DALLAS COLLEGE BROOKHAVEN CAMPUS

# Radiologic Sciences Program

# Modality Certificate Vascular Interventional

# Updated: Spring 2023

The Radiologic Sciences program offers a three-semester modality certificate for Vascular-Interventional Radiography. The courses are offered as college credit hours. Completion of required classroom, lab and clinical components with a “C” or above will result in a certificate in the related track from Dallas College. Students that successfully obtain the certificate will accomplish the educational and clinical requirements needed to take the national registry examination for Vascular Interventional administered by the American Registry of Radiologic Technologists (ARRT).

This information packet details the programs and the procedure for program application. Potential applicants are expected to be familiar with the application requirements and process. A class will be admitted every Fall semester.

EQUAL EDUCATIONAL OPPORTUNITY

Educational and employment opportunities are offered by the Dallas County Community College District without regard to race, color, religion, sex, national origin, age, disability, sexual orientation, genetic information, gender identity or gender expression.

# ADMISSION REQUIREMENTS TO THE RADIOLOGIC SCIENCES PROGRAM

Application to the Radiologic Sciences Program requires the following steps:

* Application and admission to Dallas College – submit a complete set of Official Transcripts to the Admissions Office. Application to the college can now be completed online at [Apply and Register](https://www.brookhavencollege.edu/apply-reg/Pages/default.aspx)
* Completion of a Sectional Anatomy course with a minimum grade of C or higher. Sectional Anatomy (RADR 2340) is offered online with Dallas College each semester.
* ARRT certification in Radiography, Nuclear Medicine, or Therapy (or students in the final semester of their program)
* Submission of a complete program application during the designated filing period.  
    
  Dallas College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award the associate's degree. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Dallas College. The three-fold purpose for publishing the Commission's address and contact numbers is to enable interested constituents (1) to learn about the accreditation status of Dallas College, (2) to file a third-party comment at the time of Dallas College's decennial review, or (3) to file a complaint against Dallas College for alleged non-compliance with a standard or requirement. Normal inquiries about Dallas College, such as admission requirements, financial aid, educational programs, etc., should be addressed directly to Dallas College and not to the Commission's office.

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## Mission and Goals of the Programs

#### Mission

The Mission of the Dallas College Radiologic Sciences Vascular-Interventional Certificate Program is to prepare students both academically and technically in the foundational principles of the modality. After completion of the certificate coursework, the student will be able to competently, ethically and safely perform VI procedures and respond to the needs of their patients while assuming a vital role in the patient’s healthcare team.

#### Program Goals and Outcomes

Goal 1: Students will competently and safely perform radiographic procedures.

• Students will properly position patients for VI procedures.

• Students will demonstrate safe radiation safety practices.

• Students will set technical factors to produce diagnostic quality radiographic images.

Goal 2: Students will demonstrate problem solving and critical thinking skills.

• Students will critique radiographic images.

• Students will adapt standard radiographic practices to varying clinical situations.

Goal 3: Students will demonstrate proper communication skills.

• Students will explain radiographic procedures.

• Students will demonstrate effective communication skills.

• Students will obtain an accurate patient history.

Goal 4: Students will demonstrate the importance of professional development and growth.

• Students will demonstrate professional behavior.

• Students will articulate the importance of membership in a professional organization.

Program Effectiveness Goal: The program will fulfill its mission by providing the community with qualified radiographers specializing in VI.

• Graduates will pass the related ARRT VI certification exam.

• Graduates will be employed within the community of interest.

• Students will complete the program within 2 years of initial acceptance.

• Employers will be satisfied with program graduates.

• Graduates will be satisfied with the quality of education received.

## Philosophy and Program Standards

#### Philosophy

Dallas College's Radiologic Sciences Programs were developed with the philosophy that clinical experience coupled with didactic education is the key to having an exceptional learning experience. In the classroom, the student will acquire theoretical information necessary to perform as a VI technologist. In the clinical environment, all students will have an opportunity to perfect their technological skills and progressively develop professional skills and independence, so they will be ready to enter the specialized modality following completion of the certificate program. The ultimate goal of the program is to prepare outstanding modality technologists who have the potential to become effective supervisors, instructors and leaders.

