RADIOLOGY, A Career For You?

Program website:


Information Packet
Submit all Questions to:

Good Samaritan Hospital
Radiography Program
ATTN: Marsha Cox
520 S. 7th Street
Vincennes, IN 47591
812-885-8011
mcox@gshvin.org
or
radeduc@gshvin.org
How do you know you want to be a Radiological Technologist?

Before you make a career decision, ask yourself the following questions:

1. How much do I know about this profession?

   - What have I read about the profession; in the news media, professional journals, books, or articles? (See www.asrt.org for more information)
   - Have I discussed the profession with someone who is currently practicing it?
   - How does this profession fit into our society?
   - What are the responsibilities, problems, and conflicts?
   - What are the ethical issues that I may have to deal with?

2. How much do I know about the educational demands of this profession?

   - How long will I be in school?
   - What will I be studying?
   - How difficult is it?
   - What are the physical abilities to be considered?
   - How expensive is it?
   - Do students ever drop out or fail after being accepted?
     - What causes someone to drop out of this profession?
     - What kinds of problems would be caused by dropping out?
   - Does this profession require continuing education after school?

3. How well do I know myself?

   - Do I have the ability to learn and practice this profession?
   - Do I have the ability to balance this profession with my personal life?
   - Am I well organized, energetic, interested in a variety of activities?
   - Am I oriented toward good relationships with and service toward people?
   - Am I emotionally stable, compassionate, and able to handle pressure?

3/04; reviewed 12/15
CHARACTERISTICS REQUIRED OF A RADIOGRAPHER

Radiography involves the provision of direct care for individuals and is characterized by the application of verified knowledge in the skillful performance of technical radiography functions.

Therefore, an individual should possess the following characteristics:

1. Have sufficient strength, motor coordination and manual dexterity to:
   a. Transport, move, lift, or transfer patients from a wheelchair or stretcher to a radiographic table or patient bed.
   b. Move, adjust and manipulate a variety of radiographic equipment, including mobile radiographic units, in order to arrange and align the equipment with respect to the patient and the image receptor in accordance with established procedures and standards of speed and accuracy.
   c. Physically place patients in proper positions for the examination in accordance with established procedures and standards of speed and accuracy.

2. Have communication abilities which allow him / her to:
   a. Explain to and direct patients as necessary during an examination.
   b. Work as a team member with other health care professionals

3. Be capable of:
   a. Handling stressful situations related to technical and procedural standards and patient care situations.
   b. Providing physical and emotional support to the patient during radiographic procedures.
   Responding to situations requiring first aid and providing emergency care to the patient in the absence of or until the physician or code team arrives.

4. Have the mental and intellectual capacity to:
   a. Calculate and select proper technical factors according to the individual needs of the patient and the established procedures and standards of speed and accuracy.
   b. Review and evaluate the recorded images on the radiograph to assess proper patient position, accuracy of procedural sequence, proper radiographic exposure and other appropriate and pertinent technical qualities.
   c. Recognize signs and sounds of patient distress and react according to the accepted patient care procedures.
   d. Utilize appropriate radiation protection standards and techniques for all ionizing radiation examination.
RADIOGRAPHY PROGRAM MISSION STATEMENT

The Mission of the Good Samaritan Hospital Radiography Program in Vincennes, Indiana is dedicated to the preparation of highly qualified Radiographers to meet the need of the health care community.

rev. 11/02; reviewed 9/08

PROGRAM DESCRIPTION

Good Samaritan Hospital offers individuals who are interested in a career in Radiography the opportunity to become certified technologists through their Radiography Program, which is a 24-month hospital based Program founded in 1956. The Program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 2850, Chicago, Illinois 60606-2901, (312) 704-5300, email: mail@jrcert.org, website www.jrcert.org.

The Program prepares the individual to assume responsibilities and duties of a Radiographer with ability and confidence. The Program integrates academic, technical and human relation aspects of an individual’s education to enable them to perform significant work in the profession.

Didactic courses are taught at Good Samaritan Hospital with the students routinely rotating through several clinical sites during the 2-year program. This enables the student to broaden their experience and skills.

Note: Effective January 1, 2015, graduates must document an associate degree to be eligible for the certification examination administered by the American Registry of Radiologic Technologists (ARRT).

Rev. 4/05; reviewed 1/15

RADIOGRAPHY PROGRAM GOALS

1. Students will be clinically competent.
2. Students will demonstrate problem solving and critical thinking skills.
3. Students will have grown and developed professionally.
4. Students will demonstrate communication skills.
5. Program will assure overall program effectiveness.

reviewed 9/08
PROGRAM GOALS & OUTCOMES

Goals are what students are expected to learn from this program.

Outcomes are criteria that will be used to measure goals.

1. Students will be clinically competent.
   - Students will manipulate equipment competently.
   - Students will position patients appropriately.
   - Students will demonstrate proper radiation protection practices for all patients.

