Careers in Health Care

Career Descriptions • Employment and Salary Information • Academic Requirements • Professional Organizations • New York State Educational Institutions • Financial Aid Information and more…
Careers in Health Care

NEW YORK STATE AREA HEALTH EDUCATION CENTER SYSTEM

The mission of the New York State AHEC System is to enhance the quality of and access to health care, improve health care outcomes and address the health workforce needs of medically underserved communities and populations by establishing partnerships between the institutions that train health professionals and the communities that need them the most.

Compiled and edited by
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New York State Area Health Education Center System

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www.ahec.buffalo.edu
Table of Contents

**WHY A HEALTH CAREER?** ............................................. 2

**HOW TO USE THIS GUIDE** ........................................ 3

**CLINICAL LABORATORY SERVICES**
- Cytotechnologist .................................................. 5
- Histologic Technician/ Histotechnologist .................. 5
- Medical Laboratory Technician ................................. 6
- Medical Technologist ............................................. 6
- Phlebotomist ....................................................... 7
- Specialist in Blood Banking Technologist .................. 7

**DENTAL**
- Dental Assistant ................................................. 10
- Dental Laboratory Technician ................................ 10
- Dental Hygienist .................................................. 11
- Dentist ............................................................... 11

**DIAGNOSTIC INSTRUMENTATION AND SERVICES**
- Cardiovascular Technologist/Technician .................. 14
- Electroneurodiagnostic Technologist ....................... 14
- Perfusionist ........................................................ 15

**DIETETICS AND NUTRITION**
- Registered Dietetic Technician ................................ 18
- Registered Dietitian .............................................. 18

**HEALTH ADMINISTRATION AND INFORMATION**
- Biophotographer ................................................... 21
- Health Care Public Relations ................................ 21
- Health Information Administrator ......................... 22
- Health Information Technician ................................ 22
- Health Services Administrator ................................. 23
- Medical Assistant ................................................ 23
- Medical Coding Specialist ....................................... 24
- Medical Illustrator ............................................... 24
- Medical Librarian ................................................ 25
- Medical Secretary ................................................ 25
- Medical Transcriptionist ........................................ 26

**IMAGING TECHNOLOGY**
- Diagnostic Medical Sonographer .......................... 29
- Dosimetrist ......................................................... 29
- Nuclear Medicine Technologist ............................... 30
- Radiation Therapist .............................................. 30
- Radiologic Technologist ......................................... 31

**MEDICINE**
- Chiropractor ......................................................... 34
- Emergency Medical Technician/ Paramedic ............... 35
- Physician Assistant ............................................. 35
- Physician ............................................................ 36
- Podiatrist ............................................................ 37
- Surgical Technologist ............................................ 37

**MENTAL AND SOCIAL HEALTH**
- Genetic Counselor ................................................. 40
- Human Service Worker .......................................... 40
- Psychiatric Mental Health Technician/Aide ............... 41
- Psychologist ......................................................... 41
- Social Worker ....................................................... 42

**NURSING**
- Clinical Nurse Specialist ....................................... 45
- Home Health Aide ............................................... 45
- Licensed Practical Nurse ...................................... 46
- Nurse Anesthetist ............................................... 46
- Nurse Midwife ..................................................... 47
- Nurse Practitioner .............................................. 47
- Nursing Assistant/Aide ......................................... 48
- Registered Nurse ................................................ 48

**PHARMACY**
- Pharmaceutical Scientist ....................................... 52
- Pharmacy Technician ........................................... 52
- Pharmacist .......................................................... 53

**PUBLIC HEALTH**
- Biostatistician .................................................... 56
- Environmental Health Specialist .......................... 56
- Epidemiologist .................................................... 57
- Health Educator ................................................... 57

**SCIENCE AND ENGINEERING**
- Biomedical Engineer ............................................. 60
- Biomedical Equipment Technician .......................... 61
- Food Scientist ...................................................... 61
- Health Scientist ................................................... 62
- Occupational Safety Specialist ............................... 62

**THERAPY**
- Athletic Trainer ................................................... 65
- Audiologist .......................................................... 65
- Occupational Therapist ......................................... 66
- Occupational Therapy Assistant ............................. 66
- Physical Therapist ............................................... 67
- Physical Therapist Assistant .................................. 67
- Recreational Therapist .......................................... 68
- Respiratory Therapist ............................................ 69
- Speech/Language Pathologist .................................. 69

**VISION**
- Ophthalmic Assistant/Technician/Technologist ......... 72
- Optician ............................................................... 72
- Optometrist ........................................................ 72

**APPENDIX**
- A. New York State Educational Institutions .............. 75
- B. Professional Organizations ................................ 86
- C. Information about the New York State Area ......... 94
- Health Education Center System ............................ 94
- D. High School Timetable ......................................... 96
- E. Financial Aid ..................................................... 98

**INDEX** ............................................................... 100

**ACKNOWLEDGEMENTS**
Why a Health Career?

“Join a health care team and become a good friend to your neighbors. It is a privilege to get to know people who want your help, guidance and advice. As a health care provider, you watch patients deal with the challenges of change, growth and recovery. They borrow on your strength, while building on their own.”

Thomas C. Rosenthal, MD


“Dentistry allows me to build relationships with people in my community over many years. Not only can I help them when they are not feeling well, but I can make them feel better about themselves by improving the way they look.”

Eric Schimpfhauser, DDS

“I decided to become a physical therapist because I always marveled with the way the human body moves. I have been able to work with children and adults on regaining their functional movement, from being able to get out of a chair by themselves to going back to playing golf after an amputation of a lower limb. The opportunities are exciting and endless. I have worked in hospitals, schools, sports and rehab centers and now teach physical therapy students.”

Karen J. Panzarella, PT, PhD, ACCE

“Nursing is a demanding career, yet exciting, caring, humanistic, and versatile. Your community needs your care. Be a nurse!”

Carol Brewer, PhD, RN

“The current field of social work is very dynamic and provides future social work professionals with a broad base of opportunities depending on an individual’s interests. A career in social work can not only teach you the knowledge and skills needed to practice in a multicultural and diverse society, but also provides the strategies of change that can advance social and economic justice. With a career in social work, there’s no limit to what you can do!”

Christine M Wagner, MSW

“Medical Dosimetry is an extremely rewarding and interesting career. As a medical dosimetrist, one has the opportunity to function as an integral member of a team of professionals dedicated to providing the best possible care for persons diagnosed with cancer.”

Juan Peña, MS, MBA, RT(T), CMD

“Why become a blood banking specialist? You work with cutting-edge scientists, physicians, and transfusion medicine specialists in providing a safe blood supply for the patient community, and promote patient safety on both a national and international level.”

Candice Tretter, MBA, MT, SBB
How to Use this Guide

The New York State Area Health Education Center (AHEC) System Careers in Health Care guide was developed as a resource manual to provide students with a comprehensive overview of health occupations, along with a listing of the educational institutions in New York State and national professional organizations for each career. It provides students with detailed information about choices for a career in health care.

Careers in Health Care consists of information on 76 health career occupations followed by an appendix with information on:

- Educational Institutions in New York State
- Professional Organizations
- Financial Aid
- High School Timetable

Each occupation follows the same format:

JOB DESCRIPTION
This section describes each job and duties.

AREAS OF SPECIALIZATION (if applicable)
Many occupations have areas of specialization, which may require additional education.

WORK ENVIRONMENT
This section provides information about the types of environment in which the health professionals work, i.e., practice settings and hours.

ANNUAL WAGES
This section provides national and New York State wage data.

SOURCES

ACADEMIC REQUIREMENTS
This section specifies requirements for the occupations after high school graduation. Additional information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business.ny/employer_responsibilities/olcny/menu.htm.

PROFESSIONAL ORGANIZATIONS
Students can get more detailed information by contacting any of these organizations. Contact information for the professional organizations is located in Appendix B.

EDUCATIONAL INSTITUTIONS
New York State schools with programs for the occupation are listed at the end of each section. The contact information for the institutions is located in Appendix A. Information on additional schools and programs in New York State and other states can be obtained by contacting the professional organizations listed in Appendix B, or contacting the local AHEC on page 94.


How to Obtain Additional Information

For more information about health careers, contact the local AHEC, a career counselor at a high school or college, or the health career counselor at a local technical college. The following web sites also provide information.

Center for Health Workforce Studies, New York Health Careers — www.healthcareersinfo.net
New York State Area Health Education Center System — www.ahec.buffalo.edu
New York State Department of Labor, Career Zone® — www.nycareerzone.org
Today’s Military — www.todaysmilitary.com
Clinical Laboratory Services

Cytotechnologist, Histologic Technician/Histotechnologist, Medical Laboratory Technician, Medical Technologist, Phlebotomist, Specialist in Blood Banking Technologist
Cytotechnologist

**JOB DESCRIPTION**
Cytotechnology is the study of cells, the basic units of living tissue. Cytotechnologists are specially trained laboratory technologists who study the structure of cells in the human body. Prepared slides of cell samples are examined under microscope and the cytotechnologist must be able to recognize abnormalities in the color, size, shape, make-up, and patterns of the cells. Cytotechnologists identify a disease at a treatable stage and thus directly aid in extending a patient’s life. Cytotechnologists usually work independently to evaluate and report on normal cells, or work with a pathologist to study cancerous or other abnormal cells.

**WORK ENVIRONMENT**
Cytotechnologists may practice in various settings, usually working closely with pathologists. Hospitals and private laboratories provide excellent opportunities, as do public health facilities, clinics, medical schools, federal institutions, research, and industry facilities. Full-time and part-time positions are available, and hours may be standard or flexible in both hospital and private laboratories.

**ANNUAL WAGES**
Starting Salary .................. $41,454
Overall Average .................. $49,920


**ACADEMIC REQUIREMENTS**
Training programs in cytotechnology exist at the baccalaureate, post-baccalaureate certificate, and master’s levels. Usually, individuals are accepted into an accredited hospital or university-based program after their junior year of college or enroll after graduation from college. Training lasts for one year for a bachelor’s degree and two years for a master’s degree. Completion of the one-year program confers eligibility to take the national certification exam offered by the American Society of Clinical Pathologists.

**PROFESSIONAL ORGANIZATIONS**
American Society for Cytotechnology
American Society of Cytopathology

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Clinical Laboratory Services see page 8.

Histotechnician/Histotechnologist

**JOB DESCRIPTION**
Histotechnicians and histotechnologists are clinical laboratory workers who prepare very thin slices of human, animal or plant tissue for microscopic examination by pathologists (medical/veterinary doctors specializing in tissue disease). Histotechnicians perform such tasks as sectioning and staining tissues, embedding tissues in paraffin or plastic, preparing frozen sections of tissues directly from the operating room, and operating intricate equipment including microscopes and microtomes (an instrument for cutting tissue sections). Histotechnologists perform all of the tasks of a technician and more complex procedures as well. They may do analyses of sample histochemistry, explore immunological links to disease, prepare samples for electron microscopy, or supervise and teach others. Both careers are vital to the early detection of disease and illness.

**WORK ENVIRONMENT**
Histotechnicians and histotechnologists primarily work in hospitals and independent laboratories as well as in clinics, public health facilities, forensic medicine facilities, veterinary pathology, marine biology and in industrial research. Government agencies, pharmaceutical companies, and universities may also hire histology personnel. The majority of technicians and technologists work full-time; a 40-hour workweek may include shifts at night, on weekends, and during holidays.

**ANNUAL WAGES**
Histologic Technician .......... $29,619 .......... $35,152
Histotechnologist ................. $43,638 .......... $46,155


**ACADEMIC REQUIREMENTS**
A certified histotechnologist must have a bachelor’s degree combined with successful completion of a program accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) or combined with one year full-time acceptable experience in a histopathology laboratory. A certified histotechnologist must have an associate’s degree combined with one year full-time acceptable experience in a histopathology laboratory or successful completion of a program accredited by NAACLS (generally a 12-month program). Exams given by the American Society for Clinical Pathology provide certification.

**PROFESSIONAL ORGANIZATIONS**
National Society for Histotechnology

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Clinical Laboratory Services see page 8.
Medical Laboratory Technician, Medical Technologist

Medical Laboratory Technician

**JOB DESCRIPTION**
Medical laboratory technicians are clinical laboratory personnel who perform a variety of tests under the supervision of a medical technologist. They aid in the detection, diagnosis, and treatment of disease and accomplish this through specific tasks, including inoculating culture media, performing microscopic evaluations, and operating high-tech equipment. Medical laboratory technicians perform routine tests in the areas of blood banking, chemistry, hematology, immunology, microbiology, and urinalysis.

**WORK ENVIRONMENT**
Medical laboratory technicians work in hospitals, physicians' offices, clinics, research facilities, federal agencies, health maintenance organizations (HMOs) and pharmaceutical companies. Because medical laboratory technicians have general knowledge of a wide range of science fields, they are used in a variety of settings. A 40-hour workweek is common, and the hours may be distributed over evening shifts or weekends.

**ANNUAL WAGES**
National ...................................... $29,619
New York State ......................... $35,152


**ACADEMIC REQUIREMENTS**
Medical or clinical laboratory technicians must have an associate's degree from an accredited community college, including clinical education. In addition, they must pass an exam given by one of three agencies; the Board of Registry of Medical Technologist of the American Society of Clinical Pathologists, the National Certification Agency for Medical Laboratory Personnel, or by the American Medical Technologists.

**PROFESSIONAL ORGANIZATIONS**
American Society for Clinical Laboratory Science
American Society of Clinical Pathology
For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Clinical Laboratory Services see page 8.

Medical Technologist

**JOB DESCRIPTION**
Medical technologists work in medical laboratories and perform analyses on blood, tissue samples, and body fluids. They use complex electronic equipment, computers, chemicals and precision instruments to detect and diagnose diseases. Medical technologists, working with precision and caution, are responsible for identifying irregularities or abnormalities in body specimens. They report laboratory findings to the pathologist (a physician who specializes in the cause and nature of diseases), other physicians, or scientists who specialize in clinical chemistry, microbiology, and other biological sciences.

**AREAS OF SPECIALIZATION**
- **Bacteriology** – study of bacteria as it relates to the field of medicine.
- **Blood Bank/Serology** – study of blood serums and related diseases or organisms.
- **Chemistry** – study of atomic and molecular systems.
- **Hematology** – study of blood and blood producing organs of the body.
- **Immunology** – study of the human immune system and its reaction to foreign bodies.
- **Microbiology** – study of bacteria and other microorganisms.

**WORK ENVIRONMENT**
The majority of medical technologists are employed by hospitals, although opportunities also exist in independent laboratories, physicians' offices, clinics, research laboratories, or federal agencies. Working conditions and hours depend upon the work setting, although most medical technologists are full-time employees. Some technologists may work shifts during weekends, evenings, or holidays, and some may be on call to attend to emergency situations.

**ANNUAL WAGES**
National ...................................... $43,638
New York State ......................... $46,155


**ACADEMIC REQUIREMENTS**
An individual can become a medical technologist with an associate's degree plus three years of experience within the field. A master's degree is also available in medical technology for medical technologists interested in teaching or administrative positions. The American Association of Bioanalysts also certifies medical technologists in one or more of the seven following fields: Andrology, Chemistry, Embryology, Hematology, Immunology, Immunohematology, and Microbiology.

**PROFESSIONAL ORGANIZATIONS**
American Medical Technologists
American Society for Clinical Laboratory Science
American Society of Clinical Pathology
American Society of Hematology
National Accrediting Agency for Clinical Laboratory Sciences
American Society for Clinical Laboratory Science
National Credentialing Agency for Medical Laboratory Personnel, Inc.

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Clinical Laboratory Services see page 8.
Phlebotomist

**JOB DESCRIPTION**
Phlebotomists are trained to draw blood from patients or blood donors for medical tests and blood donations. They assemble equipment such as needles, disposable containers for needles, tourniquets, and other items needed for drawing blood.

**WORK ENVIRONMENT**
Phlebotomists may be employed in hospital laboratories, blood banks, blood donation centers, doctors’ offices, clinics, and nursing homes. In hospitals, phlebotomists may be needed around the clock, while other settings may be more conducive to typical business hours. Full-time as well as part-time employment is possible.

**ANNUAL WAGES**
- National .......................... $21,944
  2002 Wage and Vacancy Study. The American Society for Clinical Pathology Board of Registry.

**ACADEMIC REQUIREMENTS**
- A high school diploma or equivalent is required.
- Interested individuals should also be enrolled in an approved phlebotomy program, a formal structured training program, or have one year of experience in a laboratory setting. There are one-year programs that award diplomas as well as two-year programs at community colleges that offer associate degrees.
- American Medical Technologists conducts the certification examination and awards the Registered Phlebotomy Technician title.

**PROFESSIONAL ORGANIZATIONS**
- American Society for Clinical Laboratory Science
- American Society of Clinical Pathology
  For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
- For a listing of educational programs in New York State for Clinical Laboratory Services see page 8.

Specialist in Blood Banking Technologist

**JOB DESCRIPTION**
Technologists certified as specialists in blood banking (SBBs) are medical technologists with advanced education and training in all aspects of blood banking and transfusion medicine. SBBs are formally trained in quality systems, federal regulations, genetics, immunology, blood group systems, donor recruitment, blood collection, blood component preparation, infectious disease testing, blood transfusions and adverse effects of blood transfusions, special laboratory techniques, education and training plans, laboratory management, and computer systems.

**WORK ENVIRONMENT**
Specialists in blood banking are qualified to work as regulatory/quality assurance experts, technical/quality consultants, laboratory inspectors, laboratory supervisors/managers, education coordinators, and researchers in transfusion medicine. Hospitals and blood centers employ the majority of SBBs. Other opportunities exist in reference and biotechnology laboratories, blood bank manufacturing companies, and government agencies. The number of hours worked and shifts available depend upon the place of employment. SBBs employed by hospitals and blood centers may be required to take call. Full- and part-time positions are available.

