Radiologic Technology, A.A.S.

Degree Offered

- Associate of Applied Science

Nature of the Program

The Radiologic Technology AAS program is offered as a partnership between WVU Potomac State College (WVU PSC) and WVU Hospitals (WVUH). To earn this degree, students complete all radiologic technology courses at a specific WVU Hospital and 15 hours of general education courses through WVU PSC. All general education courses can be completed online. Upon completion of the program, students are eligible to take the American Registry of Radiologic Technologists (ARRT) certification exam in radiography to become a certified radiologic technologist.

Radiologic Technologists are medical professionals who produce diagnostic images through the application of ionizing radiation utilizing x-ray, fluoroscopic and computerized tomography equipment. Primary job tasks include the following:

- Operation/usage of imaging equipment.
- Patient positioning and manipulation
- Administration of IV and oral contrast agents
- Limiting radiation dose through the selection of appropriate exposure factors and dose reducing techniques.
- Computerized image processing and manipulation
- Basic patient care
- Providing procedural support for radiologists & physicians

Upon completion of the program, students are eligible to take the ARRT exam to become certified. Certification allows students to work as radiologic technologists employed in diagnostic imaging, computerized tomography and/ or interventional radiography roles in hospitals, clinics, and imaging centers. Certification also allows students to pursue advanced education in subspecialties such as magnetic resonance imaging (MRI), nuclear medicine, radiation therapy, diagnostic medical sonography and echocardiography.

Accreditation

The WVU Hospital Radiography program is accredited by the *Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182 Phone: (312) 704-5300 email: mail@jrcert.org*

FACULTY

CHAIR

- Erin Cunningham - M.S. Biology
  Year @ PSC 2007

Admissions

Admission to this program is selective and has the following additional requirements beyond meeting the general admission requirements for WVU PSC:

1. High school and/or college GPA of 2.0 or better or passing score on High School Equivalency Exam.
2. Composition ACT score of 19 (or higher) or a composite SAT score of 990 (or higher).
3. Meet ethical standards as imposed by the ARRT. Individuals with conviction records related to misdemeanor, gross misdemeanor, or felony, or any alcohol or drug-related violations as adults may be ineligible for professional certification.

Applications and supporting documents (official ACT or SAT scores; High School Equivalency Exam or high school transcript; any college transcripts) are due by March 1.

Scoring for admissions includes a section for completion (grade of “C” or higher) of high school mathematics (Algebra, Geometry, Algebra II, or Trigonometry) or the college course equivalents, and for completion (grade of “C” or higher) of high school level science courses (Biology, Physics, Chemistry, Human Anatomy and Physiology) or the college course equivalents. No points are awarded for a “D” or “F”, but the application will be reviewed.

Additional program requirements include:

- Students must pass a criminal background check, meet health and immunization requirements, and drug testing.
- Students must be able to meet the essential functions of the program and classes, with or without accommodations.
- Students will need to provide their own transportation to assigned clinical sites.

Applicants who are admitted to WVU PSC but not to the radiologic technology program can change their major to health science, general studies or another option and reapply for the next academic year.

Current students who want to apply should apply as a transfer student (https://admissions.potomacstatecollege.edu/apply/transfer-student/) and enter their Potomac State College info for any questions about their college.

General Education Foundations

Please use this link to view a list of courses that meet each GEF requirement. (http://registrar.wvu.edu/gef/)

NOTE: Some major requirements will fulfill specific GEF requirements. Please see the curriculum requirements listed below for details on which GEFs you will need to select.

Code	Title	Hours
General Education Foundations		
F1 - Composition & Rhetoric		3-6
ENGL 101 & ENGL 102	Introduction to Composition and Rhetoric and Composition, Rhetoric, and Research	
or ENGL 103	Accelerated Academic Writing	
F2A/F2B - Science & Technology		4-6
F3 - Math & Quantitative Reasoning		3-4
F4 - Society & Connections		3
F5 - Human Inquiry & the Past		3
F6 - The Arts & Creativity		3
F7 - Global Studies & Diversity		3
F8 - Focus (may be satisfied by completion of a minor, double major, or dual degree)		9
Total Hours		**31-37**

Please note that not all of the GEF courses are offered at all campuses. Students should consult with their advisor or academic department regarding the GEF course offerings available at their campus.

Curriculum Requirements

Code	Title	Hours
GEF Electives 2 and 3		6
WVUE 191	First Year Seminar	1
ENGL 101	Introduction to Composition and Rhetoric (GEF 1)	3
COMM 104	Fundamentals of Public Communication (GEF 5)	3
PSYC 101	Introduction to Psychology (GEF 4)	3
A minimum grade of C- is required in all RTEC courses.		
RTEC 101	Patient Care & Procedures	1
RTEC 102	Image Analysis and Evaluation 1	1
RTEC 112L	Human Structure and Function 1	3
RTEC 115L	Radiologic Procedures 1	3
RTEC 116L	Image Production & Characteristics 1	3
RTEC 122L	Human Structure and Function 2	3
RTEC 125L	Radiologic Procedures 2	3
RTEC 126L	Image Production & Characteristics 2	3
RTEC 130	Radiation Physics 1	2
RTEC 132	Image Analysis and Evaluation 2	1
RTEC 140	Radiation Physics 2	2
RTEC 150C	Clinical Experience 1	3
RTEC 155C	Clinical Experience 2	3

RTEC 211	Professional Development & Medical Ethics	1
RTEC 214	Radiation Protection and Biology	3
RTEC 221	Radiographic Pathology	2
RTEC 222	Neuro-Interventional Radiology	2
RTEC 223	Sectional Anatomy	1
RTEC 226	Drugs & Pharmacology in Imaging	1
RTEC 227	Digital Imaging & Computerized Tomography	3
RTEC 238	Senior Research	1
RTEC 248	Radiography Seminar	2
RTEC 250C	Clinical Experience 3	4
RTEC 255C	Clinical Experience 4	4
Total Hours		**71**

Suggested Plan of Study

First Year

Fall	Hours	Spring	Hours
WVUE 191	1	ENGL 101 (GEF 1)	3
RTEC 101	1	RTEC 122L	3
RTEC 102	1	RTEC 125L	3
RTEC 112L	3	RTEC 126L	3
RTEC 115L	3	RTEC 132	1
RTEC 116L	3	RTEC 140	2
RTEC 130	2	RTEC 155C	3
RTEC 150C	3		
	17		**18**

Second Year

Fall	Hours	Spring	Hours
COMM 104 (GEF 5)	3	PSYC 101 (GEF 4)	3
RTEC 214	3	RTEC 211	1
RTEC 221	2	RTEC 223	1
RTEC 222	2	RTEC 226	1
RTEC 238	1	RTEC 227	3
RTEC 250C	4	RTEC 248	2
GEF 3	3	RTEC 255C	4
		GEF 2	3
	18		**18**

Total credit hours: 71

Major Learning Outcomes

RADIOLOGIC TECHNOLOGY

Upon completion of the program, graduates will:

- Demonstrate entry-level clinical competence in diagnostic imaging
- Practice effective communication skills
- Employ critical thinking / problem solving skills
- Demonstrate professionalism