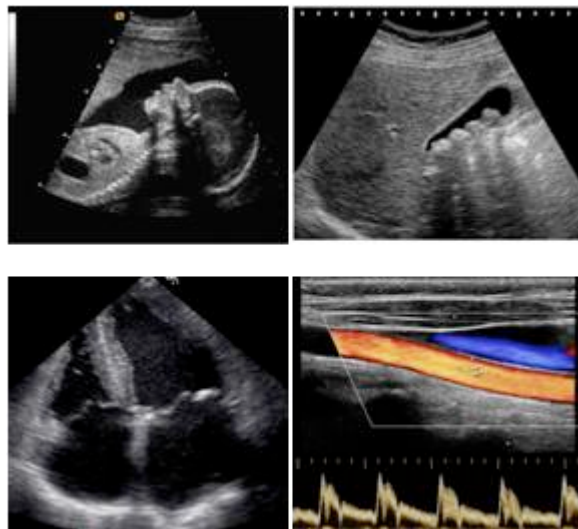




**WABASH VALLEY REGION**

**Diagnostic Medical**

**SONOGRAPHY PROGRAM**



**Information Packet**

Fall 2017 Program



Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

Dear Interested Candidate:

Thank you for your interest in the Sonography Program at Ivy Tech Community College in Terre Haute. Enclosed you will find the application steps, information about the program, the current suggested curriculum sequence, the application form, and frequently asked questions.

Our College is accredited by the North Central Association of Colleges. The Sonography program is CAAHEP accredited for the Adult Echocardiography, Vascular and General concentrations. The mission of the Diagnostic Medical Sonography Concentration at Ivy Tech Community College Wabash Valley Region is to provide a competency based educational experience that reflects the accepted standards of the profession and provides students with the knowledge, skills, and attitudes necessary to succeed as sonographers.

Sonography is truly an exciting field in healthcare; it is growing and 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 in this packet. This application packet is the most current and replaces any other previously printed application packet. If you have any questions, please contact your Program Faculty Advisor.

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Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

# Diagnostic Medical Sonography

## **DEGREE AVAILABLE:**

Associate Applied of Science

## **CONCENTRATIONS AVAILABLE:**

General Sonography  
Vascular Sonography  
Cardiac Sonography

## **ACCREDITATION:**

The Ivy Tech Community College Diagnostic Medical Sonography Program is accredited for the General, Vascular and Adult Echocardiography concentrations by Commission on Accreditation of Allied Health Education Programs (CAAHEP). Accreditation status can be found at <http://www.caahep.org/Find-An-Accredited-Program/>

## **CAAHEP**

25400 US HWY 19 North, Suite 158,  
Clearwater, FL 33763, Phone 727-210-  
2350 Fax- 727-210-2354  
[Caahep.org](http://Caahep.org)

The Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS) is a member of CAAHEP and is responsible for the maintenance and promotion of quality education standards in diagnostic medical sonography. The JRC-DMS can be contacted at:

## **JRC-DMS**

6021 University Boulevard, Suite  
500Ellicott City, MD 21043, 443-973-3251  
(phone) | 866-738-3444 (fax)  
[Jrcdms.org](http://Jrcdms.org)

## **SALARY RANGE:**

The mean salary for Sonographers is \$64,380 according to the 2010 Occupational Outlook Handbook:

<http://www.bls.gov/ooh/healthcare/diagnostic-medical-sonographers.htm>

Ultrasonography, commonly called sonography, is a diagnostic medical procedure that uses high frequency sound waves (ultrasound) to produce dynamic images of organs, tissues, or blood flow inside the body.

*Diagnostic medical sonographers* operate special equipment to direct high frequency sound waves into areas of the patient's body, which then collects reflected echoes and forms an image that may be videotaped, transmitted, or photographed for interpretation and diagnosis by a physician. Sonographers may be on their feet for long periods of time and may have to lift or turn patients.

Diagnostic medical sonographers may specialize in multiple areas of sonography such as abdominal, obstetric, gynecologic, vascular and cardiac.

Each concentration consists of a curriculum that includes patient care, sonographic technique, positioning, physics, pathology, and ethics (complete list is in this packet). Clinical practice and supplemental instruction are provided at approved clinical sites.

This Imaging Program is a selective program with limited enrollment based on clinical space availability. 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.



Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

***MISSION AND GOALS***  
**DIAGNOSTIC MEDICAL SONOGRAPHY MISSION STATEMENT**

The mission of the Diagnostic Medical Sonography Concentration at Ivy Tech Community College Wabash Valley Region is to provide a competency based educational experience that reflects the accepted standards of the profession and provides students with the knowledge, skills, and attitudes necessary to succeed as sonographers.

**PROGRAM GOALS**

According to JRC-DMS standards we set forth the following goals for the Program:

- "To prepare competent entry level general sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains" and/or
- "To prepare competent entry level adult cardiac sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains" and/or
- "To prepare competent entry level vascular technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains."



Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

# Diagnostic Medical Sonography

## *\*PHYSICAL DEMANDS AND REQUIREMENTS*

- **Standing** - Standing is required 95-100% of the time throughout the assigned clinical hours. Essentially, the position cannot be performed without the ability to stand for long periods of time.
- **Walking** - Walking is required 90-100% of the time during the course of the assigned clinical hours.
- **Climbing** - Climbing is not required except for stairs.
- **Pushing** - Pushing is required for moving the patients to and from the x-ray table
- **Pulling** - Pulling is required for both short and long durations when moving patients onto tables and when transporting to and from units. Imaging equipment may include tubes, monitors, or portables requiring significant physical exertion.
- **Lifting** – Up to 50 lbs. Most significant: must be able to assist patient to and from exam table
- **Carrying** - Students consistently carry imaging cassettes/magazines and other supplies. See lifting.
- **Exposure to Disease** - On a daily basis, involves caring for the patients with known and potential infections
- **Handling Repulsive Tasks** - Involves handling and disposing of body secretions, blood, stool, etc. The general cleaning and maintenance of an incontinent patient is not uncommon
- **Working in Confined Places** - Confined places included the processing darkroom, which is frequently used each day, each time being 1-5 minutes in duration. Must be able to work around constantly running water
- **Exposure to Potentially Harmful Radiation** - Daily contact with radiation producing devices.
- **Visual** –20/100 vision, correctable (with glasses or contacts) to 20/30 in one eye or 20/100 vision correctable (with glasses or contacts) to 20/40 in both eyes. Students must be able to distinguish colors.
- **Auditory and Speech** – Student must be able to respond to auditory codes, phones, equipment noise, and/or verbal expressions from patients and physicians for proper patient care. The student must be able to verbally communicate medical information to the patient, staff, physicians, and general public.

\* If you do not meet these requirements, check with the disability representative at your campus for help.



## Diagnostic Medical Sonography

### PHYSICAL DEMANDS AND REQUIREMENTS

Frequency: 0 = Occasionally (1-33%) F= Frequently (34-66%) C= Constantly (67-100%)

Function	Program-Specific Examples	Program-Specific Examples
<b>Gross Motor Skills</b>	<ul style="list-style-type: none"> <li>• Move within confined spaces</li> <li>• Sit and maintain balance</li> <li>• Stand and maintain balance</li> <li>• Reach above shoulders (e.g., put away supplies)</li> <li>• Reach below waist (e.g., plug electrical appliance into wall outlets)</li> </ul>	<b>F</b>
<b>Fine Motor Skills</b>	<ul style="list-style-type: none"> <li>• Pick up objects with hands</li> <li>• Grasp small objects with hands (e.g., syringe, pencil)</li> <li>• Write with pen or pencil</li> <li>• Key/type (e.g., use a computer)</li> <li>• Pinch/pick or otherwise work with fingers (e.g., manipulate a syringe)</li> <li>• Twist (e.g., turn objects/knobs using hands)</li> <li>• Squeeze with hand (e.g., blood pressure cuff)</li> </ul>	<b>C</b>
<b>Physical Endurance</b>	<ul style="list-style-type: none"> <li>• Stand (e.g., at client side during minor or therapeutic procedure)</li> <li>• Sustain repetitive movements (e.g., CPR)</li> <li>• Maintain physical tolerance (e.g., work entire shift)</li> </ul>	<b>C</b>
<b>Physical Strength</b>	<ul style="list-style-type: none"> <li>• Push and pull 50 pounds (e.g., position clients)</li> <li>• Support 50 pounds (e.g., ambulate client)</li> <li>• Lift 50-100 pounds (e.g., pick up a child, transfer patient)</li> <li>• Move light objects weighing up to 10 pounds</li> <li>• Move heavy objects weighing from 25 to 100 pounds</li> <li>• Defend self against combative client</li> <li>• Use upper body strength (e.g., perform CPR, restrain a client)</li> <li>• Squeeze with hands (e.g., operate fire extinguisher)</li> </ul>	<b>F</b>
<b>Mobility</b>	<ul style="list-style-type: none"> <li>• Twist</li> <li>• Bend</li> <li>• Stoop/squat</li> <li>• Move quickly (e.g., response to an emergency)</li> <li>• Climb (e.g., ladders/stools/stairs)</li> <li>• Walk</li> </ul>	<b>F</b>
<b>Hearing</b>	<ul style="list-style-type: none"> <li>• Hear normal speaking level sounds (e.g., person-to-person interview)</li> <li>• Hear faint voices</li> <li>• Hear faint body sounds (e.g., blood pressure sounds)</li> <li>• Hear in situations when not able to see lips (e.g., when masks are used)</li> <li>• Hear auditory alarms (e.g., monitors, fire alarms)</li> </ul>	<b>C</b>
<b>Visual</b>	<ul style="list-style-type: none"> <li>• See objects up to 20 inches away (e.g., information on a computer screen, skin conditions)</li> <li>• See objects up to 20 feet away (e.g., patient in a room)               <ul style="list-style-type: none"> <li>• See objects more than 20 feet away [e.g., client at end of hall]</li> </ul> </li> <li>• Use depth perception               <ul style="list-style-type: none"> <li>• Use peripheral vision</li> <li>• Distinguish color (e.g., color codes on supplies, charts, bed)</li> <li>• Distinguish color intensity (e.g., flushed skin, skin paleness)</li> </ul> </li> </ul>	<b>C</b>