#### PROGRAM STANDARDS

OBJECTIVES: Competencies developed by the program shall be supported by specific behavioral objectives documented throughout the didactic and clinical curriculum and shall include but not be limited to, the following knowledge areas:

1. Safely administer ionizing radiation to humans for diagnostic purposes by correctly determining exposure factors to achieve optimal radiographic techniques.

2. Apply knowledge of anatomy, physiology, positioning, and radiographic technique to accurately demonstrate anatomical structures on obtained images.

3. Apply principles of radiation protection to patient, self, colleagues and general public.

4. Evaluate radiographic images for image quality.

5. Provide patient care and comfort in a professional manner regardless of patient’s personal attributes, nature of disease or illness and without discrimination.

6. Recognize and respond to emergency patient conditions and initiate life-saving first aid and basic life-support procedures.

7. Evaluate performance of radiologic systems, identify the safe limits of equipment operation and respond to malfunctions properly.

8. Exercise independent judgment and discretion in the technical performance of medical imaging procedures.

9. Participate in quality assurance programs to maintain high levels of performance standards.

10. Communicate effectively in the medical environment and function as a team member in a radiology department.

## Program Descriptions

The Radiologic Sciences Vascular Interventional Radiography certificate program accepts students every fall semester. Breaks and holidays will occur during and between academic semesters as per the college class calendar.

On-campus VI classroom fall, spring and summer semester courses/labs are offered on Tuesday/Thursday evenings. Clinicals are scheduled for 8 hours/week during the fall semester and 24 hours/week during the spring and summer semesters.

Technologists that are currently working in a vascular interventional setting are not required to complete the clinical coursework unless additional breadth of clinical experiences is desired. Course credit for the clinical courses can be obtained through ARRT competencies achieved in the work environment.

## Program Prerequisite Courses

All applicants must complete the following course with a “C” or better:

* RADR 2340 – Sectional Anatomy for Medical Imaging

Prerequisite courses completed at colleges and universities outside Dallas College must be approved for transfer credit prior to the semester in which the course is required as stipulated in the curriculum outline.

## General Admission Requirements to the College

Applicants to the Radiologic Sciences Program must meet college admission requirements of Dallas College as outlined in the college catalog. Applicants must submit a complete set of Official Transcripts from each college attended to the College Admissions Office. Applicants must have earned either a high school diploma or General Education Development (GED) certificate in addition to complying with Texas Success Initiative (TSI) requirements. For specific information, please refer to the college catalog found on the [Dallas College Website](https://www1.dcccd.edu/catalog/cattoc.cfm?loc=0).

## Program Application Submission

Students must first apply to Dallas College and then the program. For access to the application to the program, please send an e-mail to [vmartin@dallascollege.edu](mailto:vmartin@dallascollege.edu) with your name, Dallas College student ID (if assigned), phone number, and request for access to the Vascular Interventional Radiologic Sciences program application process.

Applicants must compile the materials requested within the application and submit them as indicated. Materials must be submitted as instructed on or before the application filing deadline. Incomplete applications will not be considered for admittance.

#### The following primary supporting documents are required for all program applications. With the exception of Transcripts, all documents will be submitted through the e-campus on-line program application community:

* Official Transcripts – must be sent directly to the College Admissions Office. [Transfer to Dallas College](https://www.dcccd.edu/admissions/transfer-to/pages/default.aspx)
* Current Résumé

The applicant must submit a current résumé listing his or her previous education, work and life history. This document should contain anything in your life history that you feel is important to your application. If you need assistance with your résume’, contact the college’s Career Development Center for an appointment.

* Application Form and Essay

Submit an essay that reflects why this program is of interest to you. Include your work philosophy and why you chose Dallas College.

* Program of Study report – Used to verify completion of prerequisites.