**ANNUAL WAGES**
- National .......................... $52,354
- New York State .................. $47,840

**ACADEMIC REQUIREMENTS**
The traditional route for becoming a specialist in blood banking is obtaining a bachelor’s degree from a regionally accredited college or university in biological science, chemistry, and mathematics, and successful completion of a Commission on Accreditation of Allied Health Education Programs accredited Specialist in Blood Bank Technology program. The majority of Specialist in Blood Bank Technology programs are 12 months, however, some programs are two years and include a master’s degree upon successful completion of the second year. Upon completion of the program, individuals are eligible to take the specialist certification exam given by the American Society of Clinical Pathologists Board of Registry.

**PROFESSIONAL ORGANIZATIONS**
- American Association of Blood Banks
- American Medical Technologists
- Clinical Laboratory Management
- International Society of Cellular Therapy
  For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
- For a listing of educational programs in New York State for Clinical Laboratory Services see page 8.
# New York State Educational Institutions

<table>
<thead>
<tr>
<th>Institution</th>
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<tbody>
<tr>
<td>Broome Community College</td>
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<tr>
<td>Clinton Community College</td>
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<tr>
<td>City University of New York Bronx Community College</td>
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<tr>
<td>City University of New York College of Staten Island</td>
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<td>City University of New York Hostos Community College</td>
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<td>City University of New York New York City Technical College</td>
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<tr>
<td>City University of New York Queensborough Community College</td>
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<tr>
<td>Dutchess Community College</td>
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<tr>
<td>Erie Community College – North Campus</td>
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<tr>
<td>Hudson Valley Community College</td>
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<tr>
<td>Nassau Community College</td>
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<tr>
<td>Orange County Community College</td>
</tr>
<tr>
<td>St. Francis College</td>
</tr>
<tr>
<td>Samaritan Medical Center Medical Laboratory Technology Program</td>
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<tr>
<td>State University of New York at Stony Brook</td>
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<tr>
<td>State University of New York College at Brockport</td>
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<tr>
<td>State University of New York College of Agriculture and Technology at Cobleskill</td>
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<td>State University of New York College of Agriculture and Technology at Morrisville</td>
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<td>State University of New York College of Technology at Alfred</td>
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<td>State University of New York College of Technology at Canton</td>
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<td>State University of New York College of Technology at Farmingdale</td>
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<tr>
<td>State University of New York Health Science Center at Syracuse</td>
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<tr>
<td>State University of New York Westchester Community College</td>
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</tbody>
</table>

Dental Assistant, Dental Laboratory Technician, Dental Hygienist, Dentist
Dental Assistant

JOB DESCRIPTION
Dental assistants perform a wide range of tasks that may be interpersonal, technical, and administrative. They expose and develop X-rays, coordinate and implement infection control protocols, take diagnostic impressions, maintain inventory control, perform numerous office management tasks, and assist the dentist with equipment at chair side. Dental assistants often interact with patients and may provide preventive dental instruction and tend to the patient's comfort.

AREAS OF SPECIALIZATION
Chair Side Assistant — works directly with the dentist in the treatment area.
Receptionist/Office Assistant — performs duties associated with the business and front desk operation of the dental office.

WORK ENVIRONMENT
Dentists employ the majority of dental assistants in private or group dental practices. Other work locations include dental schools, public health clinics, civil and military services, hospitals, and insurance companies. Dental assistants work on a team with dental hygienists and dentists and often work close to 40 hours a week.

ANNUAL WAGES
National .................................. $30,576

ACADEMIC REQUIREMENTS
Formal programs are offered at technical colleges. It is highly recommended that individuals check with the school for specific admission requirements. Programs vary in length from three to nine months. Individuals receive either a certificate or diploma upon completion of the program. Individuals who complete a dental assistant program accredited by the Commission on Dental Accreditation are eligible to take the Dental Assisting National Board’s (DANB) examination and become a Certified Dental Assistant. Individuals are also eligible to take the DANB exam if they have two years of full-time work experience as a dental assistant. To become a licensed dental assistant in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/businessNy/employer_responsibilities/olcny/menu.htm.

PROFESSIONAL ORGANIZATIONS
American Dental Assistants Association
American Dental Association
American Dental Hygienists’ Association
Dental Assisting National Board
National Dental Association
New York State Dental Association
For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Dental see page 12.

Dental Laboratory Technician

JOB DESCRIPTION
Dental laboratory technicians, also known as dental technicians, fill dentist prescriptions, which can include making models and casts of teeth to construct replicas of teeth in the form of dentures, bridgework, or other dental prosthetics.

AREAS OF SPECIALIZATION
Dental Ceramist — applies porcelain and acrylic paste to form crowns, bridges, and other dental prosthetics.
Denture Contour Wire Specialist — makes and repairs braces and retainers.
Denture Finisher — polishes, cleans, and adjusts dentures and other dental work.
Denture Model Maker — forms various molds from dental impressions and models.

Denture Waxer — forms contour molds for casting of dentures and bridgework.
Voluntary certification is available in crowns and bridges, ceramics, complete dentures, partial dentures, and orthodontics.

WORK ENVIRONMENT
Most dental laboratory technicians work in commercial dental laboratories, which tend to have few employees and are privately owned and operated. Other employment opportunities may be in larger laboratories, hospitals, dentists’ offices, and in self-employment. Technicians can expect to work at least 40 hours a week, while the self-employed may put in more hours.

ANNUAL WAGES
National .................................. $29,328
New York State .......................... $33,779
Dental Hygienist

**JOB DESCRIPTION**
Registered dental hygienists are licensed professionals who provide a variety of oral health services. They scale and polish teeth; apply cavity-preventive agents such as fluoride and sealant; expose, process, and interpret X-rays; monitor patients’ medical and oral health; examine teeth and oral cavities; place temporary fillings and periodontal dressings; remove sutures; polish metal restorations; teach proper brushing and flossing techniques; and design and implement community or school oral health programs. In some states, including New York State, registered dental hygienists administer local anesthetics and perform other periodontal procedures after acquiring additional education. Additional duties may include placing and carving filling materials.

**WORK ENVIRONMENT**
Hygienists commonly work in private dental offices, although there are employment opportunities in public health, schools, clinics, and hospitals. An attractive feature of this career is its adaptability to any lifestyle. Some dental hygienists work weekend and evening hours, if days are inconvenient. Working part-time in more than one office is also not uncommon.

**ANNUAL WAGES**
- National: $56,368
- New York State: $56,990

**ACADEMIC REQUIREMENTS**
An associate’s degree is sufficient for practice in a private dental office. A bachelor’s or master’s degree usually is required for research, teaching, or clinical practice in public or school health programs. Some dental hygiene programs prefer applicants who have completed at least one year of college. However, requirements vary from one school to another. Dental hygienists must be licensed by the state in which they practice. To become a licensed dental hygienist in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: [www.labor.state.ny.us/business_ny/employer_responsibilities/olcn/index.htm](http://www.labor.state.ny.us/business_ny/employer_responsibilities/olcn/index.htm).

**PROFESSIONAL ORGANIZATIONS**
- American Association of Dental Examiners
- American Dental Association
- American Dental Hygienists’ Association
- Dental Hygienists’ Association of the State of New York
- New York State Dental Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Dental see page 12.

Dentist

**JOB DESCRIPTION**
Dentists diagnose, prevent, and treat problems of the teeth, gums and tissues of the mouth. They examine patients to determine conditions and diseases using X-rays and a variety of dental instruments. They clean, fill, extract and replace teeth; provide preventive dental services such as instruction on proper diet, brushing and flossing; place protective plastic sealants on teeth and straighten teeth; and perform corrective surgery of the gums and supportive bones to treat gum diseases. New technologies such as digital radiography and laser systems are involved in dentistry today. Dentists also teach future dentists and dental hygienists and perform research directed to improve oral health and develop new treatment methods.

**AREAS OF SPECIALIZATION**
- **Endodontics** – treat inner tooth structures and perform root canals.
- **Oral and Maxillofacial Pathology** – perform tests to diagnose and study oral diseases.
- **Oral and Maxillofacial Radiology** – produce and interpret images and data using various types of radiant energy to diagnose and treat disease and conditions of the mouth and jaw.
- **Oral and Maxillofacial Surgery** – perform surgery on the mouth and jaw.
- **Orthodontics** – treat abnormalities in teeth, jaws, and structure of the mouth by prescribing and fitting braces, retainers and other appliances.
- **Pediatric Dentistry** – provide dental care for infants, children, and adolescents.
- **Periodontics** – prevent, diagnose and treat diseases supporting tissues of the teeth.
- **Prosthodontics** – restore and replace missing teeth.
- **Public Health Dentistry** – assess dental needs of the community and direct the dental health programs of public agencies.

**WORK ENVIRONMENT**
Most dentists are in private practice and usually work with a dental hygienist, dental assistant, or nurse. Dentists also may be a part of a dental or medical group, or they may work in a hospital, public health department, or the military. Dentists usually work four or five days a week during regular business hours, and a few work evenings and weekends to accommodate patients. Most dentists become general practitioners, handling a variety of dental needs. However some dentists obtain additional training in one of the listed specialties.

**ANNUAL WAGES**
- National: $173,140
- General Dentist: $173,140


**ACADEMIC REQUIREMENTS**
A college undergraduate degree is recommended in preparation for dental school. Students wishing to enter dental school must take the Dental Admissions Test (DAT). Their Grade Point Average (GPA) as well as the results from the DAT, information from letters of evaluation and other information will be considered. Dental school lasts three to four years. Upon completion of an accredited dental school, students receive the degree Doctor of Dental Surgery (DDS) or Doctor of Dental Medicine (DMD). Specialization may require two to four more additional years of study and additional exams, depending on the state of practice, and specialization choice. To become a licensed dentist in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: [www.labor.state.ny.us/business_ny/employer_responsibilities/olcn/index.htm](http://www.labor.state.ny.us/business_ny/employer_responsibilities/olcn/index.htm).

**PROFESSIONAL ORGANIZATIONS**
- American Association of Dental Examiners
- American Dental Association
- American Dental Education Association
- New York State Dental Association
- Northeast Regional Board of Dental Examiners

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Dental see page 12.
NEW YORK STATE EDUCATIONAL INSTITUTIONS WITH PROGRAMS IN DENTAL
(For New York State educational institution address and phone information, see Appendix A.)

Broome Community College
Columbia University in the City of New York
City University of New York Hostos Community College
City University of New York New York City Technical College
Erie Community College-North Campus
Erie Community College-South Campus
Hudson Valley Community College
Madison Oneida BOCES-Continuing Education
Mandl School
Monroe Community College
New York School for Medical and Dental Assistants
New York University
Niagara County Community College
Onondaga Community College
Orange County Community College
Oswego County BOCES
Rensselaer Polytechnic Institute
State University of New York at Buffalo
State University of New York at Stony Brook
State University of New York College of Technology at Farmingdale
Ulster County BOCES School of Practical Nursing
University of Rochester

Diagnostic Instrumentation and Services

Cardiovascular Technologist/Technician, Electroneurodiagnostic Technologist, Perfusionist
Cardiovascular Technologist/Technician, Electroneurodiagnostic Technologist

**Cardiovascular Technologist/Technician**

**JOB DESCRIPTION**
Cardiovascular technologists and technicians help physicians in diagnosing and treating heart and blood vessel diseases and disorders. Most technologists and technicians can be found in one of the following special categories.

**AREAS OF SPECIALIZATION**
- **Cardiovascular Technologists** — trained to perform diagnostic tests and provide interventional procedure support for treatment of heart or vascular ailments. They primarily work in the cardiac catheterization laboratory.
- **Cardiopulmonary Technologists** — sometimes referred to as cardiovascular technologists, they are trained to perform diagnostic tests for diagnosis and treatment of heart, lung, and blood vessel ailments.
- **Echocardiograph Technicians** — sometimes known as diagnostic cardiac sonographers, they perform ultrasounds on the heart to assist the physician in the diagnosis of disease and to conduct studies of the heart.

**Electrocardiograph Technician** — sometimes referred to as ECG or EKG technicians, they are trained to conduct an electrocardiogram (ECG or EKG), which measures the heart’s electrical impulses and provides data to help determine the existence of a heart ailment.

**WORK ENVIRONMENT**
Cardiovascular technologists and technicians are employed wherever cardiovascular testing and treatment is performed. All hospital cardiology departments, cardiologist offices, cardiac rehabilitation centers, and diagnostic centers need experienced technical workers to perform tests ranging from the rudimentary to the most complex. The majority of technologists and technicians work a 40-hour workweek, with some evening and weekend shifts as needed.

**ANNUAL WAGES**
- National .............................................. $37,419
- New York State ..................................... $40,934

**EDUCATIONAL REQUIREMENTS**
- The minimum required is a high school diploma or equivalent. Most technicians receive training on the job, although some one-year certificate programs and some two-year junior or community college programs exist. Some employers prefer to train individuals with a background in the health care field. Those qualified in a related allied health profession need to complete one year of specialized instruction. Cardiovascular technologists require specialized instruction and must complete two to four years of study in an accredited community or junior college. Upon completion of the field of study and/or appropriate training, voluntary credentialing is often required.

**PROFESSIONAL ORGANIZATIONS**
- Alliance of Cardiovascular Professionals
- American Registry of Diagnostic Medical Sonographers
- Cardiovascular Credentialing International

For a listing of educational programs in New York State for Diagnostic Instrumentation and Services see page 16.

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**Electroneurodiagnostic Technologist**

**JOB DESCRIPTION**
Electroneurodiagnostic technologists, sometimes known as electroencephalographic or EEG technologists, use an EEG machine to measure electrical activity of a patient’s brain waves to assist in diagnosing brain and nervous system disorders such as brain tumors, strokes, and epilepsy.

**AREA OF SPECIALIZATION**
- **Polysomnographic Technician** — uses a polysomnograph to measure electrical activity of the brain waves to assist the physician in diagnosing and treating sleep disorders.

**WORK ENVIRONMENT**
The majority of electroneurodiagnostic technologists are employed in hospital neurology departments. Neurologic doctors’ and surgeons’ offices, diagnostic sleep centers, mental health facilities, and health maintenance organizations (HMOs) also hire EEG experts. Most technologists, with the exception of some hospital and sleep center employees, will work a 40-hour workweek, and they may be on call to work evenings, weekends, or holidays. Testing is usually conducted in a laboratory setting, although hospital patients often have personal visits from technologists in their hospital room.

**ANNUAL WAGES**
- Starting Salary ................................. $30,562
- Overall Average ............................. $44,621

Salary ranges for 2003, American Medical Association.

**ACADEMIC REQUIREMENTS**
Depending on the employer, training on the job or prior work experience in other areas of the hospital may be sufficient to qualify for most technologist positions. Some facilities require their electroneurodiagnostic technologists to have passed a community college or hospital based formal training program. Graduates of approved formal programs, which are usually one or two years, receive associate degrees or certificates. Qualified applicants can receive the credential “Registered EEG Technologist” and “Registered Evoked Potential Technologist.” Polysomnographic technologists receive their credentials through the Association of Polysomnographic Technologists.

**PROFESSIONAL ORGANIZATIONS**
- American Board of Registration for Electroencephalographic Technologists
- American Society of Electroneurodiagnostic Technologists, Inc.
- Association of Polysomnographic Technology
- Joint Review Committee on Electroneurodiagnostic Technology

For a listing of educational programs in New York State for Diagnostic Instrumentation and Services see page 16.
Perfusionist

JOB DESCRIPTION
Perfusionists set up and operate equipment that controls and regulates the functions of the heart and lungs during surgery or respiratory failure. They work closely with physicians to monitor a patient’s life support during a variety of medical procedures. Perfusionists may administer blood products, anesthetic agents, or drugs when necessary. They are knowledgeable about the varied equipment that is used in these procedures, as well as the circulation and respiratory systems of the human body.

WORK ENVIRONMENT
Perfusionists work in hospitals, in physicians’ private practices, and in health maintenance organizations (HMOs). A 40-hour workweek is standard, but occasionally they are called during emergency situations on weekends and nights.

ANNUAL WAGES
Starting Salary ......................... $50,000-$63,000
Overall Average ......................... $65,000-$79,000

ACADEMIC REQUIREMENTS
To become a perfusionist, individuals must complete an educational program accredited by the Commission on Accreditation of Allied Health Education Programs and pass an examination by the American Board of Cardiovascular Perfusion (ABCP). Training takes one to two years depending on program design and the student’s qualifications. All programs either require a bachelor’s degree prior to admission or award a bachelor’s degree upon completion of the program.

PROFESSIONAL ORGANIZATIONS
American Board of Cardiovascular Perfusion
Alliance for Cardiovascular Professionals
American Society of Extracorporeal Technology
Cardiovascular Credentialing International

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Diagnostic Instrumentation and Services see page 16.
NEW YORK STATE EDUCATIONAL
INSTITUTIONS WITH PROGRAMS IN
DIAGNOSTIC INSTRUMENTATION
AND SERVICES
(For New York State educational institution address
and phone information, see Appendix A.)

Hudson Valley Community College
Long Island University-C W Post Campus
New York University
State University of New York College of Agriculture
and Technology at Cobleskill
State University of New York Health Science Center
at Syracuse
Ultrasound Diagnostic School
Molloy College

Source: U.S. Department of Education – Integrated
Postsecondary Education Data System
(www.nces.ed.gov/ipeds/) and the New York State Area
Health Education Center System Data Resource Center,
September 2003.
Dietetics and Nutrition
Registered Dietetic Technician, Registered Dietitian

Eat For Good Health
Registered Dietetic Technician

JOB DESCRIPTION
Dietetic technicians, registered (DTRs), are trained in food and nutrition and are an integral part of health care and foodservice management teams.

WORK ENVIRONMENT
Dietetic technicians, registered, work independently or in teams with registered dietitians in a variety of employment settings, including:

- Hospitals
- Health Maintenance Organizations (HMOs)
- Clinics, nursing homes, retirement centers
- Hospices, home health care programs and research facilities
- Food companies, contract food management companies
- Schools, day-care centers, correctional facilities
- Restaurants, health care facilities, corporations, hospitals
- Facilities, overseeing food purchasing and preparation
- Managing employees, purchasing, food preparation, and preparing budgets within foodservice operations.

