NorthOaks Health

School of Radiologic Technology

2027 Catalog

The school is located at 42161 Veterans Blvd., Suite 101, Hammond, Louisiana,
(behind the North Oaks Employment Center, side entrance).

The mailing address is:
North Oaks School of Radiologic Technology
P.O. Box 2668
Hammond, Louisiana 70404
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The School of Radiologic Technology catalog and policies are reviewed annually for revisions, corrections, or changes to be made. The school reserves the right to change policies stated herein when necessary. All such changes are effective at such times as the proper authorities determine and may apply not only to prospective students, but also to those who are already enrolled in the program.

North Oaks School of Radiologic Technology is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Radiologic Technology is a health care profession that combines technical equipment and human care for a rewarding career. Radiologic Technology incorporates the use of ionizing radiation for diagnostic images and therapeutic applications for diagnosis and treatment of diseases and injuries. Upon completion of this program, graduates are eligible to take the American Registry of Radiologic Technologists (ARRT) national certification examination and apply for Louisiana state licensure through the Louisiana State Radiologic Board of Examiners (LSRTBE).

Radiologic Technology is a profession that applies knowledge of anatomy, physiology, positioning and specific techniques to demonstrate anatomical structures on image receptors. Technologists apply appropriate technical factors in achieving quality images with minimal radiation to patients and personnel. They are compassionate, responsible individuals with a strong commitment to quality patient care.

Radiologic Technology also consists of several other disciplines which require further education or job training, such as: Mammography, Cardiovascular/ Interventional Technology, Computerized Tomography (CT), Magnetic Resonance Imaging (MRI), Sonography, Nuclear Medicine, Radiation Therapy, Positron Emission Tomography (PET), Medical Image Management and Processing System (MIMPS) Administration, and Radiologist Assistant.

MISSION STATEMENT

The mission of North Oaks School of Radiologic Technology is to provide qualified students with a comprehensive education that prepares them to be committed, competent, and professional entry-level radiographers who provide safe and compassionate care, improving lives every time with every touch.

PROGRAM GOALS

1. Students competently perform radiologic examinations and procedures with safe and compassionate care.

   ### LEARNING OUTCOMES

   a) Students will demonstrate competence in positioning routine procedures.
   b) Students will understand and apply principles of radiation safety.
   c) Students will understand and provide basic care.

2. Students will be proficient in critical thinking/problem solving in the practice of Radiologic Technology.

LEARNING OUTCOMES

a) Students will be able to adapt to non-routine situations/procedures.
b) Students will evaluate images for diagnostic quality.

3. Students will demonstrate effective communication skills in the practice of Radiologic Technology.

LEARNING OUTCOMES

a) Students will demonstrate effective oral communication skills.
b) Students will practice effective written communication skills in preparing professional communications.

PROGRAM EFFECTIVENESS

OUTCOMES

1. Students will pass the ARRT national certification examination on the 1st attempt within 6 months post-graduation.
2. Students will complete the two-year program.
3. Students actively seeking employment will be employed within 12 months post-graduation.
4. Employers will indicate graduates are competent and prepared for employment.
5. Graduates will indicate they are competent and prepared for employment.

ACCREDITATION/COMPLIANCE WITH STANDARDS

The North Oaks School of Radiologic Technology is accredited and evaluated by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The JRCERT is the only organization recognized by the U.S. Department of Education to accredit programs in radiography, radiation therapy, magnetic resonance and medical dosimetry.

The "Standards for an Accredited Educational Program in Radiography" are available through the program director, or by writing to JRCERT, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901 or at **www.jrcert.org**. If, at any time, an individual believes the program is in non-compliance with these standards, a written, detailed complaint should be brought to the program director's attention by using the "Non-Compliance Allegations Reporting Form" available in the Student Handbook. Awareness of the standards is mandatory prior to making a complaint.

Upon receipt of the form, the program director will review the complaint with program officials to determine if non-compliance exists. A response will be forthcoming within 10 days of receiving the complaint. Legitimate complaints will result in a written plan of action to bring the program into compliance. If the results are unsatisfactory, the filing party may request a meeting with the Advisory Committee within 30 days of the original complaint. A response will be made within 10 days of this meeting. If these results are unsatisfactory, the complaint, along with all documentation and contact information, will be forwarded to the North Oaks Medical Center President/CEO and/or JRCERT.

However, if the student is unable to resolve the complaint with institutional/ program officials or believes that the concerns have not been properly addressed, the individual may submit allegations of noncompliance directly to the JRCERT.

CERTIFICATION

The 24-month course leads to a certificate of completion in Radiography; and graduates are eligible to apply for the American Registry of Radiologic Technologists (ARRT) national certification examination. After passing the examination, graduates will become a registered radiologic technologist using the credentials R. T.(R)(ARRT).

