



STATE UNIVERSITY OF NEW YORK  
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MEDICAL UNIVERSITY

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STATE UNIVERSITY OF NEW YORK  
**UPSTATE**  
MEDICAL UNIVERSITY  
SYRACUSE, NY

IT'S YOUR FUTURE.  
**MAKE IT BETTER.**





# The education to make it better

Professionals working in health care have a unique ability to improve the world in which they live.

SUNY Upstate Medical University provides education for a wide array of health care careers. As a graduate and upper-division transfer school, Upstate offers the training and knowledge it takes to improve the health and well-being of individuals and communities.

Upstate offers a comprehensive and dynamic education — including clinical experience — at SUNY tuition rates. With four colleges and our own teaching hospitals, Upstate is one of the country’s 155 academic medical centers. SUNY Upstate University includes new teaching facilities, extensive research laboratories, a cancer center, the Upstate Golisano Children’s Hospital, and a level-one trauma center.

For our bachelor’s degree programs, Upstate offers the junior and senior years of college. Students complete the prerequisite courses for their intended major from an accredited college, and then transfer to Upstate to complete their degree.

Our graduate degree programs require a bachelor’s degree to enter, and students then earn their master’s or doctoral degrees.

As our degree programs are highly specialized, we strongly urge prospective students to shadow professionals in the health care career they are considering, and this is a requirement for some programs.

Early admissions options are available for several programs.

With small classes and a faculty committed to the success of all students, SUNY Upstate can proudly point to the excellent passing rates graduates have on state licensure exams. Each year, SUNY Upstate celebrates medical residency matches that consistently exceed the national average. Our programs have superb job placement rates, and many students have positions in their field lined up before they graduate.

It’s your future. Make it better at SUNY Upstate.



## Our Students — Friendly, Focused and Involved

Our students are friendly, motivated and committed — not just to doing well in class, but also to doing good in the world.

In the classroom, laboratory or clinical setting, our students work hard to learn everything they can from our dedicated and caring faculty. They stay focused on carrying out Upstate’s mission to improve the health of the communities we serve.

That can mean staying up late to master the material on an exam, heading to the lab at 4 a.m. to make sure an experiment goes smoothly, or setting the alarm to read case notes for morning rounds in the hospital. They don’t go it alone — our students help each other, with peer study groups and mentoring networks.

And when that work is done, our students seek out opportunities to volunteer at community events or join service learning projects through Upstate’s Center for Civic Engagement. These outreach activities provide excellent leadership opportunities.

You’ll be busy here. But you’ll have plenty of opportunities to pursue outside interests on campus — intramural sports, comedy and music acts, “open mic” nights, and an array of clubs and organizations. There are also many off-campus venues for fun and recreation.

Our numbers are small with a total enrollment of about 1,600, but our students make a big impact. Join us.

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Read about our outstanding students:  
<https://blogs.upstate.edu/withdistinction>





# Upstate at a Glance



## We Respect Diversity

One of Upstate's core values is "to respect people by treating all with grace and dignity." We are a welcoming institution with a diverse student body. Our students host events, such as a health justice discussion with physicians and others, and make connections with our dialog series.

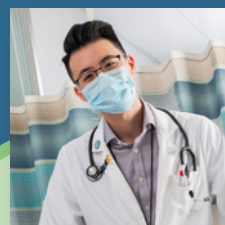
## Service Learning and Volunteering

Upstate students love to volunteer and learn clinical skills as they serve the community. Our Center for Civic Engagement provides many opportunities for outreach.



## Upstate's Proud History

Upstate's rich history includes the first American woman to receive a medical degree (Elizabeth Blackwell) and one of the country's first African-American female physicians (Sarah Loguen Fraser).



## Professional From Day One

The white coat symbolizes health care, and students in our clinical programs receive one at the start of their first year. It is another reminder that our students are treated as professionals from Day One.

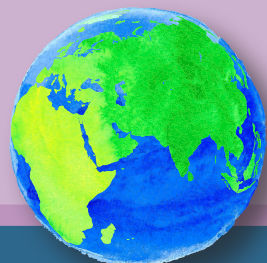
## SUNY Affordability

As a part of the State University of New York, Upstate Medical University offers affordable tuition at all degree levels. To see an estimate cost of attendance, see [www.upstate.edu/financialaid/applying/coa.php](http://www.upstate.edu/financialaid/applying/coa.php)



## Students on the Go

Several of our students travel to research conferences, "away" electives, and medical trips all over the globe. Recent destinations include Ghana, Nicaragua, China, Germany, Ecuador, El Salvador, Kenya and U.S.



## New Careers Found Here

Most students come on a direct path from undergraduate colleges, but we attract from other backgrounds as well. Pharmaceutical reps, clinical researchers, EMTs, engineers, librarians and financial professionals, have all found new career paths here.



## About Syracuse

Syracuse is a college town that offers an enviable combination of outstanding quality of life and affordable living. Our university puts you in the heart of New York's fourth-largest city.

The Upstate campus is part of Syracuse's vibrant University Hill area that includes Syracuse University and SUNY College of Environmental Science and Forestry, as well as three hospitals, including our own Upstate University Hospital.

Housing options include Upstate's Geneva Tower, a short walk from campus, as well as other nearby high-rises and off-campus apartments. Housing and many of Syracuse's cultural and dining venues are within walking distance, and there's an array of other options a short drive away.

A stronghold for abolitionists before and during the American Civil War, Central New York is proud of its heritage as a way station on the Underground Railroad and its long history of welcoming newcomers.



Syracuse is an affordable, mid-size city — fourth-largest in New York State. We're a five-hour drive from Toronto, Boston and New York City.

Geneva Tower, reserved for Upstate students and medical residents, offers a modern, nearby housing option.



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# Clinical Laboratory Sciences

Bachelor of Science in Medical Technology  
Bachelor of Science in Medical Biotechnology  
Master of Science in Medical Technology

## CAREER SNAPSHOT

The *Clinical Laboratory Sciences* encompass two related fields, medical technology and medical biotechnology.

*Medical Technologists* develop, perform and supervise laboratory testing to diagnose and treat disease and to provide vital data for research studies. Many medical technologists work in hospitals or physicians' office laboratories conducting measurements from simple blood tests to complex analyses for cancer, AIDS, bone marrow abnormalities, therapeutic drug monitoring, infectious disease and molecular diagnoses.

*Medical Biotechnologists* work with a team to conduct medical research in academic or industrial settings. In university laboratories, biotechnologists perform experiments that are part of a research study. In industrial laboratories, biotechnologists help develop and manufacture pharmaceutical drugs or vaccines. Both types of laboratories are involved in research designed to treat or prevent illness.

## PROGRAM STRENGTHS

- Abundant opportunities for students to gain excellent laboratory skills through hands-on experience with basic methods in the student laboratories and advanced techniques in clinical (Med Tech) or research (Med Biotech) laboratories.
- Exposure to modern equipment in professional laboratory settings.
- Being part of a medical university, with opportunities to learn from core faculty and guest lecturers who are experts in biomedical specialty areas.
- Students learn to correlate laboratory findings with their medical significance.
- Students are exposed to diverse career options.

*The Medical Technology program also offers a master's degree.*

## Clinical Opportunities

Med Tech students are guaranteed multiple clinical rotations in a variety of settings, such as: Bassett Medical Center; Oswego Hospital; Samaritan Medical Center; Laboratory Alliance of CNY; Syracuse VA; Upstate Hospital and Cancer Center; United Health Services (Binghamton), and Albany Medical Center.

