

Course of Study Plan

DPS 61 High Schools

Health Science/Diagnostic Services

Program of Study:
RADIOGRAPHY (RADT)



Radiography is the art and science of producing radiographic (x-ray) images of internal structures using knowledge of anatomy, physics, radiographic procedures, communication, radiation protection, and patient care. Radiographers also assist radiologists, doctors who interpret medial images and perform invasive procedures. Due to improvements in technology, this is a fast-paced, constantly-changing profession.

| CAREER POSSIBILITIES | | SUGGESTED COURSEWORK | | | |
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| <p>Radiographers, RT(R)s, work in a variety of settings including hospitals, clinics, imaging centers, and physicians' offices. Employment outlook is expected to continue to grow due to increased diagnostic imaging and aging population.</p> <p>With additional education, RT(R)s may specialize in the following areas:</p> <ul style="list-style-type: none"> • MRI • Mammography • Radiation Therapy • Radiation Dosimetry • Ultrasound/Sonography • Nuclear Medicine • Cardiovascular-Interventional • Radiologist Assistant | High School | 9th | English I | Health, Physical Education (semester each) | |
| | | | Algebra I | Freshman Seminar | |
| | | | Biology (minimum grade of B) | Elective | |
| | | | World Geography | | |
| | | 10th | English II | Physical Education | |
| | | | Geometry (minimum grade of C) | Driver's Ed | |
| | | | Honors Chemistry I (minimum grade of B) | Elective | |
| | | | World History | | |
| | | 11th | American Literature | Physical Education | |
| | | | Algebra II | HTA Dual Credit Options for Elective: | |
| | | | Human Anatomy & Physiology (minimum grade of B) | Intro to Health Careers (HLTH 115) & | |
| | | | U.S. History | Medical Terminology (HLTH 140)* | |
| 12th | World Literature or RCC ENGL 101 | Physical Education | | | |
| | Math 098 | Dual Credit Option for Elective: | | | |
| | Physics | RADT 101 *-HTA (Fall) or dual credit (Spring) | | | |
| | Psychology or RCC PSYCH 110 | HLTH 140 Med Term* (dual credit)-Fall | | | |
| | Consumer Education Requirement (semester) | | | | |
| <p>CAREER EXPLORATION OPPORTUNITIES</p> <p>Career Inquiries - Career Cruising</p> <p>Career Coach http://richland.emsicareercoach.com/</p> <p>Job Shadowing: Contact human resource department at area hospitals to schedule</p> <p>RCC Radiography Web site http://www.richland.edu/programs/radt</p> <p>ASRT Career Center http://www.asrt.org/main/careers/careers</p> | Post Secondary | Transitional Notes | *To transition directly into the program high school students must take these courses and earn a minimum ACT Composite (21), Science Reasoning (20), English (15), Reading (15), Math (15) | | |
| | | | This is a selective admission program. http://www.richland.edu/health/admissions | | |
| | | | Link for Radiography Program Admission Worksheet: http://www.richland.edu/sites/richland.edu/files/programs/hlth/Radiography_Program_Admission0813.pdf | | |
| | | | Clinical sites that Richland's program uses require background checks and drug screens. | | |
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| <p>CERTIFICATION/LICENSURE</p> <p>ARRT www.arrrt.org/Certification</p> <p>Illinois Emergency Management Agency</p> <p>In Illinois, both ARRT & IEMA needed</p> | AAS | Radiography program includes classroom, lab, and clinical experiences. Sequence and program details found in Catalog. http://www.richland.edu/sites/richland.edu/files/catalog/current_year_subsections/radt.pdf | | | |
| | | <p>PROFESSIONAL ASSOCIATIONS</p> <p>ASRT www.asrt.org</p> <p>ISSRT www.issrt.org</p> | Post AAS | To maintain ARRT credentials needed for employment, continuing education (CE) credits are required. To advance into management or educational positions, a bachelor's degree or higher may be required. These are available through a variety of institutions such as Rush University, SIU-C, and Midwestern State University. | |
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