The ARRT Ethics Committee conducts a thorough review of candidates for their eligibility to sit for the certification exam. Candidates must be of good moral character. Conviction of a misdemeanor or felony may indicate a lack of good moral character for ARRT purposes. The committee may delay or deny the eligibility of an applicant. All candidates must report:

- Charges or convictions, including those that were stayed, withheld/deferred, set aside, or suspended
- Any plea of guilty, Alford plea, or plea of no contest (nolo contendere)
- Court supervision, probation, or pre-trial diversion
- Traffic violations charged as a misdemeanor or felony
- Traffic violations that involved drugs or alcohol.

The ARRT Standard of Ethics may be obtained from the program director or found **here**.

PROGRAM GOVERNING BODY

- **Michele K. Sutton, FACHE**
  President/Chief Executive Officer
  North Oaks Medical Center Administrator
- **Heather C. Koepp, MA, R.T.(R)(ARRT), CHES**
  North Oaks School of Radiologic Technology Program Director

PROGRAM FACULTY

- Heather C. Koepp, MA, R.T.(R)(ARRT), CHES
- Kimberly Lacrouts, AAS, R.T.(R)(MR)(ARRT)
- Brandon Klein, BS, R.T.(R)(T)(ARRT)
- Ben Raney, BSEET

CLINICAL PRECEPTORS

There is a minimum of one clinical preceptor for each recognized clinical setting and one clinical preceptor for every 10 students. All clinical preceptors/supervisors are certified by the American Registry of Radiologic Technologists (ARRT) and licensed by the Louisiana State Radiologic Technology Board of Examiners (LSRTBE).

PARTNERSHIP

North Oaks School of Radiologic Technology has a partnership with Northshore Technical Community College (NTCC). Students who meet NTCC requirements may be eligible for an associate degree upon graduation. Thirty credit hours of specific general education courses must be earned from an accredited college or university.

If an applicant does not have an associate degree or higher, a minimum of 15 credit hours must be earned at NTCC. If not and if accepted into the radiologic technology program, the student may fulfill this requirement through dual enrollment courses offered by the School of Radiologic Technology and NTCC.

Dual enrollment courses are offered for $50/credit hour.

The remaining 30 hours for the degree are earned at the North Oaks School of Radiologic Technology; and NTCC will award an associate degree to students who satisfy NTCC and the School of Radiologic Technology's requirements.

Please contact NTCC directly for more information about the required specific **general education courses**.

CALENDAR

The application deadline is May 15, 2027. Beginning in July of each year, the school offers a 24-month, full-time program. Fall semester extends from July to December and spring semester is January to June.

STUDENT HOURS

Classroom instruction and clinical training entails 37 hours per week. The daily schedule consists of daytime classes; and day, evening, and weekend clinical rotations.

BENEFITS

North Oaks School of Radiologic Technology observes the following holidays:
New Year's Day, Mardi Gras, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas.

Time Off Per Year……. 6 days
Fall Semester Break …….. 1 week
Winter Semester Break……. 2 weeks
Spring Semester Break……... 1 week
Summer Semester Break…… 1 week

ADMISSION REQUIRMENTS

1. Complete applications for admission will be accepted from January 1, 2027, through May 15, 2027.

   All required documents, including application fee, official transcripts, reference forms, and any other application materials, must be received by 4:30 pm on May 15, 2027, for the application to be considered complete and eligible for review.

   The only exception to the May 15, 2027, deadline is final transcripts reflecting coursework completed during the 2027 Spring semester. Transcripts for the 2027 Spring semester must be received by 4:30 pm on May 31, 2027.

   If the application is incomplete, the applicant will be notified, and the application will be withdrawn.

2. Applicant must have a high school diploma or GED/HiSET.

3. Applicant must be 18 years old or older by September 1st of the year of application to the school.

4. An official ACT highest battery composite score or superscore of 19 or above.

5. Applicant must have an associate degree or higher; **OR** 30 credit hours of specific general education courses.

   The following general education courses must be completed with a "C" or better:

English Composition I – 3 hours	General Education elective – 3 hours
English Composition II – 3 hours	Behavioral Science I elective – 3 hours
Math elective – 3 hours	Behavioral Science II elective – 3 hours
Fine Arts elective – 3 hours	Natural Science I elective – 3 hours
Humanities elective – 3 hours	Natural Science II elective – 3 hours

   General elective options can be found **here**.

   If an applicant does not have an associate degree or higher, a minimum of 15 credit hours must be earned at Northshore Technical Community College (NTCC). If not and if accepted into the radiologic technology program, the student may fulfill this requirement through dual enrollment courses offered by the School of Radiologic Technology and NTCC.

   Dual enrollment courses are offered for $50.00/credit hour.