2. Students will demonstrate problem solving and critical thinking skills.
   - Students will be able to respond to changes in the patient’s status and needs.
   - Students will be able to perform multiple exams on a single patient in a logical sequence.

3. Students will have grown and developed professionally.
   - Students will wear appropriate uniform.
   - Students will arrive on time at clinical.

4. Students will demonstrate communication skills.
   - Students will give appropriate instructions to the patient.
   - Students will appropriately communicate patient information to the physicians.

5. Program will assure overall program effectiveness.
   - Students will complete the Program.
   - Graduates will pass the ARRT registry Examination on their first attempt.
   - Graduates will have obtained employment in Radiology within 6 months of completing the Program.
   - Graduates satisfied with how well the Program prepared them for a career in Radiology.
   - Employers satisfied with the quality of the graduates from the Radiography Program.

rev. 7/15
PROGRAM OFFICIALS

Director of Radiology / Good Samaritan Hospital
Mark E. Schafer, MHA, R.T. (R)

Program Education Coordinator
Marsha Cox, M.S.R.S., R.T. (R)(M)

Clinical / Didactic Instructor
Sherry L. Sloan, B.A., R.T. (R)(CT)

Clinical / Didactic / Lab Instructor
Joel W. Blakley, B.A., R.T. (R)

Clinical Instructor / Gibson General Hospital
Beth McGraw, R.T. (R)

Clinical Instructor / Daviess Community Hospital
Christine Lane, R.T. (R)

Clinical Instructors / Lawrence County Memorial Hospital
Debra S. Miller, R.T. (R)(M)(CT)
Karin L. Isham, R.T. (R)(M)(CT)
Lindsey N. Culver, R.T. (R)(M)(CT)

Clinical Instructor / Richland Memorial Hospital
Galen Schwartz, R.T. (R)
Abby Kessler, CNMT, R.T. (R)
Megan Taylor, R.T. (R)(M)

APPLICTION REQUESTS

Applications are accepted year round. The deadline for the application and associated items is Friday of the first full week of January to be considered for the next class. The program start date for the new class is Monday of the third week of May.

Individuals must:

- Submit a new application and associated application items to the Good Samaritan Hospital Radiography Program each year applied.
- New application packets for the next years’ application process will be available after the January Deadline upon request and from our webpage. The application can be downloaded from the GSH Radiology Schools’ webpage at http://www.gshvin.org/community-services-and-education/student-opportunities/school-of-radiography/

For application information and questions, call or email the Good Samaritan Hospital Radiography Program at: 812-885-8011 or radeduc@gshvin.org

Please provide the following:

Name: Address:
Phone #: Email:
Applications may be found at [www.gshvin.org](http://www.gshvin.org) under *Community Services and Education – Student Opportunities - School of Radiography*

**APPLICATION PROCESS**

The sooner the application process is started the better chance we have to review your records and determine whether you meet the Minimum Academic Requirements. If there are any courses that are needed to meet the requirements, we may be able to direct your attention to those courses to better your chance of completing the application process for the current year.

The application process involves several steps including:

- an Application form
- Essay
- College Transcripts (all of them)
- Copy of *High School or GED Transcript* (as applicable)
- Three Reference Letters
- Clinical Observation documentation for 24 hours minimum
- Psychological Services Bureau (PSB) assessment (Dates TBA)
- HSI assessment (Approval from GSH HR department & Program Director)
- Interview

We encourage individuals to submit the application items as they are completed or become available to better advise you during this process.

1. The Application
   a. Complete the two page application, completing all sections as directed.
   b. Page 2 asks for Military Service and Healthcare Related activities. Please check all that apply
      i. For certifications earned include copies of certificates, license, or diploma; *current or expired.* (includes CPR, CNA, RN, LMRT, etc.)
      ii. For Military service provide a copy of your DD214 form
   c. Submit to the Program office by the deadline.
   d. Deadline for receipt of application and associated materials is Friday of the first full week of January.

2. The Essay
   a. Complete a short essay of no more than 2 pages
   b. Topics to include:
      i. Why would you be a good radiographer?
      ii. What about your radiography research interests you?
      iii. A few highlights from your observation hours
3. College Transcripts  
   a. Include all college transcripts; **official transcripts sent from the college are required**  
   b. **Note:** if you are completing courses in the spring following submission of application materials,  
      a **course schedule showing the courses enrolled must be submitted.** If you are selected, these  
      courses must be completed before classes begin in May. A **final official transcript** showing  
      these courses successfully completed will be required before the end of the first month of the  
      program (June 15th).  

