Medical Imaging Program

**RADIOLOGIC TECHNOLOGY**

**INFORMATION AND APPLICATION PACKET**

2020
Thank you for your interest in the Medical Imaging Program at Ivy Tech Community College in Indianapolis. Enclosed you will find the application steps, information about the program, the current suggested curriculum sequence, the application form, frequently asked questions, and other general information about the program. The Medical Imaging Program includes AAS degrees in Radiologic Technology only.

Radiology is truly an exciting field in healthcare and it is growing and it is changing every year. We want to help you with your goals to become a part of a healthcare team. Please carefully read through all the information supplied in this packet. This application packet is the most current and replaces any other previously printed application packet. If you have any questions, please call (317) 921-4800 and ask to speak to the Medical Imaging Program faculty.

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Ivy Tech Community College Medical Imaging Program-Indianapolis, 2018
5 year average national exam pass rate = 100% (67/67)
5 year average job placement rate = 89.3% (59/66)
Program completion rate = 100% (14/14)

Ivy Tech Community College Medical Imaging Program-Indianapolis, 2019
5 year average national exam pass rate = 100% (64/64)
5 year average job placement rate = 90% (57/63)
Program completion rate = 100% (11/11)

These statistics are posted on the JRCERT website at www.jrcert.org

Joint Review Committee on Education in Radiologic Technology
20 N. Wacker Dr., Suite 2850
Chicago, IL. 60606-3182
312-704-5300
mail@jrcert.org
The radiologic technologist is someone who specializes in using x-rays to create images of the body and is known as a radiographer. The radiographs that are produced by the radiographer enable the doctor to diagnose the patient for diseases, fractures, or any irregularities. A radiographer must be a professional who is skilled in the art and science of radiography. The radiographer applies scientific knowledge, problem-solving techniques, with the use of high tech equipment while providing quality patient care. Technologists are employed in hospitals, clinics, physician offices, federal and state agencies, industry, and certain education institutions.

This program includes a curriculum that includes patient care, radiographic technique, positioning, radiation exposure, radiation protection, physics, pathology, and ethics (complete list is in this packet). Clinical practice and supplemental instruction are provided at the accredited sites. Upon successful completion of this program, graduates are eligible to take the American Registry Examination given by the American Registry of Radiologic Technologists (ARRT).

This Medical Imaging Program is a selective program with limited enrollment due to accreditation standards set by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Once accepted, the program is a full-time program with the students rotating to the clinical sites and with didactic instruction at Ivy Tech Community College.

You may not be eligible to be licensed or certified if you have been convicted of a felony. Please check with the Program Chair if you have questions concerning this before enrolling in the program or you may contact the American Registry of Radiologic Technologists (ARRT) http://www.arrt.org
Medical Imaging
Radiologic Technology

MISSION AND GOALS

MEDICAL IMAGING PROGRAM MISSION STATEMENT
The mission of the Medical Imaging program at Ivy Tech Community College is to empower our scholars with world class education in Medical Imaging while serving the state of IN with experienced, professional, and proficient candidates for employment in our diverse communities.

PROGRAM GOALS
The following are the goals for the Medical Imaging Program 2019:

1. Students will be clinically competent.
2. Students will develop critical thinking.
3. Students will demonstrate professionalism.
4. Students will be able to communicate.

STUDENT LEARNING OUTCOMES

1. Students will demonstrate understanding of positioning.
2. Students will practice radiation safety principles.
3. Students will provide quality patient care on trauma patients
4. Students will demonstrate film critique
5. Students will exhibit professional ethics in clinic
6. Students will summarize their professionalism at end program
7. Students will apply oral communication skills.
8. Students will validate written communication skills.
9. Students will exhibit the ability to communicate effectively with patients.
## PROGRAM EFFECTIVENESS Medical Imaging Indianapolis 2014-2018

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Benchmark</th>
<th>Number of Students</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduates will pass the ARRT exam on the first attempt within 6 months of graduation</td>
<td>75% or higher For 5 year average</td>
<td># of students passing</td>
<td>2018: 100% 2017: 100% 2016: 100% 2015: 100% 2014: 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2018 14/14</td>
<td>2018: 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2017 13/13</td>
<td>2017: 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2016 13/13</td>
<td>2016: 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2015 13/13</td>
<td>2015: 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2014 14/14</td>
<td>2014: 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>67 of 67</td>
<td>5 yr Av= 100%</td>
</tr>
<tr>
<td>Graduates will be gainfully employed within 6 mos after graduation for those seeking a job in Imaging</td>
<td>75% or higher of those responded or verification of employment</td>
<td>Number of students seeking employment</td>
<td>2018 14/14=100% 2017 12/13=92% 2016 11/12= 92% 2015 9/13= 69% 2014 13/14= 93%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2018 14/14</td>
<td>2018 14/14=100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2017 12/13</td>
<td>2017 12/13=92%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2016 11/12</td>
<td>2016 11/12= 92%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2015 9/13</td>
<td>2015 9/13= 69%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2014 13/14</td>
<td>2014 13/14= 93%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>59 of 66</td>
<td>5 yr Av= 92%</td>
</tr>
<tr>
<td>Students will complete the program</td>
<td>75% of students will graduate</td>
<td># of Graduates</td>
<td>2018: 100% 2017: 67% 2016: 93% 2015: 87% 2014: 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2018: 14/14</td>
<td>2018: 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2017: 10/15</td>
<td>2017: 67%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2016: 14/15</td>
<td>2016: 93%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2015: 13/15</td>
<td>2015: 87%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2014: 14/14</td>
<td>2014: 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>65 of 73</td>
<td>5yr Av=89.4%</td>
</tr>
</tbody>
</table>