6. Applicant should provide **all** official high school and college transcripts.

   Applicant must have a minimum college GPA of 2.5 on a 4.0 scale. The cumulative GPA will be calculated using all college coursework attempted at all post-secondary institutions attended.

   The cumulative GPA will be determined by dividing the total quality points earned by the total credit hours attempted. Quality points are calculated by multiplying the grade-point value earned by each course by the number of credit hours assigned to that course.

7. Volunteer/observation hours are not required. However, all applicants are strongly encouraged to volunteer or observe in a radiology department within an acute care or hospital setting.

8. Three reference forms, found on the program's webpage, must be submitted directly by the applicant's referee to the school either electronically via email or in a sealed envelope. Reference letters are not accepted.

9. All applicants who meet the minimum admission requirements will be evaluated using the program's admissions scoring system:

   - High School GPA – 25%
   - College GPA – 25%
   - ACT – 10%
   - Radiology Volunteer/Observation Hours – 5% (maximum 40 hours)

   Based on available program capacity and applicant pool size, only the highest-ranked applicants based on their overall admissions score may be selected for an admissions interview.

10. Final selection is made from interviewed applicants.

    All interviews are conducted by the same panel of 3-4 healthcare professionals.

    The three main interview criteria are:

    - Communication and interpersonal skills
    - Motivation and a general understanding of the profession
    - Professionalism

11. Final admission decisions will be based on the admissions scoring system with the interview component comprising 35% of the applicant's overall selection score.

    This holistic approach helps to ensure that applicants are evaluated fairly across multiple dimensions of their academic and personal achievements.

12. All decisions of the committee are final.

    Upon acceptance and before formal admission into the school, all selected applicants are required to:

    - Complete the provided FCRA Disclosure and Acknowledgement and Request for Background forms and successfully pass the background check
    - Schedule a physical examination and drug screening through the North Oaks Employee Health Department
    - Submit evidence of good health and successful vaccination
    - Pass all technical requirements
    - Sign an Enrollment Agreement .

TRANSFER CREDITS/STUDENTS

All School of Radiologic Technology students follow a pre-set inclusive curriculum; therefore, transfer credits are not accepted (for example, a prior Anatomy & Physiology course does not exempt the student from the North Oaks Anatomy & Physiology).

However, students accepted into and currently enrolled in a radiography program in good standing may be considered for transfer based on the availability of space and the approval of the Admissions Committee. Transfer students must meet all admissions requirements. Progress and grades in the student's current program will be considered to determine placement.

GRADUATION REQUIREMENTS

Students must complete all didactic courses with a 78% or better and all clinical education with an 85% or better. The clinical education requires successful completion of 40 mandatory competencies, 14 elective competencies and 10 patient care competencies. Graduates are awarded a Certificate in Radiography and are eligible to sit for the ARRT national certification examination.

TECHNICAL ADMISSION REQUIREMENTS

Once an applicant to the School of Radiologic Technology is accepted, they must still pass the technical requirements of the program before admission. The applicant must be able to perform the following technical requirements:

Upper Extremities

1. Raise arms over head
2. Flex and extend elbows, wrists and fingers
3. Rotate arms internally and externally

Lower Extremities

1. Move around with limited assistance
2. Stand on feet for long periods of time

Neck and Trunk

1. Rotate neck
2. Forward flexion of trunk
3. Rotate trunk

Body Mechanics

1. Lift objects from the floor
2. Kneel
3. Reach
4. Carry
5. Lift and lower
6. Bend
7. Properly and successfully transfer patients from a wheelchair or stretcher to an X-ray table

Manipulation of Radiographic Equipment

1. Move overhead tube stand into position for a radiographic procedure
2. Properly maneuver a patient in both a wheelchair and on a stretcher
3. Properly maneuver a portable radiographic unit.

Other

1. Evaluate medical images for technical quality and accuracy.
2. Evaluate diagnostic information on display screens/monitors.
3. Verbally communicate and demonstrate auditory sense sufficient to give and acknowledge receipt of information in processes that involve the care, safety and examination of patients.
4. Demonstrate the manual dexterity to perform venipuncture, monitor pulse, blood pressure, temperature and prepare syringes and medications for injections.

PREGNANCY POLICY

Declaration and notification of pregnancy is **voluntary**.

A student **may** declare in writing they are pregnant. After doing so, the student is counseled on potential effects of ionizing radiation and is asked to sign a statement of their awareness of the potential effects of radiation to the embryo/fetus.

Students who declare their pregnancy will be counseled by the program director and/or clinical coordinator regarding the nature of potential radiation injury associated with in-utero exposure, the regulations established by the Nuclear Regulatory Commission (NRC) and the National Council on Radiation Protection and Measurements (NCRP), and the required preventive measures to be taken throughout the gestation period. Students are also provided with an additional personnel monitoring device. The 2nd (fetal) device is read monthly and worn at the waist level under the lead apron (when an apron is worn).