4. High School or GED Transcript  
   a. These may be photocopied  
   b. **Do not** need to be official copies or originals  

5. Reference letters  
   a. Three letters of recommendations are required  
   b. Should be from a professional, educator, employer, clergy, etc; try not to use friends or family  
      members  

6. Clinical Observation  
   a. 24 Hours Total: Minimum of 16 hours of observation is to be completed in a HOSPITAL  
      Radiology department setting. 8 hours may be completed in other settings with radiographic  
      equipment (i.e., Dr. Office, minor emergency, Surgery clinic, orthopedic clinic/office, etc). Any  
      place with enough work to observe.  
   b. Observations may be at Good Samaritan Hospital or any other hospital radiology department.  
   c. Call the Radiology Program office to set up observation dates at GSH. Orientation is required  
      through the **Education Department at GSH.** (High School students observing for High  
      School course requirements are to schedule through the Education Department at GSH,  
      812-885-3856).  
   d. It is your responsibility to make arrangements for observations at other hospitals or settings.  
   e. Complete the observation verification form(s) and any other documents needed by the hosting  
      facility  
   f. A negative TB test or documentation of prior BCG vaccine is needed  
   g. Proof of a seasonal Flu vaccine is required to complete observations in September through May  
      at GSH (other hospitals are requiring this as well, follow their protocols).  

7. Psychological Services Bureau (PSB) Revised-Health Occupations Aptitude Examination  
   a. The assessment is offered through the Radiology Program office three times during the  
      fall/winter season for the convenience of the applicant
b. Dates and times will be sent out via email (if email address is provided) to all applicants supplying their contact information.

c. Cost is $20; due the day of the assessment (No refunds if not accepted into the Program)

d. **Contact the Program office to set your appointment. Seating is limited.**

e. An overall score of 30% for all sections, combined, meets the requirement for application.

f. Assessment is scored by PSB, Inc. and results sent to the Program; you will receive results through the mail from the Program.

g. Details about this assessment and review materials can be found at [http://www.psbtests.com](http://www.psbtests.com)

8. HSI Inventory

a. Invitation from the GSH Human Resources department will be sent to applicants given an interview appointment.

b. **Must be completed at least 2 days prior to the interview to continue in the selection process.**

9. Interview

a. Interviews are traditionally held during March with the Interview Committee (Committee consists of from 5 – 12 members).

b. Interview date and time will be sent out by February 28th.

10. Completion of these requirements does not guarantee a position in the Radiology Program class.

**SELECTION PROCESS**

Good Samaritan Hospital is the sponsoring institution of the Radiography Program and as such selects the students. No applicant is guaranteed a position in the Program. If the applicant is not granted a seat in the upcoming class, a new application must be re-submitted and must go through the entire application process for the new class the following year.

Selection of students is a fair and impartial process utilizing a point system in which points are given for courses taken at the College level, Program Entrance Exam score, Program Interview & Essay scores and Career and Life Experience.

**Application Scoring:**

**Academic - 50%** - College courses (see suggested courses) and the PSB assessment exam score (must score a minimum of 30 percentile for PSB and a minimum grade of C (2.5 GPA) for college level courses). The applicant will be awarded points for college level courses successfully completed prior to the application deadline. They will be applied toward the Academic portion of the application score. The points awarded are as follows: “A” – 5 points, “B” – 4 points and “C” – 3 points.

**Interview - 25%** - Average of interview committee scores
Career and Life Experience - 25% - Vocational Adjustment Index score of the PSB exam, Health Care experience, military service experience, and for other career/life experience items listed on the application.

A minimum number of required (pre-requisite) courses may be taken during the spring semester to fulfill the academic pre-requisite requirements but they will not receive points toward acceptance ranking.

- If the applicant is accepted into the program, their position will be contingent upon completion of the required course(s) with a grade of “C-” or higher.
- Any course taken during the spring semester requires confirmation of enrollment by the January deadline (copy of course schedule).
- An updated transcript showing successful completion is due by June 15th.

The Program is allowed to accept up to 10 individuals, but could choose fewer if determined necessary by the Interview Committee. An Interview Committee majority or the Good Samaritan Hospital Human Resources Department has the right to deny anyone a position in the Program.

MINIMUM ACADEMIC REQUIREMENTS

The GSH Radiography Program has established minimum academic requirements as part of the application process. Individuals must:

- be a High School graduate or have passed their GED
- Have completed the listed College pre-admission courses before the start of the class in May
- Completion of pre-admission courses with a minimum grade of “C-” as described.
- Completion of the minimum academic requirements does not guarantee an individual a position in the Program but prepares the individual to succeed if they are chosen for the program.

High School Requirement

Must provide a copy of High School or GED transcript

College Pre-Admission Requirements

Courses with Labs will only receive points for the Lecture but both the Lecture and the Lab must be completed with a minimum grade of “C-” in order to be accepted as pre-requisite courses.

Before the start of the program all applicants must have completed the following college courses successfully with a “C-” or better:

- HIMT 110 Medical Terminology for Allied Health, 3 credit hours
- Math 101 College Algebra (or higher mathematics), 3 credit hours
- ENGL 101 English Composition I, 3 credit hours
- SPCH 143 Speech or SPCH 148 Interpersonal Communications, 3 Credit hours
- BIOL 111 Anatomy and Physiology I, 3 credit hours (recommend you take at VU)
- BIOL 111 L Anatomy and Physiology Laboratory I, 1 credit hour
- BIOL 112 Anatomy and Physiology II, 3 credit hours (recommend you take at VU)
- BIOL 112 L Anatomy and Physiology Laboratory II, 1 credit hour
Internet courses for Anatomy and Physiology are not acceptable.

