

Radiography

Associate of Applied Science Degree

Program Coordinator: Donna Corns • dcorns1@vhcc.edu • 276-739-2488 • SWCC 276-964-7642

Length: Two Years (six semesters) **

Program offered in cooperation with Southwest Virginia Community College. Degree awarded by Virginia Highlands Community College.

**Program with practical experience in a radiology department to complete requirements for ARRT certification.

Program Mission: The cooperative Radiologic Technology Program at Virginia Highlands Community College is dedicated to serve students from southwest Virginia and east Tennessee. The Program will provide a quality educational experience in the art and science of radiologic technology and help the students succeed, both academically and clinically, as entry-level radiographers. It is the Program's aim to provide a sound foundation for our students towards building a rewarding professional career, and an opportunity to qualify as a valued contributing member in the healthcare team for our region.

Accreditation: This program is fully accredited by the Joint Review Committee for Radiologic Technology Education (JRCERT), 20 North Wacker Drive, Suite 2850, Chicago, Illinois, 60606-3182, phone (312)704-5300. You may also contact JRCERT at mail@jrcert.org or at www.jrcert.org. Detailed Program Effectiveness Data is available from the link on the right side of the page. The JRCERT also publishes program effectiveness data, available at <https://portal.jrcertaccreditation.org/accredited-educational-programs/details/3fdeb5d1-39bf-4da8-8aff-0f5fe1a817a0>.

Occupational Objectives: Employment opportunities for well-trained registered radiographer are available in hospitals, clinics, education, industry, government agencies, and private offices.

- Upon completion of the radiography program, graduates will be required to take the American Registry of Radiologic Technologist national board examination to be eligible for employment in a hospital-based imaging department.
- State license requirements for employment outside a hospital setting vary from state to state.
- License requirements can be obtained from the state's board of health. If a student plans to live or move outside Virginia, a list of state educational requirements can be obtained by consulting the program director.

Admission Requirements: In addition to the general admission requirements to the College, applicants must be high school graduates, or equivalent, and must reflect "C" average. A cumulative GPA of 2.0 must be achieved on all college work.

To meet the Radiography Program specific admission requirements the applicant must have completed and submit for file at the college by February 15th:

- One unit of biology with lab, and one unit of chemistry with lab with a "C" or better.
- Biology 101 and Chemistry 5 or 111 at VHCC will be considered equivalent to high school biology and chemistry.
- Students must be eligible for ENG 111 and MTH 154. All prescribed development work must be completed prior to admission to program.
- Submit a Radiography application (including all high school and college transcripts or copy of GED) by the February 15 deadline.
- Hospital observation requirement in a Radiology Department for a minimum of twelve (12) hours; this observation is to be documented by radiology personnel denoting date(s) and time(s) or alternative assignment during adverse conditions

(See Program Director for applicability). Report (PDF) must be attached to the application sent to admissions, and emailed to dcorns1@vhcc.edu.

- Attend an information session with Radiography Program faculty.
- Applicants to the Radiography program must have taken the Test of Essential Academic Skills - also known as the ATI TEAS - Allied Health within the last five years. (We will also accept the ATI TEAS, if students have taken that version in order to apply to a nursing program.) The ATI TEAS Score Report (PDF) must be attached to the application sent to admissions, and emailed to dcorns1@vhcc.edu. Register for the TEAS test at www.atitesting.com. Choose Abingdon, Virginia for testing delivered at Virginia Highlands

The Radiology Program admission requirements listed must be completed and on file by the established deadline.

Students should make their advisor aware of any plans to transfer to a senior institution. Students who are planning to transfer to a senior institution may be advised to take upper-level math and science courses as prerequisites to the Radiography Program.

Students selected for the Radiography Program are required to submit a Health Certificate complete with a physical examination/vaccination history signed by a physician prior to final admission to the program. The certificate will be furnished by the program and when returned, it will be kept on file for program documentation. Applicants are to wait for selection notification from the program before proceeding with the physical examination due to the expense involved.

When enrollments must be limited for any curriculum, priority shall be given to all qualified applicants who are residents of the political subdivisions (Washington County, the City of Bristol, and the western half of Smyth County), supporting the College and to Virginia residents not having access to a given program at their local community college, provided such students apply for admission to the program prior to registration or by a deadline established by the College. In addition, residents of localities with which the College has clinical-site or other agreements may receive equal consideration for admission. To be considered as a Virginia resident, an applicant must be domiciled within Virginia for 12 months prior to February 15. Applicants moving out-of-state between February 15 and the first day of classes will lose their preferred status and any offer of admission to the program will be withdrawn. Out-of-region applicants who are Virginia residents will be considered for program openings available after April 1 and out-of-state applicants for openings available May 1.

TECHNICAL STANDARDS:

Physical Demands:

A. Duties frequently require squatting, bending, kneeling, reaching, and stair climbing. Also includes occasional crawling and climbing.

B. Duties include lifting/positioning of patients and equipment required to provide care:

- frequent lifting and carrying up to 50 pounds
- frequent pushing and pulling up to 200 pounds with assistance
- occasional lifting up to 200 pounds with assistance
- occasional carrying up to 51-74 pounds

C. Duties require constant use of acute sense of sight, hearing, and touch.

- ability to read orders, test results, instructions, labels differentiate color, consistency
- must be able to hear heart sounds, etc.
- must be able to palpate and distinguish heat/cold

Environmental Conditions:

Environmental conditions include procedures that involve handling blood and body fluids using universal precautions.