The school follows the NRC and NCRP guidelines concerning prenatal radiation exposure. If the pregnancy is declared, the radiation dose to the embryo/fetus during the entire pregnancy is not allowed to exceed 5 mSv or 0.5 mSv monthly.

Options for declared pregnant students are:

1. Withdraw from the program. Students who withdraw due to pregnancy have the option of returning at the beginning of the same semester the following year to complete the School of Radiologic Technology.
2. Remain in the program. If a student chooses to remain in the program, there are no modifications to the didactic or clinical education.
3. A student may also undeclare that they are pregnant in writing at any time.

HOW TO APPLY

Applications are available online for printing at **www.northoaks.org**. Complete the application form and submit it to the above address by the **deadline of May 15, 2027. Material submitted becomes the property of the school and cannot be returned.**

SCHEDULE OF FEES

(For students enrolling July 2027)
Application Fee $50
Registration Fee $500
Tuition Fee $10,000 ($2,500/semester)
Book & IT Fees ..... $1,400 (estimate)
Uniforms ..... $300 (estimate)

Payment plans for tuition are available for second, third and fourth semesters.

Note: These fees do not include the $225 fee for the ARRT application or the $110 fee for the temporary/permanent Louisiana state license.

FINANCIAL AID

The school does not have a federal I.D. number; therefore, we cannot accept Pell Grants, Federal Student Loans or TOPS.

REFUND POLICY

The application and registration fees paid to the school by the student are non-refundable. Tuition fees are refundable upon official withdrawal of the student as follows:

90% before class begins
75% during first ten calendar days
50% from calendar day 11 – 24
0% from calendar day 25.

STUDENT SELECTION

Students will be selected based on high school and college transcripts, ACT score, references and personal interviews conducted by the Admissions Committee (See Admission Requirements). Decisions of the committee are final.

Notification of acceptance will be made by June 14, 2027. Accepted students are required to submit the registration and book/IT fees within the following two weeks.

NONDISCRIMINATORY POLICY

North Oaks School of Radiologic Technology complies with applicable local, state and federal regulations and statues concerning Equal Employment Opportunity/Non- Discriminations. The school provides an environment free of discrimination on the basis of race, color, national origin, ancestry, sex, pregnancy, marital status, religious creed, disability, age or any other legally protected criteria.

ADA POLICY

The school provides equal opportunity in compliance with all applicable laws and regulations to individuals who are qualified to perform employment/educational requirements regardless of any "known" disability or disabled-veteran status, in all aspects of the employment/educational relationship (i.e. didactic setting and clinical education setting). Applicants must meet all Technical Admission Requirements. Complete ADA Policy available upon request.

PERSONAL APPEARANCE

All students must present a professional image at all times. While North Oaks School of Radiologic Technology respects individuality and cultural differences, these need to be balanced by the school's need to maintain an appropriate image to those we serve. Students should be in appropriate uniform and present a well-groomed appearance (including neat and clean hair and nails). Students are responsible for purchasing and laundering their uniforms. Tattoos above the neck, including the face, must be covered at all times. Body piercings (including nose and tongue piercings) should not be visible and should remain covered at all times or removed. Student's pictured identification badges are issued at the beginning of the first semester and students are required to wear them at all times.

GRADING AND EVALUATION

Students are evaluated and formally counseled at least every three months. All records are be kept on file; and in accordance with the Family Education Rights and Privacy Act of 1974, students may view their records upon request.

The grading scale for the didactic and clinical education is as follows:

100 – 94 .....A
93 – 86 .....B
85 – 78 C
77 – 70 .....D
69 – 0 .....F

All students must maintain a 78% in each didactic course and an 85% in the clinical education or they are dismissed from the program.

CLINICAL AFFILIATES

Clinical settings are **no more than 60 miles** from the School of Radiologic Technology.

North Oaks Medical Center in Hammond, Riverside Medical Center in Franklinton, Hood Memorial Hospital in Amite and Lallie Kemp Regional Medical Center in Independence are acute care facilities with specialized areas, such as diagnostic radiology, CT, nuclear medicine, MRI, ultrasound, mammography and interventional radiology.

Outpatient clinics primarily offering radiologic experience for students include: North Oaks Diagnostic Center, North Oaks Orthopedic Specialty Center, North Oaks Livingston Parish Medical Complex, North Oaks Occupational Health Services, North Oaks Surgery Center, North Oaks Urgent Care-Ponchatoula, North Oaks Urgent Care-University, and North Oaks Urgent Care-Veterans.

All students are required to fulfill rotations at each clinical education setting and are responsible for their own transportation.

