Imaging Sciences Program

RADIOLOGIC TECHNOLOGY

INFORMATION AND APPLICATION PACKET
2015
Thank you for your interest in the Radiologic Technology 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 Imaging Sciences Program includes AAS degrees in Radiologic Technology, or Sonography. This packet is information about Radiologic Technology only. Presently, only the Terre Haute campus offers the Sonography program.

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 this 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 Imaging Sciences Program faculty.

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Program Chair              Clinical Coordinator
Ivy Tech Community College  Ivy Tech Community College
317-921-4438                 317-921-4402

Ivy Tech Community College Imaging Sciences Program-Indianapolis 2014
5 year average national exam pass rate = 98%
5 year average job placement rate = 81%
2014 Program completion rate= 14/14 = 100%
2014 National exam pass rate = 14/14= 100%

In the future these statistics will be posted at www.jrcert.org

Joint Review Committee on Education in Radiologic Technology
20 N. Wacker Dr., Suite 2850
Chicago, IL. 60606-3182)
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 disease, fractures, or any irregularities. Therefore, a radiographer must be a professional who is skilled in the art and science of radiography and is able to apply scientific knowledge, problem-solving techniques, and the use of high tech equipment, while providing quality patient care. Technologists are employed in hospitals, clinics, physicians 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 Radiologic Technology 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, it is a full-time program with the students rotating to the clinical sites and to the didactic instruction at Ivy Tech Community College.

For some health programs, 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.
The Mission of the Radiologic Technology Program at Ivy Tech Community College in Indianapolis, Indiana, Central Indiana is to provide graduates knowledge through educational opportunities in Radiologic Technology, therefore providing Indianapolis and the surrounding areas with competent individuals to function within a healthcare environment.

**PROGRAM GOALS**

The following are the goals for the Radiologic Technology Program:

1. Students will be clinically competent
2. Students will develop critical thinking and problem solving skills.
3. Students will be able to communicate.
4. Students will evaluate the importance of professional growth and development.

**STUDENT LEARNING OUTCOMES**

Students will provide appropriate patient care.

Students will practice radiation safety principles.

Students will apply problem solving skills.

Students will demonstrate critical thinking skills.

Students will demonstrate oral communication skills.

Students will demonstrate written communication skills.

Students will demonstrate professional growth and development.

Students will summarize their professional/growth development at end of program.
## PROGRAM EFFECTIVENESS Imaging Sciences - Central Indiana 2010-2014

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Measurement</th>
<th>Benchmark</th>
<th>Number of Students</th>
<th>Results</th>
</tr>
</thead>
</table>
| Graduates will pass the ARRT exam | 1st time ARRT exam results | 75% or higher For 5 year pass rates | 2014: 14 of 14  
2013: 6 of 6  
2012: 14 of 14  
2011: 11 of 12  
2010: 14 of 14 | 2014: 100%  
2013: 100%  
2012: 100%  
2011: 91%  
2010: 100%  
5 yr Av= 98.2% |
| Graduates will be gainfully employed within 6 mos graduation | Graduate survey-4-Place of Employment | 75% or higher | Number of students seeking employment  
2014: 12 of 13  
2013: 6 of 6  
2012: 13 of 14  
2011: 11 of 12  
2010: 13 of 13 | Number of students employed  
2014 12/13=92%  
2013 5/6%=83%  
2012 11/14=78%  
2011 9/12 =75%  
2010 10/13=77%  
5 yr Av= 81% |
| Students will complete the program | Number of students that started cohort will finish | 70% of fall start will graduate in same cohort | Number of Graduates  
2014: 14/14  
2013: 6/13  
2012: 14/14  
2011: 12/15  
2010: 14/18 | 2014: 100%  
2013: 46%  
2012: 100%  
2011: 80%  
2010: 77%  
5yr Av= 81% |