Med Biotech students are guaranteed internships in research labs at Upstate or with one of our affiliates—Ichor Life Sciences, Masonic Medical Research Laboratory (Utica), Onondaga County Center for Forensic Sciences or Ortho Clinical Diagnostics (Rochester).

We try to help students secure an internship matching their scientific interests.

## Licenses And Accreditation

The Clinical Laboratory Sciences bachelor's degree programs are accredited by the National Accrediting Agency for Clinical Laboratory Sciences.



# Radiography (X-Ray), CT, MRI

Bachelor of Science in Medical Imaging Sciences  
Bachelor of Professional Studies in Medical Imaging Sciences

## CAREER SNAPSHOT

*Medical imaging professionals* use a variety of complex technologies and computer applications to provide practitioners with crucial visual information for the diagnosis and treatment of disease.

In radiography (X-ray), computed tomography (CT), and magnetic resonance imaging (MRI), there is a high level of patient contact. Medical imaging professionals work in hospitals, clinics, physicians' offices, imaging centers and industry. Good communication skills are vital.

### Bachelor of Science (BS) Degree

The program enrolls up to 18 students each year. All students are initially accepted to the radiography track; determination for CT and MRI tracks are made in the second semester of junior year. Program length is two years.

### Bachelor of Professional Studies (BPS) Degree

The BPS programs for CT and MRI are both available online or in-person. The programs are for radiographers (X-ray technologists) with an associates or bachelor's degree. Both programs take three semesters and allow graduates to pursue a specialty in CT or MRI.



## PROGRAM STRENGTHS

- Our program educates students in the use of sophisticated equipment and procedures to:
  - Produce radiographic images (X-rays)
  - Complete computed tomography scans (CTs)
  - Create magnetic resonance images (MRIs)
- Small class sizes, individualized attention, great clinical opportunities, strong job placement
- 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 in their discipline through the American Registry of Radiologic Technologists, which qualifies them to practice in New York State.

## Clinical Opportunities

Clinical settings for our students include Upstate University Hospital; Auburn Community Hospital; Crouse Hospital; Oswego Hospital; St. Joseph's Hospital Health Center; Geneva General Hospital; VA Syracuse and more.

## Licenses And Accreditation

The Radiography program is professionally accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The program maintains compliance with all JRCERT Standards for an Accredited Educational Program in Radiography.

## OUTCOMES

### Medical Technology:

Our graduates have an average pass rate of 98% on national certification exams; the national average is 80%.

### Medical Biotechnology:

Within 5 years, over 60% of our graduates are accepted into PhD biomedical sciences programs, medical school, PA programs, dental school, law school and more.

### Masters in Medical Technology:

Master's students specialize in microbiology. Master's students also select a minor area of concentration in management/supervision, education or basic science. The program is for certified medical technologists and does not meet requirements for NYS licensure.

*"The faculty is with us every step of the way. It's very comforting. They're extraordinary. They want all of us to succeed. This is what they do. They're not researchers somewhere else doing this on the side."*

— Danielle Safaty, Class of 2016

## OUTCOMES

**From 2017 to 2019, 87% of graduates passed the radiography credentialing exam on the first attempt and have a 100% employment rate.**

*"The Upstate faculty build a good rapport with students and they make sure you succeed. You're not just a number to them. Even after you graduate, they're there for you if you need advice."*

— Mike Nicolucci, radiologic technologist and magnetic radiologic technologist, Upstate University Hospital



# Ultrasound

Bachelor of Science in Diagnostic Medical Sonography  
Bachelor of Professional Studies in Diagnostic Medical Sonography

## 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.

### Bachelor of Science (BS) Degree

Graduates of the ultrasound program are eligible to take the ARDMS certification examinations.

### Bachelor of Professional Studies (BPS) Degree

This program is for students who have an associate or bachelor's degree in Radiography. The required prerequisite courses and ARRT certification or certification-eligible in medical imaging (X-Ray) are required for enrollment.

## PROGRAM STRENGTHS

- Small class sizes, individualized attention, great clinical opportunities, strong job placement. The Ultrasound program enrolls 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% most years.

## CLINICAL OPPORTUNITIES

Recent clinical settings for our students include Upstate University Hospital; Auburn Community Hospital; Crouse Hospital; Oswego Hospital; St. Joseph's Hospital Health Center; VA Syracuse and more.

## LICENSES AND ACCREDITATION

Although there are currently no license or accreditation requirements for Ultrasound, nearly all employers require successful completion of the registry exams — American Registry of Diagnostic Medical Sonographers (ARDMS).



## OUTCOMES

From 2015 to 2019, 91% of graduates passed the sonography credentialing exam on the first attempt and 100% are employed.

*“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), entered the Ultrasound program after earning his Radiography degree

# Radiation Therapy

Bachelor of Science in Radiation Therapy  
Bachelor of Professional Studies in Radiation Therapy

## CAREER SNAPSHOT

*Radiation therapists* are part of a team of cancer care professionals who use carefully targeted doses of powerful radiation beams to destroy tumors without permanently damaging the surrounding normal tissues. The radiation therapist is directly responsible for the daily treatment of patients using sophisticated equipment. Since these treatments are normally given daily for up to seven weeks, radiation therapists need strong interpersonal skills. We encourage applicants to tour a radiation oncology department at a hospital or outpatient facility.

Working with physicians, medical physicists and medical dosimetrists, radiation therapists also assist in a wide range of other tasks including:

- Using CT equipment to locate the precise area to be treated
- Constructing patient immobilization and beam shaping devices
- Using highly specialized computers to plan treatment and calculate the radiation dose

## PROGRAM STRENGTHS

- Small class size and faculty who care about each student.
- Each student works one-on-one with licensed radiation therapists.
- Program includes student rotations in simulation, treatment planning (dosimetry) and treatment delivery
- Excellent reputation earned over 55 years of graduating competent radiation therapists who are now practicing across the nation.
- Program has always maintained full professional accreditation.
- Opportunities for immersive clinical experience at 35 clinical affiliates across Upstate New York, ranging from small rural clinics to university settings.

## CLINICAL OPPORTUNITIES

Students complete 40+ weeks of full-time clinical education at oncology centers throughout Upstate New York. These sites include centers in Syracuse, Rochester, Buffalo, the North Country, Southern Tier, Capital District and Hudson Valley.

## LICENSES AND ACCREDITATION

The Radiation Therapy program is professionally accredited by the Joint Review Committee on Education in Radiologic Technology.



## OUTCOMES

98% of graduates passed the credentialing exam on the first try, and have a 100% employment rate.

*“In high school I started volunteering at a hospital. I was in contact with patients and saw a lot of people. I realized this is something I can do — I want to get involved in helping people and healing people. That played a big role in my choice to come to Upstate.”*

— Amelia Weimar, alumna  
Radiation Therapy



# Respiratory Therapy

Bachelor of Science In Respiratory Therapy

## CAREER SNAPSHOT

*Respiratory therapists* are an integral part of the health care team, providing evaluation, treatment, monitoring and education to patients with difficulty breathing, including newborns with underdeveloped lungs, children with asthma and cystic fibrosis, and adults with heart failure, chest trauma, widespread infection, or COPD. Therapists provide life support using devices such as mechanical ventilators, medical gases, medications, lung-clearance therapies, patient monitors and tests.

Therapists work in many settings, including hospital intensive care and emergency departments, general medical care, disease management, sleep and pulmonary laboratories, physician offices, research settings, home and extended care agencies, medical industry, rehabilitation programs, ground and air transport, and educational facilities.