If pursuing the A.S. Degree Option in Radiography and taking courses at another College or University, other than Vincennes University, contact the VU Health Sciences office at 812-888-4408 (Janet Thomas) to verify that the courses will transfer to VU for the Degree Option. Be sure to do this early in the application process.

**Additional Courses**

Candidates wishing to improve their competitive position for the program and better prepare themselves for the Profession may take additional courses. All college courses must be a Minimum of a 100 level to be counted toward degree completion. The completion of these courses does not guarantee an individual a position in the program.

- Humanities (Common Core), 3 Credit Hour courses (minimum 3 credit hours for A.S. Degree option)
- Social Science, 3 Credit Hour courses (minimum 6 credit hours for A.S. Degree option)
- ENG 102 English Composition II, 3 Credit Hours

**ASSOCIATE DEGREE OPTION**

Good Samaritan Hospital and Vincennes University, [www.vinu.edu](http://www.vinu.edu), have formed an Articulation Agreement; allowing students accepted into the GSH Radiography Program the option to pursue an A.S. Degree. If degree requirements of VU are not completed, students who choose the A.S. Degree option are not guaranteed completion of the A.S. Degree upon completion of the Radiography Program ([http://catalog.vinu.edu/preview_program.php?catoid=12&poid=6076&returnto=761](http://catalog.vinu.edu/preview_program.php?catoid=12&poid=6076&returnto=761)).

With this agreement, VU has agreed to:

- Give students college credit for the Good Samaritan Hospital Radiography Program Courses and clinical rotations
- Offer students the OPTION to take additional courses that would lead to an A.S. Degree in Radiography.
- Effective January 1, 2015, graduates must document an associate degree to be eligible for the certification examination administered by the American Registry of Radiologic Technologists (ARRT)

_Students may find it necessary to take additional courses during or after completing the program to obtain the A.S. Degree Option. VU courses for the A.S. Degree Option can be taken while in the program with approval of the Education Coordinator. Students will be limited to two A.S. Degree courses per semester due to the educational load of the Program._

_Courses taken at Vincennes University or any other college prior to application to the Program do not guarantee the applicant acceptance into the Program._
Pre admission required course for Radiography Program:

- BIOL 111 Anatomy & Physiology I
- BIOL 111L Anatomy & Physiology Laboratory I
- BIOL 112 Anatomy & Physiology II
- BIOL 112L Anatomy & Physiology Laboratory II
- HIMT 110 Medical Terminology for Allied Health
- ENGL 101 English Composition I
- Math 101 College Algebra or higher
- SPCH 143 or 148 Speech or Interpersonal Communication

Additional Vincennes University courses necessary for the A.S. Degree Option in Radiography are as follows:

- ENGL 102 English Composition II
- One - 3 credit hour course from Humanities (Common Core) list
- Two - 3 credit hour courses from Social Science list

Listed courses taken at another University may be transferred to Vincennes University (VU) upon approval of VU.

All inquiries or scheduling of the above courses should be reviewed or scheduled through the Health Sciences office at Vincennes University, 812-888-5090 or 812-888-4408.

Any previous unpaid bills at Vincennes University could jeopardize the individual from signing up for any courses leading to the A.S. Degree. This would not jeopardize the individual’s application to the Good Samaritan Hospital Radiography Program. 

**GRADING SYSTEM**

Due to the close patient contact and responsibilities of the Radiographer, a high level of academic and technical competence is required of all students in the program. Therefore, the grading policy will be as follows:

<table>
<thead>
<tr>
<th>Didactic Scale</th>
<th>Clinical Scale</th>
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<tbody>
<tr>
<td>A 93% - 100%</td>
<td>A 93% - 100%</td>
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<tr>
<td>B 85% - 92%</td>
<td>B 85% - 92%</td>
</tr>
<tr>
<td>C 77% - 84%</td>
<td>C 77% - 84%</td>
</tr>
<tr>
<td>D 70% - 76%</td>
<td>D 70% - 76%</td>
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<tr>
<td>F Below 70%</td>
<td>F Below 70%</td>
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</table>

- The student must maintain a minimum of a “C-” average in all subject areas and in laboratory / clinical performance in order to proceed to the next level or grading period of the program.
- Achieve competencies identified in the curriculum.
- If any problems arise during the term whereby a student is unable to uphold this academic standing, it is his/her responsibility to seek academic counseling from the Education Coordinator, Clinical and Didactic Instructors.
- All students are required to attend all lectures, laboratory sessions and clinical assignments.
  - If a student is absent for any reason, it is his/her responsibility to make-up any assignments, tests, laboratory or clinical work that has been missed due to the absenteeism.
Any student who is absent on a scheduled test day will be required to complete the missed test within one week (5 days) of their return. Make-up examinations may or may not be a different format from the scheduled examination.