Program effectiveness can also be found at the JRCERT website:
# RADIOLOGIC TECHNOLOGY

## PHYSICAL DEMANDS AND REQUIREMENTS

Frequency:  
- **O** = Occasionally (1-33%)  
- **F** = Frequently (34-66%)  
- **C** = Constantly (67-100%)

<table>
<thead>
<tr>
<th>Function</th>
<th>Program-Specific Examples</th>
<th>Frequency</th>
</tr>
</thead>
</table>
| **GROSS MOTOR SKILLS** | • Move within confined spaces  
• Sit and maintain balance  
• Stand and maintain balance  
• Reach above shoulders (e.g., put away supplies)  
• Reach below waist (e.g., plug electrical appliance into wall outlets) | F         |
| **FINE MOTOR SKILLS**  | • Pick up objects with hands  
• Grasp small objects with hands (e.g., syringe, pencil)  
• Write with pen or pencil  
• Key/type (e.g., use a computer)  
• Pinch/pick or otherwise work with fingers (e.g., manipulate a syringe)  
• Twist (e.g., turn objects/knobs using hands)  
• Squeeze with hand (e.g., blood pressure cuff) | C         |
| **PHYSICAL ENDURANCE** | • Stand (e.g., at client side during minor or therapeutic procedure)  
• Sustain repetitive movements (e.g., CPR)  
• Maintain physical tolerance (e.g., work entire shift) | C         |
| **PHYSICAL STRENGTH** | • Push and pull 50 pounds (e.g., position clients)  
• Support 50 pounds (e.g., ambulate client)  
• Lift 50-100 pounds (e.g., pick up a child, transfer patient)  
• Move light objects weighing up to 10 pounds  
• Move heavy objects weighing from 25 to 100 pounds  
• Defend self against combative client  
• Use upper body strength (e.g., perform CPR, restrain a client)  
• Squeeze with hands (e.g., operate fire extinguisher) | F         |
| **MOBILITY**           | • Twist  
• Bend  
• Stoop/squat  
• Move quickly (e.g., response to an emergency)  
• Climb (e.g., ladders/stools/stairs)  
• Walk | F         |
| **HEARING**            | • Hear normal speaking level sounds (e.g., person-to-person interview)  
• Hear faint voices  
• Hear faint body sounds (e.g., blood pressure sounds)  
• Hear in situations when not able to see lips (e.g., when masks are used)  
• Hear auditory alarms (e.g., monitors, fire alarms) | C         |
<p>| <strong>VISUAL</strong>             | • See objects up to 20 inches away (e.g., information on a computer screen, skin conditions) |           |</p>
<table>
<thead>
<tr>
<th>Function</th>
<th>Program-Specific Examples</th>
<th>Frequency</th>
</tr>
</thead>
</table>
| **TACTILE**                     | • See objects up to 20 feet away (e.g., patient in a room)  
• See objects more than 20 feet away (e.g., client at end of hall)  
• Use depth perception  
• Use peripheral vision  
• Distinguish color (e.g., color codes on supplies, charts, bed)  
• Distinguish color intensity (e.g., flushed skin, skin paleness)  
• Feel vibrations (e.g., palpate pulses)  
• Detect temperature (e.g., skin, solutions)  
• Feel differences in surface characteristics (e.g., skin turgor, rashes)  
• Feel differences in sizes, shapes (e.g., palpate vein, identify body landmarks)  
• Detect environmental temperature (e.g., check for drafts)                                                                                                     | C         |
| **SMELL**                       | • Detect odors from client (e.g., foul smelling drainage, alcohol breath, etc.)  
• Detect smoke  
• Detect gases or noxious smells                                                                                                                                                                                          | F         |
| **READING**                     | • Read and understand written documents (e.g., policies, protocols)                                                                                                                                                           | F         |
| **ARITHMETIC COMPETENCE**       | • Read and understand columns of writing (flow sheet, charts)  
• Read digital displays  
• Read graphic printouts (e.g., EKG)  
• Calibrate equipment  
• Convert numbers to and/or from the Metric System  
• Read graphs (e.g., vital sign sheets)  
• Tell time  
• Measure time (e.g., count duration of contractions, etc.)  
• Count rates (e.g., pulse)  
• Use measuring tools (e.g., thermometer)  
• Read measurement marks (e.g., measurement tapes, scales, etc.)  
• Add, subtract, multiply, and/or divide whole numbers  
• Compute fractions (e.g., medication dosages)  
• Use a calculator  
• Write numbers in records                                                                                                                                                                                               | C         |
| **EMOTIONAL STABILITY AND INTERPERSONAL SKILLS** | • Establish therapeutic boundaries  
• Provide patient with emotional support  
• Adapt to changing environment/stress  
• Deal with the unexpected (e.g., client going bad, crisis)  
• Focus attention on task  
• Monitor own emotions  
• Perform multiple responsibilities concurrently  
• Handle strong emotions (e.g., grief)                                                                                                                                                                                      | C         |
<table>
<thead>
<tr>
<th>Function</th>
<th>Program-Specific Examples</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Negotiate interpersonal conflict</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Respect differences in clients</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Establish rapport with clients</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Establish rapport with co-workers</td>
<td></td>
</tr>
<tr>
<td>COMMUNICATION SKILLS</td>
<td>• Teach (e.g., client/family about health care)</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>• Explain procedures</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Give oral reports (e.g., report on client's condition to others)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Interact with others (e.g., health care workers)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Speak on the telephone</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Influence people</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Direct activities of others</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Convey information through writing (e.g., progress notes)</td>
<td></td>
</tr>
<tr>
<td>CRITICAL THINKING</td>
<td>• Identify cause-effect relationships</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>• Plan/control activities for others</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Synthesize knowledge and skills</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Sequence information</td>
<td></td>
</tr>
<tr>
<td>ANALYTICAL THINKING</td>
<td>• Transfer knowledge from one situation to another</td>
<td>F</td>
</tr>
<tr>
<td></td>
<td>• Process information</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Evaluate outcomes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Problem solve</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Prioritize tasks</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Use long term memory</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Use short term memory</td>
<td></td>
</tr>
</tbody>
</table>
### Pre-requisites and Program Curriculum - Medical Imaging
Semester Sequence Effective 2019