## PROGRAM STRENGTHS

- One of eight programs in the United States to receive the first AARC APEX Recognition Award for entry-level educational programs, which recognizes significant contributions from respiratory therapists and highlighting best practices that are aligned with evidence-based medicine.
- Produced more professional leaders than any other U. S. school, including the president and vice president of the American Association for Respiratory Care (AARC), the speaker of the AARC House of Delegates, and 12 Fellows of the AARC.
- One of the first schools to offer a baccalaureate degree in the profession (begun in 1975).
- Faculty and alumni are recognized nationally, statewide and locally.
- Curriculum designed to accomplish all goals set by the “2015 and Beyond” project, including preparation of leaders in the field of Respiratory Therapy.
- Many scholarships available exclusively to RT students.
- Expansion of program includes opportunities for distance learning in Rochester.

## CLINICAL OPPORTUNITIES

During the course of the 21-month program, students accrue almost 1,000 hours of clinical practice in a wide variety of settings. In the summer semester, the program has a seven-week classroom and laboratory session, followed by a summer clinical clerkship between the junior and senior years.

## LICENSES AND ACCREDITATION

The program received its fifth full five-year accreditation from the Commission on Accreditation for Respiratory Care (CoARC) in 2015. Has received CoARC’s Distinguished RRT Credentialing Success Award for the past several years. Holds institutional memberships in the Coalition for Baccalaureate and Graduate Respiratory Therapy Education (CoBGRTE) and in Lambda Beta, the national honor society for the Respiratory Therapy profession.



## OUTCOMES

**A 98% pass rate on licensure exams and 98% job placement rate. Graduates include numerous New York State Society leaders, including 10 presidents, numerous educators, program directors and hospital department managers, presidents and executives of hospitals and home-care agencies, legal consultants and research authors in peer-reviewed journals.**

*“When comparing education with other students and therapists, I’m especially proud of the program at SUNY Upstate and thankful I was a part of it. At the end of the day, the care we offer, the impact we make, and the lives we touch are their own rewards.”*

— Tim Fang,  
Respiratory Therapist,  
Seattle Children’s Hospital

# Nursing Degree Programs

Undergraduate and Graduate Level

## CAREER SNAPSHOT

*Nurses* work directly with patients in hospitals, outpatient clinics, physicians’ offices, schools, extended care facilities and other clinical settings. Nurses are a vital part of the health care team that diagnoses and treats patients of all ages and conditions. Upstate offers advanced education to those with an RN license.

In addition to compassion and empathy, nurses rely on critical thinking, medical knowledge and clinical skills. Studies show that advanced education for nurses results in better patient care.

## PROGRAM STRENGTHS

- Educating nurses since 1984, the College of Nursing has faculty who are nationally recognized from some of the finest universities in the country. The faculty includes multiple nationally board certified Nurse Practitioners in various areas including family, psychiatric, pediatric, and adult/geriatric. Sixty percent of clinical line faculty maintain active practice in their identified fields.
- Studying in an academic medical center allows our students to learn alongside those in other health professions, giving them opportunities to enhance the learning outside the classroom.
- New facilities include dedicated classroom and laboratory space for the program, as well as the newly constructed Simulation Center.
- Opportunities to participate in extramural educational opportunities funded by federal grants. The College of Nursing has student scholars enrolled in three programs from HRSA: Advanced Nursing Education and Workforce, and Opioid and Substance Use Disorders
- We work closely with our clinical sites to ensure that students have access to high quality clinical experiences in diverse practice settings.
- Small class sizes provide excellent student-to-faculty ratios.

## CLINICAL OPPORTUNITIES

Our students have opportunities to complete clinical practicums in a variety of settings focused on community populations, psychiatric mental health, and primary care with pediatrics, adults, women’s health, and geriatrics. Students are able to apply course-based theoretical knowledge to enhance their overall learning through clinical experience with preceptors who are leaders and experts in the field.

## LICENSES AND ACCREDITATION

Fully accredited by the Commission on Collegiate Nursing Education of the American Association of Colleges of Nursing (AACN).



## OUTCOMES

**As of 2021, 100% of the graduates are employed in nursing.**

## PROGRAMS

- **Bachelor of Science**  
(for RNs with an associate’s degree)
- **BS-DNP**
  - Family Psychiatric Mental Health Nurse Practitioner (FPMHNP)
  - Family Nurse Practitioner (FNP)
  - Pediatric Nurse Practitioner (PNP)
  - BS-DNP with the Adult Gerontology (pending approval)
- **Post Master’s Advanced Certificate Program**
  - Family Nurse Practitioner (FNP)
  - Family Psychiatric Mental Health Nurse Practitioner (FPMHNP)
  - Pediatric Nurse Practitioner (PNP)
- **Post-Master’s Doctor of Nursing Practice (DNP)**

*“An advanced Nursing education opens new doors, gives you a much more comprehensive skill set and dramatically improves your practice.”*

— Scott Jessie, MSN, RN, NEA-BC  
Chief Nursing Officer



# Clinical Perfusion

Master of Science in Clinical Perfusion

## CAREER SNAPSHOT

*Clinical perfusionists* use specialized blood pumps and artificial blood oxygenators to support or replace the function of a patient's own heart and lungs. The perfusionist's skills are commonly used during cardiac surgery to keep a patient alive while the patient's heart is stopped for repair.

Perfusionists monitor a patient's metabolic needs, manipulate blood flow and adjust oxygen, carbon dioxide and electrolyte levels. Perfusionists administer fluids, medications, and blood products as well as manage coagulation parameters. By processing the patient's own blood, perfusionists minimize the amount of blood lost during surgery and the amount of donor blood needed.

People who succeed in this field thrive on excitement and stressful situations. Perfusionists must be willing to be on call and accept variable work schedules.



## PROGRAM STRENGTHS

- Small cohort, with 12 students enrolled each year.
- Immersive simulation training with Orpheus, our intensive high-fidelity simulator, to teach fundamental clinical skills and concepts.
- Each student performs 30 to 40 simulated cases before performing more than 150 clinical cases at our affiliated hospitals.
- Use of high-fidelity simulation to learn how to manage rare, high-risk events.
- Diverse clinical rotations at world class institutions around the country.
- Students select between a research thesis or capstone experience in a clinical specialty that may prepare you for an additional professional certification.
- Clinical perfusion students are embedded in the clinical perfusion teams of our affiliated hospitals throughout the United States for 35 weeks to gain intensive clinical experience.

## LICENSES AND ACCREDITATION

The program is reviewed by the Accreditation Committee for Perfusion Education and is accredited by the Commission on Accreditation of Allied Health Education Programs.

## OUTCOMES

**Graduates take the American Board of Cardiovascular Perfusion's National Certification Examination. Our final five-year average exam pass rate and job placement in recent years has been 100%.**

*"Confidence to work on a real patient develops with the ability to repeatedly practice and improve on particular techniques and skills. I am certain that my education at Upstate has given me the skills I need."*

— Nicole Tomasello,  
Perfusionist,  
Brigham and Women's Hospital, Boston

# Physician Assistant

Master of Science (MS)

## CAREER SNAPSHOT

*Physician Assistants* practice medicine in all areas of medicine and surgery. Opportunities exist in primary care offices (pediatrics, family practice and internal medicine), medical sub-specialty offices such as cardiology, gastroenterology and endocrinology, as well as general surgery and surgical sub-specialty practices such as cardiothoracic surgery and orthopedics.

The physician assistant (PA) is one of the fastest growing professions in the United States. PAs have backgrounds in nursing, emergency medicine, the military, sports medicine, exercise physiology and other fields. They work in various settings including inpatient, outpatient, nursing homes, urgent care centers and emergency rooms.