Program effectiveness can also be found at the JRCERT website:
# RADIOLIC 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**       |
| **VISUAL**              | • See objects up to 20 inches away (e.g., information on a computer screen, skin conditions)  
<pre><code>                      | • See objects up to 20 feet away (e.g., patient in a room) |
</code></pre>
<table>
<thead>
<tr>
<th>Function</th>
<th>Program-Specific Examples</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Function</td>
<td>Program-Specific Examples</td>
<td>Frequency</td>
</tr>
<tr>
<td>TACTILE</td>
<td>• See objects more than 20 feet away (e.g., client at end of hall)</td>
<td>C</td>
</tr>
<tr>
<td>TACTILE</td>
<td>• Use depth perception</td>
<td>C</td>
</tr>
<tr>
<td>TACTILE</td>
<td>• Use peripheral vision</td>
<td>C</td>
</tr>
<tr>
<td>TACTILE</td>
<td>• Distinguish color (e.g., color codes on supplies, charts, bed)</td>
<td>C</td>
</tr>
<tr>
<td>TACTILE</td>
<td>• Distinguish color intensity (e.g., flushed skin, skin paleness)</td>
<td>F</td>
</tr>
<tr>
<td>SMELL</td>
<td>• Feel vibrations (e.g., palpate pulses)</td>
<td>F</td>
</tr>
<tr>
<td>SMELL</td>
<td>• Detect temperature (e.g., skin, solutions)</td>
<td>F</td>
</tr>
<tr>
<td>SMELL</td>
<td>• Feel differences in surface characteristics (e.g., skin turgor, rashes)</td>
<td>F</td>
</tr>
<tr>
<td>SMELL</td>
<td>• Feel differences in sizes, shapes (e.g., palpate vein, identify body landmarks)</td>
<td>F</td>
</tr>
<tr>
<td>SMELL</td>
<td>• Detect environmental temperature (e.g., check for drafts)</td>
<td>F</td>
</tr>
<tr>
<td>READING</td>
<td>• Read and understand written documents (e.g., policies, protocols)</td>
<td>F</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Read and understand columns of writing (flow sheet, charts)</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Read digital displays</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Read graphic printouts (e.g., EKG)</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Calibrate equipment</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Convert numbers to and/or from the Metric System</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Read graphs (e.g., vital sign sheets)</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Tell time</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Measure time (e.g., count duration of contractions, etc.)</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Count rates (e.g., pulse)</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Use measuring tools (e.g., thermometer)</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Read measurement marks (e.g., measurement tapes, scales, etc.)</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Add, subtract, multiply, and/or divide whole numbers</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Compute fractions (e.g., medication dosages)</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Use a calculator</td>
<td>C</td>
</tr>
<tr>
<td>ARITHMETIC COMPETENCE</td>
<td>• Write numbers in records</td>
<td>C</td>
</tr>
<tr>
<td>EMOTIONAL STABILITY AND</td>
<td>• Establish therapeutic boundaries</td>
<td>C</td>
</tr>
<tr>
<td>EMOTIONAL STABILITY AND</td>
<td>• Provide patient with emotional support</td>
<td>C</td>
</tr>
<tr>
<td>INTERPERSONAL SKILLS</td>
<td>• Adapt to changing environment/stress</td>
<td>C</td>
</tr>
<tr>
<td>INTERPERSONAL SKILLS</td>
<td>• Deal with the unexpected (e.g., client going bad, crisis)</td>
<td>C</td>
</tr>
<tr>
<td>INTERPERSONAL SKILLS</td>
<td>• Focus attention on task</td>
<td>C</td>
</tr>
<tr>
<td>INTERPERSONAL SKILLS</td>
<td>• Monitor own emotions</td>
<td>C</td>
</tr>
<tr>
<td>INTERPERSONAL SKILLS</td>
<td>• Perform multiple responsibilities concurrently</td>
<td>C</td>
</tr>
<tr>
<td>INTERPERSONAL SKILLS</td>
<td>• Handle strong emotions (e.g., grief)</td>
<td>C</td>
</tr>
<tr>
<td>INTERPERSONAL SKILLS</td>
<td>• Negotiate interpersonal conflict</td>
<td>C</td>
</tr>
<tr>
<td>INTERPERSONAL SKILLS</td>
<td>• Respect differences in clients</td>
<td>C</td>
</tr>
<tr>
<td>Function</td>
<td>Program-Specific Examples</td>
<td>Frequency</td>
</tr>
<tr>
<td>---------------------</td>
<td>------------------------------------------------------------------------------------------</td>
<td>-----------</td>
</tr>
</tbody>
</table>
| COMMUNICATION SKILLS| • Establish rapport with clients  
• Establish rapport with co-workers  
• Teach (e.g., client/family about health care)  
• Explain procedures  
• Give oral reports (e.g., report on client's condition to others)  
• Interact with others (e.g., health care workers)  
• Speak on the telephone  
• Influence people  
• Direct activities of others  
• Convey information through writing (e.g., progress notes) | C         |
| CRITICAL THINKING   | • Identify cause-effect relationships  
• Plan/control activities for others  
• Synthesize knowledge and skills  
• Sequence information | C         |
| ANALYTICAL THINKING | • Transfer knowledge from one situation to another  
• Process information  
• Evaluate outcomes  
• Problem solve  
• Prioritize tasks  
• Use long term memory  
• Use short term memory | F         |
# RADIOLOGIC TECHNOLOGY
## Prerequisites and Program Curriculum
### Semester Sequence