<table>
<thead>
<tr>
<th>GENERAL EDUCATION PREREQUISITES 1ST SEMESTER</th>
<th>CREDITS</th>
<th>RADIOLOGY TECHNOLOGY CURRICULUM SPRING SEMESTER 4</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IVYT 112</td>
<td>1</td>
<td>RADT 112 – Image Production I</td>
<td>3</td>
</tr>
<tr>
<td>*APHY 101 – Anatomy &amp; Physiology I</td>
<td>3</td>
<td>RADT 116 – Radiographic Clinical Education II</td>
<td>3</td>
</tr>
<tr>
<td>*MATH 136 – College Algebra</td>
<td>3</td>
<td>RADT 117 – Radiographic Physics</td>
<td>3</td>
</tr>
<tr>
<td>*ENGL 111 – English Composition</td>
<td>3</td>
<td>RADT 201 – Positioning III &amp; Lab</td>
<td>3</td>
</tr>
<tr>
<td>*HLHS 101 – Medical Terminology</td>
<td>3</td>
<td>RADT 209 – Radiographic Positioning IV</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>13</td>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GENERAL EDUCATION PREREQUISITES 2ND SEMESTER</th>
<th>CREDITS</th>
<th>RADIOLOGY TECHNOLOGY CURRICULUM SUMMER SEMESTER 5</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>APHY 102 – Anatomy &amp; Physiology II</td>
<td>3</td>
<td>RADT 202 – Radiographic Clinical Education III</td>
<td>4</td>
</tr>
<tr>
<td>COMM 101 or COMM 102</td>
<td>3</td>
<td>Total</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 101 or SOCI 111</td>
<td>3</td>
<td>FALL SEMESTER 6</td>
<td></td>
</tr>
<tr>
<td>PSYC 101 or SOCI 111</td>
<td>3</td>
<td>Total</td>
<td>9</td>
</tr>
<tr>
<td>RADT 203 – Radiographic Clinical Education IV</td>
<td>4</td>
<td>Total</td>
<td>12</td>
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</table>

<table>
<thead>
<tr>
<th>RADIOLOGY TECHNOLOGY CURRICULUM FALL SEMESTER 3</th>
<th>CREDITS</th>
<th>RADIOLOGY TECHNOLOGY CURRICULUM SPRING SEMESTER 7</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADT 111 – Orientation and Patient Care &amp; Lab</td>
<td>5</td>
<td>RADT 204 – Clinical Education V</td>
<td>4</td>
</tr>
<tr>
<td>RADT 113 – Radiographic Positioning I</td>
<td>3</td>
<td>RADT 299 – General Examination Review</td>
<td>3</td>
</tr>
<tr>
<td>RADT 114 – Clinical Education I</td>
<td>3</td>
<td>Total</td>
<td>7</td>
</tr>
<tr>
<td>RADT 115 – Radiation Positioning II</td>
<td>3</td>
<td>Total</td>
<td>7</td>
</tr>
<tr>
<td>Total</td>
<td>14</td>
<td>Total Program Credits</td>
<td>74</td>
</tr>
</tbody>
</table>

*Denotes courses that are given points for grades for program selection

To see complete course descriptions, go to ivytech.edu/academics/courses-curriculum.html
# MEDICAL IMAGING PROGRAM
## REQUIRED COURSES FOR GRADUATION