**VACATIONS AND HOLIDAYS**

The program observes 6 scheduled holidays each year. In addition, students are given approximately 245 hours scheduled time off (7 weeks based on a 35 hour week) each year.

All Program hours missed will be made up during break weeks as appropriate in accordance with GSH Radiography Program Attendance Policy. (Students will make up all missed time.)

**RADIOGRAPHY STUDENT PERMIT**

The Indiana State Department of Health (ISDH) requires students to have a Student Radiography Permit before being able to take x-rays. The GSH Radiography Program will provide the student the application and mail the completed applications to the ISDH. Permits will be sent to the student and the Program office will require a copy for each student’s record.

**HEALTH REGULATIONS**

Upon acceptance into the program, each student must:

- have a physical examination and laboratory testing (immunizations review)
- pass a drug and alcohol screening under the Hospital’s policy.

If in the opinion of the hospital medical authorities, a student does not meet health requirements, the student will be withdrawn from the program. These tests are provided by Good Samaritan Hospital at the hospital’s expense.

NOTE: For our patient’s and your safety, annual TB testing and taking the Influenza (Flu) vaccine will be required of all students. Refusal without appropriate & approved documentation will be grounds for dismissal. Students will be held to the same policies as employees of the hospital.

**CRIMINAL BACKGROUND CHECK**

Upon acceptance into the program, each student will have a criminal background check completed under the hospital’s policy. Any criminal activity found will be reviewed by the hospital’s Human Resources department to determine if the individual can continue in the program.

**CONVICTION OF A FELONY OR MISDEMEANOR**

A conviction of, or a plea of guilty, or a plea of nolo contendere to a crime which is either a felony or is a misdemeanor must be reviewed by the American Registry of Radiologic Technologist (ARRT) in order to determine eligibility for Certification in accordance with the ARRT Standards of Ethics. To determine
eligibility, applicants will need to contact the ARRT at (651) 687-0048 for questions. The ARRT does charge a fee for this process. The Pre-Application Form may be found at https://www.arrt.org/pdfs/Ethics/Ethics-Review-Pre-Application.pdf

A student in any radiology program in the state of Indiana is required to have a student permit to practice radiology procedures from the Indiana State Department of Health (ISDH). The ISDH will also review any documentation of a criminal conviction before approval of such permit. This must be done prior to the start of clinical rotations. There is NO fee for the state review. Information can be found at the following webpage https://secure.in.gov/isdh/23279.htm

PROGRAM COMPLETION REQUIREMENTS

A student is scholastically eligible for a certificate of completion when he/she has satisfied all the specific requirements of the program. This would include tuition, activity and book fees paid in full, each academic year, completed all didactic courses and clinical rotations with a minimum grade of “C-” in each and made up all missed clinical time. The student must also have met the Professional Requirements specified in Section 2.02 of the ARRT (American Registry of Radiologic Technologists), Rules and Regulations (www.arrt.org).

- Completed the course work addressing the topics listed in the ARRT Content Specifications for the Examination in Radiography.
- Completed the ARRT required 15 college credit hours (minimum) of General Education, (courses specified by the Radiography Program).
- Completed the ARRT required competencies in the six mandatory General Patient Care areas, thirty-one mandatory Radiologic Procedures and a minimum of fifteen of the thirty-five elective Radiologic Procedures.
- The certificate represents their successful completion of the program.
- An Associate degree is required to be able to take the ARRT certification examination.

CERTIFICATION AND LICENSURE

Upon completion of the Program and completion of the college requirements for an associate degree, the individual will be eligible to take the ARRT national certification examination.

Effective January 1, 2015, graduates must document an associate degree to be eligible for the certification examination administered by the American Registry of Radiologic Technologists (ARRT).

Upon passing the certification examination the individual will be entitled to use the designation of Registered Technologist in Radiography signified by the initials R.T. (R) behind their name. Graduates passing the national certification examination are also required, in most states, to apply and receive their state operators’ license before being able to work without supervision.
SALARY AND EMPLOYMENT OPPORTUNITIES

Average starting annual salary of a Radiographer is usually around $40,000. This pay may vary depending on the geographical area of employment, advanced modalities, experience and so on. There are several different employment opportunities available to a Radiographer. They may choose from any of the following: Hospitals, Clinics, Physician’s Offices, Mobile Services, Educational Institutions, Administration, Advanced Modalities (CT, Nuclear Medicine, Special Procedures, Ultrasound, MRI, Radiation Therapy and Mammography) and Sales.

ASSOCIATED RADIOGRAPHY WEBSITES

American Registry of Radiologic Technologists (ARRT) – www.arrt.org
American Society of Radiologic Technologists (ASRT) – www.asrt.org
Indiana Society of Radiologic Technologists (ISoRT) – www.isort.org
Joint Review Committee on Education in Radiologic Technology (JRCERT) - www.jrcert.org

Good Samaritan Hospital Radiography Program is an
"EQUAL EDUCATIONAL OPPORTUNITY INSTITUTION"

The Radiography Program intends to deal fairly with all students, faculty, and staff members regarding equal rights. The following policy statement has been adopted.