#### If attending clinicals, additional documentation is required.

* Current cards for CPR, ARRT, and Health Insurance

All students must be certified in cardiopulmonary resuscitation (CPR) at the “Health Care Provider” or “BLS” level as designated by the American Heart Association. A copy of a current CPR card must be submitted by a designated deadline after acceptance into the program. CPR courses are available through the Dallas College Workforce and Continuing Education Division, the American Heart Association, American Red Cross, various hospitals, certified CPR instructors, etc.

* Proof of immunizations and flu shot.

A program immunization record form is to be submitted. The student submit their current immunization records to SurScan. The form documents a current record of the following immunizations:

* **Tuberculin skin test** within the last six months (if positive, a chest x-ray is required)
* **Tetanus/Diphtheria/Acellular Pertussis (Tdap)** current within 10 years
* **Measles/Mumps/Rubella (“MMR”)** *two doses of measles immunization* are required either separately or in combination with MMR
* **Varicella** (blood titer or proof of vaccine is required)
* **Meningitis Vaccine (Under 30 years of age – see website for specific instructions)**
* **Seasonal Flu Vaccine**
* **Hepatitis B Series (three injections)**
* **COVID vaccine**

* DFW Hospital Council Student Orientation – completed in the on-line e-campus application community.
* Drug screening and background check - All students enrolled in clinical courses with the Radiologic Sciences Program are required by the Dallas/Fort Worth Hospital Council to undergo a criminal background check and drug testing prior to beginning their clinical experience. This procedure is conducted ***after*** a student has been accepted to the program. Results of these screenings are forwarded to the Dallas College Radiologic Sciences Program Office for review and verification to determine that a student is eligible to attend clinical rotations. Students are responsible for all charges incurred (approximately $85) for these screenings.

A clinical agency reserves the right to remove a student from the facility for suspicion of substance use or abuse including alcohol. The clinical agency reserves the right to request that a student submit to a repeat drug screening at the student’s expense on the same day that the student is removed from the clinical facility. Failure to comply will result in the student’s immediate expulsion from the clinical facility. Further, regardless of testing or testing results, a clinical agency reserves the right to expel a student from their facility.

#### DRUG SCREENING

The drug screen follows National Institute on Drug Abuse (NIDA) guidelines and screens for 10 substances as designated in the Substance Abuse Panel 10 (“SAP 10”).

These substances are:

Amphetamines

Barbiturates

Benzodiazepines

Benzoylecgonine-Cocaine Metab

Marijuana Metabolites

Methadone

Methaqualone

Opiates

Phencyclidine

Propoxyphene

SAP 10 test results which fall outside of any of the acceptable ranges are considered positive test results and are automatically sent for a separate confirmatory test by a Gas Chromatography MSS Spectrometry (GCMS) method. If these results remain positive, the test results are sent to a Medical Review Officer (“MRO”), which will entail an additional cost of $25-75 to the student. The MRO will then contact the student to determine if there is a valid prescription for the drug in question. If a valid prescription exists and is verified, the test result will be deemed to the negative and acceptable.

If the test result is positive, the student will be dismissed from the program. The student can re-apply during the next application process but will only be admitted after a negative drug test. If the student tests positive a second time, the student will be ineligible to reapply.

If a student is readmitted after a positive drug test, the student may be drug tested on any random date throughout their program experience. On a random date, the student will be sent to a drug screen laboratory for immediate testing. If the student refuses to be tested, the student will be dismissed from the program. If the student tests positive, the student will be dismissed from the program and referred to Student Services for counseling.

#### CRIMINAL BACKGROUND CHECK

The criminal background check reviews a person’s criminal history. The check will include all cities and counties of the person’s reported residency. The following histories will disqualify an individual from consideration for a clinical rotation:

* felony convictions
* misdemeanor convictions or felony deferred adjudications involving crimes against persons (physical or sexual abuse)
* misdemeanor convictions related to moral turpitude (prostitution, public lewdness/exposure, etc.)
* felony deferred adjudications for the sale, possession, manufacture, distribution, or transfer of narcotics or controlled substances; and/or
* registered sex offenders.