RDs may provide services to foodservice or restaurant managers, food vendors, and distributors, or athletes, nursing home residents, or company employees.

Community and public health settings, teaching, monitoring, and advising the public, and helping to improve their quality of life through healthy eating habits.

Universities and medical centers, teaching physicians, nurses, dietetics students, and others the sophisticated science of foods and nutrition.

Research areas in food and nutrition in universities, hospitals, and companies, directing or conducting research to answer critical nutrition questions to inform the public.

Many work environments, particularly those in medical and health care settings, require an individual be credentialed as an RD.

ANNUAL WAGES

<table>
<thead>
<tr>
<th>National</th>
<th>$30,660*</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York State</td>
<td>$29,432**</td>
</tr>
</tbody>
</table>


EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Dietetics and Nutrition see page 19.

ACADEMIC REQUIREMENTS
To become a practicing dietitian, one must obtain a bachelor's degree in nutrition, dietetics, food service systems management, or a related field. Dietitians study a variety of subjects, ranging from food and nutritional sciences, foodservice systems management, business, economics, computer science, culinary arts, sociology, and communication to the science courses, biochemistry, physiology, microbiology, anatomy, and chemistry. Upon graduation from a program accredited by the American Dietetic Association, individuals must complete a dietetic internship and pass an examination to earn the Registered Dietitian credential approved by the Commission on Dietetic Registration of the American Dietetic Association. Students may also choose to complete a master's degree in dietetics.

PROFESSIONAL ORGANIZATIONS
American Dietetic Association
New York State Dietetic Association

For professional organization address and phone information see Appendix B.

Registered Dietitian

JOB DESCRIPTION
Registered dietitians (RDs) are food and nutrition experts. They promote and maintain health, prevent or treat illness, and aid rehabilitation through nutrition education and diet intervention.

WORK ENVIRONMENT
Registered dietitians work in a wide variety of employment settings, including:

- Hospitals
- Health Maintenance Organizations (HMOs)
- Other health care facilities, educating patients about nutrition and administering medical nutrition therapy as part of the health care team. They also manage the foodservice operations in these settings, as well as in schools, day-care centers, and correctional facilities, overseeing food purchasing and preparation and managing staff.

Sports nutrition and corporate wellness programs, educating clients about the connection between food, fitness, and health.

Food and nutrition-related businesses and industries, working in communications, consumer affairs, public relations, marketing, or product development.

Private practice, working under contract with health care or food companies, or in their own business.

ACADEMIC REQUIREMENTS
An associate's degree from a dietetic technician program is required. Students should then complete a program approved by the Commission on Accreditation for Dietetics Education, and 450-hours of supervised practice experience. After fulfilling academic and practical work experience requirements, one may take the Registration Examination for Dietetic Technicians and, upon passing, become a Dietetic Technician, Registered (DTR).

PROFESSIONAL ORGANIZATIONS
American Dietetic Association
New York State Dietetic Association

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Dietetics and Nutrition see page 19.

EDUCATIONAL REQUIREMENTS
An individual must complete a dietetic internship and pass an examination to earn the Registered Dietitian credential approved by the Commission on Dietetic Registration of the American Dietetic Association. Students may also choose to complete a master's degree in dietetics.

New York State currently offers certification for dietitian/nutritionist. Detailed information for New York State licensing requirements can be found online at www.laborstate.ny.us/business_ny/employer_responsibilities/olcy/menu.htm. Certification is not required to practice as a dietitian.

ACADEMIC REQUIREMENTS
To become a practicing dietitian, one must obtain a bachelor's degree in nutrition, dietetics, food service systems management, or a related field. Dietitians study a variety of subjects, ranging from food and nutritional sciences, foodservice systems management, business, economics, computer science, culinary arts, sociology, and communication to the science courses, biochemistry, physiology, microbiology, anatomy, and chemistry. Upon graduation from a program accredited by the American Dietetic Association, individuals must complete a dietetic internship and pass an examination to earn the Registered Dietitian credential approved by the Commission on Dietetic Registration of the American Dietetic Association. Students may also choose to complete a master's degree in dietetics.

New York State currently offers certification for dietitian/nutritionist. Detailed information for New York State licensing requirements can be found online at www.laborstate.ny.us/business_ny/employer_responsibilities/olcy/menu.htm. Certification is not required to practice as a dietitian.

PROFESSIONAL ORGANIZATIONS
American Dietetic Association
New York State Dietetic Association

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Dietetics and Nutrition see page 19.
NEW YORK STATE EDUCATIONAL INSTITUTIONS WITH PROGRAMS IN DIETETICS AND NUTRITION
(For New York State educational institution address and phone information, see Appendix A.)

City University of New York Brooklyn College
City University of New York Hunter College
City University of New York Lehman College
Cornell University-New York State Statutory Colleges
D’Youville College
Marymount College of Fordham University
New York University
Rochester Institute of Technology
State University of New York at Buffalo
State University of New York College at Oneonta
State University of New York College at Plattsburgh
State University of New York Westchester Community College
Syracuse University
Teachers College at Columbia University

Health Administration and Information

Biophotographer, Health Care Public Relations, Health Information Administrator; Health Information Technician, Health Services Administrator; Medical Assistant, Medical Coding Specialist, Medical Illustrator; Medical Librarian, Medical Secretary, Medical Transcriptionist
Biophotographer

**JOB DESCRIPTION**

In order to photograph and document scientific information, biophotographers are specially trained in the areas of medicine, biology, chemistry, or other health subjects. Typically, their work is used in research reports, scientific publications, medical journals, or textbooks. In addition to being skilled in all technical aspects of photography, biophotographers must also be familiar with the biological sciences. A unique technique employed by biographers is photomicrography, which allows a microscopic object, such as a virus or bacteria, to appear in full detail to the unaided eye. A biophotographer may also document a surgical procedure, photograph an autopsy, or create a visual record of specimens.

**WORK ENVIRONMENT**

Often, biophotographers are employed by major medical, dental, veterinary and health schools and organizations. Pharmaceutical companies, publishing houses, and hospitals need biophotographers to aid in the depiction of microscopic and macroscopic events. Some biophotographers are employed in jobs that have a standard 40-hour workweek, others produce photographs as a part-time job, or are self-employed and make their own hours.

**ANNUAL WAGES**

- **National** $25,043
- **New York State** $31,616


**ACADEMIC REQUIREMENTS**

For most biophotography positions, high school diploma or on the-job-training will not be enough. Formal training programs offered by colleges, vocational-technical schools, and trade schools are usually two to four years in length. If one chooses to obtain a college degree in photography, courses related to specific scientific or medical fields are also required. The BioCommunications Association conducts a certification program that will register all successful individuals as a Registered Biologic Photographer.

**PROFESSIONAL ORGANIZATIONS**

BioCommunications Association
Health and Sciences Communications Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Health Administration and Information see page 27.

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Health Care Public Relations

**JOB DESCRIPTION**

Health care public relations and marketing specialists handle internal and external communications and promotions for a health care organization. Their responsibilities include writing newsletters, handling media/publicity calls, preparing marketing plans for various programs, planning and strategizing promotional and marketing efforts, and writing and creating collateral materials to promote services. They also arrange events between the organization and the public.

**WORK ENVIRONMENT**

Health care public relations and marketing specialists usually work in hospitals, nursing homes rehabilitation or psychiatric facilities or for health maintenance organizations (HMOs). They usually work 40 hours a week, although hours can vary.

**ANNUAL WAGES**

- **National** $64,813
- **Marketing Manager** $83,221
- **New York State** $86,486
- **Marketing Manager** $102,544


**ACADEMIC REQUIREMENTS**

A bachelor's degree is required, combined with experience in public relations as an intern. Recommended areas of post secondary study include communications, journalism, English, public relations, advertising, or a related field. Public relations professionals can become accredited through the Public Relations Society of America or the International Association of Business Communicators.

**PROFESSIONAL ORGANIZATIONS**

International Association of Business Communicators
Public Relations Society of America

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Health Administration and Information see page 27.
Health Information Administrator, Health Information Technician

Health Information Administrator

**JOB DESCRIPTION**
Medical records are permanent documents created and maintained for each person who becomes a patient at a healthcare facility. These records, which may be maintained in paper or electronic media, contain the “who, what, where, when, why, and how” of a patient’s care. Maintaining this information is important because it is used to diagnose, treat, and plan health care services, evaluate overall quality of care, and accurately bill for services that were provided. Health information administrators (who are certified as Registered Health Information Administrators) manage medical record or health information departments in hospitals and other health care organizations. They design and manage health information systems so they meet medical, legal, and ethical standards. They also supervise other personnel who process health information.

**WORK ENVIRONMENT**
Health information administrators work in hospitals, outpatient clinics, insurance companies, governmental agencies, educational institutions, and private industry.

**ANNUAL WAGES**
Starting Salary ......................... $40,000
Overall Average ....................... $54,700

Salary ranges for 2003, American Medical Association.

**ACADEMIC REQUIREMENTS**
A bachelor's degree is required in health information administration from a college or university accredited by the American Medical Association in conjunction with the American Health Information Management Association. Individuals who already have a college degree with prerequisite courses may earn a postgraduate certificate in health information management. Graduates from either a degree or certificate program are eligible for the national registration examination, offered by the American Health Information Management Association, to become a Registered Health Information Administrator.

**PROFESSIONAL ORGANIZATIONS**
American College of Health Care Administrators
American Health Care Association
American Health Information Management Association
Association of University Programs in Health Administration
Health Care Information and Management Systems
For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Health Administration and Information see page 27.

Health Information Technician

**JOB DESCRIPTION**
Health information technicians assist health information administrators in the review and maintenance of medical records, retrieving and compiling data from various reports, and assist in the proper storage, maintenance and retrieval of medical records. They use these records to compile statistics to determine such things as the percent increase in the number of stroke or HIV/AIDS patients seen from year-to-year. Technicians are knowledgeable in organizing a large number of records so that they can be used to find different types of information. Health information technicians also control access to information contained within medical records to maintain confidentiality.

**WORK ENVIRONMENT**
Health information technicians work in hospitals, clinics, medical offices, state and local health departments, long-term care and other healthcare facilities, drug companies, and law firms.

Starting Salary ......................... $30,000
Overall Average ....................... $39,100

Salary ranges for 2003, American Medical Association.

**ACADEMIC REQUIREMENTS**
An associate's degree is required in health information technology. Programs must be accredited by the American Medical Association in conjunction with the American Health Information Management Association. Courses include health sciences, diagnostic and procedure coding, statistics, health law and ethics, and health information maintenance and administration. Graduates from an accredited program are eligible for the national registration examination, offered by the American Health Information Management Association, to become a Registered Health Information Technician.

**PROFESSIONAL ORGANIZATIONS**
American Health Information Management Association
For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Health Administration and Information see page 27.
Health Services Administrator

**JOB DESCRIPTION**
Health services administrators work in offices within hospitals and other health care settings managing the business side of health care. They work as part of a team to help plan, deliver, and finance health services. They also organize marketing and fundraising efforts along with community functions for the hospital or other health organization, respond to patient complaints, and make speeches on behalf of the organization. Depending upon their job title and where they work (i.e., either within a specific department in a hospital or in the primary management office of a small health facility), health services administrators have varying levels of responsibility. Overall, they are in charge of managing important business decisions within the organization, such as setting department budgets; purchasing new equipment; hiring, training and firing employees; overseeing billing issues; and controlling patient outreach efforts.

**WORK ENVIRONMENT**
Administrators often work in nursing homes, health maintenance organizations (HMOs), physician group practices, home health agencies and medical laboratories.

**ANNUAL WAGES**
National ......................................$64,563
New York State ............................$77,605


**ACADEMIC REQUIREMENTS**
The type of education needed to qualify for health services administration positions will vary from job to job. Degrees in health administration are available at the bachelor, master, and doctoral levels from various colleges, universities, and health professional schools. For most positions beyond entry level, at least a master’s degree is necessary. A degree in public health, business administration, or one of the health sciences may be useful in seeking more advanced administration positions.

**PROFESSIONAL ORGANIZATIONS**
American College of Health Care Administrators
American College of Healthcare Executives
Association of University Programs in Health Administration
Medical Group Management Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Health Administration and Information see page 27.

Medical Assistant

**JOB DESCRIPTION**
Medical assistants help doctors by performing a variety of clinical and administrative duties. The scope of their duties generally depends on the size of the practice in which they are employed, with those in larger practices tending to be more specialized. Clerical or administrative duties may involve telephone monitoring, patient record organization, appointment scheduling, billing, and bookkeeping. Some common clinical assignments may include taking vital signs, performing basic laboratory tests, disposing of or sterilizing laboratory supplies, drawing blood, or preparing patients for the physician.

**WORK ENVIRONMENT**
Medical assistants are employed by physicians’ offices, health maintenance organizations (HMOs) and other medical settings. They work with doctors, nurses, and other personnel and may supervise medical secretaries and clerks. Most full-time medical assistants work a regular 40-hour week. Some work part-time, evenings, or weekends.

**ANNUAL WAGES**
National ......................................$24,170
New York State ............................$26,957


**ACADEMIC REQUIREMENTS**
Education is available at community colleges and leads to either a certificate/diploma (one-year) or an associate degree (two years). The curriculum covers anatomy and physiology, medical terminology, medical law and ethics, administrative, examination room, laboratory procedures, medical record management, and other related topics. Graduates of accredited programs are eligible to take the certification examination given by the Certifying Board of the American Association of Medical Assistants.

**PROFESSIONAL ORGANIZATIONS**
American Association of Medical Assistants

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Health Administration and Information see page 27.
Medical Coding Specialist

**JOB DESCRIPTION**
A medical coder is a member of the health information service team. The coding professional uses a classification system to assign code numbers and letters to each symptom, diagnosis, disease, procedure, and operation that appears in the patient’s chart. These codes are used for insurance reimbursement, research, health planning analysis, and to make clinical decisions. A high degree of accuracy and a working knowledge of medical terminology, anatomy, and physiology are important skills for these professionals.

**WORK ENVIRONMENT**
Coding specialists work in health care facilities such as hospitals, clinics, physician practice groups, surgery centers, long-term care facilities, and home health care agencies. They are also employed by consulting firms, coding and billing services, insurance companies, governmental agencies, and computer software companies. Full- and part-time employment opportunities are available.

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Medical Illustrator

**JOB DESCRIPTION**
Medical illustrators are artists who create graphics to meet the requirements of communication media for the biosciences. This work may be used in publications, film, television, and exhibits. Medical illustrators must be accomplished in drawing, painting, and modeling techniques as well as experienced in the media and materials of commercial art. A medical illustrator may work as a member of a research team to provide illustrations and assist with the project that is being worked on. Medical illustrators may also be responsible for preparing charts, graphs, and tables of statistical data. Some artists specialize in preparing artificial body parts such as nose, eyes, or ears to be used when patients require cosmetic or functional improvements. Others prepare models for instructional purposes. They should have a strong foundation in anatomy, biological sciences, pathology, physiology and general medical knowledge to ensure the authenticity of their work.

**ANNUAL WAGES**
Medical illustrators may work at medical, veterinary, dental schools and hospitals. They may also work on a freelance (independent) basis for doctors, drug companies, publishers, advertising agencies, lawyers, or research teams. Generally, medical illustrators will work a standard 40-hour week but self-employed artists may have non-traditional hours.

**ACADEMIC REQUIREMENTS**
A master's degree from an accredited institution is generally required for most positions in medical illustration. There are very few programs in the United States, with each program usually accepting three to twelve students a year. The normal length of these programs is two years. At the undergraduate level, courses in biology and art are equally important for admission to graduate schools. Within each training program, the student may specialize in a specific area of medical illustration such as surgery, veterinary illustration, or animation.

**PROFESSIONAL ORGANIZATIONS**
Association of Medical Illustrators
Health and Sciences Communications Association

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Health Administration and Information see page 27.
Medical Librarian

**JOB DESCRIPTION**

A medical librarian, also known as an information specialist, links people to health information. They organize and help people find health, science, patient care, and general information in a range of settings. Medical librarians teach people how to use information to improve health care.

**WORK ENVIRONMENT**

Medical librarians work in libraries or information resource centers located in colleges and universities, corporations, hospitals, government agencies, Internet companies, public libraries, and research centers. Librarians often plan and manage library services and staff. The librarian's position can be full-time or part-time.

**ANNUAL WAGES**

National .............................. $44,138
New York State ......................... $45,053


**ACADEMIC REQUIREMENTS**

A bachelor's degree is required, including courses such as biology, medical sciences, medical terminology, computer science, education, and management. Knowledge of computer software is also desirable. A master's degree in library and information sciences, accredited by the American Library Association, is mandatory.

**PROFESSIONAL ORGANIZATIONS**

Medical Library Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Health Administration and Information see page 27.

Medical Secretary

**JOB DESCRIPTION**

Medical secretaries perform a variety of tasks to keep a medical office running efficiently. They are familiar with medical practice and terminology and can transcribe medical notes, prepare written reports, handle correspondence, file records, answer the telephone, and bill patients.

**WORK ENVIRONMENT**

Medical secretaries are usually employed in physicians' offices, but may also work in hospitals or other health care facilities. Most secretaries are full-time employees, although part-time and off-hour schedules are available.

**ANNUAL WAGES**

National .............................. $26,000
New York State ......................... $27,269


**ACADEMIC REQUIREMENTS**

Anyone with basic office skills is eligible to be hired as a medical secretary and can be trained on the job. Extra training or advanced skills, however, make an applicant more marketable to an employer. Vocational-technical schools and community colleges often offer secretarial training courses, although those seeking a job as a medical secretary should enroll in a specialized training program. Familiarity with anatomy, technical procedures and laboratory techniques is useful, as is knowledge of health insurance and the computer programs typically used in physicians' offices.