### Prerequisites
- **IVYT 112** IVY for Health 1
- **APHY 101** Anatomy & Physiology I 3
- **APHY 102** Anatomy & Physiology II 3
- **COMM 101** Speech
  - **OR**
  - **COMM 102** Interpersonal Communication 3
- ***ENGL 111** English Composition 3
- ***MATH 136** College Algebra 3
- **PSYC 101** Introduction to Psychology 3
  - **OR**
  - **SOCI 111** Introduction to Sociology 3
- ***HLHS 101** Medical Terminology 3

### Program Courses
- **RADT 111** Orientation and Patient Care 5
- **RADT 112** Image Production & Evaluation I 3
- **RADT 113** Radiographic Positioning I & Lab 3
- **RADT 114** Radiographic Clinical Education I 3
- **RADT 115** Radiographic Positioning II & Lab 3
- **RADT 116** Radiographic Clinical Education II 3
- **RADT 117** Radiation Physics & Equipment Operation 3
- **RADT 201** Radiographic Positioning III & Lab 3
- **RADT 202** Radiographic Clinical Education III 4
- **RADT 206** Radiobiology and Radiation Protection 3
- **RADT 209** Radiographic Positioning IV and Lab 3
- **RADT 218** Image Production & Evaluation II 3
- **RADT 221** Pharmacology & Advanced Procedures 2
- **RADT 299** General Examination Review 3

### TOTAL CREDITS
74

*Denotes courses that are given points for grades for program selection
To see complete course descriptions, go to [https://www.ivytech.edu/course-catalog/index.html](https://www.ivytech.edu/course-catalog/index.html)
Medical Imaging Radiologic Technology

APPLICATION AND SELECTION PROCESS

The Medical Imaging Program has a limited enrollment based on the standards set by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Applications to the program and/or completion of prerequisite courses do not guarantee admission into the technical portion of the program.

PRE-MEDICAL IMAGING STEPS:
Since the Medical Imaging Program is a selective program, it is important that you closely follow the application steps and the requirements that follow:

1. The following steps are required for new Ivy Tech Community College students:
   a. Complete the application process for Ivy Tech Community College in the Admissions Office at any campus or on-line at www.ivytech.edu/apply-now/
   b. Provide any previous college official transcript(s) to the Registrar’s office, if applicable. Transfers are determined by the registrar office. This should be done during the first semester.
   c. Submit ACT or PSAT scores if applicable.
   d. Complete the Accuplacer or College Substitution. This is done by appointment only. Students can schedule the assessment online at http://www.ivytech.edu/assessment/ College transcripts or SAT/PSAT/ACT scores should be turned into Admissions located inside Student Services before taking the assessment test.
   e. To schedule an advising appointment, please visit MyIvy and click on STUDENT > Advising > Schedule an Advising Appointment.
   f. If necessary, complete any of the Academic Skills courses required from the results of your Accuplacer test.
   g. The student must complete IVYT 112 during their first semester at the college based on your assessment scores.

2. The student should attend a Medical Imaging session during the first semester of prerequisites to be sure that the student is taking the appropriate courses and in the correct sequence. The dates and times are listed on the website. https://www.ivytech.edu/files/Info%20Sessions%20June-Dec%202019.pdf

3. Make sure the student meets all of the physical requirements as stated in this packet.

4. Complete the prerequisites by the due dates (see below).

5. Complete the HESI Test and submit application – by the last business day of January, 2020. (Friday Jan. 31)
RADIOLOGIC TECHNOLOGY APPLICATION REQUIREMENTS:

1. Send the “Application” (use the form in this packet) for the Medical Imaging Program to the Program Office (Indianapolis campus). Room 319 Fairbanks Bldg
   a. Deadline is the last business day of January, 2020.

2. Submit an Ivy Tech Community College transcript to the Medical Imaging Program at the Indianapolis campus with the application. The transcript can be printed off MyIvy.

3. If the student has previous college courses from other colleges/universities, they must be officially approved as transfers by the registrar’s office at Ivy Tech Community College. (Accepted transfers from other Indiana colleges and universities can be viewed at [www.transferin.net](http://www.transferin.net). These transcripts do NOT need to be sent to the program if they have already been processed for transfer by the college. The program faculty does not make decisions on course transfers from other colleges to Ivy Tech Community College. That is the role of the registrar.

4. Successfully complete the following four (4) prerequisite courses by the end of the Fall semester, December 2019. These are the courses that will be awarded points for grades:
   a. APHY 101 – Anatomy and Physiology I
   b. ENGL 111 – English Composition
   c. HLHS 101 – Medical Terminology
   d. MATH 136 – College Algebra

   If a course has been repeated, the program will take the highest score of the first two attempts. The policy states “When the student has taken a prerequisite course more than once, points will be determined using the highest grade for the initial (first) two course attempts appearing on both Ivy Tech and other college transcripts. Grades for courses over 5 years old may be excluded from consideration with the applicant’s written request to be included with the application. Excluding those grades from the admission point system does not affect calculation of the student’s grade point average. (GPA.)” This includes any withdrawals “W.”