CURRICULUM

The goal of this educational program is to provide an environment for supervised competency-based experience. The program is based on twenty-four (24) months, with thirty-seven (37) hours a week of full-time involvement for the student. The approach is to incorporate the cognitive, affective and psychomotor domains with the student successfully passing the American Registry of Radiologic Technologists (ARRT) national certification exam. It also is the program's goal for the student to maintain lifelong professional values and learning experiences.

The curriculum is based on the current American Society of Radiologic Technologists (ASRT) curriculum adopted by the Joint Review Committee on Education in Radiologic Technology (JRCERT) and provides the student with the prevailing technology and theory, competency-based clinical education, patient interactions and management, and professional values.

The specific courses offered within the program are as follows:

CLINICAL PRACTICE I *120*

Directly supervised clinical education experience designed to introduce students to the clinical environment and the professional role of the radiologic technologist. Students apply fundamental patient care, radiation protection, communication, and positioning principles while observing and performing routine radiographic examinations/procedures. The rotation will emphasize the radiographic examinations covered in Clinical Practicum 1 and Radiographic Positioning and Procedures I.
CREDIT HOURS: 5

CLINICAL PRACTICE II *122*

Continuation of Clinical Practice I with emphasis on performance of examinations/procedures under direct supervision. Emphasis is placed on patient interaction, clinical workflow, equipment operation, image evaluation, and the development of entry-level clinical skills and professional behaviors. As well as ongoing demonstration of competency of previously completed examinations/procedures and the significance of special rotations and imaging. The rotation will emphasize the radiographic examinations/procedures covered in Clinical Practicums 2 and 3 and Radiographic Positioning and Procedures I.
CREDIT HOURS: 5

CLINICAL PRACTICE III *220*

Continuation of Clinical Practice II with emphasis on performance of examinations under indirect and direct supervision depending on the student's level of competency for each examination/procedure. Emphasis is placed on ongoing demonstration of competency of previously completed examinations/procedures and the significance of special rotations and imaging. The rotation will emphasize the radiographic examinations covered in Clinical Practicums 4 and 5 and Radiographic Positioning and Procedures II.
CREDIT HOURS: 5

CLINICAL PRACTICE IV *222*

Continuation of Clinical Practice III with emphasis on mastery of examinations under indirect and direct supervision depending on the student's level of competency for each examination/procedure. As well as ongoing demonstration of competency of previously completed examinations/procedures and the significance of special rotations and imaging. The rotation will emphasize the radiographic examinations covered in Clinical Practicums 6 and 7 and Radiographic Positioning and Procedures II.
CREDIT HOURS: 5

FUNDAMENTALS OF RADIOLOGIC SCIENCE *100*

An introduction to medical imaging along with an overview of the program and organization. The course covers departmental administration and management, medical/technology history, rules and regulations, safety equipment, special disciplines, various imaging examinations/procedures, and the role of the professional technologist.
CREDIT HOURS: 2

HUMAN ANATOMY AND PHYSIOLOGY I *150 (RADT 101, RADT 101B)*

This course is taught in semesters 1 and 2. During semester 1, emphasis is on the structure and function of the human body, introducing students to foundational anatomical terminology, major body cavities, and the skeletal system, with particular emphasis on the bones and landmarks of the upper extremity. Semester 2 continues the study of human anatomy and physiology with a focused exploration of the lower extremities, the vertebral column, and the bony thorax. Students will also be introduced to cross-sectional anatomy, building foundational skills for identifying anatomical structures in multiple imaging planes.
CREDIT HOURS: 4

HUMAN ANATOMY AND PHYSIOLOGY II *250 (RADT 201, RADT 201B)*

This course is taught in semesters 3 and 4. During semester 3, emphasis is on surface anatomy and the skeletal structures of the cranial bones and associated foramina and nerves. Students also explore the organization and function of the muscular, digestive, tissue, urinary, and respiratory systems. Semester 4 continues to explore the study of human anatomy and physiology and the structure and function of the human body's major regulatory and transport systems, including the reproductive, endocrine, cardiovascular, nervous, and vascular systems. Students develop a foundational understanding of how these systems operate individually and interact to maintain physiological balance.
CREDIT HOURS: 4

IMAGE ACQUISITION AND EVALUATION I *101*

This course is taught in semesters 1 and 2. During semester 1, emphasis is on key factors that govern radiographic image quality, emphasizing how technical variables influence diagnostic outcomes. Topics include the production of Bremsstrahlung and characteristic radiation, the interactions of radiation with matter, essential image-quality characteristics, and the selection and control of exposure factors. Semester 2 is a continued exploration of the factors that influence radiographic image quality, with emphasis on automatic exposure control, beam filtration and limitation, grid usage, and patient-related variables that affect image clarity and diagnostic value.
CREDIT HOURS: 4