"The Radiography Program in accordance with Title VI, Title VIII, Title IX, and Section 504 of the Rehabilitation Act of 1973, does not discriminate on the basis of race, color, national origin, age, religion, marital status, sex, or handicap in its treatment of students and employees."

Disclaimer: All course sequences and schedules are subject to review and change as needed for educational purposes. Tuition, textbooks and fees are reviewed annually. If changes to these are necessary, they will commence with the incoming class. The increase in textbooks or tuition will not be retroactively passed to the current students. Additional fees may be assigned to current students if needed for additional resources.

PROGRAM SCHEDULE

Classes and clinical rotations are conducted Monday through Friday with some evening clinical rotations.

First year students:
Summer (term 1): Weeks 1 – 4: Didactic classes for Monday - Friday, 8:00 am - 4:00 pm
Week 5 only: Clinical Rotations Orientation (Schedule TBA)
Beginning Week 6:

- Didactic (Class) times will be 8:00am – 4:00pm on Monday and Wednesday; Tuesday and Thursday mornings 8:00am – 12:00pm to the end of the term.
- Clinical rotations from 12:30pm – 4:00pm on Tuesday and Thursday and 7:30 am - 4:00 pm on Friday through the end of the term.

Fall & Spring (terms 2 & 3):

- Didactic classes will be on Monday, Wednesday and Friday (12:00 p.m. – 4:00 p.m.) and Procedures and Positioning course & Labs on Monday, Wednesday and Friday (8:00 am – 11:00 am). An hour lunch period will be observed on class days.
- Clinical rotations will be Tuesday and Thursday; 7:30am – 4:00pm; Tuesday and Thursday evening Clinical rotations; 2:30 pm - 11:00 pm. A 30 minute lunch period will be observed each clinical day.

**Second year students:**

Summer (term 4): Program days will be Monday - Thursday 7:00am – 4:30pm with Friday off.

- Didactic class time will be Tuesday & Thursday 1:00pm – 3pm; students will be on the clinical floor 7:00am – 12:30pm.
- Evening rotations: Monday & Wednesday 2:00pm – 11:00pm; Tuesday & Thursday 3:30pm – 9:30pm. A 30 minute lunch period will be observed each day.

Fall & Spring (terms 5 & 6):

- Didactic classes will be on Tuesday and Thursday from 9:00 am – 3:00 pm
- Clinical Practice (7:30 am – 4:00 pm) Monday, Wednesday, and Friday; start times vary according to the Clinical site; Monday, Wednesday, and Friday evening Clinical rotations; (2:30 pm - 11:00 pm) at DCH, RMH & GSH clinical sites only.

**CLINICAL PRACTICE**

Clinical Practice is conducted at:

- Good Samaritan Hospital in Vincennes, Indiana;
- Daviess Community Hospital in Washington, Indiana;
- Gibson General Hospital in Princeton, Indiana;
- Lawrence County Memorial Hospital in Lawrenceville, Illinois;
- Richland Memorial Hospital in Olney, Illinois

- Students are scheduled in various clinical areas for three week rotations unless otherwise specified.
- Clinical hours may vary according to rotations, classroom instruction and other program functions.
Clinical rotation schedules will be distributed in clinical orientation and at the beginning of the second year.

### RADIOGRAPHY PROGRAM CURRICULUM SEQUENCE

<table>
<thead>
<tr>
<th>Term 1-Summer I</th>
<th>Term 4-Summer II</th>
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<tbody>
<tr>
<td>RADG 100 Fundamentals of Radiologic Science and Health Care; CPR</td>
<td>RADG 116 Clinical Practice IV</td>
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<tr>
<td>RADG 101 Clinical Practice I</td>
<td>RADG 209 Imaging Equipment</td>
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<td>RADG 103 Patient Care in Radiologic Science I</td>
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<td>RADG 104 Radiographic Procedures I</td>
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<tr>
<th>Term 2-Fall I</th>
<th>Term 5-Fall Semester II</th>
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<tr>
<td>RADG 110 Patient Care in Radiologic Sciences II</td>
<td>RADG 208 Radiologic Pathology</td>
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<td>RADG 111 Radiographic Procedures II</td>
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<td>RADG 111L Positioning Lab II</td>
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<td>RADG 114 Radiation Production and Characteristics I</td>
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<td>RADG 109 Clinical Practice II</td>
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### PROGRAM REQUIRED COURSES

The RADG number and credit hours are assigned by VU to receive credit towards the A.S. Degree Option and/or to be eligible to receive financial aid through VU according to the Vincennes University and Good Samaritan Hospital articulation agreement.