## Application Filing Period

**Official application filing period for Fall semester admission: April 1 – July 15**

Notification letters are e-mailed by August 1.

*NOTE: Early submission of an application during a specific filing period does not influence ranking for admission.*

A student who applies during the official filing period and receives an acceptance letter is required to acknowledge acceptance within a specified timeframe to confirm their space in the class. Failure to acknowledge confirmation by the specified date will result in forfeiture of the student’s space in that class.

NOTE: Students who are not selected for admission the semester for which they apply or students who decline their acceptance for that semester must resubmit a new application during the next filing period to be considered for the next admission opportunity.

## Selection Process

If the applicant chooses to complete the clinical experiences at their own facility during employment work hours, then only the primary application requirements must be met for acceptance into the program.

Other qualified applicants will be placed into clinical sites agreed upon at the time of admission, as availability of facilities change from semester to semester. Students are admitted as clinical space allows based on the earliest date of application completion.

## Educational Planning

Applicants requesting coursework completed outside Dallas College for transfer as prerequisite or general support courses for the Radiologic Sciences Program should forward to the registrar’s office for [Dallas College](https://www.dcccd.edu/admissions/transfer-to/pages/default.aspx). If the registrar’s office does not officially equate the course for transfer, compile the following materials and forward to the Radiologic Science Program at Dallas College Brookhaven Campus:

* Copies of college transcripts
* Photocopy of course description of each course to be reviewed taken from that college’s catalog (course description numbers must match those indicated on the transcript).

*The Radiologic Sciences Program and the School of Health Sciences reserve the right to accept or reject any coursework completed outside Dallas College presented for transfer evaluation toward the program.*

**Coursework Completed Outside the United States**

No coursework will be accepted from a college outside of the United States.

## Financial Aid

Students should contact the Scholarships/Financial Aid Office at 972-587-2599 or [Financial Aid homepage](https://www.dcccd.edu/paying-for-college/financial-aid/pages/default.aspx) for application forms, filing procedures and deadlines. A number of area hospitals offer financial assistance to students pursuing health care careers. Please contact individual hospitals for information.

## Ethical Behavior

Students are responsible for their own actions and must not engage in any activities considered non-professional or non-conducive to proper patient care. Failure of a student to maintain a professional attitude may result in reduction of course grade, course failure, and possible expulsion from the program. A clinical agency reserves the right to remove a student from the facility for any behavior that disrupts the clinical setting or endangers a patient or peer’s well-being. If a student is removed from a clinical site for behavioral reasons, the student will be counseled by the Clinical Coordinator and the Radiologic Sciences Program Director and will receive discipline up to and including dismissal from the program.

## Transportation

Students are responsible for their own transportation arrangements to campus and to their assigned health care facilities for clinical experience. Assignments are based on availability, proximity to the student’s residence, student’s preference and clinical experiences required.

## Advisement Assistance

Please contact any of the individuals below for assistance:

Valerie Martin, MS, RT(R) – (Try first)

Radiologic Sciences Program

Faculty/Clinical Coordinator

Telephone; 972 860 4264

E-mail: [vmartin@dallascollege.edu](mailto:vmartin@dallascollege.edu)

Christi Carter, MSRS, RT(R), CIIP

Radiologic Sciences Program

Program Chair

Telephone: 972 860 4285

E-mail: [ccarter@dallascollege.edu](mailto:ccarter@dallascollege.edu)

***NOTE: Program* guidelines are subject to change. Students are advised to obtain the latest program information from the Dallas College Radiologic Sciences Program Office or on the website below.**

**Visit the** [**Radiologic Sciences CT and VI Program Web**](https://www.dcccd.edu/cd/credit/radiologic-sciences/bhc/pages/ct-and-vi.aspx) **page.**

**You can find an information packet** [**here**](https://www.dallascollege.edu/cd/credit/pages/ecc-health-packets-sessions.aspx)**.**