Ivy Tech Community College of Indiana - School of Health Sciences  
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<b>Tactile</b>	<ul style="list-style-type: none"> <li>• Feel vibrations (e.g., palpate pulses)</li> <li>• Detect temperature (e.g., skin, solutions)</li> <li>• Feel differences in surface characteristics (e.g., skin turgor, rashes)</li> <li>• Feel differences in sizes, shapes (e.g., palpate vein, identify body landmarks)</li> <li>• Detect environmental temperature (e.g., check for drafts)</li> </ul>	<b>F</b>
<b>Smell</b>	<ul style="list-style-type: none"> <li>• Detect odors from client (e.g., foul smelling drainage, alcohol breath, etc.)</li> <li>• Detect smoke</li> <li>• Detect gases or noxious smells</li> </ul>	<b>F</b>
<b>Reading</b>	<ul style="list-style-type: none"> <li>• Read and understand written documents (e.g., policies, protocols)</li> </ul>	<b>F</b>

<b>Function</b>	<b>Program-Specific Examples</b>	<b>Program-Specific Examples</b>
<b>Arithmetic Competence</b>	<ul style="list-style-type: none"> <li>• Read and understand columns of writing (flow sheet, charts)               <ul style="list-style-type: none"> <li>• Read digital displays</li> </ul> </li> <li>• Read graphic printouts (e.g., EKG)               <ul style="list-style-type: none"> <li>• Calibrate equipment</li> </ul> </li> <li>• Convert numbers to and/or from the Metric System               <ul style="list-style-type: none"> <li>• Read graphs (e.g., vital sign sheets)                   <ul style="list-style-type: none"> <li>• Tell time</li> </ul> </li> </ul> </li> <li>• Measure time (e.g., count duration of contractions, etc.)               <ul style="list-style-type: none"> <li>• Count rates (e.g., pulse)                   <ul style="list-style-type: none"> <li>• Use measuring tools (e.g., thermometer)</li> </ul> </li> </ul> </li> <li>• Read measurement marks (e.g., measurement tapes, scales, etc.)               <ul style="list-style-type: none"> <li>• Add, subtract, multiply, and/or divide whole numbers                   <ul style="list-style-type: none"> <li>• Compute fractions (e.g., medication dosages)                       <ul style="list-style-type: none"> <li>• Use a calculator</li> </ul> </li> </ul> </li> <li>• Write numbers in records</li> </ul> </li> </ul>	<b>C</b>
<b>Emotional Stability And Interpersonal Skills</b>	<ul style="list-style-type: none"> <li>• Establish therapeutic boundaries</li> <li>• Provide patient with emotional support</li> <li>• Adapt to changing environment/stress</li> <li>• Deal with the unexpected (e.g., client going bad, crisis)               <ul style="list-style-type: none"> <li>• Focus attention on task</li> <li>• Monitor own emotions</li> </ul> </li> <li>• Perform multiple responsibilities concurrently               <ul style="list-style-type: none"> <li>• Handle strong emotions (e.g., grief)                   <ul style="list-style-type: none"> <li>• Negotiate interpersonal conflict</li> <li>• Respect differences in clients</li> <li>• Establish rapport with clients</li> </ul> </li> <li>• Establish rapport with co-workers</li> </ul> </li> </ul>	<b>C</b>
<b>Communication Skills</b>	<ul style="list-style-type: none"> <li>• Teach (e.g., client/family about health care)               <ul style="list-style-type: none"> <li>• Explain procedures</li> </ul> </li> <li>• Give oral reports (e.g., report on client's condition to others)               <ul style="list-style-type: none"> <li>• Interact with others (e.g., health care workers)                   <ul style="list-style-type: none"> <li>• Speak on the telephone</li> <li>• Influence people</li> <li>• Direct activities of others</li> </ul> </li> </ul> </li> <li>• Convey information through writing [e.g., progress notes]</li> </ul>	<b>C</b>
<b>Critical Thinking</b>	<ul style="list-style-type: none"> <li>• Identify cause-effect relationships</li> <li>• Plan/control activities for others</li> <li>• Synthesize knowledge and skills               <ul style="list-style-type: none"> <li>• Sequence information</li> </ul> </li> </ul>	<b>C</b>
<b>Analytical Thinking</b>	<ul style="list-style-type: none"> <li>• Transfer knowledge from one situation to another</li> <li>• Process information</li> <li>• Problem solve</li> <li>• Use long term memory</li> <li>• Evaluate outcomes</li> <li>• Prioritize tasks</li> <li>• Use short term memory</li> </ul>	<b>F</b>