IMAGE ACQUISITION AND EVALUATION II *201*

This course is taught in semesters 3 and 4. During semester 3, focus is on key imaging processes with a focus on geometric factors that influence radiographic quality. Topics include the effects of anode bevel, focal spot size, and source-to-image distances on image formation and clarity. Semester 4 covers a range of imaging processes, including image intensification, acquisition techniques, and the operation of specialized equipment used in digital radiography. Emphasis is placed on understanding how these technologies contribute to image formation and diagnostic quality.
CREDIT HOURS: 4

INTRODUCTION TO RADIATION PROTECTION *101*

This course introduces the basic principles and practices of radiation protection in diagnostic imaging. Topics include radiation measurement and detection, exposure monitoring, dose equivalents, radiation limiting systems, and methods for minimizing radiation exposure to patients, personnel, and the public. This course establishes the foundation for safe radiation practices throughout clinical education.
CREDIT HOURS: 1

MEDICAL ETHICS AND LEGAL ISSUES *101 (RADT 104)*

This course is a study of ethical principles, professional standards, communication skills, interpersonal relationships, and legal responsibilities relevant to radiologic practice. Topics include patient rights, confidentiality, informed consent, professional conduct, and ethical decision-making in the healthcare environment.
CREDIT HOURS: 2

MEDICAL TERMINOLOGY *111 (RADT 111)*

This course is an in-depth introduction to medical language that enables students to build a strong medical vocabulary, interpret commonly used medical abbreviations, and accurately recognize and analyze complex medical terms.
CREDIT HOURS: 1

PATIENT INTERACTIONS AND MANAGEMENT I *110*

This course provides foundational instruction in patient care within the imaging environment. Emphasis is placed on professional responsibilities and the healthcare environment, effective communication, safety practices, patient care and transfer techniques, assessment of vital signs, and imaging considerations beyond the outpatient setting.
CREDIT HOURS: 2

PATIENT INTERACTIONS AND MANAGEMENT II *112*

This course is designed to strengthen the student's understanding of patient care in medical imaging. Emphasis is placed on communication, patient assessment, age-specific care, emergency response, infection control, and sterile technique through classroom lectures, discussions, demonstrations, and guided practice.
CREDIT HOURS: 2

PHARMACOLOGY, DRUG ADMINISTRATION, AND VENIPUNCTURE *260*

This course introduces students to the principles of pharmacology and drug administration and how they relate to medical imaging. Students will also examine contrast media, expected and adverse reactions, and the radiographer's role in the safe preparation and administration of medications used in imaging procedures.
CREDIT HOURS: 1

PRINCIPLES OF RADIATION PROTECTION AND RADIOBIOLOGY I *200*

This course builds upon foundational radiation protection concepts through the study of radiation sources, interactions of radiation with matter, radiation measurement, personnel monitoring, regulatory requirements, and methods for minimizing radiation exposure to patients, personnel, and the public. Basic cellular structure and organization are introduced as a foundation for subsequent radiation biology coursework.
CREDIT HOURS: 2

PRINCIPLES OF RADIATION PROTECTION AND RADIOBIOLOGY II *202*

This course builds upon foundational radiation protection concepts through the study of radiation biology and dose management. Topics include cellular response to ionizing radiation, radiosensitivity, dose-response relationships, radiation-induced effects, radiation protection regulations, regulatory agencies, and methods for minimizing radiation exposure to patients and personnel.
CREDIT HOURS: 2

RADIATION PHYSICS I *110*

Introduces the fundamental principles of radiation physics and their application to radiologic science. Topics include the characteristics of matter and energy, atomic structure, radioactivity, electromagnetic and particulate radiation, wave and quantum theory, and the electromagnetic spectrum. Students examine systems of measurement, scientific notation, and mathematical concepts used in radiologic physics.
CREDIT HOURS: 3

RADIATION PHYSICS II *1 1 2*

This course builds upon the principles introduced in Radiation Physics I and focuses on the electrical and electromagnetic concepts essential to the production of diagnostic x-rays. Topics include electrification, electrostatics, electric current, voltage, power, magnetism, and electromagnetic induction. Students examine the operation of x-ray imaging equipment, including high-voltage generators, power supply systems, and x-ray tube design and function.
CREDIT HOURS: 3

RADIATION PHYSICS III *2 1 0*

Builds upon the principles of radiation physics and explores the factors influencing x-ray production, beam characteristics, and image formation. Topics include x-ray emission, radiation quantity and quality, exposure factors, image contrast and quality, beam filtration, attenuation, differential absorption, and the interactions of radiation with matter. The course also introduces fundamental concepts of computer science, digital imaging systems, image processing, artificial intelligence, and the impact of emerging technologies in medical imaging.
CREDIT HOURS: 3