<table>
<thead>
<tr>
<th>GENERAL EDUCATION PREREQUISITES 1ST SEMESTER</th>
<th>CREDITS</th>
<th>RADIOLOGY TECHNOLOGY CURRICULUM SUMMER SEMESTER 5</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IVYT 101- Life or IVYT 120</td>
<td>1-3</td>
<td>RADT 201 – Radiographic Positioning III &amp; Lab</td>
<td>3</td>
</tr>
<tr>
<td>*APHY 101 – Anatomy &amp; Physiology I</td>
<td>3</td>
<td>RADT 202 – Radiographic Clinical Education III</td>
<td>4</td>
</tr>
<tr>
<td>*MATH 136 – College Algebra</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*ENGL 111 – English Composition</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*HLHS 101 – Medical Terminology</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>13-15</strong></td>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>GENERAL EDUCATION PREREQUISITES 2ND SEMESTER</th>
<th>CREDITS</th>
<th>RADIOLOGY TECHNOLOGY CURRICULUM FALL SEMESTER 6</th>
<th>CREDITS</th>
</tr>
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<tbody>
<tr>
<td>APHY 102 – Anatomy &amp; Physiology II</td>
<td>3</td>
<td>RADT 221 – Pharmacology &amp; Advanced Procedures</td>
<td>2</td>
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<tr>
<td>COMM 101 – Speech or COMM 102 – Interpersonal Communication</td>
<td>3</td>
<td>RADT 209 – Radiographic Positioning IV</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 101 – General Psychology or SOCI 111 – Principles of Sociology</td>
<td>3</td>
<td>RADT 203 – Radiographic Clinical Education IV</td>
<td>4</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>9</strong></td>
<td></td>
<td><strong>3</strong></td>
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<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>
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<tbody>
<tr>
<td>RADT 111 – Orientation and Patient Care &amp; Lab</td>
<td>5</td>
<td>RADT 204 – Radiographic Clinical Education V</td>
<td>4</td>
</tr>
<tr>
<td>RADT 114 – Radiographic Clinical Education I</td>
<td>3</td>
<td>RADT 299 – General Examination Review</td>
<td>3</td>
</tr>
<tr>
<td>RADT 113 – Radiographic Positioning I &amp; Lab</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADT 117 – Radiation Physics &amp; Equipment Operation</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
<td></td>
<td><strong>7</strong></td>
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<table>
<thead>
<tr>
<th>RADIOLOGY TECHNOLOGY CURRICULUM SPRING SEMESTER 4</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADT 115 – Radiographic Positioning II &amp; Lab</td>
<td>3</td>
</tr>
<tr>
<td>RADT 116 – Radiographic Clinical Education II</td>
<td>3</td>
</tr>
<tr>
<td>RADT 112 – Image Production &amp; Evaluation I</td>
<td>3</td>
</tr>
<tr>
<td>RADT 206 – Radiobiology and Radiation Protection</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

