

RESPIRATORY THERAPY CONCENTRATION

For transfer to a respiratory therapy program

Respiratory therapists provide aid to people with breathing issues due to disease or injury. Therapists require excellent interpersonal skills and will work closely with patients as well as their families.

Students are admitted to SUNY Upstate Medical University on a fall rotation. Graduates from SUNY Upstate Medical University are eligible for national certification through the National Board for Respiratory Care and to become licensed in New York State.

Courses Credit Hours

A. Liberal Arts Requirements (for a Cayuga degree)

ENGL 270	Technical Writing	3
	Other World Civilizations General Education or The Arts General Education	3
HIST 101-105		3
	Math Elective (MATH 106, 108 or 214)	3
	Natural Science Electives (Any CHEM, BIOL, PHYS, GEOL)	4
	Health Elective	1
	Physical Education Electives	2
	Liberal Arts Electives (Cannot be an ART, MUSI, THA, GIS, ENGR or ELEC designation)	14
	Sub-total	33

B. Core Course Entrance Requirements (SUNY Upstate)

CHEM 103	General Chemistry I	4
ENGL 101	Freshman English I	3
ENGL 102	Freshman English II	3
BIOL 203	Anatomy & Physiology I	4
BIOL 204	Anatomy & Physiology II	4
MATH 104	College Algebra and Trigonometry or higher	3
	<i>Recommended first semester enrolled</i>	3
BIOL 216	General Microbiology	4
PSY 101	Introductory Psychology	3
or		
SOC 101	Introductory Sociology	3
	Sub-Total	28

TOTAL CREDIT HOURS 61

Small Class Sizes

Individualized Instruction

Experienced Faculty

Commitment to Student Success

Start Smart and Save Thousands

1st choice

8 out of 10 graduates said Cayuga was their first choice



Why Cayuga?

Cayuga is **Affordable**: As a SUNY institution, Cayuga is one of the most affordable institutions in the country.

Cayuga's **Flexible Schedule** meets your needs. Degrees and courses are available in Auburn, Fulton, and online, and staggered start dates enable students to take classes that fit their schedule.

Cayuga is **Student Oriented**: Faculty members help students learn by emphasizing active, collaborative student learning techniques.

Cayuga has **Small Classes**: Low average class size ensures individualized attention and an ideal learning environment.

Cayuga has **Great Professors**: Our faculty hold advanced degrees from universities across the country, and bring a wealth of experience from the world to the classroom.

Cayuga **Prepares Students** for what's next. Over 90% of graduates said Cayuga met their educational needs, and 99% would recommend Cayuga to others.

HEALTH SCIENCES AS Concentrations

Chiropractic Medicine

Clinical Perfusion

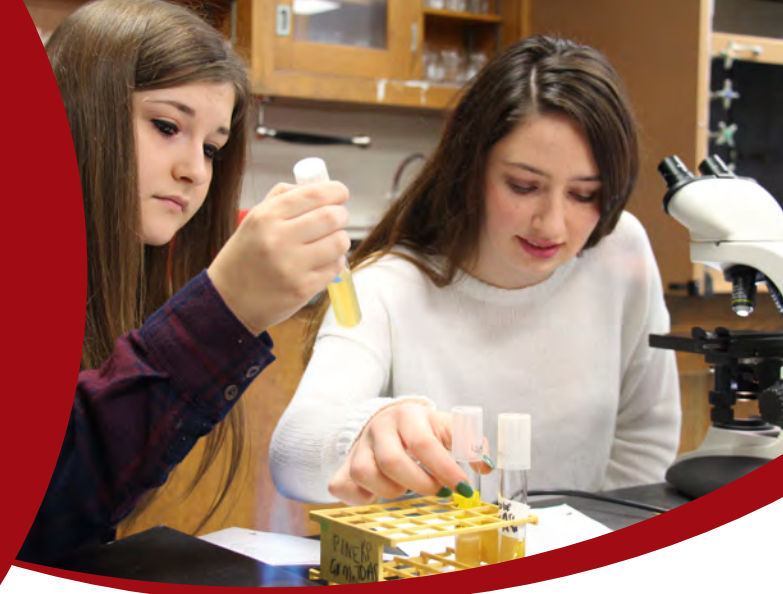
Medical Imaging/Radiography

Medical Technology & Biotechnology

Physical Therapy

Radiation Therapy

Respiratory Therapy



Career Possibilities

- Diagnostic Medical Sonographers
 - Ultrasound Technicians
- Cardiovascular Technologists & Technicians, Including Vascular Technologists
 - Chiropractors
- Radiologic and MRI Technologists
- Physical Therapists, Assistants and Aides
 - Clinical Laboratory Technologists & Technicians
- Radiologic Technologists & Technicians
 - Radiation Therapists
 - Respiratory Therapists

HEALTH SCIENCES AT CAYUGA

Cayuga offers the perfect start for students passionate about the field of medicine. Whether you have a specific goal in mind, or would like to learn more before committing to a particular career path, Cayuga gives you everything you'll need to make an informed decision about your future.