**PROFESSIONAL ORGANIZATIONS**

International Association of Administrative Professionals

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Health Administration and Information see page 27.
Medical Transcriptionist

**JOB DESCRIPTION**
A medical transcriptionist listens to a summary about a patient, types what is heard, and then places the information in the client’s permanent record. This dictation provides a clear, concise, written record, which must contain correct spelling, grammar, and punctuation. Transcriptionists use computers and word processors to complete many medical documents, including medical histories, physicals, consultations, and operative reports. They record procedures and treatments for the medical record and for the physician’s reference.

**WORK ENVIRONMENT**
Medical transcriptionists work in health care type settings such as hospitals, clinics, physician’s offices, health maintenance organizations (HMOs), public health agencies, home health care agencies, nursing homes, or may be self-employed. Medical transcriptionists may work part-time or full-time and may work evenings and weekends.

**ANNUAL WAGES**
National ............................ $27,581
New York State ...................... $30,222


**ACADEMIC REQUIREMENTS**
Students must complete a program or associate degree in medical transcription. Course work includes English composition and grammar, computer applications, medical terminology and medical transcription. Upon completion of a program, individuals can earn the designation Certified Medical Transcriptionist if they pass written and practical examinations provided through the American Association of Medical Transcription.

**PROFESSIONAL ORGANIZATIONS**
American Association for Medical Transcription
For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Health Administration and Information see page 27.
New York State Educational Institutions

NEW YORK STATE EDUCATIONAL INSTITUTIONS WITH PROGRAMS IN HEALTH ADMINISTRATION AND INFORMATION
(For New York State educational institution address and phone information, see Appendix A.)

Alfred University
Allen School-Brooklyn
Allen School-Jamaica
American Center for Career Training
Asa Institute of Business and Computer Technology
Broome Community College
Bryant and Stratton Business Institute
Bryant and Stratton Business Institute-Albany
Bryant and Stratton Business Institute-Buffalo
Bryant and Stratton Business Institute-Main Syracuse
Bryant and Stratton Business Institute-Rochester
Caliber Training Institute
Cattaraugus County BOCES School of Practical Nursing
Center for Employment Training-Bronx
Clinton Community College
Columbia University in the City of New York
Cornell University-New York State Statutory Colleges
City University of New York Bernard M Baruch College
City University of New York Bronx Community College
City University of New York Brooklyn College
City University of New York City College
City University of New York College of Staten Island
City University of New York Hunter College
City University of New York Lehman College
City University of New York Queensborough Community College
Daemen College
Dominican College of Blauvelt
Dover Technical School
D’Youville College
Erie Community College-North Campus
Franklin Career Institute
Genesee Valley BOCES
Grace Institute of Business Technology
Herkimer County Community College
Hofstra University
Iona College
Ithaca College
Long Island Business Institute
Long Island University-Brentwood
Long Island University-Brooklyn Campus
Long Island University-C W Post Campus
Long Island University-Rockland Campus
Madison Oneida BOCES-Continuing Education
Mandl School
Merkaz Bnos-Business School
Mildred Elley School
Mohawk Valley Community College-Utica Branch
Mount Sinai School of Medicine
New School University
New York Institute of Business Technology
New York Medical College
New York School for Medical and Dental Assistants
New York University
Niagara County Community College
Orange County Community College
Pace University-New York
Pace University-White Plains
Ridley-Lowell School of Business
Rochester Education Opportunity Center-State
University of New York Brockport
Rochester Institute of Technology
Rockland Community College
Saint Josephs College-Main Campus
Saint Josephs College-Suffolk Campus
St John’s University-New York
Suburban Technical School
Suffolk County Community College-Western Campus
State University of New York at Albany
State University of New York at Buffalo
State University of New York at Cortland
State University of New York At Stony Brook
State University of New York College at Fredonia
State University of New York College of Technology at Alfred
State University of New York Health Science Center at Brooklyn
State University of New York Institute of Technology at Utica-Rome
State University of New York Westchester Community College
The Sage Colleges-Albany Campus
Touro College
Trocair College
Ultrasound Diagnostic School
Union College
University of Rochester
Utica College of Syracuse University
Villa Maria College Buffalo
Willsey Institute

Imaging Technology

Diagnostic Medical Sonographer, Dosimetrist, Nuclear Medicine Technologist, Radiation Therapist, Radiologic Technologist
Diagnostic Medical Sonographer, Dosimetrist

**Diagnostic Medical Sonographer**

**JOB DESCRIPTION**
Diagnostic medical sonographers use high frequency sound waves (ultrasound) to create dynamic cross-sectional images of body tissues and blood flow. The information sonographers obtain is used by physicians to diagnose disease, injury, and other physical conditions. Sonographers talk with patients to record patient history, explain the procedure, and share non-diagnostic information about sonography and the images. Sonographers may assist with invasive biopsies or treatments which use ultrasound images for guidance into the body. Sonographers may work primarily with one type of patient or in one body area. In each specialty area in which they work, sonographers must know normal anatomy and variations, common pathology and symptoms, and must recognize and produce representative images.

**AREAS OF SPECIALIZATION**
- **Echocardiographers** — specialize in examining the heart and cardiac blood flow patterns.
- **Obstetrical/Gynecological Sonographers** — specialize in examining a pregnant mother and fetus and reproductive organs in women throughout the life cycle.
- **Abdominal Sonographers** — specialize in examining abdominal organs such as the liver, kidney, spleen, and pancreas.
- **Vascular Technologists** — specialize in examining blood vessels, blood flow, and organ perfusion throughout the body.
- **Musculoskeletal Sonographers** — specialize in examining bone and joints.
- **Pediatric Sonographers** — specialize in examining infants and children.
- **Neuroradiologic Sonographers** — specialize in examining the brain and spine.
- **Pediatric Cardiologists** — specialize in examining the heart of children.
- **Thoracic Sonographers** — specialize in examining the chest.
- **Musculoskeletal Sonographers** — specialize in examining the musculoskeletal system.
- **Obstetrical/Gynecological Sonographers** — specialize in examining pregnant women and their fetuses.
- **Abdominal Sonographers** — specialize in examining abdominal organs such as the liver, kidney, spleen, and pancreas.

There are other sonography specialty areas that support physician practices in urology, infertility, pediatric cardiology, neonatal care, breast diagnosis, musculoskeletal injury, vascular screening and surgery.

**WORK ENVIRONMENT**
Most diagnostic medical sonographers are employed in hospital departments such as radiology, cardiology, obstetrics, and vascular surgery. Sonographers may also work in locations such as diagnostic imaging centers, physicians’ offices, health maintenance organizations (HMOs), emergency settings, general medical clinics and specialty settings. Most sonographers work in a full-time position and hours may include evening, weekend or on-call shifts.

**ANNUAL WAGES**
National .......................... $49,962
New York State .................... $51,168


**Dosimetrist**

**JOB DESCRIPTION**
The medical dosimetrist is a member of the radiation oncology team who has knowledge of the overall characteristics and clinical relevance of radiation oncology treatment machines and equipment, is cognizant of procedures commonly used in brachytherapy (the procedure of placing radioactive material sealed in needles, seeds, wires, or catheters directly into or near a tumor), and has the education and expertise necessary to generate radiation dose distributions and dose calculations in collaboration with the medical physicist and radiation oncologist.

**ACADEMIC REQUIREMENTS**
Sonography education can take one, two, or four years, depending on the individual’s background, the degree or diploma desired, and the number of sonography specialties taught. Individuals with no prior training may complete a two-year program leading to the associate’s degree. Students entering sonography from another health care career or baccalaureate background may qualify for certification after programs of one-year in length. Baccalaureate programs in diagnostic sonography are often associated with allied health or radiologic technology programs. Graduates of accredited programs are eligible to apply to the American Registry of Diagnostic Medical Sonographers for examination and certification.

**PROFESSIONAL ORGANIZATIONS**
American Institute of Ultrasound in Medicine
American Society of Echocardiography
Society for Vascular Ultrasound
Society of Diagnostic Medical Sonographers

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Imaging Technology see page 32.
Nuclear Medicine Technologist

WORK ENVIRONMENT
Nuclear medicine technologists work under the direction of physicians in hospitals, diagnostic centers, research facilities, and educational institutions, under standards set by the Nuclear Regulatory Commission. Due to the nature of the work and close proximity to radiation, exposure is kept to a minimum by the use of shielded clothing, gloves and other protective devices. A 40-hour workweek is standard for nuclear medicine technologists. Part-time shifts may also be available, with weekend and evening hours possible.

ANNUAL WAGES
National ................................. $51,563
New York State ......................... $52,499


ACADEMIC REQUIREMENTS
A high school diploma or equivalent is required for entry into a program. Formal training is offered through hospitals, colleges, universities and vocational/technical schools. Individuals can enroll in programs that last from one to four years, and receive a certificate, associate’s degree or bachelor’s degree. Individuals with prior experience in the health field, such as radiographers, may enroll in the one-year programs. Upon completion of an accredited program, graduates must pass an examination and meet other requirements before becoming registered by the American Registry of Radiologic Technologists or the Nuclear Medicine Technology Certification Board. Continuing education is required to remain registered and to stay up-to-date in the field.

PROFESSIONAL ORGANIZATIONS
American Society of Radiologic Technologists
Nuclear Medicine Technology Certification Board
Society of Nuclear Medicine

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Imaging Technology see page 32.

Radiation Therapist

WORK ENVIRONMENT
While most radiation therapists are employed in hospitals, many others work in clinics and research facilities. Forty-hour workweeks are common among these therapists.

ANNUAL WAGES
National ................................. $54,205
New York State ......................... $63,710


ACADEMIC REQUIREMENTS
Training usually takes one to two years depending on previous education, experience, or degree. Applicants applying to one-year programs must have graduated from an accredited program in radiologic technology or a related allied health field. Two-year programs require a high school diploma, or equivalent, with an educational background in science and mathematics. Individuals earning their bachelor’s degree may go through a “2+2” program, meaning two years of preparatory college courses and two years of professional courses in radiologic science. To become licensed as a radiation therapist in New York State, individuals must pass a certification examination offered by the American Registry of Radiologic Technologists and file an application with the New York State Department of Health, Bureau of Environmental Radiation Protection.

PROFESSIONAL ORGANIZATIONS
American Society for Therapeutic Radiology and Oncology
American Society of Radiologic Technologists

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Imaging Technology see page 32.
Radiologic Technologist

JOBS DESCRIPTION
Radiologic technologists, sometimes known as radiographers, X-ray technologists, or imaging technologists, are responsible for producing images of the tissues, organs, bones, and vessels of the human body by operating medical imaging equipment. These images are viewed by a radiologist and/or physician to assist in the detection and diagnosis of disease and injury. All radiologic technologists work under the direct supervision of a physician.

AREAS OF SPECIALIZATION
Radiographers – most commonly produce X-rays of the body and are responsible for preparing patients for the procedure and developing the film for analysis by a physician. More experienced radiographers may perform fluoroscopy, which enhances soft-tissue imaging.

CT Technologists – use computed tomography, a special type of X-ray equipment, to view patients cross-sectionally.

Magnetic Resonance Imaging (MRI) Technologists – are also radiographers, but they use radio waves, a magnetic field, and computers instead of radiation to create images.

Radiation Therapy Technologists – deliver targeted doses of radiation to patients for treatment of disease such as cancer.

Ultrasound Technologists/Sonographers – use ultrasound equipment to produce recordings of functions of the body to study, view, and aid in the diagnosis of diseases or disorders.

WORK ENVIRONMENT
Hospitals employ the largest number of radiologic technologists. Other sites that employ radiologic technologists include physicians’ offices, diagnostic imaging centers, and clinics. Most radiologic technologists work full-time; part-time workers often are needed for some evening, weekend, or on-call hours.

ANNUAL WAGES
National ...................................... $40,622
New York State ............................ $46,842


ACADEMIC REQUIREMENTS
A high school diploma or equivalent is required for entry into a radiography program. Formal training is offered through hospitals, colleges, universities, vocational/technical institutes and the military. While two-year programs are most common, students can enroll in programs that last from one to four years, and receive a certificate, associate’s degree or bachelor’s degree. Individuals with prior experience in the health field usually enroll in the one-year programs. To become licensed as a radiologic technologist in New York State, individuals must complete a two-year program for radiologic technology, pass a certification examination offered by the American Registry of Radiologic Technologists, and file an application with the New York State Department of Health, Bureau of Environmental Radiation Protection.

PROFESSIONAL ORGANIZATIONS
American Registry of Diagnostic Medical Sonographers
American Registry of Radiologic Technologists
American Society of Radiologic Technologists
Society of Diagnostic Medical Sonographers

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Imaging Technology see page 32.
New York State Educational Institutions

NEW YORK STATE EDUCATIONAL INSTITUTIONS WITH PROGRAMS IN IMAGING TECHNOLOGY
(For New York State educational institution address and phone information, see Appendix A.)

Arnot-Ogden Medical Center School of Radiologic Technology
Bellevue Hospital Center School of Radiologic Technology
Broome Community College
City University of New York Bronx Community College
City University of New York Hostos Community College
City University of New York New York City Technical College
CVPH Medical Center School of Radiologic Technology
Erie Community College-City Campus
Faxton-St Luke’s Healthcare School of Radiologic Technology
Hudson Valley Community College
Long Island College Hospital School of Radiology
Long Island University-Brooklyn Campus
Long Island University-C W Post Campus
Manhattan College
Memorial Hospital School of Radiation Therapy Technology
Mercy Medical Center-School of Radiography
Mohawk Valley Community College-Utica Branch
Molloy College
Monroe Community College
Montefiore Medical Center-School of Radiologic Therapy
Nassau Community College
New York United Hospital School of Radiologic Technology
New York University
Niagara County Community College
North Country Community College
Orange County Community College
Robert J Hochstim School of Radiography-South
Nassau Community Hospital
Saint Elizabeth Medical Center School of Radiography
Saint James Mercy Hospital School of Radiography
St. Elizabeth Hospital School of Radiology
St. Francis College
State University of New York at Buffalo
State University of New York at Stony Brook
State University of New York Health Science Center at Brooklyn
State University of New York Health Science Center at Syracuse
State University of New York Westchester Community College
Trocaire College
Ultrasound Diagnostic School
Veterans Administration Hospital School of Radiologic Technology
Western Suffolk BOCES
Winthrop University Hospital Program of Radiology

Medicine

Chiropractor, Emergency Medicine Technician/Paramedic, Physician Assistant, Physician, Podiatrist, Surgical Technologist
Chiropractor

JOE DESCRIPTION
Chiropractors, or Doctors of Chiropractic (DC), diagnose and treat patients whose health problems are associated with the body's muscular, nervous, and skeletal systems, especially the spine. They provide natural, drugless, nonsurgical health treatments and rely on the body's inherent recuperative abilities. The chiropractor typically conducts patient consults, case histories, physical exams (orthopedic, neurological), laboratory analyses, and X-ray examinations. To assist in patient treatment, chiropractors can use exercise, water, light, ultrasound, electric, and heat therapy. They also counsel on wellness concepts such as nutrition, lifestyle changes, and stress management.

AREAS OF SPECIALIZATION

Orthopedics – specializing in problems with skeletal system, muscles, joints, and ligaments.

Neurology – specializing in disorders of nervous system.

Sports Injuries – specializing in treatment of sports related injuries.

Occupational Health – practicing or teaching in business or industry environment.

Nutrition – specializing in nutrition.

Radiology – specializing in using radiologic technology.

Thermography – specializing in using infrared technology to measure temperature variations on the surface of the body, which produces images of abnormal tissue growth.

WORK ENVIRONMENT
The majority of chiropractors choose to work in a solo practice; however, others work in group practice, research positions, teaching jobs, hospitals, and health maintenance organizations (HMOs). Usually, chiropractors work over 40 hours a week; a solo practitioner must also manage the administrative duties of running a business.

ANNUAL WAGES
National ..............................$65,978
New York State .......................$67,226


ACADEMIC REQUIREMENTS
A minimum of 60 semester hours of college credit, (this is equivalent to two years of college) at an accredited college is required. However, most students have earned at least a bachelor's degree prior to admission to chiropractic college. Some states require a bachelor's degree prior to entering a chiropractic college in order to be eligible for licensure. A Doctor of Chiropractic degree is awarded upon successful completion of the required academic courses and clinical internship (approximately four academic years). All states require licensure of chiropractors to practice. To become a licensed chiropractor in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/businessNy/employer_Responsibilities/olcny/menu.htm.

PROFESSIONAL ORGANIZATIONS

American Chiropractic Association
Federation of Chiropractic Licensing Boards
National Board of Chiropractic Examiners
New York Chiropractic Council
New York State Chiropractic Association
World Federation of Chiropractic

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Medicine see page 38.
Emergency Medical Technician and Paramedic

**JOB DESCRIPTION**

Emergency medical technicians (EMTs) and paramedics are usually the first members of the health care team to respond to an accident, fire, heart attack, drowning, or other medical emergencies. The responsibility of making life and death decisions, then taking action based on those decisions, is part of the everyday job. EMTs and paramedics work under physical and emotional stress, using special training to assess and care for the immediate medical needs of emergency patients and transport them safely to the hospital. They communicate with physicians at an appropriate hospital for instructions on treatment, approval of procedures and arrangements for receiving the patient. During transport, EMTs and paramedics will transmit vital signs and other information about the injured and receive medical instructions from a hospital-based physician. Depending on the level of training and certification, the EMT and paramedic perform functions which range from basic life support, such as cardiopulmonary resuscitation (CPR), to active life support including administration of drugs; placing patients on stretchers and lifting them into and out of the ambulance; observing, recording and reporting the patient’s condition; and keeping detailed records about the treatment of patients while in their care. Maintaining the ambulance equipment and participating in first aid education programs are also included in their duties.