5. Successfully complete all other prerequisites by the end of the spring semester of 2020. The grades for these courses are not used in calculations for student selection. These courses are the following:
   a. IVYT 112 First Year Seminar
   b. PSYC 101 or SOCI 111 – Either Psychology or Sociology
   c. COMM 101 or COMM 102 – Either Speech or Interpersonal Communication
   d. AHPY 102 – Anatomy and Physiology II

   Failure to complete the prerequisites would mean that the student would forfeit his or her spot and the next student with the highest points will be offered admittance into the program.

6. Take the Pre-admission HESI test and submit results by the application date, (Last business day in Jan. -- Friday Jan. 31, 2020)
7. The pre-admission HESI (English, Math, Critical Thinking, Learning Style, and Personality) test can be taken at any Ivy Tech Community College Assessment Center that has the program (Indianapolis, Marion, and Terre Haute). Many have walk-in times for the test but check times and availability for the pre-admission HESI test at the test center at local campus.
   a. The pre-admission HESI test may be taken up to 2 (two) times in a two year period regardless of the testing location. Only the first two scores will be considered.
   b. There must be 30 days between the test dates.
   c. The student must pay the approved testing fee each time.
   d. Exam scores will be valid for 2 (two) years from the date of the initial pre-admission HESI test.
   e. The score from the pre-admission HESI (English, Math, and Critical Thinking) test will be used to determine points.
   f. It is recommended the student take the pre-admission HESI test more than 30 days before the application due date so there is time to repeat it to attempt a higher score.

8. Drop off application, the pre-admission HESI test results, and transcripts to room 319 on the Lawrence Campus -- 9301 East 59th St. Indianapolis, IN 46216. Incomplete submissions will not be considered for acceptance.

**Selection Process**

Selection is based on points. To see how points are awarded, we have provided an example of the Evaluation grid at the end of this packet. Points are given for Anatomy and Physiology (APHY 101), College Algebra (Math 136), English Composition (ENGL 111), and Medical Terminology (HLHS 101). The maximum points for this section are 21. The HESI test is given points by the Adjusted Overall Score. So, if a student would score 87.7%, his or her points would be 8.77. The maximum points for HESI are 10 (100%). If there are tie scores, the Math individual grade will be considered.

**The Program Requirements before Starting the First Fall Term**

Once admitted into the program, you will be notified by mail and/or email. New Imaging students will be required to do the following:

- Imaging students will be required to attend an orientation meeting, usually held in June.
- Imaging students will be required to have a Criminal Background Check and Drug Test through Certified Background. Detailed information will be sent to students that have been selected into the program.
- Students will also be required to have a proof of inoculations, including a recent TB skin test, and physical from their physician.
- Student Radiology Permits must be obtained through the state of IN (at orientation).
- New students will be required to be CPR certified for healthcare workers before the program begins.
- New students begin each fall semester and continue through the program for 21 months (5 semesters). This includes the summer semester. Class times are between 7AM and 7PM.
**Criminal Background Check and Drug Testing**

Ivy Tech policy states that students in Health Sciences and Nursing Programs that are enrolled in clinical courses must perform a criminal background check and drug testing before starting the first semester of clinical as part of the admission process. This procedure is repeated at the start of the second year. Ivy Tech uses Certified Background. Information on how to purchase search and drug testing is sent to students in their acceptance letter.

The results must be satisfactory to the clinical sites to complete this portion of the coursework. Although personal information will be kept confidential, names and results of the background checks, whether negative or positive, may be shared with any affiliating clinical site for the Medical Imaging program in order to determine clinical eligibility. Some clinical sites may require you to show your criminal background check results with them.

Policy States: Clinical sites have the right to refuse any student for clinical placement. Policy at clinical sites may vary in whether or not students with particular positive findings on the background check will be allowed to attend clinical. In the event there are positive findings on any portion of the criminal background check, a primary clinical site will be notified and requested to make a decision on whether or not the student will be allowed to completed a rotation at the site, in light of the specific positive findings on the criminal background check. If the clinical site will not allow the student to participate in clinical at that site, the program chair will contact up to two additional clinical sites offering the same type of clinical experience, if available, to attempt to place the student. If these attempts do not result in a clinical site placement for the student, the student will be notified that s/he may not enroll in clinical courses and any co-requisite courses. In most cases, this will mean that the student will not be able to progress in the program, and will therefore not be able to complete the courses required for graduation.

For complete policy, [http://www.ivytech.edu/policies](http://www.ivytech.edu/policies) Policy 4.14

**Program Start and Graduation Dates**

New students begin each fall semester and continue throughout the program for 21 months (5 semesters). This includes the summer semester. Graduation is usually the second week of May. Students starting in 2020 would begin in August 2020 and graduate May 2022.

**Program Costs**

- **Tuition:** 2019-2020 is $145.01 per credit hour. The Medical Imaging Program is 74 credits = $10,730.74.
- **Books:** costs vary by course. The average cost for the radiography books is about $1500.00 for the 5 semesters.
- **Technology Fee:** $75.00 per semester.
- **Consumable Fees:** $490.00 This includes supplies for certain course like radiation monitoring badges, lab supplies, and the Trajecsys for clinical classes, Rad Boot Camp for Positioning Classes.
Uniforms: Students are required to purchase a minimum two sets of hunter green scrubs, lab coat, and shoes. Cost will vary.