## PROGRAM STRENGTHS

- Small cohort size of 35 students each year allows for small classes, individualized attention.
- Academic medical center setting allows PA students to learn alongside other graduate-level disciplines (Medicine, Physical Therapy, Nursing).
- With the PA program's move into Upstate's New Academic Building, students have access to advanced learning spaces in addition to the existing Clinical Skills Center and Anatomy Lab on campus.
- Earn a master's degree in 27 months, including 12 months of direct contact with patients.
- Students have a variety of backgrounds — EMTs, radiation therapists, military medics, pharmaceutical reps, etc.

## CLINICAL OPPORTUNITIES

Clinical rotations are primarily in rural or medically underserved communities throughout Upstate New York during the 12-month clinical phase. Students are responsible for acquiring housing, as well as the expenses associated with housing and other living expenses.

## LICENSES AND ACCREDITATION

The program is licensed by the New York State Department of Education. Graduation from an accredited physician assistant program and passage of the national certification exam are required for state licensure. Accreditation information can be found on our website: <https://www.upstate.edu/chp/programs/pa/index.php>

## OUTCOMES

**For the past five years, 99.4% of our graduates passed the Physician Assistant National Certifying Examination.**

*"One of the reasons I chose Upstate was its smaller class size and emphasis on the class working together, using all of our unique backgrounds to help each other out. As a PA I'll be able to contribute to the growing need for health care workers, especially in rural communities."*

— Christopher Littmann, PA,  
The Cohen Center,  
Thousand Oaks, CA



# Physical Therapy

Doctor of Physical Therapy (DPT)

## CAREER SNAPSHOT

*Physical therapists* work directly with people to enhance movement and foster optimal health and functional ability. Patients include those who have sustained injury or illness, have developmental deficits, have age-related problems or need preventive care.

Physical therapists evaluate and diagnose patients to determine functional abilities. They plan therapy programs to improve function by increasing strength, endurance, balance, coordination and range of motion. Physical therapists work with all systems of the body and treat patients of all ages in a variety of settings. Clinical settings include hospitals, rehab centers, private practices, universities, extended care facilities, sports medicine centers and corporate or industrial health centers.

## PROGRAM STRENGTHS

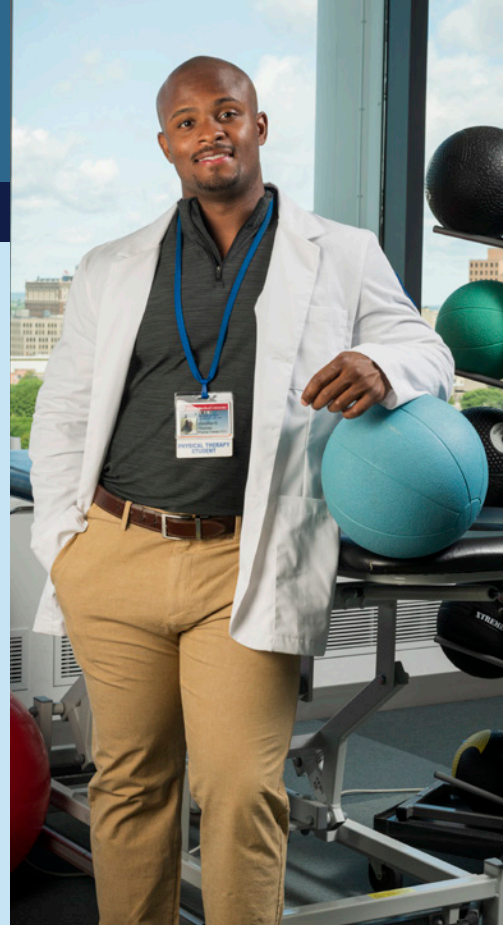
- The Integrated Standardized Patient Examination (ISPE) at the end of the first and second years helps students practice clinical skills in a structured way before their early clinical education courses.
- Integrated Clinical Experiences allow students to spend time in clinical settings early in the curriculum, interacting with patients and clinicians to build confidence and improve communication skills.
- Many opportunities for interprofessional service projects.
- Evidence-based practice principles are emphasized throughout the curriculum.
- Faculty : student ratio is excellent; small class sizes.
- With the DPT program's move into Upstate's New Academic Building, students have access to sophisticated learning spaces, in addition to the existing Clinical Skills Center and Anatomy Lab on campus.

## CLINICAL OPPORTUNITIES

Students have short-term, integrated clinical experiences as well as 36 weeks of full-time clinical education experiences throughout the program. This includes two 10-week clinical experiences in the final semester. The full-time experiences occur in four different practice settings.

## LICENSES AND ACCREDITATION

The program is accredited by the Commission on Accreditation in Physical Therapy Education.



## OUTCOMES

**We have strong performance on licensing exams and excellent job placement. Our graduates consistently score higher than the New York State and national average on first-time and ultimate passing rates on licensing exams.**

*"The faculty provide resources and materials to make sure all students succeed. That's what they want and it's evident that's what they're here for, to make sure all students become the best therapists possible."*

—Anne Reilley, DPT,  
Cayuga Medical Center

# Behavior Analysis Studies

Master of Science in Behavior Analysis Studies

## CAREER SNAPSHOT

*Autism* is one of the most pressing health concerns in the United States and there is a shortage of Behavior Analysts in New York State, especially Central New York.

The Behavior Analysis Studies Master of Science Program at Upstate Medical University College of Health Professions is designed to prepare students to apply data collection and analysis to implement evidence-based treatments for individuals with autism.

## PROGRAM STRENGTHS

- The program capitalizes on resources at SUNY Upstate Medical University and its associated hospitals, including Upstate Golisano Children's Hospital.
- The program also makes use of Upstate Medical University's existing areas of specialization in Developmental Pediatrics, Child Psychiatry and Social Work; disciplines that also factor into the continuum of care for individuals with autism and related disorders.
- The majority of the off-campus external instruction will involve supervised practicum experiences and thesis research.
- During the second year of study, students also complete a Thesis Project in which they conduct a research project under the supervision of a BAS faculty member. This project will be conducted in a manner as to produce findings that are suitable for dissemination in a peer-reviewed journal.

## CLINICAL OPPORTUNITIES

Applied learning clinical practicums are embedded in the curriculum each semester of the program. Students complete a total of 1,500 contact hours in their practica.

## LICENSES AND ACCREDITATION

In New York State, Behavior Analysts are licensed health-care professionals who provide therapeutic services for individuals with autism and related disorders. That work might include conducting assessments of problem behaviors or language deficits, developing treatments to reduce behavior and increase pro-social behavior, and caregiver training. An underlying feature of this service is a foundation in a scientist-practitioner model of therapy development and service delivery.



## OUTCOMES

**Upon completion of the entire curriculum students will:**

- Demonstrate effective communication skills with a variety of stakeholders.
- Communicate effectively with consumers, peers, faculty, other health care providers, patients, and family members.
- Prepare and deliver oral presentations in front of an audience of faculty and peers.



# Medical Preparation Program

Masters in Medical Technology

## PROGRAM SNAPSHOT

Upstate Medical University offers a rigorous one-year program to prepare promising students for medical school admission.

The Medical Scholars Preparation Program is a Master's degree program that gives students the opportunity to strengthen and cultivate their academic, clinical and analytical skills. The program specifically helps students to strengthen their scientific background for medical school.

Accepted students complete a full year of course work while applying and interviewing for medical school. Students can opt-in to a second year in the program to complete a robust research experience if they are considering an application to a MD/PhD program. A Masters in Medical Technology is awarded upon completion.