**WORK ENVIRONMENT**

EMTs and paramedics may be employed by ambulance, rescue or aeromedical services, in hospitals, private industry, educational institutions, and government agencies. On ambulances, EMTs and paramedics usually work in teams of two. They work closely with police and fire departments.

**ANNUAL WAGES**

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<tr>
<th>Level</th>
<th>Wage</th>
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<tr>
<td>New York State</td>
<td>$31,158</td>
</tr>
</tbody>
</table>

**ACADEMIC REQUIREMENT**

A high school diploma or equivalent is required.

**PROFESSIONAL ORGANIZATIONS**

National Association of Emergency Medical Technicians

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Medicine see page 38.

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Physician Assistant

**JOB DESCRIPTION**

Physician assistants (PAs) work under a physician’s supervision and perform many patient care tasks, which were traditionally conducted by doctors. PAs perform complete physical examinations, diagnose illness, give treatments, order and review laboratory tests and X-rays, and counsel patients on their health problems. New York State, like most other states, allows its PAs to prescribe medication. PAs can work in any specialty of medicine. Their scope of practice is determined by their supervising physician. The extent of supervision depends upon the work setting.

**AREAS OF SPECIALIZATION**

There are many fields in which to specialize as a physician assistant, including emergency medicine, family practice, general internal medicine, general and thoracic surgery, geriatrics, neonatology, obstetrics and gynecology, orthopedics, and pediatric medicine.

**WORK ENVIRONMENT**

Because physician assistants work so closely with physicians, their work schedules may vary. Certain work settings, clinics especially, may guarantee a 40-hour workweek. Physicians’ offices employ the largest number of physician assistants, followed by health clinics, health maintenance organizations (HMOs), federal government agencies, hospitals, nursing homes and correctional facilities. It is common for a physician assistant to work in areas where physicians may be in short supply.

**ANNUAL WAGES**

<table>
<thead>
<tr>
<th>Level</th>
<th>Wage</th>
</tr>
</thead>
<tbody>
<tr>
<td>National</td>
<td>$65,666</td>
</tr>
<tr>
<td>New York State</td>
<td>$68,958</td>
</tr>
</tbody>
</table>

**ACADEMIC REQUIREMENTS**

To become licensed as a physician assistant, individuals must complete a course of study, which has been approved and accredited by the Accreditation Review Committee on Education for the Physician Assistant. Two-year programs generally follow two or three years of undergraduate preparation or a bachelor’s degree. Four-year programs are combined with a bachelor’s degree program. Individuals must pass the Physician Assistant National Certifying Examination that is prepared by the National Commission for Certification of Physician Assistants. To become licensed as a physician assistant in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

**PROFESSIONAL ORGANIZATIONS**

American Academy of Physician Assistants

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Medicine see page 38.
Physician

**JOB DESCRIPTION**

Physicians diagnose, treat, and try to prevent human illness, disease, or injury. They perform many functions, including: analysis of patient histories, physical examinations, and interpretation of diagnostic tests. Physicians stress preventive care and often counsel their patients on better healthcare practices. Physicians use accepted methods of treatment, including pharmaceutical agents and surgical procedures. There are two types of physicians: allopathic physicians, better known as the MD (Medical Doctor) and osteopathic physicians, better known as the DO (Doctor of Osteopathic Medicine). MDs and DOs are fully trained and licensed physicians who specialize in a particular area of medicine. Although both MDs and DOs are physicians who may specialize, prescribe medication, and perform surgery, they differ in their health care philosophy and attend separate training schools. DOs have additional training in Osteopathic Manipulative Treatment (OMT), a hands-on treatment tool that focuses on the body's structure and function, and its ability to help heal itself.

**AREAS OF SPECIALIZATION**

- Anesthesiology — anesthetics for surgical procedures and pain control.
- Emergency Medicine — emergency illness.
- Family Practice — general, comprehensive health care for patients of all ages and genders.
- General Internal Medicine — diagnosis and treatment (non-surgical) of diseases of adults.
- Obstetrics and Gynecology — female reproductive health and childbirth.
- Pediatrics — diagnosis and treatment of injuries, illnesses and diseases of infants and children.
- Psychiatry — diagnosis, treatment and prevention of mental and emotional disorders.
- Surgery — using manual or surgical instruments to treat injuries, illnesses, and conditions of the human body.

There are many other areas of specialization, including, but not limited to: allergy and immunology, cardiology, dermatology, forensic pathology, geriatrics, neonatology, nephrology, neurology, nuclear medicine, ophthalmology, orthopedics, otolaryngology, pathology, physical medicine and rehabilitation, preventive medicine, radiology, and urology.

**WORK ENVIRONMENT**

Physicians work in a variety of settings including private offices, hospitals, clinics, research facilities, laboratories, government agencies, public health or home health care agencies, colleges or universities. A physician's work can be challenging and rewarding, but also emotionally and physically demanding. Physicians have the opportunity to help heal patients but also face the stress of caring for and treating patients in life or death situations. They usually work 60 hours a week or more. Their hours are often irregular, and sometimes include evenings and weekends.

**ANNUAL WAGES**

National
- General Internal Medicine ..$144,000
- Family Practitioners ..............$135,000
- Pediatricians .........................$125,000


**ACADEMIC REQUIREMENTS**

Premedical students should complete undergraduate coursework in physics, biology, mathematics, English and chemistry. Courses in humanities and social sciences are also recommended. After obtaining an undergraduate degree, students apply for medical school. Medical school acceptance is competitive. Students must submit transcripts, scores from MCAT (Medical College Admission test), and letters of recommendation. Medical school includes classes in anatomy, biochemistry, physiology, pharmacology, psychology, medical ethics and related courses. Medical students work with patients under the supervision of physicians, and do rotations in various specialties including family practice, general internal medicine, gynecology, pediatrics, psychiatry and surgery. Following medical school, almost all MDs enter a residency program and apply for a license. This may vary depending upon an individual's area of specialization. To become a licensed physician in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

**PROFESSIONAL ORGANIZATIONS**

- American Association of Colleges of Osteopathic Medicine
- American Medical Association
- American Osteopathic Association
- Association of American Medical Colleges
- Section for Student Services
- Medical Society of the State of New York
- National Board of Medical Examiners
- National Board of Osteopathic Medical Examiners
- New York State Osteopathic Medical Society
- US Medical Licensing Exam

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Medicine see page 38.

36 www.abec.buffalo.edu
Podiatrist

**JOB DESCRIPTION**
Podiatrists, also known as Doctors of Podiatric Medicine (DPMs), prevent, diagnose, and treat disorders of the foot and ankle. They utilize medical, surgical, mechanical, or physical means to treat deformities, injuries, and growths of the foot. They also design casts and orthotics to treat injuries and improve posture and walking style. Podiatrists also counsel and refer patients to other medical doctors if serious symptoms are present. Often, podiatrists are the first healthcare providers to recognize symptoms of heart disease, diabetes, or arthritis.

**AREAS OF SPECIALIZATION**
- **Orthopedic Podiatrist** — treats bone, muscle and joint ailments.
- **Podiatric Sports Medicine** — treats foot and ankle sports related injuries.
- **Podiatric Surgeon** — performs foot surgeries.
- **Podogeriatrics** — treats foot disorders of the elderly.
- **Podopediatrician** — specializes in foot disease in children.

**WORK ENVIRONMENT**
The typical podiatrist has a private independent practice, although partnerships and expanded practices appear to be gaining popularity. The majority of practices exist in states that also have a college of podiatric medicine. Other employment opportunities exist in hospitals, nursing homes, health maintenance organizations (HMOs), and federal government agencies. The number of hours worked by a podiatrist varies by work setting; self-employed doctors often have weekend or evening hours to best accommodate their patients, while other settings are more conducive to 40-hour workweeks.

**ANNUAL WAGES**
Average Net Income .................$134,414


**ACADEMIC REQUIREMENTS**
Prerequisites for admission to a college of podiatric medicine include the completion of at least 90 semester hours of undergraduate study, an acceptable grade point average, and suitable scores on the Medical College Admission Test (some colleges also may accept the Dental Admission Test or the Graduate Record Exam). All of the colleges require eight semester hours each of biology, inorganic chemistry, organic chemistry, and physics, as well as six hours of English. The science courses should be those designed for premedical students. More than 90 percent of podiatric students have at least a bachelor's degree. Colleges of podiatric medicine offer a four-year program that includes classroom instruction in anatomy, chemistry, pathology and pharmacology as well as clinical rotations in hospitals and clinics. Graduates receive a Doctor of Podiatric Medicine degree and go on to complete a one to three year residency depending on specializations. Graduates must complete at least one year of post-graduate training and pass a written and oral exam to receive a license. To become a licensed podiatrist in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business _ny/employer_responsibilities/olcny/menu.htm.

PROFESSIONAL ORGANIZATIONS
American Podiatric Medical Association
American Colleges of Podiatric Medicine
New York State Podiatric Medical Association

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Medicine see page 38.

Surgical Technologist

**JOB DESCRIPTION**
Surgical technologists, sometimes referred to as scrubs and operating room technicians, assist the surgical team by preparing a patient for surgery, placing equipment and supplies in the operating room, and arranging instruments. During surgery, technologists pass instruments to the surgeon and surgeon assistants and observe the patient’s vital signs and check chart. They also prepare, care for, and dispose of specimens taken for laboratory analysis and help apply dressings. After an operation, they may help transfer patients to the recovery room and clean and restock the operating room.

**WORK ENVIRONMENT**
Surgical technologists are typically employed in hospital operating rooms but may also be stationed in delivery rooms, emergency rooms, and in central supply departments. They may also work in clinics, outpatient surgical centers, physician offices, and in other facilities. Most surgical technologists will work a 40-hour week, but may need to be available on weekends, evenings, and holidays.

**ANNUAL WAGES**
National ....................................$32,136
New York State ............................$32,365


**ACADEMIC REQUIREMENTS**
A high school diploma or equivalent is required for entry into training programs. Individuals receive training at accredited community and junior colleges, vocational and technical institutes, or hospitals. Formal post secondary programs last nine months to two years and lead to a certificate, diploma, or associate’s degree. Students who have successfully completed a formal training program may earn certification as a Certified Surgical Technologist after passing a national certification exam.

PROFESSIONAL ORGANIZATIONS
Association of Surgical Technologists

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Medicine see page 38.
New York State Educational Institutions

NEW YORK STATE EDUCATIONAL INSTITUTIONS WITH PROGRAMS IN MEDICINE
(For New York State educational institution address and phone information, see Appendix A.)

Albany Medical College
Broome Community College
Columbia University in the City of New York
Cornell University Medical College
Corning Community College
City University of New York City College
City University of New York College of Staten Island
Daemen College
D'Youville College
Erie Community College-South Campus
Finger Lakes Community College
Herkimer County Community College
Hudson Valley Community College
Jefferson Community College
Long Island University-Brooklyn Campus
Monroe Community College
Mount Sinai School of Medicine
Nassau Community College
Nazareth College of Rochester
New York Chiropractic College
New York College of Podiatric Medicine
New York Institute of Technology-Manhattan Campus
New York Institute of Technology-Old Westbury
New York Medical College
New York University
New York University Medical Center Allied Health Education

Niagara County Community College
Onondaga Community College
Rensselaer Polytechnic Institute
Rochester Educational Opportunity Center-State
University of New York Brockport
Rochester Institute of Technology
Rockland Community College
St. Francis College
St. John's University-New York
St. Vincent's Catholic Medical Centers of New York
State University of New York at Buffalo
State University of New York at Stony Brook
State University of New York College at Brockport
State University of New York Health Science Center at Brooklyn
State University of New York Health Science Center at Syracuse
State University of New York Westchester
Community College
Touro College
Trocaire College
University of Rochester
Wagner College
Western Suffolk BOCES
Yeshiva University

Mental and Social Health

Genetic Counselor, Human Service Worker, Psychiatric Mental Health Technician/Aide, Psychologist, Social Worker
Genetic Counselor, Human Service Worker

Genetic Counselor

**JOB DESCRIPTION**

Genetic counselors provide information and support to individuals and families who have members with birth defects or genetic disorders, or who may be at risk for a variety of inherited conditions. They investigate the family pedigree, interpret information, analyze inheritance patterns and risks of recurrence, and review available options with the family. Counselors may focus on one aspect of genetics, such as preconception, prenatal or pediatric genetics, cancer genetics, neurogenetics, or numerous other aspects of genetic patterns in families. Genetic counselors use their counseling skills, combined with a background in medical genetics, to assist families through emotional times.

**WORK ENVIRONMENT**

Genetic counselors work in private practice, commercial research laboratories, public health clinics, health maintenance organizations (HMOs), and federal agencies. Most, however, are employed by hospitals or university medical centers, where they are concentrated in pediatrics, obstetrics and/or oncology. Full-time, 40-hour workweeks are standard for genetic counselors, although some hospitals may request that they be on call for emergency situations.

**ANNUAL WAGES**

Starting Salary .......................$40,900
Overall Average .......................$53,800


**ACADEMIC PROGRAMS**

A bachelor's degree in a biological science, psychology, public health, nursing, genetics, or other related fields is necessary. Those interested can obtain their master's degree in genetic counseling. Graduate course work includes medical genetics, counseling topics, and hands-on-experience in the field. The American Board of Genetic Counseling (ABGC) conducts the certification examination for those who have their graduate degree in genetic counseling from an ABGC-accredited program and who meet the requirements.

**PROFESSIONAL ORGANIZATIONS**

American Board of Genetic Counseling
National Society of Genetic Counselors

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Mental and Social Health see page 43.

Human Service Worker

**JOB DESCRIPTION**

The title human service worker encompasses a broad range of careers in social work, mental health, and rehabilitation. Some job titles that fall under this heading are social service assistant, alcohol or drug abuse counselor, childcare worker, gerontology aide, community support worker, life skills counselor, case management aide, and social work assistant. Depending upon the job title and setting, workers’ responsibilities will vary. Generally, human service workers provide support; give clients information about services such as food stamps and Medicaid; provide transportation; counsel clients on lifestyles and coping habits; keep an accurate record of client progress; and coordinate group, community, and outreach activities. Some human service workers deal directly with psychological issues or coordinate the activities of a rehabilitation program, counseling center, youth program, or nursing home.

**WORK ENVIRONMENT**

Just as the job description of a human service worker varies, so does the work environment. Group homes, hospitals, clinics, and shelters all require the skills of these individuals. Government agencies, public welfare agencies, and private human service agencies employ human service workers as planners, coordinators, project managers, and field workers. Usually, human service workers will work a 40-hour week; some work during business hours, while in-home or hospital workers may have evening, late or weekend shifts. Some work may be carried out in an office environment, while the rest of the time is spent out in the field.

**ANNUAL WAGES**

National .................................$23,858
New York State .........................$27,082


**ACADEMIC REQUIREMENTS**

High school graduates will be trained on the job, but their duties may be limited to direct care services. Although a college degree is not necessary for human service work, it will make a job applicant more attractive to employers. A certificate or an associate’s, bachelor’s, or higher degree qualifies the holder for positions in management or worker supervision, as well as for direct contact with clients.

**PROFESSIONAL ORGANIZATIONS**

Council for Standards in Human Service Education
National Organization for Human Service Education

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Mental and Social Health see page 43.
**Psychiatric Mental Health Technician/Aide, Psychologist**

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### Psychiatric Mental Health Technician/Aide

**JOB DESCRIPTION**

Psychiatric mental health technicians, also known as psychiatric aides, work with people with emotional or mental illness, and mental retardation, under the supervision of doctors, nurses, and other medical personnel. They observe, interview, and counsel patients; and participate in their daily recreation, work, and treatment programs. They also perform simple nursing tasks, such as taking temperatures and giving out medications. Additionally, psychiatric mental health technicians assist patients in dealing with problems occurring within the family, work, and community environments. Most important, they provide companionship and assistance to individuals who are isolated from the outside world.

**WORK ENVIRONMENT**

Psychiatric mental health technicians are usually employed in hospital psychiatric wards, community mental health centers, state and county mental institutions, and private facilities. Some facilities may have aides on duty around the clock, or may need them during normal business hours. Full-time and part-time work schedules are possible within this field.

**ANNUAL WAGES**

<table>
<thead>
<tr>
<th>National</th>
<th>New York State</th>
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<tbody>
<tr>
<td>$25,771</td>
<td>$30,680</td>
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</table>

**ACADEMIC REQUIREMENTS**

Some psychiatric facilities may hire mental health technicians with no experience or training. Through on-the-job training, these aides learn their designated duties under close supervision. Training programs may be offered in vocational-technical schools, community colleges, or through mental health facilities. Good interpersonal skills and a willingness to help others are important for a successful mental health technician.

**PROFESSIONAL ORGANIZATIONS**

American Psychiatric Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Mental and Social Health see page 43.

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### Psychologist

**JOB DESCRIPTION**

Psychologists study the behaviors, emotions, and thinking processes. These licensed mental health professionals are trained to assess, diagnose, and treat mental disorders by using individual, child, family, and group therapies. Psychologists may teach, conduct research, or serve as consultants or therapists.

**AREAS OF SPECIALIZATION**

**Clinical Psychologists** – comprise the largest group of psychologists and work with physicians in counseling emotionally disturbed individuals, medical and surgical patients, and chronically ill patients.

**Health Psychologists** – work with patients trying to adopt a healthy lifestyle and achieve personal health goals.

**Geropsychologists** – specialize in problems of the elderly, such as adapting to lifestyle limitations, keeping a healthy attitude about the future, and remaining active.

**Counseling Psychologists** – advise clients on how to cope with everyday issues and help to resolve personal problems.

There are many other areas in which to specialize as a psychologist, including developmental, experimental, industrial-organizational, school, social, abnormal, neuroforensic, engineering, rehabilitation, educational, and sports psychology.

**WORK ENVIRONMENT**

Psychologists practice in varied settings, depending upon their specialty. Private practice psychologists have their own offices with hours tailored to meet patients’ needs. Psychologists employed by hospitals, nursing homes, and other medical facilities may need to cover late night and weekend shifts. Others who work as faculty at colleges and universities, in government positions, or engage in research are likely to keep regular business hours. Psychologists may often work in more than one setting and divide their time accordingly.

