

**Northern Virginia Community College 2010-2011 Catalog**  
**Medical Education - Allied Health and Nursing Curricula**

**RADIOGRAPHY**

Associate of Applied Science Degree

**MEC**

*Purpose:* The curriculum is designed to prepare students to produce diagnostic images of the human body through safe application of x-radiation. The radiographer is a central member of the health care team and assists the radiologist, a physician specialized in body image interpretation. Upon successful completion of degree requirements, the student will be eligible to take the American Registry of Radiologic Technology (ARRT) examination leading to certification as a Registered Technologist in Radiography: A.S., R.T. (R).

*Transfer Information:* Transfer is **not** the primary purpose of an A.A.S. program, but NOVA has articulation agreements that facilitate the transfer of this and other career-oriented programs to selected senior institutions. Students interested in transfer should contact a counselor or their faculty advisor early in their program.

*Admission Requirements:*

**Students must:**

- Comply with all General Admission Requirements for Allied Health Programs.
- Review on-line information session at [www.nvcc.edu/campuses-and-centers/medical/academic-divisions/info-session/radiography-diagnostic-imaging.html](http://www.nvcc.edu/campuses-and-centers/medical/academic-divisions/info-session/radiography-diagnostic-imaging.html).
- Review competitive admission and deadline for applications on the radiography website at [www.nvcc.edu/campuses-and-centers/medical/academic-divisions/allied-health/diagnostic-imaging-radiography.html](http://www.nvcc.edu/campuses-and-centers/medical/academic-divisions/allied-health/diagnostic-imaging-radiography.html).
- Qualify for MTH 151.
- Have completed BIO 141 and BIO 142 with a grade of "B" or higher.
- Have completed ENG 111 with a "B" or higher.
- Have completed SDV 101 Orientation to Healthcare with a "B" or higher.
- Have completed RAD 100 with a "B" or higher.
- Have completed a clinical observation.
- Special Program Requirements: The American Registry of Radiologic Technology requires an applicant to be of good moral character. "Generally, the conviction of either (a) felony or (b) any offense, misdemeanor or felony involving moral turpitude indicates a lack of good moral character for registry purposes. Those who have been convicted of a crime may be eligible for registration if they have served their entire sentence, including probation and parole, and have had their civil rights restored." For further information contact the assistant dean.

All incomplete grades (I) must be resolved prior to taking the next course in the sequence.

**Prerequisites:**

		<b>Credits</b>
*BIO	141 Anatomy & Physiology I	4
*BIO	142 Anatomy & Physiology II	4
ENG	111 College Composition I	3
RAD	100 Intro to Radiology & Protection	2
SDV	101 Orientation to Healthcare	<u>1</u>
	<b>Total</b>	<b>14</b>

**Two Years**

**1st Semester**

		<b>Credits</b>
<sup>1</sup> PED	116 Lifetime Fitness & Wellness	1
<sup>1</sup> PED/RPK		1
RAD	121 Radiographic Procedures I	4
RAD	125 Patient Care Procedures	3
RAD	141 Principles of Radiation Quality I	4
RAD	196 On-Site Training	<u>2</u>
	<b>Total</b>	<b>15</b>

*Continued...*

**2nd Semester**

RAD	131 Elem. Clinical Procedures I	3
RAD	142 Principles of Radiation Quality I	4
RAD	221 Radiographic Procedures II	4
<sup>2</sup> ____	Social Science Elective	<u>3</u>
	<b>Total</b>	<b>14</b>

**3rd Semester**

<sup>3</sup> RAD	135 Elem. Clinical Procedures II	<u>5</u>
	<b>Total</b>	<b>5</b>

**4th Semester**

RAD	205 Radiation Protection & Radiobiology	3
RAD	231 Adv. Clinical Procedures I	5
RAD	255 Radiographic Equipment	<u>3</u>
	<b>Total</b>	<b>11</b>

**5th Semester**

<sup>4</sup> ____	Humanities/Fine Arts Elective	3
MDL	195 Infusion Therapy	1
RAD	232 Adv. Clinical Procedures II	5
RAD	240 Radiographic Pathology	3
RAD	246 Special Procedures	<u>1</u>
	<b>Total</b>	<b>13</b>

**Total credits for the A.A.S. Degree in Radiography = 72** (includes 14 prerequisite credits)

\* NAS 161-162 may be substituted but is not recommended for students who might wish to transfer to a baccalaureate program.

<sup>1</sup> The PED requirement may be met by one of the following options: PED 116, 2 cr.; PED 220, 2 cr.; PED 116, 1 cr. plus a PED activities course, 1 cr.; or PED 116, 1 cr. plus RPK activities course. PED 116 is offered as both a 1-credit and a 2-credit course. PED 116, 2 cr., is strongly recommended.

<sup>2</sup> The social science elective may be selected from the social/behavioral sciences courses listed under General Education Electives.

<sup>3</sup> RAD 135 meets for 40 hours a week for ten weeks.

<sup>4</sup> Humanities/fine arts elective may be selected from the humanities/fine arts courses listed under General Education Electives.