RADIATION PHYSICS IV *2 1 2*

This advanced course integrates the principles of radiation physics with contemporary imaging technologies and quality management practices. Topics include digital radiography systems, image acquisition and processing, scatter radiation and its impact on image quality, beam restriction, grid performance, fluoroscopic imaging, and automatic exposure control. Students examine factors affecting image quality, radiation dose, and technique selection, as well as the relationships among equipment design, patient characteristics, and exposure parameters.
CREDIT HOURS: 3

RADIOGRAPHIC APPLICATIONS I *1 2 1*

This course develops foundational skills necessary for success in the radiologic technology program. Emphasis is placed on competency-based learning, critical thinking, and problem-solving as students integrate knowledge gained in Practicum I with concurrent coursework. Students apply principles of radiographic quality evaluation and safe, patient-centered care in preparation for continued progression through the radiologic technology program.
CREDIT HOURS: 2

RADIOGRAPHIC APPLICATIONS II *123*

This course builds upon foundational radiographic knowledge and skills through the continued integration of clinical and didactic learning. Emphasis is placed on radiographic quality evaluation, critical thinking, and problem-solving in routine and complex imaging situations. Topics include basic digestive system imaging, specialized imaging areas, professional development, and participation in activities related to professional organizations. Knowledge and experiences gained in Practicums 2 and 3 are incorporated throughout the course.
CREDIT HOURS: 2

RADIOGRAPHIC APPLICATIONS III *221*

This course integrates advanced clinical experiences with didactic learning through the application of advanced radiographic concepts. Emphasis is placed on critical thinking, problem-solving, radiographic quality evaluation, and professional communication. Topics include quality assurance, quality control, equipment performance standards, and presentation skills. Students integrate knowledge and experiences gained in Practicums 4 and 5 to support professional growth and clinical competency.
CREDIT HOURS: 2

RADIOGRAPHIC APPLICATIONS IV *223*

This course prepares senior students for entry into professional practice by refining clinical competence, critical thinking, and career readiness skills. Emphasis is placed on diagnostic image evaluation, problem-solving, and professional judgment in a variety of clinical situations. Topics include professional development, job search preparation, interviewing skills, and certification and licensure requirements. Students integrate knowledge and experiences gained in Practicums 6 and 7 in preparation for the ARRT certification exam.
CREDIT HOURS: 2

RADIOGRAPHIC PATHOLOGY *230 (RADT 109, RADT 109B)*

This course is taught in semesters 3 and 4. Semester 3 introduces radiographic pathology with emphasis on disease processes, their radiographic appearance, and impact on imaging procedures and patient care. Semester 4 is a continued study of radiographic pathology with an emphasis on gastrointestinal, hepatobiliary, pancreatic, and urinary disorders, as well as neoplastic disease. Focus is placed on the identification of disease processes, associated signs and symptoms, and their radiographic presentation to support accurate imaging and patient care.
CREDIT HOURS: 4

RADIOGRAPHIC POSITIONING AND PROCEDURES I *101*

This course is taught in semesters 1 and 2. Semester 1 emphasizes foundational principles in radiography, including preliminary steps in radiographic procedures, basic anatomy, and positioning terminology. Building on these core concepts, students are introduced to routine and special views for radiographic procedures and related anatomy of the thoracic viscera, abdomen, and upper extremities. Semester 2 is a continued study of radiographic procedures for routine and special views for radiographic positioning and procedures. Emphasis is placed on proper positioning, image evaluation, and the anatomical structures of the upper and lower extremities, as well as the shoulder and pelvic girdles.
CREDIT HOURS: 8

RADIOGRAPHIC POSITIONING AND PROCEDURES LAB I *103*

This course is taught in semesters 1 and 2. In semester 1, this laboratory course provides hands-on practice of foundational radiographic procedures. Students develop skills in patient positioning, equipment use, and radiation safety while simulating routine and selected special views of the thoracic viscera, abdomen, and upper extremities. Emphasis is placed on accurate positioning, anatomical correlation, and producing diagnostic-quality images. In semester 2, students practice accurate positioning, image evaluation, and equipment use while focusing on the anatomical structures of the upper and lower extremities, including the shoulder and pelvic girdles. Co-requisite: Radiographic Positioning and Procedures I.
CREDIT HOURS: 4

RADIOGRAPHIC POSITIONING AND PROCEDURES II *201*

This course is taught in semesters 3 and 4. Semester 3 is a continuation of the study of radiographic procedures for routine and special views for radiographic positioning and procedures. Emphasis is placed on proper positioning, image evaluation, and the anatomical structures of the vertebral column, bony thorax and cranium. In semester 4, emphasis is placed on proper positioning, image evaluation, and the anatomical structures of the digestive, urinary, and reproductive systems, as well as contrast studies (arthrography, myelography) and other central nervous system imaging. The course also covers principles of trauma, mobile, surgical, pediatric, and geriatric imaging.
CREDIT HOURS: 8

