentation	3
<b>Credits</b>		<b>10</b>
<b>Total Credits</b>		<b>33</b>

**Capstone Experience:** CVTT 2350 Cardiovascular Professional Transition