### ***CRIMINAL BACKGROUND CHECKS AND DRUG TESTING INFORMATION***

In order to participate at the clinical sites, CRIMINAL BACKGROUND CHECKS and DRUG TESTING\*\*\* must be performed and 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 background checks, whether positive or negative, may be shared with any affiliating 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 to them.

As per College policy, if clinical site placement of the student is not successful, ***“...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.”*** Any existing clinical affiliate appeal processes will be shared with the student. The student is then responsible for managing their appeal directly with the clinical affiliate.

### **ETHICS ELIGIBILITY**

Completion of a criminal background check and drug screening for a Health Sciences program does not ensure eligibility for licensure, credentialing, or future employment.

If you should have a criminal matter in your past after you have reached age 18, whether it is recent or not, you must contact the following credentialing body for eligibility that pertains to you:

American Registry of Radiologic Technologists at 651-687-0048

American Registry of Diagnostic Medical Sonographers at 800-541-9754

Cardiovascular Credentialing International at 800-326-0268

### **RANDOM DRUG TESTING**

Clinical affiliates can conduct additional background checks and drug screenings (including random drug screenings during clinical) at their discretion. These tests may be at the expense of the student.

*\*\*\*Additional criminal background checks and/or drug screenings will be required in programs for students enrolled in clinical courses more than 12 months.*

*Students who are not continuously enrolled in a program until completion may be required to complete additional checks upon re-entry to a program or admission to a different program in the School of Health Sciences or School of Nursing. Clinical sites or the College may request additional background checks or drug screenings at their discretion.\*\*\**

### ***CERTIFICATION/LICENSURE TRAINING DISCLAIMER***

Ivy Tech Community College – Wabash Valley Region 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 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.





Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

## General Sonography Concentration

Prerequisites (shaded area) and Program Curriculum Semester Sequence

GENERAL EDUCATION PREREQUISITES 1 <sup>ST</sup> SEMESTER	CREDITS	GENERALSONOGRAPHY CURRICULUM SEMESTER 5	CREDITS
IVYT 112 - Student Success Elective	1	DMSI 201 – Ultrasound Physics II	3
APHY 101 – Anatomy & Physiology I *	3	DMSI 203 – OB/GYN Sonography II & Lab	4
MATH 136 - College Algebra*	3	DMSI 205 – General Sonography Clinical III	3
ENGL 111 – English Composition *	3	<b>Total</b>	<b>10</b>
HLHS 101 – Medical Terminology *	3		
<i>* Required for application to the program</i> <b>Total</b>	<b>13</b>		
GENERAL EDUCATION PREREQUISITES 2 <sup>ND</sup> SEMESTER		GENERALSONOGRAPHY CURRICULUM SEMESTER 6	
APHY 102 – Anatomy & Physiology II	3	DMSI 206– General Sonography Clinical IV	3
COMM 101 – Speech or COMM102 – Interpersonal Communication	3	DMSI 295 – Sonography Exam Review	3
PSYC 101 – General Psychology or SOC 111 – Principles of Sociology	3	<b>Total</b>	<b>6</b>
RADT 117 – Radiation Physics & Equipment Operation	3		
<i>*Required for entrance into program</i> <b>Total</b>	<b>12</b>	<b>Total Credits</b>	<b>67</b>
GENERALSONOGRAPHY CURRICULUM SEMESTER 3			
DMSI 111 –Sonography Orientation/ Patient Care/ Cross Sectional Anatomy	5		
DMSI 102 – Abdominal Sonography I &Clinical Orientation	5		
DMSI 105 – General Sonography Clinical I	3		
<b>Total</b>	<b>13</b>		
GENERALSONOGRAPHY CURRICULUM SEMESTER 4			
DMSI 101 – Ultrasound Physics I	3		
DMSI 202– Abdominal Sonography II & Lab	4		
DMSI 113 – General Sonography Clinical II	3		
DMSI 103 – OB/GYN Sonography I & Lab	3		
<b>Total</b>	<b>13</b>		

