

HOW TO APPLY

All students must apply online.

Deadlines vary depending on college, program and your academic level when applying.

There are early admission options for some programs.

That information and the application guidelines are on our website: www.upstate.edu/students



PREREQUISITE COURSE WORK TO INCLUDE:

56 Credit Hours of Liberal Arts and Sciences

Credits

| | |
|---|-------|
| Anatomy & Physiology I with lab | 3-4 |
| Anatomy & Physiology II with lab | 3-4 |
| General Physics with lab* | 3-4 |
| College Algebra or Pre-Calculus or Calculus | 3 |
| English Composition | 3 |
| English Elective | 3 |
| Psychology | 3 |
| Sociology | 3 |
| Liberal Arts Electives | 29-32 |

UPSTATE

MEDICAL UNIVERSITY
COLLEGE OF HEALTH PROFESSIONS

Student Admissions
1215 Weiskotten Hall | 766 Irving Avenue
Syracuse, NY 13210
315.464.4570
Fax: 315.464.8867
admissfa@upstate.edu

www.upstate.edu/chp/programs/us

BS & BPS DEGREE PROGRAMS ULTRASOUND TECHNOLOGY



UPSTATE

MEDICAL UNIVERSITY
COLLEGE OF HEALTH PROFESSIONS

UPPER-DIVISION TRANSFER
AND GRADUATE COLLEGE

ULTRASOUND TECHNOLOGY

CAREER SNAPSHOT

An Ultrasound Technologist (also called a Sonographer) is a specially trained medical imager who uses sound waves to create images of organs and tissues within the body. The Ultrasound Technologist performs a preliminary examination of the patient and creates images for the radiologist to examine.

These professionals have a high level of patient contact in which the use of interpersonal skills is critical. They work in hospitals, clinics, physician's offices, imaging centers, and industry.

Good communication skills are vital. Sonographers must share information with patients, fellow technologists, the radiologist and often the referring physician. Sonographers are alone with the patient for the entire exam; friendliness and professionalism can calm an apprehensive patient.

The sonographer must have a passion for accuracy and an excellent understanding of human anatomy. He or she must exercise judgment in selecting images for the radiologist to review.

STRENGTHS OF PROGRAM

Small class sizes, individualized attention, great clinical opportunities, strong job placement. The Ultrasound program accepts seven students per year.

Student-friendly environment that is conducive to learning.

Part of an academic medical university, with exposure to students and faculty from a variety of health care specialties within and beyond Medical Imaging.

All graduates are eligible to apply for certification through the American Registry for Diagnostic Medical Sonography. Pass rates are excellent, reaching 100 percent most years.



CLINICAL OPPORTUNITIES

Recent clinical settings for our students include Upstate University Hospital; Auburn Community Hospital; Crouse Hospital; St. Joseph's Hospital Health Center; Geneva General Hospital; VA Syracuse; Regional Perinatal Center.

BACHELOR OF SCIENCE (BS) DEGREE

Graduates of the ultrasound program are eligible to take the ARDMS certification examinations in physics, abdominal and OB/GYN ultrasound.

BACHELOR OF PROFESSIONAL STUDIES (BPS) DEGREE

This program is for students who have an associate's degree, the required prerequisite courses and ARRT certification or certification-eligible in medical imaging (X-ray). The degree is BPS Diagnostic Medical Sonography (Ultrasound).

OUTCOMES

The Ultrasound program has achieved 100 percent graduation and job placement over 10+ years.

ULTRASOUND, BS/BPS PROGRAMS OF STUDY BPS TRACK, 49 CREDIT HOURS

JUNIOR YEAR

| Fall Semester | | 14-17 Credits |
|---------------|--|---------------|
| BIOL 340 | Advanced Physiology | 3 |
| IMAG 327 | Topographic, Sectional and Imaging Anatomy for Diagnostic Medical Sonographers | 3 |
| IMAG 461 | Ultrasound Physics and Instrumentation I | 2 |
| IMAG 472 | Abdominal Ultrasound | 5 |
| BIOL 451 | Research Methods I – SUNY Gen Ed Course | 1 |
| RDSC 326 | Radiologic Science Patient Care (BS only) | 2 |
| IMAG 328 | Introduction to Imaging Modalities (BS only) | 1 |

| Spring Semester | | 14 Credits |
|-----------------|---|------------|
| HUMN 315 | Health Care Ethics | 2 |
| IMAG 462 | Ultrasound Physics and Instrumentation II | 2 |
| IMAG 475 | Obstetrics and Gynecology Ultrasound I | 3 |
| IMAG 480 | Clinical Practicum I | 7 |

| Summer | | 12 Credits |
|----------|---|------------|
| IMAG 476 | Obstetrics and Gynecology Ultrasound II | 2 |
| IMAG 481 | Clinical Practicum II | 10 |

SENIOR YEAR

| Fall Semester | | 13 Credits |
|---------------|--------------------------------------|------------|
| ENGL 325 | Professional and Technical Writing | 3 |
| IMAG 477 | Interventional Ultrasound | 1 |
| IMAG 478 | Ultrasound of Superficial Structures | 1 |
| IMAG 482 | Clinical Practicum III | 8 |

| Spring | | 14 Credits |
|----------|---------------------------|------------|
| IMAG 411 | Imaging Pathology | 3 |
| IMAG 465 | Ultrasound Senior Project | 1 |
| IMAG 483 | Clinical Practicum IV | 10 |



"The Medical Imaging program here at Upstate is very relevant to the job market out there. The training you receive in class gives you the confidence you need for the clinical setting. The faculty are very caring. They want to make sure you know the material."

John Knack, Ultrasound (BPS), Class of 2015, entered Ultrasound after earning his Radiography degree