**Total for the Program** 74-76

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

To see complete course descriptions, go to ivytech.edu/academics/courses-curriculum.html

To see complete course descriptions, go to ivytech.edu/academics/courses-curriculum.html
Radiologic Technology

APPLICATION AND SELECTION PROCESS

If You Are Planning To Apply To The Radiologic Technology Program, PLEASE Read This Information Carefully

The Radiologic Technology 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- RADIOLOGY STEPS:
Since the Radiology Technology 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:
   - 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/
   - Students must complete an Online Orientation. The online orientation can be found inside their Campus Connect account on the upper left hand side of the main page in the “Quick Links” sections. To set up your Campus Connect account please go to http://cc.ivytech.edu/cp/home/displaylogin and click on “First Time Users.” You must have your Student ID Number (C0)
   - Provide any previous college official transcript(s) to the Registrar's office, if applicable.
   - Submit ACT or PSAT scores if applicable.
   - Complete the Accuplacer or 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.
   - Attend a New Student Advising Session to create an IAP (Individual Academic Plan) and course registration. https://am.ivytech.edu/ameonlinein/
   - If necessary, complete any of the Academic Skills courses required from the results of your Accuplacer test.
   - You must complete IVYT 101 or IVYT120 during your first semester at the college based on your assessment scores.

2. The student should attend an Imaging Sciences 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. www.ivytech.edu/indianapolis

3. Make sure you meet all of the physical requirements as stated in this packet.

4. Complete the prerequisites by the due dates (see below).
5. Complete the TEAS - (Test of Essential Academic Skills) – by the last business day of January, 2013. (See below for details concerning the TEAS test).

RADIOLOGIC TECHNOLOGY APPLICATION REQUIREMENTS:
1. Send the “Application” (use the form in this packet) for the Radiologic Technology Program to the Program Office (Indianapolis campus). Room 319 Fairbanks Bldg
   • Deadline is the last business day of January, 2014.

2. Submit an Ivy Tech Community College transcript to the Radiologic Technology Program at the Indianapolis campus with the application.

3. If you have previous college courses from other colleges/universities that have been officially approved as transfers by the registrar’s office at Ivy Tech Community College, you will need to send a copy of the official transcript from those colleges/universities to the Radiologic Technology Program office at the Indianapolis, IN. campus.
   • This means you will need to request 2 copies from the college/university; one copy will go to the campus where you initially registered and one copy will go to the Radiologic Technology Program in Indianapolis. This also must be sent with the application.
   • You can view accepted transfers from other Indiana colleges and universities at www.transerin.net
   • For more information about transfers, please go to http://ivytech.edu/transfer.

4. Successfully complete the following four (4) prerequisite courses by the end of the Fall semester, December 2013. These are the courses that will be awarded points for grades.
   • APHY 101 – Anatomy and Physiology I
   • ENGL 111 – English Composition
   • HLHS 101 – Medical Terminology
   • MATH 136 – College Algebra
   If a course has been repeated, we 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 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.)”

5. Successfully complete all other prerequisites by June 1st of 2014. The grades for these courses are not used in calculations for student selection. These courses are the following:
   • IVYT 101 or IVT 120 First Year Seminar
   • PSYC 101 or SOCI 111 – Either Psychology or Sociology
   • COMM 101 or COMM 102 – Either Speech or Interpersonal Communication
   • 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 TEAS test, version 5 and submit results by the application date, the last business day of January, 2014.
   - The TEAS can be taken at the Fairbanks campus. Check times and availability at the testing center.
   - The TEAS may be taken up to 2 (two) times in a two year period. Only the first two scores will be considered.
   - There must be 30 days between the test dates.
   - The student must pay the approved testing fee each time.
   - Exam scores will be valid for 2 (two) years from the date of the initial TEAS test.
   - The adjusted composite score from all four components will be used to determine points. The components are Reading, Math, Science, and English.
   - It is recommended that you take the TEAS more than 30 days before the application due date so you have time to repeat it if you want to attempt a higher score.
   - Submit scores with application. Program chair must have a copy of the student’s official Individual Performance Profile of the TEAS.