Criminal Background Check and Drug Screening: Initial Check = $119.90. Recheck = $72.20.

Travel: Students are required to attend clinicals 2-3 times a week. There will be travel expenses for gas and wear-and-tear on cars. 
All items and cost are estimates and are subject to change.

Program Calendar
The program follows the same academic calendar as the college. The calendar is on page 4 of the Medical Imaging Program Student Handbook. Also, this can be found at www.ivytech.edu/calendar.

Grading Policy
The program grading scale is:
   A- 100-94
   B- 93-88
   C- 87- 84
   D-83-80

Policies
Students that are accepted in the Medical Imaging Program are given a Student Handbook with all program policies and other college information including refund policies, academic calendars, academic policies, clinical obligations, grading system, graduation requirements, and the criteria for transfer of credit. Policies are available to all interested parties by contacting the Program Faculty.

College policies are available on MyIvy under the Student tab, then Student Resources.

Program Calendar and Holidays
The program follows the same academic calendar as the college. The Medical Imaging program will follow the same semester breaks as the college. Students will also observe holidays recognized by the college. The calendar can be viewed at https://www.ivytech.edu/calendar

Classroom and Clinical Hours
Medical Imaging students are required to rotate throughout the various clinical sites. While in the Medical Imaging program, students will be assigned to three different clinical sites to assure opportunities with different types of exams and equipment. According to policy, students will NOT be scheduled for more than a total of forty (40) hours per week. The JRCERT recognizes traditional assignments as any scheduled clinical hours between 5:00AM and 7:00 PM weekdays.

Clinical Rotations
Students will be required to rotate to different hospitals and clinics for the clinical portion of their education. Students will be assigned locations before each semester begins. Proximity to a clinical site does not guarantee rotation to that site. The currently approved clinical sites include the following:
Students may be assigned to any of our clinical sites, so students need to be aware that driving a great distance to clinical may be necessary.

**Transfer of Credits**

Ivy Tech Community College courses automatically transfer from one campus/region to another. Ivy Tech accepts courses from other colleges and universities with grades of C or better from regionally accredited colleges regardless of the age of the course. There are some exceptions if the case of very specialized computer and technology classes, which are reviewed on a case-by-case basis. Transfer credits will be evaluated and transfer of credits will occur through college policy.

Any student who wishes to submit a transcript for consideration of previously earned credits must have the transferring institution send an official transcript to the Registrar. The registrar will forward information on non-CTL courses to the appropriate department or school for review. The Department or school will make recommendations regarding credit transfer to the Regional Academic Officer or designee, and the Registrar will record transferred credit as earned hours on the student’s official permanent record in a reasonable, timely manner.

Acceptance of transfer credits that are not equivalent to courses on the College’s course inventory are applied to program electives subject to approval by the Regional Academic Officer or designee.

The student may be asked to supply pertinent course descriptions or copies of the college catalog(s) if further documentation is needed to facilitate credit review. Transferred credits is included in earned hours, but does not affect the grade point average. Students wishing to transfer in technical courses that fulfill program requirements (non-elective courses) may be asked to demonstrate competency if the transfer coursework is outdated. Final authority for transfer credit rests with the Regional Academic Officer or designee.

**Transferring to a 4 year degree**

Ivy Tech Community College has articulation agreements with IUPUI, and the University of Southern Indiana, and Franklin College’s Bachelors’ degree programs in Medical Imaging. See Ivy Tech website for details.
Transferring from other Medical Imaging Programs
Students that would like to transfer from one radiology (imaging) program to Ivy Tech Community College’s Indianapolis Medical Imaging program shall be subject to the availability of an appropriate clinical placement and student admission policies. Transfer students must meet all requirements for college admission. Students must have successfully completed all of the pre-requisite courses required for the Indianapolis Ivy Tech Medical Imaging Program. Course syllabi, health records, competencies, and transcripts must be reviewed and approved by the Program Chair before a student can be allowed to transfer. Students may be asked to show competency in positioning courses or asked to repeat a positioning course that the student has already completed if the student has been out of a program for more than one semester before being allowed to transfer. All previous competencies completed from the transfer program will be repeated at Indianapolis, Ivy Tech Medical Imaging program.

FAQ
1. How many students do you accept every year?
   a. Presently it is 15.
2. How many applications do you receive?
   a. It varies from year to year but average is around 65-70.
3. Is there a waiting list?
   a. No, we do not use a waiting list. If an applicant is not selected, then he or she must reapply the following year.
4. What is your deadline for the application?
   a. The deadline is the last business day of January.
5. When are students selected?
   a. The selection process will be no later than midterm of the spring semester.
6. How will I know if I am accepted?
   a. Students will receive a letter/email from the Program Chair regarding acceptance or non-acceptance.
7. What are the prerequisites?
   a. See the curriculum sheet in this booklet.
8. Do I have to take the prerequisites in Indianapolis?
   a. No, the prerequisites may be taken at any Ivy Tech campus.
9. What is the HESI?
   a. The HESI is the Professionals Admission Assessment Exam. It is designed to assist students in preparation for entrance into higher education in a variety of health-related professions. The sections required for entrance into the Medical Imaging program are the Math, English, Critical Thinking, Learning Style, and Personality Style.
10. Where do I take the HESI?
    a. The HESI can be taken on any Ivy Tech campus that has the Medical Imaging program (Indianapolis, Terre Haute, or Marion campuses) in the assessment center.
11. What do I need to score on the HESI?
    a. We do not require a certain score. We use the score from the HESI as well as the grades for entrance into the program.
12. How can I study for the HESI?
   a. Students can get information online at www.elsevier.com and type HESI into the search engine. There is a review book for the test that can be bought from Elsevier or the campus bookstore.