Transfer

Graduates have successfully transferred to:
 SUNY Upstate Medical University
 Northeast College of Health Sciences
 St. John Fisher College
 SUNY Binghamton
 SUNY Buffalo
 SUNY Downstate

Radiologic and MRI Technologists

2021 Median Salary

\$61,980/yr

United States Department of Labor
<https://www.bls.gov/ooh/healthcare/radiologic-technologists.htm>



Contact us for more information

ADMISSIONS OFFICE

admissions@cayuga-cc.edu
 www.cayuga-cc.edu/admissions
 1-866-598-8883

AUBURN CAMPUS

197 Franklin Street
 Auburn NY 13021

FULTON CAMPUS

11 River Glen Drive
 Fulton NY 13069



cayuga-cc.edu



CHIROPRACTIC MEDICINE CONCENTRATION

For transfer to a Chiropractic Medicine Program

Doctors of chiropractic medicine are involved in the diagnosis, treatment and prevention of disorders of the neuromusculoskeletal system and the effects these disorders have on general health. Chiropractors use manual manipulation of joints and soft tissues to improve patient function and overall health. This concentration is designed for transfer to the Northeast College of Health Sciences. Admission to Northeast College of Health Sciences requires a total of 90 credits. The 90 credits must include the Core Course Entrance Requirement credits from the 64 credits listed below. The remaining 26 credits may be obtained at Cayuga or another academic institution. Northeast College of Health Sciences typically will accept the 26 remaining credits from a wide range of courses. The Doctor of Chiropractic degree at Northeast College of Health Sciences requires a minimum of 10 15-week trimesters of full-time resident study, including a clinical internship. Students are admitted to Northeast College of Health Sciences on a Fall rotation.

Courses	Credit Hours
A. Liberal Arts Requirements (for a Cayuga degree)	
ENGL 101	Freshman English I 3
ENGL 102	Freshman English II 3
ENGL 270	Technical Writing 3
	Other World Civilizations General Education or The Arts General Education 3
PSY 101	Introductory Psychology 3
SOC 101	Introductory Sociology 3
HIST 101-105	3
MATH 104	College Algebra and Trigonometry (or Higher) 3
	Math Elective (MATH 106, 108 or 214) 3
	Physical Education Electives (PE 146 recommended) 2
	Health Elective 1
	Liberal Arts Electives 2
Sub-Total	32

B. Core Course Entrance Requirements (NYCC)

Requires a total of 90 credits to enter the program at Northeast College of Health Sciences. The 90 credits must include the following courses. *The other 26 credits may include any courses and may be obtained at Cayuga or another academic institution.*

BIOL 103	General Biology I 4
BIOL 104	General Biology II 4
CHEM 103	General Chemistry I 4
CHEM 104	General Chemistry II 4
CHEM 207	Organic Chemistry I 4
CHEM 208	Organic Chemistry II 4
PHYS 103	General Physics I 4
PHYS 104	General Physics II 4
Sub-total	32
TOTAL CREDIT HOURS	64

CLINICAL PERFUSION CONCENTRATION

For transfer to a Clinical Perfusion Program

Clinical perfusionists work directly with cardiac surgeons to replace lung and heart function during cardiac surgery. They work with sophisticated equipment commonly known as bypass machines. Clinical perfusionists have little to no patient contact. Students are required to have a bachelor's degree in order to apply for the Clinical Perfusion Program at SUNY Upstate.

Students are admitted to SUNY Upstate Medical University on a fall rotation. A maximum of six students are admitted each rotation. Students that graduate from the SUNY Upstate program are eligible to take the American Board of Clinical Perfusion's National Certification Exam. Students are required to have a bachelor's degree to apply for the Clinical Perfusion Program at SUNY Upstate.