**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 TEAS test is given points by the Adjusted Overall Score. So, if a student would score 87.7% his/her points would be 8.77. The maximum points for TEAS are 10.

**The Program**

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 test, and physical from their physician.
- New students will be required to be CPR certified 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.

**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 their second year. Ivy Tech uses Certified Background. Information on how to purchase search and drug test 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 affilating clinical site for the Imaging Sciences 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, go to Campus Connect – Academic Affairs – Policies and Procedure – Criminal Background Check and Drug Testing.

Program Start and Graduation Dates
New students begin each Fall semester and continue through the program for 21 months (5 semesters). This includes the summer semester. Graduation is usually the second week of May. Students starting in 2015 would begin August 24, 2015 and graduate May 2017.

Program Costs
Tuition: is presently $126.15 per credit hour. The Imaging Program is 74 credits = $9335.10.
Books: costs vary by course. The average cost for the radiography books is about $800.00 for the 5 semesters.
Technology Fee: $60.00 per semester.
Consumable Fees: $203.00 This includes supplies for certain course like radiation monitoring badges and lab supplies.
Uniforms: Students are required to purchase a minimum two sets of green scrubs, lab coat, and shoes. Cost will vary.
Criminal Background Check and Drug Screening: Initial Check = $110.00. Recheck = $76.00.
Travel: Students are required to attend clinicals 2-3 times a week. This means 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, Region 8. To view the most current academic calendar please go to http://ivytech.edu/indianapolis/calendar.html

Policies
Students that are accepted in the Imaging Sciences Program are given a Student Handbook with all of our 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 Ann Wilcox @ asisel@ivytech.edu

College policies are available on Campus Connect on the opening page, left frop menu under student handbook or go to http://www.ivytech.edu/currentstudents/2012-Students-Handbook-Statewide.pdf.

Other general information about the college can be found at www.ivytech.edu

Program Calendar and Holidays
The program follows the same academic calendar as the College, Region 6. To view the most current academic calendar please go to http://ivytech.edu/centralindiana/calendar.html

Classroom and Clinical Hours
Imaging Sciences students are required to rotate through various clinical sites. While in the Radiology 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 assignment as any scheduled clinical hours between 5:00AM and 7:00 PM weekdays.

The radiology courses are offered during the daytime only.

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:

IU North Medical Center-Carmel, IN
Franciscan St. Elizabeth Hospital-Lafayette, IN
Johnson Memorial Hospital-Franklin, IN
Major Hospital-Shelbyville, IN
Putnam County Hospital, Greencastle, IN
Rampart Radiology Clinic-Shelbyville, IN
Schneck Medical Center-Seymour, IN
Community Westview Hospital-Indianapolis, IN
White County Hospital-Monticello, IN
Witham Hospital-Lebanon, IN
Transferring to a 4 year degree
Ivy Tech Community College has articulation agreements with IUPUI, and the University of Southern Indiana’s Bachelors' degree programs in Medical Imaging. See website for details.

FAQ
1. How many students do you accept every year?
   Presently it is 15.

2. How many applications do you receive?
   It varies from year to year but average is around 75.

3. Is there a waiting list?
   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?
   The deadline is the last business day of January.

5. When are students selected?
   The selection process will be no later than midterm of the Spring semester.

6. How will I know if I am accepted?
   Students will receive a letter/email from the Program Chair regarding acceptance or non-acceptance.

7. What are the prerequisites?
   See the curriculum sheet in this booklet.

8. Do I have to take the prerequisites in Indianapolis?
   No, the prerequisites may be taken at any Ivy Tech campus.

9. What is the TEAS?
   The TEAS stands for Test of Essential Academic Skills which is a scholastic aptitude assessment test. This test covers four general areas; Math, Reading, English, and Science.