Taking place on the campus of Upstate Medical University, students will be offered advising sessions with College of Medicine Admissions counselors as well as academic support, tutoring and peer mentoring from medical students.

Historically disadvantaged and underrepresented students in medicine are strongly encouraged to apply.

## PROGRAM STRENGTHS

- The guarantee of an admissions interview at Upstate Medical University College of Medicine
- In-depth coursework to best prepare for the rigors of medical school
- A medical college preparatory program designed and hosted by a medical college
- The affordability of one year of SUNY graduate-level tuition

## CLINICAL OPPORTUNITIES

While the program does not offer formal clinical opportunities, as an academic medical center, Upstate Medical University offers many opportunities to get involved and be exposed to the reality of clinical practice.



## OUTCOMES

**100% of the 2020 Medical Preparation Program graduates were accepted into medical school.**

# Medicine

Doctor of Medicine (MD)

## CAREER SNAPSHOT

*Medical doctors* treat patients of all ages and conditions in a variety of specialties – pediatrics, family medicine, neurosurgery, anesthesiology, emergency medicine, obstetrics/gynecology, surgery, psychiatry, ophthalmology and more.

Physicians use the latest technology and evidence-based treatments to care for their patients. After earning their MD degree in medical school, which takes four years, graduates spend from three to seven years in a residency program in their chosen field.

## PROGRAM STRENGTHS

- SUNY tuition rates are below those of private medical schools.
- Academic medical center setting that includes a Level-1 trauma center, children's hospital, cancer center and biomedical research enterprise.
- Supportive environment and opportunities to learn alongside students in nursing, allied health professions and biomedical research programs.
- Curriculum that emphasizes clinical relevance from the start, leading to rewarding "clerkships" starting in third year.
- Special Rural Medical Scholars Program for students interested in practicing medicine in small communities.
- Opportunity to apply as part of a Bachelor's/MD program with select colleges.
- Opportunities for service learning, research, volunteering and leadership roles in the community and abroad.

## CLINICAL OPPORTUNITIES

Our medical students gain clinical experience in Upstate's own University Hospital, Cancer Center and Golisano Children's Hospital; at medical centers throughout the United States and, in some cases, as far away as Asia and South and Central America.

## LICENSES AND ACCREDITATION

The College of Medicine is fully accredited by the Liaison Committee on Medical Education, which accredits programs leading to the MD degree in the United States and Canada. United States graduates of LCME-accredited programs are eligible for residency programs accredited by the Accreditation Council for Graduate Medical Education (ACGME) and are eligible to take the United States Medical Licensing Examination (USMLE).



## OUTCOMES

**Our "match rate" for graduating students into medical residency programs is consistently higher than the national average. In 2021, 100% of our graduates matched.**

## BECOMING A DOCTOR

	YEARS
College .....	4
Medical School .....	4
Residency .....	3-7
Fellowship (if applicable) .....	1-2
<b>TOTAL.....</b>	<b>11-17</b>

*"I've been very fortunate to be around amazing classmates. Medical school is going to be stressful, but it's the people who make the difference."*

— Marie Fleury MD  
Surgery Resident, Stony Brook Teaching Hospitals



# Dual Degrees With Medicine

The College of Medicine offers dual-degree options for students interested in broadening the scope of their medical education into either biomedical research or public health. Each option is an efficient way of obtaining two graduate degrees.

## MD/PhD

The MD/PhD program at SUNY Upstate trains future physician-scientists who combine the practice of medicine in the clinic with biomedical research in the laboratory to understand and treat disease.

The program is committed to the recruitment of students with diverse educational and cultural backgrounds who have a passion for research in the biomedical sciences and clinical care.

Entering students complete the first two years of medical school, then select a laboratory for their doctoral research and complete their PhD (minimum three years) before finishing their third and fourth years of clinical training. MD/PhD students have their tuition waived and receive a generous stipend throughout the program.

## MD/MPH

By building on the combined strengths of Upstate's College of Medicine and Department of Public Health and Preventive Medicine, this dual degree program provides opportunities to students seeking to impact the health of the population. Students complete their MPH component in their first year and then move onto the MD component.

Students interested in applying to the MD/MPH program must complete all the requirements for admission to the College of Medicine. Students complete both degrees in five years.

## OTHER OPPORTUNITIES FOR MEDICAL STUDENTS

### The College of Medicine's Rural Medical Scholars Program

The Rural Medical Scholars Program (RMSP) is designed to identify, recruit and nurture students interested in small-town or rural practice, by offering community-based clinical training, across all four years of medical school.

Our students are offered clinical exposure in the North Country, Finger Lakes, Catskills, Adirondacks and many other beautiful areas in New York State. They learn in a community that welcomes them and provides an unparalleled opportunity to learn both the science of medicine and the art of the doctor-patient relationship.

Most students apply for the RMSP during the admissions process, while others do so later.

### The Binghamton Clinical Campus

All Upstate medical students spend their first two years at the campus in Syracuse. At the start of the third year, one-fourth of the class moves to the Binghamton Clinical Campus, in a smaller city one hour south of Syracuse for their third year. Many elect to stay there for their fourth year.

Applicants select their campus preferences two weeks after their Interview Day. The campus selection is based on the educational experience students believe will suit them best; there is no difference in residency placements or students' board scores.



## OUTCOMES

Upstate's MD/PhD graduates routinely move on to residencies at prestigious academic medical centers throughout the country.

Our graduates who earn the MD/MPH degree have said the dual degree has been a factor in helping them get their top choice of medical residency.

*"I came here because I'm interested in mental health and human development. I wanted to be as close to human subjects and applied translational research as possible."*

— Dan Tylee, student in the MD/PhD program

*"Many of the challenges adolescents face are deeply rooted in public health, which I didn't have an appreciation for prior to the public health curriculum. In particular, I narrowed in on the field of eating disorders."*

— Nicole Cifra, MD, MPH, Class of 2016

# Public Health

Master of Public Health (MPH) or Certificate of Advanced Study (CAS)

## CAREER SNAPSHOT

Public health is an interdisciplinary professional field where social, behavioral, environmental, biomedical, and clinical sciences work together to improve the health and well-being of communities and populations.

Public health professionals assess causes of health problems and develop methods to treat and prevent future occurrences. They are at the forefront of investigating problems such as lead poisoning, gun violence, substance use, disaster preparedness, obesity, social determinants of health, maternal and child health, and health services research.

Our graduates have gone on to a wide range of careers in emergency preparedness, biosecurity, biostatistics, public policy, health education, epidemiology, research coordination, medical care and not-for profit administration.

Concentrations available to public health students include:

*Data and Analytics concentration* - for those entering the field, currently employed in public health, allied health or administration fields, as well as for clinicians interested in acquiring skills to reduce disease and disability at the community level. Student outcomes include knowledge of analytical software as well as qualitative and quantitative research methods to support and guide public health.

*Global Health and Translational Science concentration* - focuses on understanding and developing solutions to global health problems and is intended for students and clinicians interested in a career focused on research, global health field work and clinical product development. Students develop core public health skills and a keen understanding of how interventions are advanced from the laboratory to global communities.

## PROGRAM STRENGTHS

- Part of an academic medical center, the program is centered within the College of Medicine and works closely with clinical departments and Upstate University Hospital.
- Small class sizes facilitate student learning and allow students individual access to our expert faculty.
- A diverse student body and varied faculty interests enrich classroom discussion and learning experiences.
- Students pay affordable SUNY tuition.