13. How do I schedule the HESI test?
   a. **Step 1** - Schedule your HESI exam by clicking on the CASS Self-Serve link: www.ivytech.edu/schedulenow also now in MyIvy located under Student / Course Info / Schedule Testing Appointment.
   b. **Step 2** - Click on Student Login and use your Ivy Tech email address and password.
   c. **Step 3** - Click on “Certification and all other exams.”
   d. **Step 4** - Click on the link “This exam is not associated with an Ivy Tech course.”
   e. **Step 5** - Type in Elsevier Advantage for the test name.
   f. **Step 6** - Select HESI Imaging Science and click next.
   g. **Step 7** - Select the campus where you would like to schedule the exam (Indianapolis, Marion, or Terre Haute) and click next.
   h. **Step 8** - Click on the red calendar and select the date for your exam appointment and click next.
   i. **Step 9** - Use the dropdown box and select the time for your appointment and click next.
   j. **Step 10** - Review your appointment details and click next.
   k. **Step 11** - Select “Pay now via credit card online.” The cost of the exam is $65.00 for students.
   l. **Step 12** - Click on “Credit Card Payment Form” and complete credit card payment transaction.
   m. **Step 13** - Click on “Submit My Appointment Request.”
   n. **Step 14** – Watch for your payment receipt and confirmation emails for your appointment request.

14. How are students selected?
   a. The selection process is decided by a point system. Points are awarded for the grades of the following:
      i. APHY 101 – Anatomy and Physiology I
      ii. ENGL 111 – English Composition
      iii. HLHS 101 – Medical Terminology
      iv. MATH 136 – College Algebra
         1. These must be completed by the end of December, 2019
   b. Score of the HESI test.

15. Where are your clinical sites?
   a. Students will be required to rotate to different hospitals and clinics for the clinical portion of their education. Students will be assigned locations before each semester begins. Proximity to a clinical site does not guarantee rotation to that site. There is a list of clinical sites included in this packet.

16. Can I take the prerequisite courses in the summer if I didn’t get them done in the Spring semester?
   a. No, the last of the required general education courses must be completed by the end of the spring semester of the year you apply for selection. By
signing the application the student states that he or she will successfully complete the remainder of the prerequisite courses before the end of the spring semester of the year that the student applies to the program.

17. **What do I need to do if I am accepted**

    a. If accepted into the Medical Imaging program, you will need to do the following:
        i. Attend the new student orientation.
        ii. Submit the Immunization, Tuberculosis Screening, Physical Examination and Essential Functions Requirements form signed by a physician or advanced registered nurse practitioner, and/or licensed physician assistant.
        iii. Have a current CPR card.
        iv. Hepatitis B surface antibody shot is required. Details will be sent prior to starting the program.
        v. Drug screen & criminal background check.

    b. You will be sent a letter with full instructions at time of acceptance.

18. **What happens if I don’t get accepted?**

    a. If the student is not accepted into the Medical Imaging program, the student may…
        i. Reapply the following year and submit new transcripts and scores if repeated.
        ii. Consult with your advisor for other programs that you may complete or be eligible to pursue.
        iii. Discuss with the Medical Imaging program faculty on areas that need to be improved.
        iv. Discuss with the Medical Imaging program faculty an alternate plan.

19. **Will I learn US, CT, or MRI in the Medical Imaging Program?**

    a. Not ultrasound or MRI but some basics of CT. The Medical Imaging program prepares students for radiology and x-rays. During the program, students will be introduced to other imaging modalities. Presently, the Terre Haute campus does offer an AS degree in Sonography.

20. **What is the cost of the program?**

    a. The program is 74 credits so multiply 74 x the present tuition for ITCC. Other cost includes:
        i. 2 scrub outfits and shoes. These prices will vary depending on where you purchase these articles.
        ii. There is also a cost for books and lab fees. This too will vary according to market value.
        iii. Dosimetry badges and service.
        iv. Students will also travel to a variety of clinical sites so gasoline is another cost.
        v. Technology fees

    b. See cost in this packet

21. **Can I work and be in the program?**

    a. You can but we don’t recommend it. The regular hours of attending class and going to clinical are about 32-34 hours a week and you still need study time on top of that.
22. Can I take classes at night?
   a. Any of the prerequisites may be taken at anytime at any campus but once admitted into the program, most courses are daytime. Students are scheduled for some afternoon clinical rotations during their fourth and fifth semesters.