Offered Every 3<sup>rd</sup> Year



Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

## Vascular Sonography Concentration

Prerequisites (shaded area) and Program Curriculum Semester Sequence

GENERAL EDUCATION PREREQUISITES 1 <sup>ST</sup> SEMESTER	CREDITS	VASCULAR SONOGRAPHY CURRICULUM SEMESTER 5	CREDITS
IVYT 112 - Student Success Elective	1	DMSI 201 – Ultrasound Physics II	3
APHY 101 – Anatomy & Physiology I *	3	DMSI 214 – Vascular Ultrasound Clinical III	3
MATH 136 - College Algebra*	3	DMSI 210 – Vascular III & Lab	4
ENGL 111 – English Composition *	3	<b>Total</b>	<b>10</b>
HLHS 101 – Medical Terminology *	3		
<i>* Required for application to the program</i> <b>Total</b>	<b>13</b>		
GENERAL EDUCATION PREREQUISITES 2 <sup>ND</sup> SEMESTER		VASCULAR SONOGRAPHY CURRICULUM SEMESTER 6	
APHY 102 – Anatomy & Physiology II	3	DMSI 216 – Vascular Ultrasound Clinical IV	3
COMM 101 – Speech or COMM102 – Interpersonal Communication	3	DMSI 295 – Sonography Exam Review	3
PSYC 101 – General Psychology or SOCL 111 – Principles of Sociology	3	<b>Total</b>	<b>6</b>
RADT 117 – Radiation Physics & Equipment Operation	3		
<i>*Required for entrance into program</i> <b>Total</b>	<b>12</b>		
VASCULAR SONOGRAPHY CURRICULUM SEMESTER 3			
DMSI 111 – Sonography Orientation/Patient Care/ Cross sectional	5	<b>Total Credits</b>	<b>67</b>
DMSI 110 – Vascular I & Clinical Orientation Lab	5		
DMSI 114 - Vascular Ultrasound Clinical I	3		
<b>Total</b>	<b>13</b>		
VASCULAR SONOGRAPHY CURRICULUM SEMESTER 4			
DMSI 101 – Ultrasound Physics I	3		
DMSI 150 – Vascular Sonography II & Lab	4		
DMSI 116 - Vascular Sonography Clinical II	3		
DMSI 190 – Hemodynamics and EKG	3		
<b>Total</b>	<b>13</b>		

Offered Every 3<sup>rd</sup> Year



Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

## Cardiac Sonography Concentration

Prerequisites (shaded area) and Program Curriculum Semester Sequence

GENERAL EDUCATION PREREQUISITES 1 <sup>ST</sup> SEMESTER	CREDITS	CARDIAC SONOGRAPHY CURRICULUM SEMESTER 5	CREDITS
IVYT 112 - Student Success Elective	1		
APHY 101 – Anatomy & Physiology I *	3	DMSI 201 – Ultrasound Physics II	3
MATH 136 - College Algebra*	3	DMSI 220 - Cardiac III and Lab III	4
ENGL 111 – English Composition *	3	DMSI 217 – Cardiac Clinical III	3
HLHS 101 – Medical Terminology *	3	<b>Total</b>	<b>10</b>
<i>* Required for application to the program</i> <b>Total</b>	<b>13</b>		
GENERAL EDUCATION PREREQUISITES 2 <sup>ND</sup> SEMESTER		CARDIAC SONOGRAPHY CURRICULUM SEMESTER 6	
APHY 102 – Anatomy & Physiology II	3		
COMM 101 – Speech or COMM102 – Interpersonal Communication	3	DMSI 219 – Cardiac Clinical IV	3
PSYC 101 – General Psychology or SOCL 111 – Principles of Sociology	3	DMSI 295 – Sonography Exam Review	3
RADT 117 – Radiation Physics & Equipment Operation	3	<b>Total</b>	<b>6</b>
<i>*Required for entrance into program</i> <b>Total</b>	<b>12</b>		
CARDIAC SONOGRAPHY CURRICULUM SEMESTER 3			
DMSI 107 - Cardiac I & Lab I	5	<b>Total Credits</b>	<b>67</b>
DMSI 117 - Cardiac Clinical I	3		
DMSI 111 - Orientation/Pt. Care/Cross Sect.	5		
<b>Total</b>	<b>13</b>		
CARDIAC SONOGRAPHY CURRICULUM SEMESTER 4			
DMSI 101 – Ultrasound Physics I	3		
DMSI 160 – Cardiac II and Lab II	4		
DMSI 119 - Cardiac Clinical II	3		
DMSI 190 – Hemodynamics and EKG	3		
<b>Total</b>	<b>13</b>		