Program Requirements: Upon admission and during the course of the program, the radiologic faculty will carefully observe and evaluate the student's suitability for the profession. If, in the opinion of the radiologic faculty, a student does not exhibit professional behavior, the student may be asked to withdraw from the program.

Once enrolled, students who receive a final grade lower than "C" in any of the courses in radiography or related areas must obtain permission from the program director to continue the major in radiography.

Selected learning experiences will be provided at the cooperating hospitals within the geographic areas served by the college. The student is expected to provide transportation to such facilities. Travel, time and expense, must be anticipated because of program design and location. Travel distance will vary from 1-60 miles one way from your home campus depending on the hospital clinical assignment.

The purchase of items such as student's uniforms, accessories, health and liability insurance are the financial responsibility of the individual student.

Criminal Background Checks/Drug Testing:

Background checks for criminal history and sex offender crimes against minors are required for entrance into some clinical agencies. Students with convictions may be prohibited from clinical practice and may not complete the program. Clinical agencies may require drug testing prior to placement of students for clinical rotations. Students with positive drug test results may be prohibited from clinical practice and may not complete the program. Cost for criminal background checks and drug testing will be the responsibility of the student.

Radiography is a cooperative program with Southwest Virginia Community College and Virginia Highlands Community College.

Program Contact: Donna Corns dcorns1@vhcc.edu, 276-739-2488 or at SWCC: donna.corns@sw.edu, 276-964-7642.

| Course Number | Course Title | Lecture Hours | Lab Hours | Credits |
|---------------------------------|--|---------------|-----------|-----------|
| Summer Session | | | | |
| RAD 105 | Intro to Radiology Protection & Patient Care (Term II) | 3 | 0 | 3 |
| SDV 100 | College Survival Skills | 1 | 0 | 1 |
| RAD 195 | Ethics & Teamwork (Term II) | 1 | 0 | 1 |
| ENG 111 | ¹ College Composition | 3 | 0 | 3 |
| Total | | 8 | 0 | 8 |
| First Semester (Fall) | | | | |
| MTH 154 | Quantitative Reasoning | 3 | 0 | 3 |
| BIO 141 | Human Anatomy & Physiology I | 3 | 3 | 4 |
| RAD 110 | Imaging Equipment and Protection | 3 | 0 | 3 |
| RAD 121 | Radiographic Procedures I | 3 | 3 | 4 |
| Total | | 12 | 6 | 14 |
| Second Semester (Spring) | | | | |
| HLT 143 | Medical Terminology | 3 | 0 | 3 |
| BIO 142 | Human Anatomy and Physiology II | 3 | 3 | 4 |
| RAD 112 | Radiologic Science II | 3 | 3 | 4 |
| RAD 221 | Radiographic Procedures II | 3 | 3 | 4 |
| Total | | 12 | 9 | 15 |
| Summer Session | | | | |
| RAD 205 | Radiation Protection & Radiobiology (Term I) | 3 | 0 | 3 |
| RAD 190 | ² Coordinated Internship (Term I) | 0 | 10 | 2 |
| RAD 190 | ³ Coordinated Internship (Term II) | 0 | 15 | 3 |
| Total | | 3 | 25 | 8 |

| Course Number | Course Title | Lecture Hours | Lab Hours | Credits |
|---|--|---------------|-----------|-----------|
| Third Semester (Fall) | | | | |
| RAD 290 | Coordinated Internship | 0 | 15 | 3 |
| RAD 290 | Coordinated Internship | 0 | 15 | 3 |
| RAD 246 | Special Procedures | 2 | 0 | 2 |
| RAD 270 | Digital Image Acquisition & Display | 1 | 3 | 2 |
| PSY 230 | Developmental Psychology | 3 | 0 | 3 |
| Total | | 6 | 33 | 13 |
| Fourth Semester (Spring) | | | | |
| RAD 290 | Coordinated Internship | 0 | 15 | 3 |
| RAD 290 | Coordinated Internship | 0 | 15 | 3 |
| RAD 240 | Radiographic Pathology | 3 | 0 | 3 |
| RAD 215 | Correlated Radiographic Theory | 2 | 0 | 2 |
| EEE | ⁴ Humanities/Fine Arts Elective | 3 | 0 | 3 |
| Total | | 8 | 30 | 14 |
| Total Minimum Credits for the AAS Degree | | | | 72 |

Footnotes:

1. Students who wish to pursue a Baccalaureate Degree are advised to take both ENG 111 and 112.
2. RAD 190 – 2 credit hour (Term I) - 5-week summer sessions will spend 30 hours per week for 5 weeks, equaling 150 total hours.
3. RAD 190 – 3 credit hour (Term II) – 5-week summer sessions will spend 40 hours per week for 5 weeks, equaling 200 total hours.
4. Students may substitute PSY 231-232 (both required) for PSY 230. Humanities/Fine Arts: Students may choose from the following courses: Philosophy, Religion, Music Appreciation and Art Appreciation.

Download the Radiography Handbook [pdf]

Download the Shadow/Observation Form [pdf]