Courses	Credit Hours
A. Liberal Arts Requirements (for a Cayuga degree)	
	Math Elective 106, 108 or 214 (Math 214 recommended) 3
ENGL 270	Technical Writing 3
	Other World Civilizations General Education or The Arts General Education 3
SOC 101	Introductory Sociology 3
HIST 101-105	3
	Health Elective 1
	Physical Education Electives 2
	Liberal Arts Electives (Cannot be an ART, MUSI, THA, GIS, ENGR or ELEC designation) 10
Sub-Total	28

B. Core Course Entrance Requirements (SUNY Upstate)

Requires attendance before an interview at a clinical observation of a perfusion procedure or attendance at a perfusion presentation at SUNY Upstate or attendance at a perfusion shadow day, and the following:

Biology electives 8 credits. (BIOL 103/104 recommended)

BIOL 103	General Biology I 4
BIOL 104	General Biology II 4
BIOL 203	Anatomy & Physiology I 4
BIOL 204	Anatomy & Physiology II 4
BIOL 216	General Microbiology 4
BIOL 226	Zoology 4
CHEM 103	General Chemistry I 4
CHEM 104	General Chemistry II 4
ENGL 101	Freshman English I 3
ENGL 102	Freshman English II 3
MATH 104	College Algebra and Trigonometry (or Higher) 3
PHYS 103	General Physics I 4
	or
PHYS 200	Physics I – Mechanics 4
PHYS 104	General Physics II 4
	or
PHYS 201	Physics II – Electricity and Magnetism 4
PSY 101	Introductory Psychology 3
Sub-Total	36

TOTAL CREDIT HOURS 64

MEDICAL IMAGING/RADIOGRAPHY CONCENTRATION

For transfer to a Medical Imaging/Radiography Program

Medical imaging technicians/radiographers help physicians diagnose a disease or injury by producing images that the physician can use as a diagnostic tool. These images include x-rays, computed tomography scans (CTs) and magnetic resonance images (MRIs). Radiographers will have a high level of patient contact and must feel comfortable with the use of computers and high-tech equipment.

Students are admitted to SUNY Upstate Medical University on a fall rotation. Graduates from SUNY Upstate are eligible to be nationally certified through the American Registry of Radiologic Technologists and are qualified for licensure in New York State.

Courses	Credit Hours
A. Liberal Arts Requirement (for a Cayuga degree)	
ENGL 270	Technical Writing 3
	Other World Civilizations General Education or The Arts General Education 3
HIST 101-105	3
	Math Elective (MATH 106, 108 or 214) 3
	Health Elective 1
	Physical Education Electives 2
	Natural Science Electives (Any CHEM, BIOL, PHYS, GEOL) 8
	Liberal Arts Electives (Cannot be an ART, MUSI, THA, GIS, ENGR or ELEC designation) 11
Sub-total	34

B. Core Course Entrance Requirement (SUNY Upstate)

BIOL 203	Anatomy & Physiology I 4
BIOL 204	Anatomy & Physiology II 4
MATH 104	College Algebra and Trigonometry (or Higher) 3
	Recommended 1st semester enrolled
PHYS 103	General Physics I 4
	or
PHYS 200	Physics I – Mechanics 4
	or
PHYS 104	General Physics II 4
	or
PHYS 201	Physics II – Electricity and Magnetism 4
	Recommended first semester enrolled
PSY 101	Introductory Psychology 3
SOC 101	Introductory Sociology 3
ENGL 101	Freshman English I 3
ENGL 102	Freshman English II 3
Sub-total	27

TOTAL CREDIT HOURS 61

MEDICAL TECHNOLOGY AND MEDICAL BIOTECHNOLOGY CONCENTRATION

For transfer to a Medical Technology and Medical Biotechnology Program

Medical technologists perform lab tests used to diagnose and treat disease in a clinical setting while the medical biotechnologist works in a research setting, providing valuable data for scientific studies. med techs and biotech will have minimal to no patient contact.

Students admitted to SUNY Upstate University in either program begin on a fall rotation. Graduates from SUNY Upstate are eligible to take one of several national licensing exams.

Courses	Credit Hours
A. Liberal Arts Requirements (for Cayuga degree)	
ENGL 270	Technical Writing 3
	Health Elective 1
	Physical Education Electives 1
	Other World Civilizations General Education or The Arts General Education 3
HIST 101-105	3
	Liberal Arts Electives (Cannot be an ART, MUSI, THA, GIS, ENGR or ELEC designation) 3
Sub-total	14

B. Core Course Entrance Requirement (SUNY Upstate)

BIOL 103	General Biology I 4
BIOL 203	Anatomy & Physiology I 4
BIOL 104	General Biology II 4
	or
BIOL 204	Anatomy & Physiology II 4
BIOL 216	General Microbiology 4
CHEM 103	General Chemistry I 4
CHEM 104	General Chemistry II 4
CHEM 207	Organic Chemistry I 4
MATH 104	College Algebra and Trigonometry (or higher) 3
MATH 214	Statistics 3
PSY 101	Introductory Psychology 3
SOC 101	Introductory Sociology 3
ENGL 101	Freshman English I 3
ENGL 102	Freshman English II 3
Sub-Total	46

TOTAL CREDIT HOURS 60

PHYSICAL THERAPY CONCENTRATION

For transfer to a Physical Therapy Program

Physical therapists work with multiple body systems to evaluate patients and determine overall function. They then plan programs that improve functionality by improving conditions such as strength, balance, coordination and range of motion. Therapists require excellent interpersonal skills and work directly with patients.