**ANNUAL WAGES**

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</thead>
<tbody>
<tr>
<td>$52,208</td>
<td>$63,981</td>
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</table>

**ACADEMIC REQUIREMENTS**

School psychologists and some community mental health psychologists hold at least a master’s degree in psychology. However, to become a licensed psychologist, you must have a doctorate degree in psychology. Most doctoral programs in psychology and clinical psychology involve four to five years of study after receiving a bachelor’s degree. There are two types of doctoral degrees - a PhD (Doctor of Philosophy) and a Psy.D (Doctor of Psychology). Psychologists with a PhD generally qualify for a number of teaching, research, clinical or counseling positions, while those with a Psy.D primarily work in clinical positions. Upon earning an advanced degree from an accredited school, students must meet proper certification requirements. To become a certified psychologist in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: [www.labor.state.ny.us/business_ny/employer_responsibilities/olcn/evaluate.htm](http://www.labor.state.ny.us/business_ny/employer_responsibilities/olcn/evaluate.htm).

**PROFESSIONAL ORGANIZATIONS**

American Board of Professional Psychology, Inc.
American Psychological Association

New York State Psychological Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Mental and Social Health see page 43.
Social Worker

JOB DESCRIPTION
Social workers work with individuals, families, groups, organizations, and communities. In a medical setting, they help patients and their families deal with problems related to physical, mental, or emotional illness and disability. Working in the community, social workers assist residents in finding employment or housing and help initiate community projects. A social worker may provide personal counseling to help individuals and families improve their problem solving and coping skills and developmental capacities.

AREAS OF SPECIALIZATION
There are many fields in which to specialize as a social worker, including child welfare, family services, child or adult protective services, clinical, mental health, health care, school social work, criminal justice, occupational social work, gerontology, and policy/planning.

WORK ENVIRONMENT
A social worker typically works a 40-hour week, with some of those hours on the weekend or during evening hours when clients are available. Because the title of social worker encompasses so many duties, work settings will vary from person to person. In health care, social workers are predominantly employed in hospitals, clinics, mental health facilities, nursing homes, community and public health centers, federal agencies, and patient homes. They will often work alongside other health care providers such as physicians, nurses, and mental health professionals.

ANNUAL WAGES

<table>
<thead>
<tr>
<th></th>
<th>New York</th>
<th>National</th>
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<tr>
<td>Child, Family and School Social Workers</td>
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<tr>
<td>Medical and Public Health Social Workers</td>
<td>$38,438</td>
<td>$44,138</td>
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<tr>
<td>Mental Health and Substance Abuse Social Workers</td>
<td>$33,030</td>
<td>$36,400</td>
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</table>


ACADEMIC REQUIREMENTS
A bachelor's degree in social work is the entry degree for the field; a master's degree is necessary for more advanced positions. The master's degree is appropriate for those interested in health and mental health social work, or for any supervisory or administrative position. The Doctor of Social Work degree is required for college and university teaching positions and any formal research in social work. Licensing and certification laws regarding social workers vary from state to state. To practice as a certified social worker in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

The National Association of Social Workers awards several certifications: C-SWCM (Certified Social Work Case Manager), C-CATODSW (Certified Clinical Alcohol, Tobacco, and other Drugs Social Worker), and C-SSWS (Certified School Social Work Specialist).

PROFESSIONAL ORGANIZATIONS
American Board of Examiners in Clinical Social Work
Association of Social Work Boards
National Association of Social Workers
National Association of Puerto Rican/Hispanic Social Workers

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Mental and Social Health see page 43.
New York State Educational Institutions

Hofstra University
Houghton College
Iona College
Ithaca College
Keuka College
Le Moyne College
Long Island University-Brooklyn Campus
Long Island University-C W Post Campus
Long Island University-Southampton College
Long Island University-Westchester
Manhattan College
Manhattanville College
Marist College
Marymount College
Marymount Manhattan College
Mercy College-Bronx Branch Campus
Mercy College-Main Campus
Mercy College-White Plains Branch Campus
Mercy College-Yorktown Heights Branch Campus
Mohawk Valley Community College-Utica Branch
Molloy College
Mount Saint Mary College
Nazareth College of Rochester
New School University
New York Institute of Technology-Central Islip
New York Institute of Technology-Manhattan Campus
New York Institute of Technology-Old Westbury
New York Medical College
Niagara University
Nyack College
Pace University-New York
Pace University-Pleasantville Briarcliff
Rensselaer Polytechnic Institute
Roberts Wesleyan College
Rochester Institute of Technology
Saint Bonaventure University
Saint John Fisher College
Saint Josephs College-Main Campus
Saint Josephs College-Suffolk Campus
Saint Thomas Aquinas College
Siena College
Skidmore College
St Francis College
St John’s University-New York
St Lawrence University
State University of New York at Albany
State University of New York at Binghamton
State University of New York at Buffalo
State University of New York at Stony Brook
State University of New York College at Brockport
State University of New York College at Buffalo
State University of New York College at Cortland
State University of New York College at Fredonia
State University of New York College at Geneseo
State University of New York College at New Paltz
State University of New York College at Old Westbury
State University of New York College at Oneonta
State University of New York College at Oswego
State University of New York College at Plattsburgh
State University of New York College at Potsdam
State University of New York College at Purchase
State University of New York College of Agriculture and Technology at Cobleskill
State University of New York Empire State College
State University of New York Institute of Technology at Utica-Rome
State University of New York Westchester Community College
Syracuse University
Teachers College at Columbia University
The College of New Rochelle
The College of Saint Rose
The Sage Colleges-Albany Campus
The Sage Colleges-Troy Campus
Touro College
Union College
University of Rochester
Utica College of Syracuse University
Vassar College
Wagner College
Wells College
Yeshiva University

Nursing

Clinical Nurse Specialist, Home Health Aide, Licensed Practical Nurse,
Nurse Anesthetist, Nurse Midwife, Nurse Practitioner,
Nursing Assistant/Aide, Registered Nurse
Clinical Nurse Specialist

JOB DESCRIPTION
Clinical nurse specialists (CNSs) are registered nurses (RNs) who specialize in a specific field of clinical practice. Some common areas of specialization are cardiac rehabilitation, cardiology, community health, critical care, diabetes, emergency services, gerontology, maternal and child health, medical surgical health, neonatal health, oncology, pediatrics, psychiatric-mental health, organ transplants, and trauma. Clinical nurse specialists also may work as part of a research team or as educators.

WORK ENVIRONMENT
Clinical nurse specialists work in a variety of settings, such as hospitals, doctors’ offices, schools, occupational settings, and independent practices. Certain specialties are more suited to specific locations such as nursing homes, rehabilitative facilities, and maternity centers. Full-time work is usually available throughout the day.

ANNUAL WAGES
National ........................................... $46,675

Average annual earnings as of March 2000. U.S. Department of Health and Human Services Health Resources and Service Administration, Bureau of Health Professions Division of Nursing.

ACADEMIC REQUIREMENTS
Clinical nurse specialists are RNs with a bachelor’s degree who go on to complete graduate programs (master’s level or above). To work as a clinical nurse specialist, you must take a national examination for certification and be certified in a clinical specialty from a national credentialing body.

PROFESSIONAL ORGANIZATIONS
American Nurses Association
National League for Nursing

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Nursing see page 49.

Home Health Aide

JOB DESCRIPTION
Home health aides, also referred to as home care aides and personal care attendants, care for elderly and disabled people in their own homes. Often, clients have just been released from a hospital or nursing home, or suffer from a debilitating illness that restricts independence. Duties performed by home health aides include, but are not limited to, housekeeping chores like laundry and cleaning; planning and cooking meals; bathing, dressing, and grooming the patient; reminding the patient to take medications; assisting in movement and exercise; and serving as a companion inside the home and out. Records are kept documenting the patient’s daily activities and progress of the patient.

WORK ENVIRONMENT
Home health aides are employed by home health care agencies that maintain a large pool of clients. On a typical day, a home health aide may see five or more patients; the length of time spent with each varies from an hour to an entire afternoon. Some health aides may establish a relationship with a patient that lasts years. Most days are spent one-on-one with the patient; supervisory personnel are usually not involved. Part-time, weekend, and evening work should be expected.

ANNUAL WAGES
National ........................................... $18,242

New York State ............................... $18,491


ACADEMIC REQUIREMENTS
State training requirements for home health aides are variable and some states require no formal training. For cases where Medicare offers reimbursement, the federal government requires passing a 12-part competency exam that includes communication skills, basic knowledge of body function and changes in the body, proper procedures in the event of an emergency, and nutrition, as well as other skills involving the care of ailing individuals. They must also have at least 75 hours of classroom time and training supervised by a registered nurse. For home health aides seeking national certification, the National Association for Home Care and Hospice awards this status.

PROFESSIONAL ORGANIZATIONS
American Nurses Association
National Association for Homecare and Hospice

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Nursing see page 49.
Licensed Practical Nurse

**JOB DESCRIPTION**
Licensed practical nurses (LPNs) provide bedside care of patients and perform a variety of other nursing duties. Under direct supervision of registered nurses and physicians, LPNs assume the responsibilities of taking vital signs, observing patients and seeing to their comfort, collecting specimens for laboratory tests, administering medications, dressing wounds, starting IVs, and in some cases supervising nursing aides or assistants.

**WORK ENVIRONMENT**
LPNs may work in a variety of settings including hospitals, clinics, nursing homes, private homes, or institutions. Although 40-hour workweeks are typical, LPNs may work hours other than nine-to-five. Patients in large facilities require around-the-clock monitoring by LPNs and other health care personnel.

**ANNUAL WAGES**
National ......................................$32,386  
New York State ............................$33,758

**ACADEMIC REQUIREMENTS**
Individuals must complete a state-approved practical nursing program, which is usually offered through vocational/technical schools, community colleges, university, or hospital. Individuals who have successfully completed a training program must pass a licensing examination to earn the designation of licensed practical nurse (LPN). To become certified as a licensed practical nurse in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

**PROFESSIONAL ORGANIZATIONS**
American Association for Practical Nurse Education and Service, Inc.  
National Council of State Boards of Nursing  
National Federation of Licensed Practical Nurses  
National League for Nursing  
New York State Nurses Association

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Nursing see page 49.

Nurse Anesthetist

**JOB DESCRIPTION**
Anesthesia is the use of special drugs to temporarily block sensation in an area of the body or enable a patient to be kept unconscious and pain-free during surgery. Anesthesia is administered by either an anesthesiologist (a physician who specializes in this area of practice) or a nurse anesthetist (a registered nurse who is specially trained in anesthesiology). As a key member of the operating team, the nurse anesthetist combines professional nursing skills with the science of anesthesia and works in collaboration with a doctor or dentist to administer and monitor anesthesia.

**WORK ENVIRONMENT**
Nurse anesthetists work in a setting in which anesthesia is delivered; traditional hospital surgical suites and obstetrical delivery rooms; the offices of dentists, podiatrists, ophthalmologists, plastic surgeons; ambulatory surgical centers; health maintenance organizations (HMOs); U.S. Military and Public Health Services; and Veterans Administration medical facilities. A nurse anesthetist’s work schedule will revolve around a facility’s operating schedule.

**ANNUAL WAGES**
National ......................................$93,787

Average annual earnings as of March 2000. U.S. Department of Health and Human Services Health Resources and Service Administration, Bureau of Health Professions Division of Nursing.

**ACADEMIC REQUIREMENTS**
To become a nurse anesthetist, you must be a registered nurse with either a bachelor’s degree in nursing or a bachelor’s degree in a biophysical science, and then complete a minimum 24-month training course in anesthesia from an approved school of nurse anesthesia. Often, training is through a graduate school and leads to a master’s degree. After completing the training course, you must pass an examination by the Council on Certification for Nurse Anesthetists to become a Certified Registered Nurse Anesthetist.

**PROFESSIONAL ORGANIZATIONS**
American Association of Nurse Anesthetists  
American Nurses Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Nursing see page 49.
Nurse Midwife

JOE DESCRIPTION
A nurse midwife is a registered nurse or an equivalently prepared individual who has successfully completed a recognized program of study and clinical experience in obstetrics, and who is qualified to provide care for expectant mothers whose pregnancies are apparently normal. A midwife provides professional care during pregnancy, labor, delivery, and after-birth phases for both the mother and the newborn infant. Other duties include preventive health care, counseling, prescribing medication (most states), conducting clinical research, and teaching. In New York State, a licensed midwife may also provide well-woman gynecological services.

WORK ENVIRONMENT
Nurse midwives may choose to have a private practice or may be employed in hospitals, independent birthing centers, or clinics. Hours will vary as to place of employment, although nurse midwives are usually on call and must be available to expectant mothers at all times.

Nurse Practitioner

JOB DESCRIPTION
Nurse practitioners (NPs) are nurses who have completed a master’s nursing degree or postmaster’s training in preventive and medical health care to individuals and families in collaboration with a physician. NPs provide comprehensive health promotion services to ambulatory patients, evaluate presenting problems at the patient’s initial contact with the primary care system, and provide continuing care to patients with acute and stable chronic illnesses. Nurse practitioners also educate patients about staying healthy. They often take care of special populations such as the rural poor, migrant farm workers, elderly persons, and children. In communities or facilities with few physicians, nurse practitioners are especially important as providers of health care. Nurse practitioners can specialize in adult health, acute care, geriatrics, family health, school health, and women’s health, or may function as clinical teachers.

ANNUAL WAGES
National ..............................................$60,126
Average annual earnings as of March 2000. U.S. Department of Health and Human Services Health Resources and Service Administration, Bureau of Health Professions Division of Nursing.

ACADEMIC REQUIREMENTS
Nurse practitioners are registered nurses with a bachelor’s degree in nursing who receive instruction in prenatal, intrapartum, postpartum, newborn care, gynecology, and the care of women in the childbearing cycle. Educational programs provide either a certificate or master’s degree. Programs in nurse midwifery take one to two years depending on the program and its prerequisites. Graduates must then pass an examination given by the American College of Nurse-Midwives Certification Council, Inc. To become licensed as a nurse midwife in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

WORK ENVIRONMENT
Nurse practitioners work in settings such as rural health clinics, public health departments, community health centers, hospitals, physicians’ offices, nursing homes, health maintenance organizations (HMOs), student health clinics, home health agencies, migrant health clinics, and prisons. Work hours may vary, although typical full-time business hours are popular.

PROFESSIONAL ORGANIZATIONS
American College of Nurse-Midwives
American Nurses Association
National Council of State Boards of Nursing
National League of Nursing
New York State Nurses Association
For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Nursing see page 49.
Nursing Assistant/Aide

JOB DESCRIPTION
Nursing assistants or aides, also referred to as hospital attendants, provide basic patient care under direct nursing supervision. Typical work activities include attending to a patient’s comfort, hygiene, and meals; assisting with patient mobility; checking temperatures and vital signs; keeping the patient’s room and bed tidy; and reporting any changes in patient demeanor or agility to nurses or doctors on duty. Especially in nursing homes, interaction with the nursing aide may be the one of the few contacts a patient has with the outside world.

WORK ENVIRONMENT
Nursing assistants and similar workers usually find employment in nursing homes and hospitals. Others may choose to work privately for families or in homes for the aged. Most nursing aides are full-time workers, but part-time shifts in the evenings and weekends are also available. These shifts are often the most convenient for students at the high school or college level.

ANNUAL WAGES
National .......................... $20,488
New York State ...................... $26,728

Registered Nurse

JOB DESCRIPTION
Registered nurses (RNs) care for patients and promote their physical, mental, and social well-being. The duties performed by RNs include monitoring patient status and progress, assisting the physician in care and rehabilitation, administering medication, and advising patients and their families on preventive health care measures. State laws and specific employer restrictions specify exactly what a registered nurse is allowed to do on the job.

AREAS OF SPECIALIZATION
Hospital Nurse – provides bedside care in various hospital departments.
Office Nurse – works in the office and clinical care.
Home Health Nurse – provides long-term care nursing.
Preoperative Nurse – works in hospital surgical departments, ambulatory surgery clinics, and physician offices, and might serve as an RN first assistant, circulating nurse, or scrub nurse.
Public Health Nurse – provides community-wide health education.
Occupational Health/Industrial Nurse – provides work site care.
Head Nurse/Nurse Supervisor – provides managerial and administrative responsibilities.

RNAs also specialize in many clinical areas or populations, such as intensive care or pediatrics.

WORK ENVIRONMENT
Registered nurses are found in acute care hospitals, sub-acute settings, rehabilitation and long-term care facilities, retirement communities, health maintenance organizations (HMOs), ambulatory care clinics, specialized outpatient clinics, urgent care, birthing centers, schools, mental health settings, home health, and public care. Registered nurses are employed in hospitals, physicians’ offices, nursing homes, schools, or government agencies. Nurses work part-time or full-time, and their hours vary depending upon specialty and where they work. They may be on call and may work evenings, weekends and holidays.

ANNUAL WAGES
National .......................... $49,546
New York State ...................... $56,139

NATIONAL AND NEW YORK STATE MEDIAN ANNUAL EARNINGS FOR 2003.

PROFESSIONAL ORGANIZATIONS

ADVANCED PRACTICE

Many nurses continue their formal education to earn a master’s degree in nursing. This provides them with expanded career options, including the roles of clinical nurse specialist, nurse practitioner, nurse midwife, nurse anesthetist, administrator or educator.