Courses of study for completion of the Good Samaritan Hospital Radiography Program Certificate include:

- CPR (provided each year through GSH School of Radiology as needed)
- RADG 100 Introduction of Radiologic Science and Health Care (3 cr.)
- RADG 101 Clinical Practice I (1 cr.)
- RADG 103 & 110 Patient Care in Radiologic Sciences I &II (3 cr. each)
- BIOL 111 & 111L; *Anatomy and Physiology I & II with Labs* (6 cr.)
- 112 & 112L *(Pre-Admit Courses, see minimum requirements)*
- RADG 104 Radiographic Procedures I (2 cr.)
RAG 111 & 212 Radiographic Procedures II & III (4 cr. each)
RAG 109 Clinical Practice II (4 cr.)
RAG 111L & 212L Radiographic Positioning Labs II & III (1 cr. each)
RAG 114 Radiation Production and Characteristics I (3 cr.)
RAG 115 Clinical Practice III (3 cr.)
RAG 116 Clinical Practice IV (4 cr.)
RAG 201 Radiation Production and Characteristics II (3 cr.)
RAG 202 Principles of Imaging (3 cr.)
RAG 205 Clinical Practice V (5 cr.)
RAG 207 Radiation Biology & Radiation Protection (3 cr.)
RAG 208 Radiographic Pathology (3 cr.)
RAG 209 Imaging Equipment (2 cr.)
RAG 210 Clinical Practice VI (5 cr.)
RAG 211 Seminar (Review) (4 cr.)
RAG 215 Computed Tomography (CT) & Sectional Anatomy (3 cr.)
RAG 220 Digital Image Acquisition & Display (4 cr.)

18 credits Pre-Admission Courses (See minimum academic requirements above)  

COURSE DESCRIPTIONS

*RADG 100 Introduction of Radiologic Science and Health Care 3 cr. (Summer I)  
Pre-requisites: Admission to the Good Samaritan Hospital Radiography Program.  
This course is designed to provide students with an overview of the foundations in radiography and the practitioner’s role in the health care delivery system. Principles, practices and policies of the health care organization(s) will be examined and discussed in addition to the professional responsibilities of the radiographer. Introduce the principles of radiation protection including the responsibilities of the radiographer for patients, personnel, and the public. 3 lecture hour.  

*RADG 101 Clinical Practice I 1 cr. (Summer I)  
Pre-requisites: Admission to the Good Samaritan Hospital Radiography Program.  
Clinical practice experiences shall be designed for sequential development, application, critical analysis, integration, synthesis and evaluation of concepts and theories in the performance of radiologic procedures. Through structured sequential, competency-based assignments in clinical setting, concepts of team practice, patient-centered clinical practice and professional development shall be discussed, examined and evaluated. Clinical practice experiences shall be designed to provide patient care and assessment, competent performance of radiologic imaging and total quality management. Levels of competency and outcomes measurement shall
ensure the well-being of the patient preparatory to, during and following the radiologic procedure. Lab experience will provide students with a hands-on approach to topics taught in RADG 104. 12 clinical hours.

*RADG 103 Patient Care in Radiologic Sciences I

Pre-requisites: RADG 100

This course is designed to provide basic concepts of patient care, including consideration for the physical and psychological needs of the patient and family. Routine and emergency patient care procedures will be described, as well as infection control procedures utilizing standard precautions. The role of the radiographer in patient education will also be identified. 3 lecture hours.

*RADG 104 Radiographic Procedures I

Pre-requisites: RADG 100

This course is designed to provide a knowledge base necessary to perform standard radiographic procedures along with the application to special studies. Provide a basis for analyzing radiographic images. Included are the importance of minimum standards, discussion of a problem-solving technique for image evaluation, and the factors that can affect image quality. Laboratory experiences in RADG 101 will be used to complement this course. 3 lecture hours.

*RADG 109 Clinical Practice II

Pre-requisites: RADG 101

Clinical practice experiences shall be designed for sequential development, application, critical analysis, integration, synthesis and evaluation of concepts and theories in the performance of radiologic procedures. Through structured sequential, competency-based assignments in clinical setting, concepts of team practice, patient-centered clinical practice and professional development shall be discussed, examined and evaluated. Clinical practice experiences shall be designed to provide patient care and assessment, competent performance of radiologic imaging and total quality management. Levels of competency and outcomes measurement shall ensure the well-being of the patient preparatory to, during and following the radiologic procedure. 16 clinical hours.

*RADG 110 Patient Care in Radiologic Sciences II

Pre-requisites: RADG 103

A continuation of RADG 103. 3 lecture hours.

*RADG 111 Radiographic Procedures II

Pre-requisites: RADG 104

A continuation of RADG 104. Laboratory experiences in RADG 113 will be used to complement the didactic portion. 4 lecture hours.
*RADG 111L Positioning Lab II  
1 cr. (Fall I)  
Pre-requisites: RADG 104  
Lab experiences to coincide with didactic instruction in RADG 111. 3 laboratory hours.