Students are admitted to SUNY Upstate beginning in a summer rotation, and the program will take three years to complete. Entry into SUNY Upstate University requires a bachelor's degree (typically two years beyond the associate degree). Admission to SUNY Upstate is dependent upon the bachelor degree transfer institutional requirements, GRE scores, and work or volunteer experience in physical therapy. College sophomores accepted into the Early Assurance Program at SUNY

Upstate are not required to take GREs. Graduates from the SUNY Upstate program are eligible to take the National Licensing Exam for Physical Therapy.

Courses	Credit Hours
A. Liberal Arts Requirements (for a Cayuga degree)	
ENGL 102	Freshman English II 3
ENGL 270	Technical Writing 3
PSY 101	Introductory Psychology 3
	Other World Civilizations General Education or The Arts General Education 3
HIST 101-105	3
MATH 104	College Algebra and Trigonometry (or Higher) 3
	Health Elective 1
	Physical Education Electives 1
Sub-Total	20

B. Core Course Entrance Requirements (SUNY Upstate)

Requires bachelor's degree – admission dependent upon the bachelor degree transfer institutional requirements, GRE scores – typically taken your junior year at Upstate, work or volunteer experience in Physical Therapy, and must include the following credits:

BIOL 203	Anatomy & Physiology I 4
BIOL 204	Anatomy & Physiology II 4
BIOL 103	General Biology I 4
BIOL 104	General Biology II 4
CHEM 103	General Chemistry I 4
CHEM 104	General Chemistry II 4
PHYS 103	General Physics I 4
	and
PHYS 104	General Physics II 4
	or
PHYS 200	Physics I – Mechanics 4
	and
PHYS 201	Physics II – Electricity and Magnetism 8
ENGL 101	Freshman English I 3
MATH 214	Statistics 3
PSY 212	Developmental Psychology or 3
PSY 215	Child Psychology 3
SOC 101	Introductory Sociology 3
Sub-Total	44

RADIATION THERAPY CONCENTRATION

For transfer to a Radiation Therapy Program

Radiation therapists work with oncologists to deliver radiation to tumor sites without damaging the surrounding tissue. Therapists work very closely with patients and require excellent interpersonal skills. In addition, they must feel confident using computers and highly sophisticated equipment.

Students are admitted to SUNY Upstate Medical University on a fall rotation. Students are required to complete clinical rotations in at least three different radiation departments in two different locations. Clinical rotations are offered in over 30 locations throughout the area. Graduates from SUNY Upstate are eligible for national certification through the American Registry of Radiologic Technologists.

Courses	Credit Hours
A. Liberal Arts Requirements (for a Cayuga degree)	
	Math Elective (MATH 106, 108 or 214) 3
ENGL 270	Technical Writing 3
	Other World Civilizations General Education or The Arts General Education 3
HIST 101-105	3
	Natural Science Electives (Any CHEM, BIOL, PHYS, GEOL) 4
	Health Elective 1
	Physical Education Electives 2
	Liberal Arts Electives (Cannot be an ART, MUSI, THA, GIS, ENGR or ELEC designation) 11
Sub-total	30

B. Core Course Entrance Requirements (SUNY Upstate)

BIOL 203	Anatomy & Physiology I 4
BIOL 204	Anatomy & Physiology II 4
CHEM 103	General Chemistry I 4
ENGL 101	Freshman English I 3
ENGL 102	Freshman English II 3
PHYS 103	General Physics I 4
	or
PHYS 200	Physics I – Mechanics 4
	or
PHYS 104	General Physics II 4
	or
PHYS 201	Physics II – Electricity and Magnetism 4
	Recommended first semester enrolled
MATH 104	College Algebra and Trigonometry (or higher) 3
	Recommended first semester enrolled
PSY 101	Introductory Psychology 3
SOC 101	Introductory Sociology 3
	Behavioral or Social Science Elective (Cannot be a GIS, GEOG or ASL designation) 3
Sub-total	34

TOTAL CREDIT HOURS 64