PROFESSIONAL ORGANIZATIONS

EDUCATIONAL INSTITUTIONS

For a listing of educational programs in New York State for Nursing see page 49.
# New York State Educational Institutions

## Nursing

### New York State Educational Institutions with Programs in Nursing

<table>
<thead>
<tr>
<th>Institution</th>
<th>Address</th>
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<tbody>
<tr>
<td>Adelphi University</td>
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<tr>
<td>Adirondack Community College</td>
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<tr>
<td>Adult Practical Nursing-Albany BOCES</td>
<td></td>
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<tr>
<td>Albany Medical College</td>
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<tr>
<td>Arnot-Ogden Medical Center School of Nursing</td>
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<tr>
<td>Broome Community College</td>
<td></td>
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<tr>
<td>Broome-Delaware-Tioga BOCES Program</td>
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<tr>
<td>Buffalo Vocational Technical Center-Practical Nursing</td>
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<tr>
<td>Caliber Training Institute</td>
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<tr>
<td>Cattaraugus County BOCES School of Practical Nursing</td>
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<tr>
<td>Cayuga County Community College</td>
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<tr>
<td>Cayuga Onondaga BOCES</td>
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<tr>
<td>Clinton Community College</td>
<td></td>
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<tr>
<td>Clinton-Essex-Warren-Washington BOCES Practical Nursing</td>
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<tr>
<td>Cochran School of Nursing</td>
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<tr>
<td>College of Mount Saint Vincent</td>
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<td>Columbia University in the City of New York</td>
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<td>Columbia-Greene Community College</td>
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<td>Crouse Hospital School of Nursing</td>
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<td>New York College for Wholistic Health Education and Research</td>
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<td>State University of New York College at New Paltz</td>
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<td>State University of New York College at Plattsburgh</td>
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New York State Educational Institutions

State University of New York College of Agriculture and Technology at Morrisville
State University of New York College of Technology at Alfred
State University of New York College of Technology at Canton
State University of New York College of Technology at Delhi
State University of New York College of Technology at Farmingdale
State University of New York Health Science Center at Brooklyn
State University of New York Health Science Center at Syracuse
State University of New York Institute of Technology at Utica-Rome
State University of New York Ulster County Community College
State University of New York Westchester Community College
Syracuse Central Technical Vocational Center
Licensed Practical Nursing Program
Syracuse University
Teachers College at Columbia University
The College Of New Rochelle
The Sage Colleges-Albany Campus
The Sage Colleges-Troy Campus
Tompkins-Cortland Community College
Troy College
Ulster County BOCES School of Practical Nursing
University of Rochester
Utica College of Syracuse University
Veeb Nassau County School of Practical Nursing
Wagner College
Washington-Saratoga-Warren-Hamilton-Essex BOCES
Wayne-Finger Lakes BOCES School of Practical Nursing
Western Suffolk BOCES

Pharmacy
Pharmaceutical Scientist, Pharmacy Technician, Pharmacist
**Pharmaceutical Scientist**

**JOB DESCRIPTION**
Pharmaceutical scientists specialize in the design, development and rational use of medications for the treatment and prevention of disease. While pharmacists interact with patients and other health care practitioners to optimize patient drug therapy regimens, pharmaceutical scientists are intimately involved in the drug development and research of new medications. In designing new drug therapies, pharmaceutical scientists are involved in developing drug dosage forms, studying the dosage form in terms of how quickly and how much of the drug is delivered to the bloodstream, defining appropriate drug dosing regimens and identifying possible drug interactions.

**AREAS OF SPECIALIZATION**
- **Physical Pharmacy** — the development and optimization of the physical/chemical properties of traditional and novel drug delivery systems.
- **Biopharmaceutics** — the study of the relationship between the nature and intensity of biologic effects of drugs and various dosage formulations.
- **Pharmacokinetics and Pharmacodynamics** — analyses of drug concentrations and therapeutic effects, in the human body.
- **Clinical Pharmacokinetics and Clinical Pharmacodynamics** — the safe and effective therapeutic management of patients.
- **Pharmacogenomics and Bioinformatics** — the study of how an individual's genotype governs his/her drug concentrations and therapeutic response; and how drugs may alter a person’s gene expression.
- **Pharmacometrics** — an important, new field that fuses pharmacology, computer sciences, mathematics and statistics to analyze diverse data in large populations of diverse patients.

**WORK ENVIRONMENT**
Pharmaceutical scientists are typically employed in the research laboratories of pharmaceutical companies and universities, or as faculty in schools and colleges of pharmacy. The United States Food and Drug Administration (FDA) also employs pharmaceutical scientists to review investigational and new drug applications prior to the marketing of a new drug.

**ANNUAL WAGES**

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<th>Degree Level</th>
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<tr>
<td>Master’s (MS)</td>
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<tr>
<td>Doctoral (Ph.D.)</td>
<td>$72,000</td>
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</table>

For individuals with 0-5 years of experience. 2001 AAPS Salary Survey. American Association of Pharmaceutical Scientists.

**ACADEMIC REQUIREMENTS**
A pharmaceutical scientist must have a bachelor's degree, master's degree, or PhD in pharmaceutics or pharmaceutical sciences from a pharmacy school. After obtaining a bachelor's degree (in any of the sciences), students interested in a master's degree in pharmaceutical sciences typically need two to three additional years of graduate education and research; those interested in the doctoral degree typically need four to six additional years of graduate education and research. Individuals interested in academia may need to complete another two to four years of research in a post-doctoral training program.

**PROFESSIONAL ORGANIZATIONS**
- American Association of Pharmaceutical Scientists
- American Society for Pharmacology and Experimental Therapeutics

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Pharmacy see page 54.

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**Pharmacy Technician**

**JOB DESCRIPTION**
Pharmacy technicians assist and support licensed pharmacists in providing health care and medications to patients. They have a broad knowledge of pharmacy practice and are skilled in the techniques required to order, stock, package, and prepare medications. When working in a pharmacy, pharmacy technicians work under the direction of a licensed pharmacist.

**WORK ENVIRONMENT**
Pharmacy technicians are hired in the same settings where pharmacists work. Neighborhood pharmacies, hospitals, independent laboratories, federal agencies and pharmaceutical companies all employ technicians. They may be employed on a part-time or full-time basis.

**ANNUAL WAGES**

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<td>$22,755</td>
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**ACADEMIC REQUIREMENTS**
A high school diploma or equivalent is required. The educational requirements for pharmacy technicians vary according to the type and extent of duties they are hired to perform. Some who are hired as aides, work only under direct supervision and may be hired without any formal training. However, pharmacy technicians usually attend a community college or vocational technical school where they are trained in the fundamentals of pharmaceutical science. An associate's degree is the most significant degree awarded for this field, and usually takes two years to obtain.

**PROFESSIONAL ORGANIZATIONS**
- American Association of Pharmacy Technicians
- American Pharmaceutical Association

**EDUCATIONAL INSTITUTIONS**
For educational programs in New York State for Pharmacy see page 54.
Pharmacist

JOB DESCRIPTION
Pharmacists are the “drug experts” among health professionals. They know how a drug heals and how it can hurt, and how it reacts with food and other drugs. They know the drugs’ desired effects and side effects. Pharmacists are responsible for ensuring the safe, appropriate and cost-effective use of drugs in almost every type of patient care setting. Their most important duty is to teach patients, physicians and other health care providers about drugs. This includes how the drugs work, what they are used for, how they are used, and what to expect from them. Pharmacists are also responsible for monitoring whether or not the drugs being used are working correctly.

AREAS OF SPECIALIZATION
Community Pharmacist – fills drug prescriptions, advises clients on treatment regimens, and runs small neighborhood businesses.

Home Care Pharmacist – supplies patients with their medication in their home, and serves as a consultant and source of information.

Hospital Pharmacist – provides patients with accurate drug dosages, educates the medical staff on the uses and effects of medications, monitors the patient’s progress and makes appropriate changes in treatment as needed.

Nuclear Pharmacist – specializes in the compounding (mixing), dispensing, quality assurance and development of radiopharmaceuticals (radioactive drugs used for disease diagnosis and treatment).

Nutritional Support Pharmacist – specializes in the care of patients who get nutritional support including parenteral (IV) and enteral (tube feeding) nutrition. A nutritional support pharmacist works with other health care providers to provide the best possible nutritional care by creating and modifying a treatment according to the needs of the patient.

Oncology Pharmacist – promotes optimal care of patients with cancer. Oncology pharmacy specialists work with a team of health care providers to recognize, manage and prevent complications of cancer and cancer treatment. They must understand the balance between increased patient survival and the quality of the patient’s life.

Pharmacotherapist – specializes in pharmacotherapy and is responsible for direct patient care, often working with a team of other health care providers, conducting research and often being the main source of drug information for other health care providers.

Psychiatric Pharmacist – assesses the patient, recommends proper treatment plans, monitors the patient’s response and recognizes drug-induced patients.

Other areas of specialization include biometrics, clinical, compounding, critical care, drug information, geriatric, infectious disease, internal medicine, intravenous drug therapy, law, managed care, neuropharmacology, poison control, transplant immunosuppression pharmacology, and veterinary.

WORK ENVIRONMENT
Pharmacists are employed in a variety of settings, including community pharmacies or drug stores, community and free-standing clinics, hospitals, federal and state government agencies, health maintenance organizations (HMOs), industries, law firms, long-term care settings, pharmacy associations, and trade journals. Pharmacists may work 40-50 hours a week, especially those in private practice. Part-time work is also available.

ANNUAL WAGES
National ................................. $80,538
New York State ........................... $78,894


ACADEMIC REQUIREMENTS
To become a licensed pharmacist, you must graduate from a school or college of pharmacy, which is accredited by the American Council on Pharmaceutical Education, and pass an examination given by the State Board of Pharmacy. The Doctor of Pharmacy (PharmD) degree is the only accredited degree program for new graduates of pharmacy programs. This degree requires six years of full-time college study to complete. Postgraduate training in specialty areas of pharmacy practice (e.g. pediatrics, oncology, cardiology) via residencies and fellowships is available.

PROFESSIONAL ORGANIZATIONS
American Association of Colleges of Pharmacy
American Council on Pharmaceutical Education
American Pharmaceutical Association
American Society of Consultant Pharmacists
American Society of Health-System Pharmacists
National Association of Boards of Pharmacy
National Community Pharmacists Association
New York State Council for Health-system Pharmacists
Pharmacists Society of the State of New York

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Pharmacy see page 54.
New York State Educational Institutions

NEW YORK STATE EDUCATIONAL INSTITUTIONS WITH PROGRAMS IN PHARMACY
(For New York State educational institution address
and phone informations, see Appendix A.)

Albany College of Pharmacy
Long Island University-Brooklyn Campus
Long Island University-Westchester
St John’s University-New York
State University of New York At Buffalo

Source: U.S. Department of Education –
Integrated Postsecondary Education Data System
(www.nces.ed.gov/ipeds/) and the New York State Area
Health Education Center System Data Resource Center,
September 2003.
Public Health

Biostatistician, Environmental Health Specialist, Epidemiologist, Health Educator
Biostatistician, Environmental Health Specialist

Biostatistician

**JOB DESCRIPTION**
Biostatisticians apply mathematics and statistics to the compilation, analysis, and reporting of health-related information. They also play a role in decision-making and strategic planning of health programs. They might estimate what percentage of a certain population is likely to develop a disease, consider the likelihood of disease transmission, and look at data from clinical trails and studies to determine the best method of intervention. Biostatisticians also use their expertise in sampling and hypothesis testing to assist health investigators designing studies. They may specialize in demography or health data systems/vital statistics.

**WORK ENVIRONMENT**
Biostatisticians work for state and federal government agencies, health departments, private industry, and education and research institutions.

**ANNUAL WAGES**
National ...................................... $59,571
New York State ............................ $56,077


**ACADEMIC REQUIREMENTS**
Generally biostatisticians hold either a master’s or doctoral degree. Undergraduate work should include calculus, matrix algebra, computer programming, and a major in statistics. Students with a bachelor’s degree can gain employment, but they must be able to show that they have gained the necessary knowledge and experience to work in public health.

**PROFESSIONAL ORGANIZATIONS**
American Public Health Association
American Statistical Association
For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Public Health see page 58.

Environmental Health Specialist

**JOB DESCRIPTION**
Environmental health specialists plan, develop, implement, and evaluate standards and systems to improve the quality of the physical environment as it affects health. They also manage environmental health problems and promote public awareness of the need to prevent and eliminate environmental health hazards. Environmental health specialists may specialize in food protection, radiological health, environmental health, medicine, sanitation, water quality/resources, air pollution/resources, noise pollution, and toxicology.

**WORK ENVIRONMENT**
Environmental health specialists work in a variety of settings, including public health departments, government agencies, universities, and private industry.

**ANNUAL WAGES**
National ................................. $48,797
New York State .......................... $52,104


**ACADEMIC REQUIREMENTS**
Individuals should start out seeking a bachelor’s degree in a general science. To acquire positions that offer more responsibilities and the possibility of working on leading projects, it is important to have a master’s or doctoral degree in environmental science or a related area.

**PROFESSIONAL ORGANIZATIONS**
American Public Health Association
For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Public Health see page 58.
Epidemiologist

**JOB DESCRIPTION**
Epidemiologists analyze the occurrence and distribution of diseases within a population by determining the possible mode of disease transmission and by examining the efficiency of intervention programs. Epidemiologists may specialize in infectious disease, chronic disease, environmental/occupational, epidemiology, psycho/social epidemiology, health care evaluation, and human genetics.

**WORK ENVIRONMENT**
Epidemiologists work at universities, research institutions, state and federal health agencies, major health organizations, and large corporations. Many epidemiologists are employed by the Centers for Disease Control, where they attempt to analyze and eliminate disease from the population.

**ANNUAL WAGES**
- National .................. $54,538
- New York State .............. $44,325


**ACADEMIC REQUIREMENTS**
Undergraduate preparation for a graduate program in this field would include a bachelor's degree in the health sciences, mathematics, biological science, or behavioral science. A doctoral degree is usually required to be an epidemiologist, and some epidemiologists have an MD degree in addition to holding a master's degree in epidemiology.

**PROFESSIONAL ORGANIZATIONS**
American College of Epidemiology
Council of State and Territorial Epidemiologist
Society for Pediatric and Perinatal Epidemiology
Society of Epidemiologic Research
For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Public Health see page 58.

Health Educator

**JOB DESCRIPTION**
Health educators present information about how to improve health, prevent disease, and modify behaviors to individual patients as well as community groups. Health educators create and write educational materials, conduct meetings, and plan informative programs.

**AREAS OF SPECIALIZATION**
- **School Health Educators** – teach personal hygiene and the impacts of tobacco, alcohol, and drugs.
- **Community Health Educators** – use employers, media, and workshops to send the message of prevention and wellness.
- **Public Health Educators** – work with public health issues as a liaison between governmental agencies and the public.

**ANNUAL WAGES**
- National .................. $37,440
- New York State .............. $37,814


**ACADEMIC REQUIREMENTS**
Health educators must have a bachelor's degree in health education or another health-related subject. Many universities also offer a master's degree in health education. If teaching in the schools, health educators must have a teaching certificate. To be recognized as a Certified Health Education Specialist, health educators must successfully complete a certification examination.

**PROFESSIONAL ORGANIZATIONS**
American Public Health Association
For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Public Health see page 58.
EDUCATIONAL INSTITUTIONS IN NEW YORK STATE FOR PUBLIC HEALTH
(For New York State educational institution address and phone informations, see Appendix A.)

Columbia University in the City of New York
Cornell University Medical College
New York Medical College
Rochester Institute of Technology
State University of New York at Albany
State University of New York at Buffalo
State University of New York College at Cortland
State University of New York Stony Brook
Touro College

Science and Engineering

Anatomist, Biomedical Engineer, Biomedical Equipment Technician, Food Scientist, Health Scientist, Occupational Safety Specialist
Anatomist, Biomedical Engineer

**Anatomist**

**JOB DESCRIPTION**

Anatomists investigate organisms and their structures to discover their form and how they work. Anatomists teach medical, dental, and allied health students about the structure and function of the human body. As researchers, they may be involved in any aspect of biomedical research, from problems at the molecular level to those of the entire body. Their work may involve biomedical imaging as well as the medical fields of neuroanatomical or developmental human anatomy, or the biological fields of anthropology, embryology, genetics, endocrinology and others.

**WORK ENVIRONMENT**

Anatomists work primarily in the classroom of medical colleges and universities or in research laboratories. Some may be employed in hospitals as physicians or work in veterinary clinics and laboratories. It is not unusual for an anatomist to work more than 40 hours a week, depending on the place of employment. They may split their time between the classroom and the laboratory.

**ANNUAL WAGES**

National ......................................$59,218  
New York State  .........................$62,192


**ACADEMIC REQUIREMENTS**

To be a practicing anatomist requires either an MD degree or a PhD. Many anatomists hold doctorate degrees in dental, osteopathic, or veterinary medicine, and most medical, veterinary, and osteopathic training schools have anatomy departments that provide students with instruction and advice on research projects in the field.

**PROFESSIONAL ORGANIZATIONS**

- American Association of Anatomists
- American Association of Clinical Anatomists

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Science and Engineering see page 63.

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**Biomedical Engineer**

**JOB DESCRIPTION**

Biomedical engineers combine their knowledge of science and engineering to design and develop medical equipment and instruments that improve the quality of life of patients. Biomedical engineers have designed devices such as pacemakers, artificial kidneys, heart valves, surgical lasers, and live support equipment. Also, they install, maintain and repair biomedical equipment. Some biomedical engineers teach; others manage laboratories. Biomedical engineers may specialize in bioinstrumentation, biomaterials, biomechanics, clinical engineering, computers, rehabilitation engineering, systems physiology, telemedicine, and teleradiology.

**WORK ENVIRONMENT**

The biomedical engineer may work in a variety of medical and technical settings. Most jobs are in hospitals, industrial manufacturing companies, private and university-level research facilities, medical schools, and the government. Depending upon the work setting, hours may vary, although the 40-hour workweek is a typical option.

**ANNUAL WAGES**

National ......................................$63,669  
New York State  .........................$62,187


**ACADEMIC REQUIREMENTS**

All biomedical engineers have at least a bachelor’s degree in engineering. Many have advanced graduate degrees as well. The doctoral degree is typically required for a teaching or administrative position at the university level. Courses of study include a sound background in mechanical, chemical, or industrial engineering, and specialized biomedical training. Most programs last from four to six years, and all states require biomedical engineers to pass examinations and be licensed.