*RADG 212 Radiographic Procedures III  
4 cr. (Spring I)  
Pre-requisites: RADG 111  
A continuation of RADG 111. 4 lecture hours.

*RADG 212L Positioning Lab III  
1 cr. (Fall I)  
Pre-requisites: RADG 111L  
Lab experiences to coincide with didactic instruction in RADG 111L. 3 laboratory hours.

*RADG 114 Radiation Production and Characteristics I  
3 cr. (Fall I)  
Pre-requisites: RADG 100  
This course is designed to establish a basic knowledge of atomic structure and terminology. Also presented are the nature and characteristics of radiation, x-ray production and the fundamentals of photon interactions with matter. 3 lecture hours.

*RADG 115 Clinical Practice III  
2 cr. (Spring I)  
Pre-requisites: RADG 109  
A continuation of RADG 109. 16 clinical hours.

*RADG 205 Clinical Practice IV  
2 cr. (Summer II)  
Pre-requisites: RADG 115  
A continuation of RADG 115. 26 clinical hours.

*RADG 201 Radiation Production and Characteristics II  
3 cr. (Spring I)  
Pre-requisites: RADG 114  
A continuation of RADG 114. 3 lecture hours.

*RADG 202 Principles of Imaging  
3 cr. (Spring I)  
Pre-requisites: RADG 116  
This course will provide students with knowledge of factors that govern and influence the production of the radiographic image. Film and electronic imaging with related accessories will be discussed. Materials will be utilized to demonstrate clinical applications of the theoretical principles and concepts. Provide guidelines for selecting exposure factors and evaluating image within a digital system assisting students to bridge between film-based and digital imaging systems. Principles of digital system quality assurance and maintenance are presented. A critique of radiographic images for diagnostic quality & an integration of pathology appearance
into this process is offered. Discuss possible ways to correct for deficiencies and overcome the effects of various pathologies on radiographic images. 3 lecture hours.

*RADG 207 Radiation Biology & Radiation Protection 3 cr. (Spring II)
Pre-requisites: RADG 201, RADG 202, RADG 203 & RADG 204
This course is designed to provide an overview of the principles of the interaction of radiation with living systems. Radiation effects on molecules, cells, tissues, and the body as a whole are presented. Factors affecting biological responses are presented, including acute and chronic effects of radiation. An overview of radiation protection methods, to reduce radiation effects, will be covered in this course. 3 lecture hours.

*RADG 208 Radiographic Pathology 3 cr. (Fall II)
Pre-requisites: RADG 201, RADG 202, RADG 203 & RADG 204
This course is designed to introduce theories of disease causation and the pathophysiologic disorders that compromise healthy systems. Etiology, pathophysiologic responses, clinical manifestations, radiographic appearance and management of alterations in body systems will be presented. Critique radiographic images and integrate pathology appearance into this process. Discuss possible ways to correct for deficiencies and overcome the effects of various pathologies on radiographic images. 3 lecture hours.

*RADG 209 Imaging Equipment 2 cr. (Summer 2)
Pre-requisites: RADG 114
This course is designed to establish a knowledge base in radiographic, fluoroscopic, mobile and tomographic equipment requirements and design. Provide the entry-level radiography students with principles related to Computed Tomography (CT) imaging. 2 lecture hour.

*RADG 210 Clinical Practice V 5 cr. (Fall II)
Pre-requisites: RADG 116
A continuation of RADG 116. 24 clinical hours.

*RADG 215 Clinical Practice VI 2 cr. (Spring II)
Pre-requisites: RADG 205
A continuation of RADG 205. 24 clinical hours.

*RADG 211 Seminar in Radiography 4 cr. (Spring II)
Pre-requisites: RADG 201, RADG 202, RADG 203 & RADG 204
This course will review the different principles that have been taught in the program in preparation for the national registry certification examination. Students will utilize simulated registry exams as well as various other exams and review material that the instructors want to employ. 4 lecture hours.
*RADG 215 CT & Sectional Anatomy  
3 cr. (Fall II)
Pre-Requisites: RADG 104, 111, & 250
Content provides entry-level radiography students with principles relating to computed tomography (CT) imaging. Gross anatomical structures are located and identified in axial (transverse), sagittal, coronal and orthogonal (oblique) planes. Illustrations and anatomy images will be compared with MR and CT images in the same imaging planes and at the same level when applicable. The characteristic appearance of each anatomical structure as it appears on a CT, MR and ultrasound image, when applicable, will be discussed. 3 lecture hours

*RADG 220 Digital Image Acquisition & Display  
4 cr. (Fall II)
Pre-Requisites: RADG 201, 209 & 235
Content imparts an understanding of the components, principles and operation of digital imaging systems found in diagnostic radiology. Factors that impact image acquisition, display, archiving and retrieval are discussed. Principles of digital system quality assurance and maintenance are presented, as well as critique of radiographic images for diagnostic quality. Digital Imaging is an evolving part of radiographic imaging and course content will be updated as enhancements are made available. 4 lecture hours.

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