## OTHER OPPORTUNITIES

Students complete an "Applied Practice Experience" – the equivalent of an internship or field placement activity. Students are placed at sites locally, regionally, nationally and internationally. Partnerships with programs that serve special populations, including global health, refugee health, rural health and urban health give students additional opportunities to volunteer and apply what's learned in the classroom.

## LICENSES AND ACCREDITATION

The MPH Program is accredited by CEPH, the Council on Education for Public Health.



## OUTCOMES

More than 90% of graduates are either employed or continuing their education, in pursuit of terminal degrees such as MD, PhD, DrPH or other advanced degree programs.

*"I get to use my MPH training in research, data analysis, administration, health planning and program evaluation to help create a healthier community. I'm constantly pulling from the experiences the faculty shared."*

— Ian Grant, Associate Director, Johns Hopkins HealthCare Solutions (a business team within Johns Hopkins Medicine)



# College Of Graduate Studies

BIOMEDICAL SCIENCE RESEARCH

Doctor of Philosophy (PhD) or Master of Science (MS)

## CAREER SNAPSHOT

Biomedical researchers work in academic medical centers, universities, pharmaceutical laboratories, government agencies, patent law offices, biotechnology start-ups, management consulting and finance, and other diverse careers.

## EDUCATIONAL PROGRAMS

Upstate students in the College of Graduate Studies earn PhDs in one of the following programs:

Biochemistry and Molecular Biology\*  
Cell and Developmental Biology\*  
Microbiology and Immunology\*  
Neuroscience  
Pharmacology\*  
Physiology\*

\* These programs also offer a Master's degree

## PROGRAM STRENGTHS

- PhD students are given a full tuition scholarship and they receive a generous stipend.
- First-year lab rotations allow students time to choose among all six programs and a faculty advisor.
- Each year the small cohort size of 25 or fewer students fosters individualized attention in a supportive environment.
- A series of career development workshops and seminars are offered throughout the year.
- Academic medical center setting exposes students to basic, clinical and translational research all on one campus.
- Highly advanced core facilities and collaboration with other universities provide access to the latest investigative techniques.
- Opportunities to present research on campus, at conferences across the U.S. and abroad.
- Students have a solid track record of first-author publications in scientific journals.

## OUR FOCUS

The College of Graduate Studies trains students to become biomedical science researchers. Our faculty researchers have diverse expertise with particular strengths in cancer, neuroscience, vision, molecular genetics, genomics, structural biology, infectious disease, behavior disorders, dry design, cardiovascular disease and clinical trials.

*"Transforming students from consumers of knowledge into producers of knowledge."*



## OUTCOMES

The College of Graduate Studies routinely has 100% of its graduates landing a position within one year of graduation.

*"All of us, my colleagues and my mentor, help each other to keep motivated. Everybody knows somebody affected by cancer. That is the reason that I go to lab – to do my part for science and cancer treatment."*

— Anushree Gulvady, PhD  
Cell & Developmental Biology

*"I've always been interested in behavior and emotion since I was a kid, and changing behaviors. This lab is right up my alley. The makeup of the brain is fascinating."*

— Patrick Sweeney, PhD  
Neuroscience

For more program details or to apply, visit:

[www.upstate.edu/grad](http://www.upstate.edu/grad)

# SPECIAL PROGRAMS AND EARLY ADMISSIONS

## COLLEGE OF MEDICINE

### UPSTATE ACCELERATED SCHOLARS

These programs are designed for students who wish to apply to both an undergraduate institution and medical school simultaneously as high school seniors (or as college freshmen for certain programs). If accepted, students who maintain required grades are guaranteed acceptance into SUNY Upstate's College of Medicine upon completion of undergraduate degree. Please visit [www.upstate.edu/uas](http://www.upstate.edu/uas) to view our most updated list of undergraduate partners.

## DOCTOR OF PHYSICAL THERAPY

### 3+3

The 3+3 DPT program allows students to complete both their undergraduate degree and their physical therapy doctoral degree in six years rather than seven. To be guaranteed a place in the 3+3 DPT program, high school seniors must be accepted by both the participating undergraduate college and by SUNY Upstate. Please visit [http://www.upstate.edu/chp/programs/pt/how-to-apply/early\\_3-3\\_chp.php](http://www.upstate.edu/chp/programs/pt/how-to-apply/early_3-3_chp.php) to view our most updated list of partners, the admissions requirements and the application process.

### 4+3

Students accepted into the 4+3 DPT Early Assurance program have guaranteed acceptance into SUNY Upstate's DPT program upon completion of their bachelor's degree provided they have met all conditions outlined in their acceptance letter. High school seniors admitted to the 4+3 DPT program may attend the college of their choice.

## EARLY ASSURANCE FOR COLLEGE SOPHOMORES

The objective of SUNY Upstate Medical University's Physical Therapy Early Assurance Program is to allow exceptional, motivated students at any accredited undergraduate institution to apply and secure their acceptance to our Doctorate of Physical Therapy program as early as their sophomore year at college. The program is designed to free students from the pressures and expense associated with applying to numerous physical therapy schools, allowing them more freedom to pursue unique academic interests and experiences.

## DUAL-ADMISSION RN/BS IN NURSING PROGRAMS

Partnering with local-CNY community colleges, this program will allow students pursuing their Associates Degree in Nursing at a participating community college to directly enroll for their Bachelor's of Science in Nursing at Upstate Medical University, right after obtaining their RN license.

## BACHELOR'S DEGREES

### EARLY ASSURANCE PROGRAM

Through our Early Assurance Program, students can apply to SUNY Upstate's College of Health Professions in their senior year of high school for consideration for admission for their junior and senior years to the following programs:

Medical Biotechnology, BS  
Medical Imaging Sciences/Radiography (X-Ray), BS  
Medical Imaging Sciences/Ultrasound, BS or BPS  
Medical Technology, BS  
Respiratory Therapy, BS  
Radiation Therapy, BS or BPS

Please visit [https://www.upstate.edu/chp/admissions/early\\_2-2\\_chp.php](https://www.upstate.edu/chp/admissions/early_2-2_chp.php) to get details on the application process.





**Medical Imaging Sciences**

**BACHELOR OF SCIENCE**  
Length: 2 years

- X-ray/Radiography
  - Ultrasound BS
- ADMISSION REQUIREMENTS**  
56 credit hours:
- |   |       |
|---|-------|
| Anatomy & Physiology I*                     | 3-4   |
| Anatomy & Physiology II*                    | 3-4   |
| General Physics with lab                    | 3-4   |
| College Algebra or Pre-calculus or Calculus | 3     |
| Psychology                                  | 3     |
| Sociology                                   | 3     |
| English Composition                         | 3     |
| English Elective                            | 3     |
| Liberal Arts Electives                      | 29-32 |

\*with lab (or one semester each of Anatomy and Physiology)  
  
Clinical observation is recommended.  
All science prerequisites must include labs.  
Minimum grade for transfer is a "C."  
Deadline: Rolling Admission

**BACHELOR OF PROFESSIONAL STUDIES**  
Length: 1-2 years

- BPS-CT
  - BPS-MRI
  - Ultrasound BPS
- ADMISSION REQUIREMENTS:**  
An associates or bachelor's degree in radiography, American Registry of Radiologic Technologists (ARRT) certification-eligible in medical imaging (X-ray). CT and MRI applicants must have minimum 72 semester hours, including 46-48 semester hours of radiography coursework. Applicants to the Ultrasound/Sonography program must have a minimum of 56 semester hours, including 40-42 semester hours of radiography. These courses are required:
- |  |     |
|--|-----|
| Anatomy & Physiology I*                    | 3-4 |
| Anatomy & Physiology II*                   | 3-4 |
| College Algebra, Pre-calculus, or Calculus | 3   |
| Psychology                                 | 3   |
| Sociology                                  | 3   |
| English Composition                        | 3   |
| English Elective                           | 3   |
| Liberal Arts Electives                     | 3   |



\* with lab (or one semester each of Anatomy and Physiology)  
Clinical observation is recommended.  
Minimum grade for transfer is a "C."  
**Deadline: Rolling Admission**  
  
Bachelor of Professional Studies (BPS) applicants must be eligible for American Registry of Radiologic Technologists (ARRT) certification in radiography, and have an associates degree or bachelor's degree in radiography.