23. What if I don’t pass the Criminal Background check?
   a. Clinical sites have the right to refuse any student for clinical placement. Policy at clinical sites may vary in whether or not students with particular positive findings on the background check will be allowed to attend clinical. In the event there are positive findings on any portion of the criminal background check, a primary clinical site will be notified and requested to make a decision on whether or not the student will be allowed to complete a rotation at the site, in light of the specific positive findings on the criminal background check. If the clinical site will not allow the student to participate in clinical at that site, the program chair will contact up to two additional clinical sites offering the same type of clinical experience, if available, to attempt to place the student. If these attempts do not result in a clinical site placement for the student, the student will be notified that she or he may not enroll in clinical courses and any co-requisite courses. In most cases, this will mean that the student will not be able to progress in the program and will therefore not be able to complete the courses required for graduation.

24. If I have repeated a prerequisite, which grade to use?
   a. The policy states “When the student has taken a prerequisite course more than once, points will be determined using the highest grade for the initial (first) two course attempts appearing on both Ivy Tech and other college transcripts. Grades for courses over 5 years old may be excluded from consideration with the applicant’s written request included in the application packet. Excluding those grades from the admission point system does not affect calculation of the student’s grade point average (GPA).”

Certification/Licensure Training Disclaimer

Ivy Tech Community College cannot guarantee that any student will pass a certification or licensing exam. Your success will be determined by several factors beyond the instruction you are given in the classroom including your test-taking skills, your willingness to study outside of class, and your satisfactory completion of appropriate practice exams. Certification and licensure exam questions are drawn from databases of hundreds of possible questions; therefore, a thorough understanding of the subject matter is required. The goal of Ivy Tech in providing a certification/licensure exam studies class is to assist you in understanding the material sufficiently to provide a firm foundation for your studies as you prepare for the exam.
# Evaluation Grid

Name: ___________________________  Student ID __________________________

**GPA Points for Courses:** For each letter grade received in the prerequisites courses, the student will receive points according to the following scales:

<table>
<thead>
<tr>
<th>APHY, MATH, HLHS</th>
<th>ENGL Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A = 6 points</td>
<td>A = 3 points</td>
</tr>
<tr>
<td>B = 4 points</td>
<td>B = 2 points</td>
</tr>
<tr>
<td>C = 2 points</td>
<td>C = 1 points</td>
</tr>
<tr>
<td>D = 0 points</td>
<td>D = 0 point</td>
</tr>
</tbody>
</table>

Please fill in the courses you have or you are currently taking. If you are taking a course, please wait to fill it the grid until final grades are posted.

<table>
<thead>
<tr>
<th>COURSE NUMBER AND NAME</th>
<th>SEMESTER TAKEN</th>
<th>GRADE</th>
<th>POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>APHY 101 – Anatomy &amp; Physiology 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 111 – English Composition</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 136 - College Algebra</td>
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<td></td>
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<tr>
<td>HLHS 101 – Medical Terminology</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
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</tbody>
</table>

**Course Completion:**

<table>
<thead>
<tr>
<th>COURSE NUMBER AND NAME</th>
<th>SEMESTER TAKEN OR WILL BE TAKEN</th>
<th>GRADE RECEIVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>APHY 102 – Anatomy &amp; Physiology 11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 1XX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 101 or SOCI 101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IVYT 112</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NUMBER SUCCESSFULLY COMPLETED</strong></td>
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</tbody>
</table>

**HESI**

Point totals are taken from the CUMULATIVE score and a decimal point will be placed between numbers (example: 82% is equal to 8.2 points). Please send your highest HESI results with this grid.

<table>
<thead>
<tr>
<th>HESI TEST AREA</th>
<th>PERCENTAGE RECEIVED</th>
<th>POINTS EARNED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CUMULATIVE Total Score</td>
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<td></td>
</tr>
<tr>
<td>Grades Score</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL POINTS:</strong></td>
<td></td>
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</tr>
</tbody>
</table>
APPLICATION TO THE MEDICAL IMAGING –
RADIOLOGIC TECHNOLOGY CONCENTRATION

Name __________________________________________ (Last) (First) (Middle)

College ID # C0_ _ _ _ _ _ _

Street Address ________________________________

City ________________________________

State ___________________________ Zip ________________

Home Phone # ________________________________

Daytime or cell phone number #________________________

Ivy Tech E-Mail address ________________________________

By signing this Application, I hereby acknowledge that I must complete all the required
general education courses by end of Spring semester 2020.

Signature of Applicant ________________________________ Date ___________

The Application, Evaluation Grid, and transcripts must be submitted (post marked) no
later than the last business day of January to the campus in which you want to apply.
See contact information below.

Ivy Tech Community College of Indiana provides equal opportunity to all applicants. Applicants will
be evaluated on merit not on basis of race, color, religion, creed, gender, national origin, disability,
marital or veteran status, sexual orientation, or any other legally protected status.

OFFICIAL USE: Received on ________________________

Central Indiana
9301 East 59th St.
Indianapolis, IN 46216
Ann Wilcox – Chair
317-921-4438