Offered Every 3<sup>rd</sup> Year



Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

## Program Information

### Program Costs

- **In-State Tuition** is presently \$135.15 per credit hour. The Imaging Program Sonography Concentration is 67 credits total so tuition would approximately be \$9055.05
  - Please see [www.ivytech.edu/tuition](http://www.ivytech.edu/tuition) for the most current tuition information.
- **Books** costs vary by course. The average cost for sonography books is about \$1200.00 for the 5 semesters.
- **Technology Fee** is \$60.00 per semester
- **Consumable fees** \$203.00; this includes supplies for certain courses like radiation monitoring devices and lab supplies.
- **Travel** students are also required to clinical 2-3 times a week. This means there will be travel expenses for gas and wear-and-tear on vehicles.
- **Uniforms** would include two sets of scrubs, lab coats and shoes (scrubs and lab coats must have the Ivy Tech logo and must be purchased at the Follett 7<sup>th</sup> Edition bookstore). Cost will vary.
- **Criminal Background Check and Drug Screening** Initial check = \$111.00; Annual re-check = \$76.00.
- **Physical, Immunizations, and Healthcare Provider CPR** Cost will vary.
- **ALL ITEMS AND COST ARE ESTIMATES AND ARE SUBJECT TO CHANGE**

### Program Calendar

The program follows the same academic calendar as Ivy Tech Community College Wabash Valley Region. To view the most current academic calendar please go to <http://ivytech.edu/wabashvalley/calendar.html>

### Sonography Concentration 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 the clinical rotation begins. Proximity to a clinical site does not guarantee rotation to that site. Clinical may vary according to the concentration being offered and per semester. Clinical sites are located throughout the state of Indiana.



Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

# Diagnostic Medical Sonography

## *APPLICATION AND SELECTION PROCESS*

**If You Are Planning To Apply To the Sonography Concentrations, PLEASE Read This Information Carefully**

The Sonography Program has a limited enrollment because of the limited number of clinical sites. Applications to the program and/or completion of prerequisite courses do not guarantee admission into the technical portion of the program.

### **PRE- SONOGRAPHY STEPS:**

Since the Sonography 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](http://www.ivytech.edu/apply-now).
  - Provide any official college transcript(s) to Ivy Tech Wabash Valley.
  - Complete the ACCUPLACER Assessment test, if applicable.
  - Make an appointment with your campus Academic Advising Center to help you with this process and to help you interpret your ACCUPLACER scores.
  - If necessary, complete any of the Academic Skills courses required from the results of your ACCUPLACER test.
  - Attend a New Student Orientation
  - Complete required IVYT 112 before the start of the program
2. Once the student begins taking the General education courses (see the list in this packet), you will be assigned a Faculty Advisory in the Imaging Sciences department.
  - The student needs to follow packet for the course sequencing
3. Meet all of the physical requirements (see sheet in packet).
4. Complete the prerequisites by the due dates (see next page).



Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

## Diagnostic Medical Sonography Application Requirements:

1. Apply to Ivy Tech Community College and have all transcripts sent accordingly.
2. Successfully complete the following four (4) prerequisite courses by the end of the Spring semester 2017. These courses will be awarded points for the final grade received:
  - APHY 101 – Anatomy and Physiology I
  - ENGL 111 – English Composition
  - HLHS 101 – Medical Terminology
  - MATH 136 – College Algebra
3. Successfully complete all other prerequisites by Summer 2017\*. The grades in these courses are not used in calculations for student selection. These courses are as follows:
  - PSYC 101 or SOCI 111 – Either Introduction to Psychology or Introduction to Sociology
  - COMM 101 or COMM 102 – Either Public Speaking or Interpersonal Communications
  - AHPY 102 – Anatomy and Physiology II
  - RADT 117 - Radiation Physics & Equipment Operation
  - IVYT 112 - Student Success Elective

*\*Failure to do so 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.*

4. Take the TEAS test by March 1, 2017:
  - Refer to campus-specific instructions to register for the TEAS.
  - The TEAS 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.
  - There must be at least 30 (thirty) 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.
  - TEAS tests will include all four test components: English, reading, math, science.
  - The “Adjusted Individual Total Score” will be used for determination of points for the selection process
- Send the paper Application for the Sonography Program to the Health Sciences Office (Terre Haute campus) along with a completed application materials (see page 19 of this packet).
- Deadline is March 1, 2017.



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## Getting Accepted

The following is an explanation about the process of accepting students into the Ivy Tech Community College Diagnostic Medical Sonography program.

**Acceptance into the Program:** Acceptance into the Sonography Program at Ivy Tech Community College Wabash Valley is a competitive based on grades earned in the required four (4) general education courses and the TEAS test scores.

Tie Breaker = 10% of the TEAS math component score (maximum 10 points).

**Points for the Program:** For each final letter grade received in the four (4) prerequisites courses, the student will receive points according to the following scales:

**For APHY 101, MATH 136, and HLHS 101 Courses**

A = 6 points

B = 4 points

C = 2 points

D = 0 points

V = 6 points

**For ENGL 111 Course**

A = 3 points

B = 2 points

C = 1 points

D = 0 points

V = 3 points

**For Courses Taken More Than Once:** 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, *this includes withdraws (“W”)*. Grades for courses over 5 years old may be excluded from consideration at the applicant’s written request. Excluding those grades from the admission point system does not affect calculation of the student’s grade point average (GPA).