10. Where do I take the TEAS?
    See information about TEAS in the selection process of this packet. TEAS can be taken at the testing center on the Fairbanks campus.

11. What do I need to score on the TEAS?
    We do not do our TEAS scoring like nursing. We use the “adjusted individual total score” found in the upper right-hand side of the results that are given from the test center. So for example, if the score was 82.5, then the points awarded to the student would be 8.25.
12. How can I study for the TEAS?
   There is a Pre-Test manual for the TEAS test available in the Ivy Tech bookstore. There is also information about the TEAS test with practice test on the library website. [http://wwwcc.ivytech.edu/library/central-indiana/index.html](http://wwwcc.ivytech.edu/library/central-indiana/index.html)
   For sample questions and testing tips also go to [www.atitesting.com](http://www.atitesting.com).

13. How are students selected?
   The selection process is decided by a point system. Points are awarded for the grades of the following:
   - APHY 101 – Anatomy and Physiology I
   - ENGL 111 – English Composition
   - HLHS 101 – Medical Terminology
   - MATH 136 – College Algebra
     - These must be completed by the end of December, 2014
   - Composite score of the TEAS test.

14. Where are your clinical sites?
   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.

15. Can I take the prerequisite courses in the summer if I didn’t get them done in the Spring semester?
   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.

16. What do I need to do if I am accepted?
   If you are accepted into the radiologic technology program, you will need to do the following:
   - Attend the new student orientation.
   - 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.
   - Have a current CPR card.
   - Hepatitis B surface antibody shot is recommended but is optional. Details will be sent prior to starting the program.
   - Drug screen & Criminal background check.
   You will be sent a letter with full instructions at time of acceptance.

17. What happens if I don’t get accepted?
   If the student is not accepted into the radiologic technology program the student may...
   - Reapply the following year and submit new transcripts and scores if repeated.
   - Consult with your advisor for other programs that you may complete or be eligible to pursue.
   - Discuss with the Imaging Sciences Program faculty on areas that need to be improved.
   - Discuss with the Imaging Sciences Program faculty an alternate plan.
18. Will I learn US, CT, or MRI in the Imaging Sciences Program?
   Not ultrasound or MRI but some basics of CT. The radiography program is to prepare students for radiology and x-rays. During the program, students will be introduced to other imaging modalities but will not learn how to do medical procedures. Presently, the Terre Haute campus does offer an AS degree in Sonography.

19. What is the cost of the program?
   The program is 78 credits so multiply 78 x the present tuition for ITCC (you can go to www.ivytech.edu for current tuition). Other cost includes:
   - 2 scrub outfits and shoes. These prices will vary depending on where you purchase these articles.
   - There is also a cost for books and lab fees. This too will vary according to market value.
   - Dosimetry badges and service:
   - Students will also travel to a variety of clinical sites so gasoline is another cost.
   - Technology fees
   - See cost in this packet

20. Can I work and be in the program?
   You can but we don't recommend it. The regular hours of attending class and going to clinicals are about 32-34 hours a week and you still need study time on top of that.

21. Can I take classes at night?
   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.

22. What if I don't pass the Criminal Background check?
   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 s/he may not enroll in clinical course 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.

23. If I have repeated a prerequisite, which grade to use?
   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>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 101 – Medical Terminology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</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 101 or 120</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NUMBER SUCCESSFULLY COMPLETED</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>TEAS Test Area</th>
<th>Percentage Received</th>
<th>Points Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjusted Individual Total Score</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grades Score</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL POINTS:</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
APPLICATION TO THE IMAGING SCIENCES – RADIOL OLOGIC TECHNOLOGY CONCENTRATION

Name ___________________________________________________________  
(Last)   (First)   (Middle)

College ID # C0_ _ _ _ _ _ _

Street Address _________________________________________________

City __________________________________________________________

State ___________________________   Zip _________________________

Home Phone # __________________________________________________

Daytime or cell phone number # _________________________________

Ivy Tech Campus Connect E-Mail address _________________________________

By signing this Application, I hereby acknowledge that I must complete all the required general education courses by Spring semester 2015.

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 _________________________

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