## CURRICULUM

## Vascular-Interventional Certificate

| PREREQUISITES | COURSE NAME | CREDIT HOURS |
| --- | --- | --- |
| [RADR 2340](https://www1.dcccd.edu/catalog/coursedescriptions/detail.cfm?loc=econ&course=RADR) | Sectional Anatomy for Medical Imaging | 3 |
| SEMESTER I - Fall | COURSE NAME | CREDIT HOURS |
| [VIRT](https://www1.dcccd.edu/cat1011/courseDescriptions/detail.cfm?loc=econ&course=RADR#2370) 2340 | Advanced Patient Care and Pathophysiology for Interventional Radiology | 3 |
| [VIRT](https://www1.dcccd.edu/cat1011/courseDescriptions/detail.cfm?loc=econ&course=RADR#2371) 1310 | Principles of Interventional Radiology I | 3 |
| [VIRT](https://www1.dcccd.edu/cat1011/courseDescriptions/detail.cfm?loc=econ&course=RADR#2170) 2164 | Practicum (or Field Experience)-Vascular Interventional Technology/Science | 1 |
| SEMESTER II Spring | COURSE NAME | CREDIT HOURS |
| [VIRT](https://www1.dcccd.edu/cat1011/courseDescriptions/detail.cfm?loc=econ&course=RADR#2372) 2310 | Principles of Interventional Radiology II | 3 |
| [VIRT](https://www1.dcccd.edu/cat1011/courseDescriptions/detail.cfm?loc=econ&course=RADR#2373) 1320 | Interventional Radiology Equipment and Methodology | 3 |
| [VIRT](https://www1.dcccd.edu/cat1011/courseDescriptions/detail.cfm?loc=econ&course=RADR#2374) 2364 | Practicum (or Field Experience)-Vascular Interventional Technology/Science | 3 |
| SEMESTER IIISummer I&II | COURSE NAME | CREDIT HOURS |
| [VIRT](https://www1.dcccd.edu/cat1011/courseDescriptions/detail.cfm?loc=econ&course=RADR#2375) 2330 | Advanced Vascular Interventional Procedures | 3 |
| [VIRT](https://www1.dcccd.edu/cat1011/courseDescriptions/detail.cfm?loc=econ&course=RADR#2270) 2265 | Practicum (or Field Experience)-Vascular Interventional Technology/Science | 2 |

Total Credit Hours required = 23

\*Archived courses no longer available but will accept as previously completed courses

Tuition is $79/credit hour for Dallas County residents and $135/credit hour for all other Texas residents. $200/credit hour for out of state/out of country residents. The tuition is subject to change.

Other expenses might include: uniforms, textbooks, dosimeter liability insurance.

## Vascular Interventional Certificate Program

## APPLICATION CHECKLIST

Use this checklist to determine if your application process is complete.

1. \_\_\_\_\_ Admission to Dallas College.

2. \_\_\_\_\_ Copies of transcripts from each college attended including one copy of a Dallas College transcript.

3. \_\_\_\_\_\_Completion of the prerequisite course RADR 2340 (sectional anatomy) must be reflected on your transcript before the program start semester

(If transfer credit needs to be applied, please contact your success coach.)

4. \_\_\_\_\_ Completed program application with verified Statement of Students’ Responsibility form.

5. \_\_\_\_\_ An essay stating why this program is of interest to you.

6. \_\_\_\_\_ Current résume’.

7. \_\_\_\_\_\_ Program of study report

8. \_\_\_\_\_\_ Copy of ARRT card

If attending clinical courses:

9. \_\_\_\_\_ Completion of the following through SurScan:

* + drug testing and background check
  + Immunization records
  + BLS CPR card
  + Health insurance verification

10. \_\_\_\_\_\_ Completion of DFW Hospital Council Student Orientation

To access the on-line program application, send an e-mail with your name, phone number, and Dallas College ID number to [vmartin@dallascollege.edu](mailto:vmartin@dallascollege.edu) . Access information will be sent to you by e-mail. Applicants must complete the following in the online program application process.