**TEAS Test Scores:** The “Adjusted Individual Total Score” will be used for determination of points for the selection process. A decimal point will be placed between numbers (example: 73% is equal to 7.3 points; 73.5% is equal to 7.4 points). The points from the TEAS will be added to the point totals from the above general education courses. A copy of the TEAS test results must be included with your application materials. The TEAS may be taken up to 2 (two) times in a two-year period regardless of the testing location at your own expense. Only the first two scores will be considered. Exam scores will be valid for 2 (two) years from the date of the initial TEAS test. You must wait 30 days between retakes. A minimum score of 70% or above is recommended.

**The Application:** Include a completed copy of the Application with your application materials.

**The Evaluation Grid:** Include a completed copy of the Evaluation Grid with your application materials.

**Copy of Transcripts:** Transcripts need to be included with your application materials from Ivy Tech *and* any other colleges attended. Ivy Tech transcripts can be official or unofficial (Ivy Tech students can print transcripts from their student Campus Connect account).

Good Luck!



## Evaluation Grid – Diagnostic Medical Sonography Program

Name \_\_\_\_\_ Student ID # \_\_\_\_\_

Please fill in the courses you have taken or are currently taking. If you are currently taking a course, please wait to fill in the grid when final grades are posted. *If you have taken a course more than once, points are determined using the highest grade for the first two course attempts (see page 14 for more information).*

Course Number and Name	Term Taken (Fall/Spring/Summer and Year)	Grade Received	Points Earned
APHY 101 Anatomy & Physiology I			
ENGL 111 English Composition			
MATH 136 College Algebra			
HLHS 101 Medical Terminology			
<i>COURSE POINT TOTAL:</i>			

**Points for Courses:** For each final letter grade received in the 4 prerequisites courses listed above, the student will receive points according to the following scales:

**For APHY, MATH, and HLHS**

- A = 6 points
- B = 4 points
- C = 2 points
- D = 0 points
- V = 6 points

**For ENGL Course**

- A = 3 points
- B = 2 points
- C = 1 points
- D = 0 points
- V = 3 points

**Points for the TEAS:** Point totals will be 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 round up or down to the nearest 10<sup>th</sup> of a point when necessary.

TEAS Test Area	Percentage Received	Points Earned
Adjusted Individual Total Score (Found in the top right corner of test results)		
<i>Course Point Total from Above</i>		+

**TOTAL POINTS** (TEAS Point Total + Course Point Total) = \_\_\_\_\_

Course Number and Name – <b><i>NOT FOR POINTS</i></b> (must be completed and passed before starting program courses)	Term Taken/Term Will Take (Fall/Spring/Summer and Year)	Grade Received
APHY 102 Anatomy & Physiology II		
COMM 101 Introduction to Public Speaking OR COMM 102 Interpersonal Communications		
PSYC 101 Introduction to Psychology OR SOC 111 Introduction to Sociology		
RADT 117 – Radiation Physics & Equipment Operation		
IVYT 112 - Student Success Elective		





Ivy Tech Community College of Indiana - School of Health Sciences  
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## Checklist for Sonography Program

### College Admission Requirements:

1. Application to Ivy Tech Community College – Terre Haute Campus
2. Any Previous College Official Transcript(s)
3. ACCUPLACER taken or SAT / ACT Scores evaluated
4. Attend a New Student Orientation
5. If you are attending another Ivy Tech, please request your student file to be sent to Terre Haute or submit items 1-4 to the Terre Haute campus to start a student file.

### Program Admission Requirements:

- Step 1 \_\_\_\_\_ Complete the APHY 101, ENGL 111, HLHS 101, and MATH 136 courses by the end of the Spring 2017 semester (use the evaluation grid on page 15 to document); complete the remaining four (4) courses plus IVYT 112 before beginning the Sonography program.
- Step 2 \_\_\_\_\_ Complete the Test of Essential Academic Skills (TEAS V) by March 1, 2017.
- Step 3 \_\_\_\_\_ Obtain copies of all transcripts (other colleges and Ivy Tech) to turn in with your application materials. Ivy Tech transcripts are found through your Campus Connect account. (You may request assistance from the Records and Registration Office to help you locate transcripts on Campus Connect)
- Step 4 \_\_\_\_\_ **Complete and submit portfolio by March 1, 2017.**  
Application materials should be in the following order:
- Application (see page 19 of this packet)
  - Completed Evaluation Grid (see page 15 of this packet)
  - Copy of TEAS V test results (a copy is given to the student upon completion of the test)
  - Copy of all college transcripts (official or unofficial)
  - **All items must be submitted at the same time**

Mail your application materials to<sup>1</sup>:

Ivy Tech Community College  
School of Health Sciences – DMSI program  
8000 South Education Drive  
Terre Haute, IN 47802

**Or you may drop it in the Health Sciences drop box at the end of Health Sciences hall across from the restrooms.**

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<sup>1</sup> We recommend using via Certified Mail, Priority Mail, or a similar service with a delivery confirmation system



Ivy Tech Community College of Indiana - School of Health Sciences  
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## Frequently Asked Questions (FAQ)

**1. Is the program accredited and how many students do you accept every year?**

General, Vascular and Adult Echocardiography concentrations are accredited and 15 Sonography students are accepted yearly.