**Medical Biotechnology  
Medical Technology**

**BACHELOR OF SCIENCE**  
Length: 2 years

- ADMISSION REQUIREMENTS**  
60 credit hours including three of the following four courses:
- |                          |   |
|--------------------------|---|
| General Biology I        | 4 |
| General Biology II       | 4 |
| Anatomy & Physiology I*  | 4 |
| Anatomy & Physiology II* | 4 |
- ALSO:**
- |  |     |
|--|-----|
| Microbiology                               | 4   |
| General Chemistry I                        | 4   |
| General Chemistry II                       | 4   |
| Organic Chemistry**                        | 3-4 |
| College Algebra, Pre-calculus, or Calculus | 3   |
| Statistics                                 | 3   |
| Social Science Elective                    | 3   |
| Psychology                                 | 3   |
| English Composition                        | 3   |
| English Elective                           | 3   |
| Liberal Arts                               | 10  |
| Liberal Arts or Professional electives     | 4   |

\* or Physiology with anatomy content  
\*\* Labs are required for all science courses, with one exception: Organic Chemistry lab is recommended, not required, for a BS in Medical Technology. However, if the lab is not taken and the lecture is 3 semester hours, the applicant will need one additional semester hour of chemistry. The Organic Chemistry Lab is required for a BS in Medical Biotechnology.  
Clinical observation is recommended.  
**Deadline: Rolling Admission**

**EARLY ASSURANCE 2+2  
BACHELOR'S DEGREE PROGRAM**

Students may apply to our bachelor degree programs in their senior year in high school. Students take the college courses required for admission elsewhere, then come to Upstate for highly specialized junior and senior years of college. Full details on the "early assurance" program link: [www.upstate.edu/prospective/basics/early.php](http://www.upstate.edu/prospective/basics/early.php)

**Deadline: March 1**

**Radiation Therapy**

**BACHELOR OF SCIENCE**  
Length: 2 years

- ADMISSION REQUIREMENTS**  
53 semester hours including:
- |   |       |
|---|-------|
| Anatomy & Physiology I with lab*                | 3-4   |
| Anatomy & Physiology II with lab*               | 3-4   |
| General Physics with lab**                      | 4     |
| General Chemistry I                             | 4     |
| College Algebra or Pre-calculus or Calculus *** | 3     |
| English Composition                             | 3     |
| English Elective                                | 3     |
| Psychology                                      | 3     |
| Sociology                                       | 3     |
| Social Science elective                         | 3     |
| Liberal Arts and Science electives****          | 19-22 |
- \* Or one semester of Anatomy with lab and one semester of Physiology with lab  
\*\* Physics can be algebra or calculus based  
\*\*\* Pre-calculus and General Physics II are highly recommended  
Minimum grade for transfer is a "C."  
A course equivalency guide for the College of Health Professions prerequisites is available online.  
**Deadline: Rolling Admission (fall entry)**

**BACHELOR OF PROFESSIONAL STUDIES**  
Length: 2 yrs

- ADMISSIONS REQUIREMENTS**  
Associates or bachelor's degree in radiography, registered medical radiography (X-ray) and a minimum of 53 semester hours including:
- |  |     |
|--|-----|
| Anatomy & Physiology I with lab*               | 3-4 |
| Anatomy & Physiology II with lab*              | 3-4 |
| English Composition                            | 3   |
| College Algebra, Pre-calculus, or Calculus I** | 3   |
| Psychology                                     | 3   |
| Sociology                                      | 3   |
| Liberal Arts Electives                         | 3   |

\* Or one semester of Anatomy with lab and one semester of Physiology with lab  
\*\*Pre-calculus is highly recommended.  
Minimum grade for transfer is a "C."  
A course equivalency guide for the College of Health Professions prerequisites is available online.  
**Deadline: Rolling Admission (fall entry)**

**Respiratory Therapy**

**BACHELOR OF SCIENCE**  
Length: 2 years

- ADMISSION REQUIREMENTS**  
54 semester hours including:
- |  |       |
|--|-------|
| Anatomy & Physiology I with lab  | 3-4   |
| Two of any of the following courses (with labs preferred):<br>Preferred: Anatomy & Physiology II, Microbiology<br>Acceptable: Human Biology, Cell Biology, Physiology, General Biology, General Zoology or any biology course approved by both Admissions and the Department Chair | 6-8   |
| General Chemistry I with lab   | 4     |
| English Composition  | 3     |
| English Elective   | 3     |
| College Algebra, Pre-calculus, or Calculus   | 3     |
| Psychology   | 3     |
| Sociology  | 3     |
| Liberal Arts electives   | 26-29 |

Minimum grade for transfer is a "C."  
A course equivalency guide for the College of Health Professions prerequisites is available online  
**Deadline: Rolling Admission (fall entry)**





**Online Bachelor's in Nursing**

**BACHELOR OF SCIENCE**

Accelerated 16 and 22 month options available

**ADMISSION REQUIREMENTS**

Associate's degree or diploma program in nursing; 60 semester hours† from a basic nursing program including:

Anatomy & Physiology I	3-4
Anatomy & Physiology II	3-4
Microbiology	3-4
English Composition	3
English Elective	3
Psychology	3
Sociology	3
Liberal Arts/Sciences	6
Nursing	30

† There is no time limit to receive credit for courses used to fulfill admissions requirements.

- Grades of "C" or higher and a cumulative GPA of 2.5 or higher. A higher GPA may be necessary to be competitive for admission
- Active unencumbered RN license required for enrollment
- Current CPR certification

**Deadline: Rolling Admission**

**Graduate Nursing Programs**

**BS-DNP (HYBRID)**

(Family NP, Family Psychiatric Mental Health NP, Pediatric NP)

- Bachelor's Degree in Nursing
- Undergraduate GPA of 3.0. A higher GPA may be necessary to be competitive for admission.
- Active and unencumbered NYS RN license
- Current CPR certification
- One year of experience in area for which you are applying to is highly recommended
- Three letters of recommendation

**Deadline: Rolling Admissions**

**POST-MASTER'S ADVANCE CERTIFICATE PROGRAM**

(Family NP, Family Psychiatric Mental Health NP, and Pediatric NP)

The Nurse Practitioner Post Master's certificate program is open to registered nurses with clinical master's degrees who wish to become nurse practitioners and to certified nurse practitioners with master's degrees who wish to become certified in an additional speciality area.

