

RADIOGRAPHY

(A45700)

Associate in Applied Science Degree

The Radiography curriculum prepares the graduate to be a radiographer, a skilled health care professional who uses radiation to produce images of the human body.

Course work includes clinical rotations to area health care facilities, radiographic exposure, image processing, radiographic procedures, physics, pathology, patient care and management, radiation protection, quality assurance, anatomy and physiology, and radiobiology.

Graduates of accredited programs are eligible to apply to take the American Registry of Radiologic Technologists' national examination for certification and registration as medical radiographers. Graduates may be employed in hospitals, clinics, physicians' offices, medical laboratories, government agencies, and industry.

Mission Statement: The Radiography Program at Vance-Granville Community College seeks to recruit and retain qualified students to acquire the knowledge and skills necessary to pass the American Registry of Registered Technologists' national examination and obtain gainful employment in the field of Radiography through didactic and clinical experiences.

COURSE AND HOUR REQUIREMENTS

| Title | Class | Lab | Work Exp/ | | Credits |
|-------------------------------------------|-----------------------------------------|-----|-----------|---|---------|
| | | | Clinical | | |
| I. GENERAL EDUCATION COURSES | | | | | |
| Communications: | | | | | |
| ENG 111 | Expository Writing | 3 | 0 | 0 | 3 |
| ENG 114 | Professional Research & Reporting | 3 | 0 | 0 | 3 |
| Humanities/Fine Arts: (Select one) | | | | | |
| HUM 121 | American Experience | 3 | 0 | 0 | 3 |
| HUM 122 | Southern Culture | 3 | 0 | 0 | 3 |
| Natural Science/Mathematics: | | | | | |
| MAT 115 | Mathematical Models | 2 | 2 | 0 | 3 |
| Social/Behavioral Science: | | | | | |
| PSY 150 | General Psychology | 3 | 0 | 0 | 3 |
| A. CORE | | | | | |
| Required Courses: | | | | | |
| RAD 110 | Radiography Introduction & Patient Care | 2 | 3 | 0 | 3 |
| RAD 111 | Radiographic Procedures I | 3 | 3 | 0 | 4 |
| RAD 112 | Radiographic Procedures II | 3 | 3 | 0 | 4 |

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| RAD 121 | Radiographic Imaging I | 2 | 3 | 0 | 3 |
| RAD 122 | Radiographic Imaging II | 1 | 3 | 0 | 2 |
| RAD 131 | Radiographic Physics I | 1 | 3 | 0 | 2 |
| RAD 151 | RAD Clinical Education I | 0 | 0 | 6 | 2 |
| RAD 161 | RAD Clinical Education II | 0 | 0 | 15 | 5 |
| RAD 171 | RAD Clinical Education III | 0 | 0 | 12 | 4 |
| RAD 211 | Radiographic Procedures III | 2 | 3 | 0 | 3 |
| RAD 231 | Radiographic Physics II | 1 | 3 | 0 | 2 |
| RAD 241 | Radiobiology/Protection | 2 | 0 | 0 | 2 |
| RAD 245 | RAD Quality Management | 1 | 3 | 0 | 2 |
| RAD 251 | RAD Clinical Education IV | 0 | 0 | 21 | 7 |
| RAD 261 | RAD Clinical Education V | 0 | 0 | 21 | 7 |
| RAD 271 | Radiography Capstone | 0 | 3 | 0 | 1 |

Required Subject Areas: None

B. CONCENTRATION: (Not applicable)

C. OTHER MAJOR HOURS:

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|---------|----------------------------|---|---|---|---|
| BIO 163 | Basic Anatomy & Physiology | 4 | 2 | 0 | 5 |
| CIS 111 | Basic PC Literacy | 1 | 2 | 0 | 2 |

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 75