**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 Diagnostic Medical Sonography March 1, 2017.

**5. Where do I take the TEAS?**

TEAS V can be taken at the Certification Center or Testing Center at most Ivy Tech campuses and must be scheduled.

**6. What do I need to score on the TEAS?**

We use the “Adjusted Individual Total Score” found in the upper right-hand side of the results that are given from the test center. Ten percent of the “Adjusted Total Score” is used. So for example, if the score is 82%, then the student is awarded 8.2 points. There is no minimum required score.

**7. How can I study for the TEAS?**

There is a pre-test manual for the TEAS test available in the Ivy Tech bookstore. For sample questions and testing tips go to [www.atitesting.com](http://www.atitesting.com).

**8. How are students selected?**

The selection process is decided by a point system. Points are awarded for the following:

- Final grades of the following: APHY 101 – Anatomy and Physiology I, ENGL 111 – English Composition, HLHS 101 – Medical Terminology, MATH 136.
- Composite score of the TEAS test.

**9. What are the maximum points possible?**

An applicant can receive a maximum of 31 points. This is achieved if the applicant receives a final grade of “A” in the four required courses (for a total of 21 points) and a 100% (for a total of 10 points) on the “total individual adjusted score” for the TEAS V test.

**10. What do I do if I have already completed a college degree?**

Have your official college transcripts sent to Terre Haute Ivy Tech to be evaluated. The evaluation will determine what classes will transfer and what additional courses need to be completed. If you are attending another Ivy Tech, please request official transcripts from other colleges to be sent to your home campus for evaluation before turning in your application materials.

**11. Should I include official or unofficial transcripts with my application?**

Either. Unofficial Ivy Tech transcripts are acceptable as long as they show the final grades for your classes, particularly from transfer courses. Ivy Tech students can print an unofficial transcript from Campus Connect.

**12. When are students selected? How will I know if I am accepted?**

The selection process will be sometime in May after spring grades have been posted. Students will receive an **e-mail** regarding acceptance, non-acceptance, or alternate status.



Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

**13. What do I need to do if I am accepted?**

If you are accepted, you will need to do the following:

- Attend required orientation.
- Have current immunizations verified by a medical doctor.
  - MMR, Varicella, Hepatitis B, Influenza, Tdap
- Have current 2-Step TB skin test.
- Have current Hepatitis C titer.
- Have current eye exam.
- Have current Healthcare Provider CPR certification.
- Submit to a criminal background check and drug screen.
- Required to travel to the various clinical sites.

*Details regarding the above will be discussed at the required orientation.*

**14. What happens if I am not accepted?**

If the student is not accepted into the program, the student may...

- Reapply the following year.
  - Students must submit a new application
- Consult with your advisor for other programs that you may complete or be eligible to pursue.
- Discuss with your Program Faculty Advisor on areas that need to be improved.
- Discuss with your Program Faculty Advisor an alternate plan.

**15. What will I learn in the Program?**

Sonography – The program is designed to prepare students to perform Sonographic procedures. Students may be introduced to other imaging modalities but will not learn how to do those medical procedures.

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

You can but we do not 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.

**17. Do I have to drive to Terre Haute for classes?**

Yes, the program is Terre Haute based and students are required to attend classes at Terre Haute once a week and on-line (hybrid) classes at least three times a week.

**18. What if my criminal background check or drug screens comes back positive?**

The student may or may not be able to complete the program clinical portion of the program. The clinical portion is a requirement for graduation. We strongly encourage you to inform the program chair of any possible issues that may show up on your background check or drug screen.

**19. Are All Sonography concentrations offered at the same time?**

No. We alternate the concentrations. If you are interested in a specific concentration, please contact the program for more information.



Ivy Tech Community College of Indiana - School of Health Sciences  
Sonography Program

**APPLICATION TO THE DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM**

Name \_\_\_\_\_  
(Last) (First) (Middle)

Student ID # C0 \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Home Phone # \_\_\_\_\_

Daytime or Cell Phone Number # \_\_\_\_\_

Preferred E-Mail Address \_\_\_\_\_

By signing this Application, you acknowledge that completion of the following general education courses (PSYC 101 or SOCI 111, COMM 101 or COMM 102, RADT 117, IVYT 112 and APHY 102) must be completed and passed before starting program courses.

Signature of Applicant \_\_\_\_\_ Date \_\_\_\_\_

(Submit Application by **March 1, 2017** to the campus of 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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