**ADMISSION REQUIREMENTS**

- Clinical Master's degree in Nursing
- Nursing and overall GPA of 3.0
- Active and unencumbered New York State RN license
- Current CPR certification
- Three letters of recommendation

**Deadline: Rolling Admissions**

**ONLINE**

**POST-MASTER'S DOCTOR OF NURSING PRACTICE**

**ADMISSION REQUIREMENTS**

(NP License (Family, Family Psychiatric Mental Health, Pediatrics or Adult/Geriatric Clinical Nurse Specialist (CNS))

- NP License (Family, Family Psychiatric Mental Health, Pediatrics or Adult/Geriatric Clinical Nurse Specialist (CNS))
- Proof of current National Board Certification in your designated specialty
- Active unencumbered RN License from state in which clinical hours will be completed
- Curriculum vitae
- Minimum overall GPA of 3.0 on a 4.0 scale
- Three letters of recommendation, one must be written by a doctorally prepared practitioner
- Video interview with two faculty members from SUNY Upstate College of Nursing
- Personal Statement

**Deadline: Rolling Admissions**

**DUAL-ADMISSION RN/BSN PROGRAMS**

Partnering with Onondaga Community College and Cayuga Community College, this program allows students pursuing an Associates Degree in Nursing to directly enroll for their Bachelor's of Science in Nursing at Upstate, right after obtaining their RN license. They are also guaranteed an interview at Upstate University Hospital.

Many additional agreements exist with community colleges in New York State.

**Clinical Perfusion**

**MASTER OF SCIENCE**

Length: 2 years

**ADMISSION REQUIREMENTS**

Bachelor's degree including:	
Life Sciences*	9
General Chemistry I and II**	8
General Physics I and II**	8
Additional Science Courses***	6
English (writing/composition)	3
College Algebra,	
pre-Calculus or Calculus	3
Recommended - Statistics	3

\*Life Science Courses include: Anatomy, Biochemistry, Cell Biology, Cell Physiology, Developmental Biology, Physiology, Molecular Biology, Microbiology, Zoology, Neuroscience, Biology, Genetics, Pathology, Evolutionary Biology, etc.

\*\* Must include labs. Classes for science majors. Physics can be either algebra- or calculus-based

\*\*\* Recommend additional life science courses and/or biochemistry

- Competitive applicants have an undergraduate GPA of 3.0 or better.
- Shadowing a Perfusionist is strongly recommended.
- Clinical experience is recommended.

**Deadline: February 15**

**Master of Public Health**

**MASTER OF PUBLIC HEALTH**

Length: 2 or more years

**ADMISSION REQUIREMENTS**

Bachelor's degree, three letters of recommendation.

**Deadline: June 1**

**Master's in Medical Technology**

**MASTER OF SCIENCE**

Length: 2 or more years

**ADMISSION REQUIREMENTS**

Bachelor's degree, GRE scores, two letters of recommendation.

**Physician Assistant**

**MASTER OF SCIENCE**

Length: 27 months

**PREREQUISITES:**

General Biology I	4
General Biology II	4
Anatomy & Physiology I	4
Anatomy & Physiology II	4
General Chemistry I	4
General Chemistry II	4
Organic Chemistry or	
Biochemistry	4
Genetics	3
Statistics	3
English Composition	3
English Elective	3
Behavioral or Social Science (2)	6
Medical Terminology	0-3

All science courses except Genetics must include labs.

Note: One biology and one chemistry course must be taken within five years of matriculation in the program.

**ADMISSION REQUIREMENTS**

- Bachelor's Degree: Competitive applicants have an undergraduate GPA of 3.0 or better.
- GRE scores ranked in the 50th percentile or greater recommended.
- Shadowing a PA is recommended.
- 1,000 hours of paid or volunteer patient-related health care experience.

**Deadline: November 1**

**Medical Doctor**

**MEDICAL DOCTOR**

Length: 4 years\*

\*some 3 year programs are available

**ADMISSION REQUIREMENTS**

Bachelor's degree, MCAT scores; volunteer and clinical experience; advisor recommendations.

**PREREQUISITES:**

General Biology	6-8
General Chemistry	6-8
Organic Chemistry	3-4
Biochemistry	3-4
General Physics	6-8
English (Composition/Elec)	6
Statistics	3

All science courses must include labs.

**AMCAS Deadline: October 15**

**Physical Therapy**

**DOCTOR OF PHYSICAL THERAPY PROFESSIONAL**

Length: 3 years

**PREREQUISITES:**

Anatomy & Physiology I*	4
Anatomy & Physiology II*	4
General Biology I	4
General Biology II	4
General Chemistry I	4
General Chemistry II	4
General Physics I	4
General Physics II	4
English (Composition recommended)	3
Statistics	3
Psychology (Child or	
Developmental recommended)	3
Social Science	3

All science courses must include labs.

\* (or one semester each of Anatomy and Physiology)

**ADMISSION REQUIREMENTS**

- Bachelor's Degree: Competitive applicants have an undergraduate GPA of 3.0 or higher.
- GRE scores ranked in the 50th percentile or greater recommended.
- Work or volunteer experience in physical therapy.
- Information about Early Admission requirements for high school seniors and Early Assurance for college sophomores may be found online at [upstate.edu/chp/programs/pt/how-to-apply/index.php](http://upstate.edu/chp/programs/pt/how-to-apply/index.php)

**PTCAS Deadline: December 16**

**Biomedical Research Scientist**

**DOCTOR OF PHILOSOPHY**

Length: 4 or more years

**Deadline: January 15**

**MASTER OF SCIENCE**

Length: 2-3 years

**Deadline: May 1**

**ADMISSION REQUIREMENTS**

Bachelor's degree, preferably in the sciences, before beginning graduate school OR will have completed the following coursework:

- Biology, 1 year
- Mathematics, 1 year
- Chemistry, 1 year
- Physics, 1 year

GRE scores recommended but not required. Three original letters of recommendation from people familiar with your academic record and potential for investigative research are required.







# Upstate Medical University Continues to Grow

Students at Upstate Medical University learn in the most up-to-date environment to prepare them for success in their careers. To achieve this, Upstate has invested in new facilities for biotech research and development, enhanced classrooms, a new Academic Building and modern labs. In addition, Upstate has created spaces, such as the Student Success Center, where students can gather and meet as well as housing for undergraduate and graduate students.



## The Simulation Center

The Upstate Medical University Simulation Center gives our students the chance to learn in close-to-real-life conditions. Simulated environments include patient rooms, an operating room, task training labs and debriefing spaces. With a focus on interprofessional communication, the Simulation Center and staff provide opportunities for learners to work in teams alongside fellow healthcare professionals with a goal of preparing for the future of health care and improving patient outcomes.



## The four colleges of SUNY Upstate

SUNY Upstate Medical University is an upper-division transfer and graduate school. This means students enter our undergraduate programs as college juniors, with either an Associate degree or the equivalent in college credits. Students enter our graduate programs with a minimum of a Bachelor's degree.

Upstate has a robust biomedical research enterprise and a clinical network with dozens of specialty clinics and three hospitals, including a children's hospital, making Upstate the region's only Academic Medical Center.



**SUNY Upstate Medical University includes four colleges:**

- **COLLEGE OF GRADUATE STUDIES** – focused on biomedical science research.
- **COLLEGE OF HEALTH PROFESSIONS** – provides training for those seeking careers as respiratory therapists, radiographers, laboratory technicians, sonographers, physical therapists, radiation therapists, clinical perfusionists, behavior analysts or physician assistants.
- **COLLEGE OF MEDICINE** – instructs aspiring physicians, as well as those pursuing degrees in public health
- **COLLEGE OF NURSING** – grants Bachelor's and Doctorate degrees in nursing

## Application Information

All applicants must apply online. Deadlines vary depending on college, program and your academic level when applying. There are early assurance options for several programs. More information and the application guidelines are on our website:

[www.upstate.edu/students](http://www.upstate.edu/students)

For more information, please contact us at:  
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[www.upstate.edu/students](http://www.upstate.edu/students)



For more information about Upstate or its programs, use this handy QR code to connect to us directly!