RADIOGRAPHIC POSITIONING AND PROCEDURES LAB II *203*

This course is taught in semesters 3 and 4. Semester 3 provides hands-on practice of radiographic positioning for routine and selected special procedures of the vertebral column, bony thorax, and cranium. Students develop skills in accurate positioning, image evaluation, and equipment use while emphasizing anatomical correlation, patient care, and radiation safety to produce diagnostic-quality images. Semester 4 provides hands-on application of radiographic positioning for routine and specialized imaging procedures of the digestive, urinary, and reproductive systems, as well as selected contrast and central nervous system studies. Students develop proficiency in imaging techniques for trauma, mobile, and surgical radiography, as well as considerations for imaging pediatric and geriatric patients. Co-requisite: Radiographic Positioning and Procedures II.
CREDIT HOURS: 4

HOSPITAL FACILITIES

The Radiology departments of North Oaks Medical Center and clinical affiliates offer the following facilities for clinical experience:

23	Radiographic and/or Fluoroscopic Units
10	Portable Units
9	C-arm Radiographic/Fluoroscopic Units
12	Ultrasound Units
8	Computerized Tomography Units
5	Mammography Units
4	Cardiac Cath Labs
7	Magnetic Resonance Imaging Units
4	Nuclear Medicine Units
1	Interventional Radiography Suite
2	Dexa scans (Bone Densitometry)
1	Interventional Radiology Biplane Suite
1	O-arm
2	Mini C-arms.

SALARY

Average starting salary is $50,294.40 to $78,832.00.00 annually.

ADVANCEMENT

Upon completion of the 24-month program and the ARRT national certification examination, the student/graduate can further their education in several related areas such as:

1. Computerized Tomography (CT)
2. Cardiovascular/Interventional Technology
3. Education
4. Magnetic Resonance Imaging (MRI)
5. Mammography
6. Management
7. Nuclear Medicine
8. MIMPS Administration
9. PET
10. Radiation Therapy
11. Ultrasound
12. Radiologist Assistant.

STUDENT SERVICES

1. **Guidance/Counseling:**
    a. The Program Director and /or Clinical Coordinator have an open-door policy to all students for guidance/counseling.
    b. Students are evaluated and formally counseled at least every three months. During this time, the students' strengths/opportunities for improvements, grades or any other situation can be discussed.
    c. Tutoring is available by appointment. Tutoring may be scheduled on class or clinical days depending on availability of the instructor and is free of charge.

2. **Employment:**
    a. The school does not guarantee employment for any student. However, the faculty is available for any assistance with resume writing, interview skills, applying for jobs, or information on advanced schooling to any student.
    b. North Oaks Health offers a work agreement for a three (3) year full-time work commitment.

3. **Wellness/Health:**
    a. Access to the Employee Assistance Program.
    b. Influenza vaccinations.
    c. Initial Basic Life Support (BLS) training.

4. **Other Access and Support Services:**
    a. Free parking.
    b. Cafeteria discount.
    c. Access to computer lab.
    d. Childcare at a reasonable rate.
    e. "Feeding Our Own" food pantry

PROGRAM EFFECTIVENESS

The radiography program reports the following data to JRCERT.

Program Completion Rate (PCR) is defined as the number of students who complete the program within the stated program length.

Year	Completion Rate	Number of Students
2026	**84.6%**	**11 of original 13 graduated**

Credentialing Exam Pass Rate is defined as the number of students who pass, on the first attempt, the American Registry of Radiologic Technologists (ARRT) examination compared with the number of graduates who take the examination within six months of graduation.

Year	Percent Passing	Number of Students
2022	93%	13 of 14 passed on 1st attempt
2023	100%	9 of 9 passed on 1st attempt
2024	93%	13 of 14 passed on 1st attempt
2025	93%	14 of 15 passed on 1st attempt
2026	100%	11 of 11 passed on 1st attempt
		95%

Job Placement Rate is defined as the number of graduates employed in radiologic sciences compared to the number of graduates actively seeking employment in radiologic sciences within twelve months of graduation.

The JRCERT has defined "not actively seeking employment" as:

1. Graduate fails to communicate with program officials regarding employment status after multiple attempts OR
2. Graduate is unwilling to seek employment that requires relocation, OR
3. Graduate is unwilling to accept employment due to salary or hours, OR
4. Graduate is on active military duty, OR
5. Graduate is continuing education.

Year	# Seeking Employment	Employed within 12 months
2022	14	14
2023	9	9
2024	14	14
2025	14	14
2026	11	11
		100%

NorthOaks Health
School of Radiologic Technology