**PROFESSIONAL ORGANIZATIONS**

- Biomedical Engineering Society
- Junior Engineering Technical Society

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Science and Engineering see page 63.
Biomedical Equipment Technician

**JOB DESCRIPTION**
Biomedical equipment technicians install, operate, repair, and maintain equipment such as X-ray machines, incubators, electronic thermometers, dental equipment, cardiac pressure monitors, and sterilizers. The biomedical equipment technician also instructs other healthcare personnel in the correct use of the equipment and assists in the evaluation of new devices.

**WORK ENVIRONMENT**
Some biomedical equipment technicians work in hospitals and large clinics. Others work on teams with biomedical or clinical engineers, medical personnel and scientists, or for manufacturers of biomedical equipment. These technicians often work a standard 40-hour week, but occasionally are on-call around the clock to attend to emergency situations.

**ANNUAL WAGES**
National ...................................... $37,960
New York State ............................ $39,062

**ACADEMIC REQUIREMENTS**
Biomedical equipment technicians are not required to be certified. Employers may hire individuals who have a background in electronics and train them on the job. However, most prefer graduates of formal biomedical equipment technology programs. Training in these programs usually takes two years at a community college. Certification is available after appropriate training and/or experience from the International Commission for Clinical Engineering and Biomedical Technology.

**PROFESSIONAL ORGANIZATIONS**
Association for the Advancement of Medical Instrumentation
For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Science and Engineering see page 63.

---

Food Scientist

**JOB DESCRIPTION**
Food scientists, also referred to as food technologists and food engineers, apply science to the selection, preservation, processing, packaging, distribution, and use of safe, nutritious, and wholesome food. They may develop new foods or new ways to make them, check the safety of food additives and ingredients, or investigate the effects of processing and packaging methods. Food scientists may assist developing countries suffering from a shortage of nutritious food because of famine, poor sanitation and food preservation, or insufficient processing. They may also serve as researchers dedicated to improving current food science practices or as teachers of food science.

**WORK ENVIRONMENT**
Food scientists are employed throughout the United States in a variety of capacities. Many jobs are available through governmental agencies, such as the Department of Agriculture, Department of Health and Human Services, and even the World Health Organization or United Nations. Most food scientists are employed in private industry and the food manufacturing, processing and distribution sectors. There are many job opportunities in research and academia. The typical workweek is 40 hours for most food scientists, but this may vary by employer or by work setting.

**ANNUAL WAGES**
National ...................................... $49,504
New York State ............................ $47,923

**ACADEMIC REQUIREMENTS**
Most jobs in food science require at least a four-year bachelor’s degree in food science or a related field. Many institutions offer master’s and doctoral level programs for students interested in furthering their education or specializing within food science. Upper level research and teaching positions are often only open to candidates with their doctorate.

**PROFESSIONAL ORGANIZATIONS**
Institute of Food Technologist
For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Science and Engineering see page 63.
Health Scientist

**JOB DESCRIPTION**
The term health scientist refers to all biological, medical, and non-biological scientists who work to promote health and study health issues. These scientists are predominantly researchers, but may also teach or work in an industrial capacity.

**AREAS OF SPECIALIZATION**
- **Biochemists** — study the inherent chemical processes that are responsible for such things as sustaining life, governing metabolism, and controlling reproduction.
- **Botanists** — are biologists who specialize in all forms of plant life, including plant disease, photosynthesis, and plant identification.
- **Chemists** — help develop drugs, sterile synthetic products, and other items that aid the advancement of medicine.
- **Ecologists** — study the relationships between organisms and their environment.
- **Geneticists** — are medical doctors who track genetic disease, study inheritance and multiple births, pioneer genetic testing, and work at the molecular level to map genes and investigate chromosomal abnormalities.
- **Health Physicists** — study the effects of radiation on living things and expose the hazards of nuclear and radioactive waste.
- **Microbiologist** — study microscopic organisms and may specialize in the areas of bacteriology, immunology, microbial physiology, mycology, parasitology, or virology.

**ANNUAL WAGES**
National .......................... $48,797
New York State .................... $52,104

**WORK ENVIRONMENT**
Depending on the specific field in which a health scientist is employed, the work setting will vary. Most health scientists work in laboratories or in academics. Medical scientists may work in hospitals or in the drug industry, and some are licensed medical doctors. Government agencies such as the Department of Agriculture, Department of Health and Human Services, and Centers for Disease Control often hire health scientists. The medical research conducted by health scientists is often of prime interest to voluntary health agencies. While traditional academic or laboratory scientists work standard office hours, those engaged in non-traditional projects may have a modified schedule.

**ACADEMIC REQUIREMENTS**
Virtually every college and university offers bachelor's degree programs in biological or related sciences. While a bachelor's degree qualifies an individual for employment in non-research, technical and assistant capacities, all other positions are generally reserved for those with a master's or doctoral degree. These upper level programs are generally specialized to a single scientific discipline. A master's degree qualifies one to perform applied research or assume jobs at the management level, and all college-level teaching and independent research jobs require a PhD.

**PROFESSIONAL ORGANIZATIONS**
American Association for Clinical Chemistry
American Society of Safety Engineers
National Environmental Health Association

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Science and Engineering see page 63.

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**Occupational Safety Specialist**

**JOB DESCRIPTION**
The broad title of occupational safety specialist includes all occupational health and safety professionals who detect and identify incident-producing or hazardous conditions. They evaluate and communicate the severity of the hazards, and develop systems to control or eliminate them. Occupational health specialists may detect and correct industrial hazards such as radiation or pollution, redesign machinery to protect against worker injury, and investigate on-the-job psychological factors which may threaten employee health. Once a hazard control program is in place, occupational safety and health specialists monitor its effectiveness by observing the modified job site and analyzing statistical data on worker health. These professionals encompass many different occupational groups and job titles, including industrial hygienists, safety engineers, occupational health and safety technologists, and risk managers.

**WORK ENVIRONMENT**
Occupational Safety and Health Specialists work with government agencies, private industry, environmental groups, and labor groups when designing and developing systems for a healthy work environment.

**ANNUAL WAGES**
National .......................... $47,590
New York State .................... $49,962

**ACADEMIC REQUIREMENTS**
Colleges and universities nationwide offer programs that qualify graduates to enter the occupational safety field. At the undergraduate level, students typically seek a degree in science or engineering. While a bachelor's degree may be sufficient for some entry-level positions, a master's degree increases the likelihood of securing a job. Graduate degrees are offered in more specialized fields such as occupational health and/safety technology, safety engineering, and industrial hygiene. There are master's level programs in industrial hygiene that are accredited by the Accreditation Board for Engineering and Technology. The American Board of Industrial Hygiene certifies safety professionals who have completed the necessary training and experience in occupational safety at an advanced level.

**PROFESSIONAL ORGANIZATIONS**
American Industrial Hygiene Association
American Society of Safety Engineers
National Environmental Health Association

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Science and Engineering see page 63.
# New York State Educational Institutions

## New York State Educational Institutions with Programs in Science and Engineering

(For New York State educational institution address and phone informations, see Appendix A.)

- Adelphi University
- Barnard College
- Canisius College
- Clarkson University
- Colgate University
- College of Mount Saint Vincent
- Columbia University in the City of New York
- Concordia College
- Cornell University-Endowed Colleges
- Cornell University-New York State Statutory Colleges
- City University of New York Brooklyn College
- City University of New York City College
- City University of New York College of Staten Island
- City University of New York Graduate School and University Center
- City University of New York Hunter College
- City University of New York Kingsborough Community College
- City University of New York Lehman College
- City University of New York Medgar Evers College
- City University of New York Queens College
- City University of New York York College
- Daemen College
- Dominican College of Blauvelt
- Dowling College
- D’Youville College
- Elmira College
- Erie Community College
- Farmingdale-State University of New York
- Fordham University
- Hamilton College
- Hobart William Smith Colleges
- Hofstra University
- Houghton College
- Iona College
- Ithaca College
- Keuka College
- Le Moyne College
- Long Island University-Brooklyn Campus
- Long Island University-C W Post Campus
- Manhattan College
- Manhattanville College
- Marist College
- Marymount College of Fordham University
- Marymount Manhattan College
- Medaille College
- Mercy College-Main Campus
- Molloy College
- Mount Saint Mary College
- Nazareth College of Rochester
- New York Institute of Technology-Manhattan Campus
- New York Institute of Technology-Old Westbury
- New York Medical College
- New York University
- Niagara University
- Pace University-New York
- Polytechnic University
- Rensselaer Polytechnic Institute
- Roberts Wesleyan College
- Rochester Institute of Technology
- Saint Bonaventure University
- Saint John Fisher College
- Saint Josephs College-Main Campus
- Saint Josephs College-Suffolk Campus
- Saint Thomas Aquinas College
- Siena College
- Skidmore College
- Southampton College of Long Island University
- St Francis College
- St John’s University-New York
- St Lawrence University
- State University of New York at Albany
- State University of New York at Binghampton
- State University of New York at Buffalo
- State University of New York at Stony Brook
- State University of New York College at Brockport
- State University of New York College at Buffalo
- State University of New York College at Cortland
- State University of New York College at Fredonia
- State University of New York College at Geneseo
- State University of New York College at New Paltz
- State University of New York College at Old Westbury
- State University of New York College at Oneonta
- State University of New York College at Oswego
- State University of New York College at Plattsburgh
- State University of New York College at Potsdam
- State University of New York College at Purchase
- State University of New York Health Science Center at Syracuse
- Syracuse University
- Teachers College at Columbia University
- The College of New Rochelle
- The College of Saint Rose
- The Sage Colleges-Albany Campus
- The Sage Colleges-Troy Campus
- Touro College
- Union College
- University of Rochester
- Utica College
- Vassar College
- Wagner College
- Wells College
- Yeshiva University

Therapy

Athletic Trainer, Audiologist, Occupational Therapist, Occupational Therapy Assistant, Physical Therapist, Physical Therapist Assistant, Recreational Therapist, Rehabilitation Counselor, Respiratory Therapist, Speech/Language Pathologist
Athletic Trainer, Audiologist

**Athletic Trainer**

**JOB DESCRIPTION**
Athletic trainers prevent, care for, and treat athletic injuries, following treatment and surgical procedures, as prescribed by the team physician. Trainers give immediate first aid, tape injuries, supervise diets, assist in purchasing and fitting of athletic equipment, and educate athletes about good lifetime health habits. On game day, an athletic trainer may help prepare athletes for competition, recommend that certain players refrain from physical activity, and treat any injuries that may occur during the competition. Kinesiology is a closely related field of study that focuses on human movement and physical activity. Students with a background in kinesiology may seek positions in athletic training, coaching, physical fitness, medicine, and physical therapy.

**WORK ENVIRONMENT**
Athletic trainers work for educational institutions with sports teams, professional team franchises, and sports medicine clinics. High schools, along with colleges and universities, may hire athletic trainers to monitor athletes participating in a wide range of team sports. Professional football, baseball, hockey, and basketball teams almost always have a permanent athletic trainer on staff. Athletic trainers may also see patients while working in a sports medicine clinic supervised by a physician. Other possible places for employment include businesses with athletic training facilities and health clubs. Trainers may work year-round and full-time with high school, college, and professional teams, or may work on a seasonal basis that varies by sport. Sports medicine clinics and health clubs hire athletic trainers on a permanent basis. Typical work hours will vary by employer. For some sports teams, extensive travel may be mandatory.

**ANNUAL WAGES**
- Starting Salary ......................... $32,000
- Overall Average ........................ $45,000


**ACADEMIC REQUIREMENTS**
A bachelor's degree is the minimum formal education required. The National Athletic Trainers Association (NATA) has graduate level programs for those interested in furthering their education. Most employers require that athletic trainers be certified. This involves graduation from an accredited program, fulfillment of internship hours (supervised training and additional coursework), and successful completion of the certification examination offered by the NATA Board of Certification. To practice as an athletic trainer in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

**PROFESSIONAL ORGANIZATIONS**
Commission on Accreditation of Allied Health Education Programs
National Athletic Trainers’ Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Therapy see page 70.

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**Audiologist**

**JOB DESCRIPTION**
Audiologists are professionals specializing in the study of normal and impaired hearing, including the prevention of hearing loss, identification and assessment of hearing problems, and the rehabilitation of people with hearing impairments. Daily duties include conducting ear examinations, training clients in speech and lip reading, measuring noise levels in work settings, and teaching individuals to use hearing aids or other helpful devices. An audiologist sees all types of hearing impaired individuals, from children born with auditory abnormalities to elderly individuals just beginning to adjust to hearing loss. They frequently work with medical specialists, educators, engineers, scientists, and other health professionals.

**WORK ENVIRONMENT**
An audiologist may work in a hospital, physician’s office, or in a speech-language pathology/audiology clinic. They may be hired by home health agencies to assist the elderly or work in schools to help children with learning problems. Some audiologists may choose private practice and open their own office, or contract their services to hospitals, schools, nursing homes, and industrial companies. The majority of audiologists are employed on a full-time basis and work close to 40 hours a week.

**ANNUAL WAGES**
- National .................................. $49,774
- New York State .......................... $58,323


**ACADEMIC REQUIREMENTS**
To become a practicing audiologist requires at least a master's degree and, by the year 2005, a PhD may be mandatory for licensing. Additional requirements include a significant number of hours of clinical work, passing a national examination, and fulfilling a post-graduate requirement of experience in the field. The American Speech-Language-Hearing Association certifies competent individuals by awarding the Certificate of Clinical Competence in Audiology. A PhD is almost always needed for audiology positions in colleges, universities, and some hospitals. To practice as an audiologist in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

Licensed audiologists are required to meet continuing education requirements every three years.

**PROFESSIONAL ORGANIZATIONS**
American Academy of Audiology
American Speech-Language-Hearing Association
New York State Speech-Language-Hearing Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**
For a listing of educational programs in New York State for Therapy see page 70.
Occupational Therapist

**JOB DESCRIPTION**

Occupational therapists (OT) use many techniques to help people learn or re-learn to carry out occupations of daily life, such as eating, dressing, writing, cooking, going to work, being a student and doing the other things people want to do. They work with people whose functioning is impaired by physical or mental illness or injury, old age or developmental disabilities. Occupational therapists evaluate functional skills, train people to do things such as dress or drive a car in a new way, identify barriers to meaningful activities, and help people adapt activities or use adaptive equipment to help their clients achieve self-sufficiency. Occupational therapists often work with other therapists and health professionals as members of a treatment team.

Depending on the employer or the setting in which an occupational therapist works, tasks may also include aiding the growth and development of premature babies; improving learning environments for physically and mentally challenged school children; adapting home environments for people dealing with the effects of stroke, reduced vision or other conditions; analyzing job tasks and equipment to prevent future injuries for an injured worker; and measuring the effectiveness of treatment activities.

**WORK ENVIRONMENT**

Occupational therapists work in a variety of job settings such as public schools, hospitals, mental health centers, nursing homes, physician practices, and home health agencies. With career advancement, occupational therapists may move into management, specialization, teaching, research or private practice positions. A standard work schedule is the 40-hour workweek, yet some occupational therapists, especially those under contract, may work during the evening or on weekends.

**ANNUAL WAGES**

| National | $52,562 |
| New York State | $52,291 |


**ACADEMIC REQUIREMENTS**

A bachelor’s, master’s or doctoral degree in occupational therapy is required to practice in this profession as a Registered Occupational Therapist. This program includes six to nine months of clinical training. Graduates of accredited programs are eligible to take the examination given by the National Board for Certification in Occupational Therapy, Inc. To practice as an occupational therapist in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

**PROFESSIONAL ORGANIZATIONS**

American Occupational Therapy Association
National Board for Certification in Occupational Therapy, Inc.
New York State Occupational Therapy Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Therapy see page 70.

Occupational Therapy Assistant

**JOB DESCRIPTION**

Occupational therapy assistants (OTA) work with patients to complete the treatment regimen set up by occupational therapists. They monitor the patient’s progress and make explicit notes for a report to the therapist. An assistant may recommend changes in treatment or alter the treatment upon the therapist’s orders to do so. On a typical day, an occupational therapy assistant may teach a disabled patient how to get around despite limited mobility, perform routine strengthening or muscle toning exercises, or simply carry out office tasks, such as managing insurance forms and other paperwork.

**WORK ENVIRONMENT**

Occupational therapy assistants also work with individuals in their homes, community centers, rehabilitation hospitals, and nursing homes. In these settings, they help people with traumatic injuries, stroke, Alzheimer’s disease or mental health problems learn to live productive lives through the use of meaningful occupations. A typical workweek is 40 hours and some clients prefer evening and weekend appointments.

**ANNUAL WAGES**

| National | $37,398 |
| New York State | $35,547 |


**ACADEMIC REQUIREMENTS**

Occupational therapy assistants are prepared at community colleges through associate’s degree programs. Graduates of these programs must also pass a national certification examination given by the National Board for Certification in Occupational Therapy, Inc. To practice as an occupational therapy assistant in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.laborstate.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

**PROFESSIONAL ORGANIZATIONS**

American Occupational Therapy Association
National Board for Certification in Occupational Therapy, Inc.
New York State Occupational Therapy Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Therapy see page 70.
**Physical Therapist**

**JOB DESCRIPTION**

Physical therapists (PT) work with people who have been physically disabled by illness, chronic disease or accident, or who are born with a handicapping condition. Treatment may include exercise to improve muscle movement, strength, flexibility and coordination; application of heat, cold, water, or electrical modalities to relieve pain or to change the patient’s condition; therapeutic massage to relieve pain, improve circulation and reduce swelling; and the use of specialized equipment such as wheelchairs, walkers or crutches to restore a patient’s mobility. Physical therapists work with individuals suffering from a wide range of conditions, including multiple sclerosis and cerebral palsy, burn injuries, nerve damage, amputation, stroke and other brain injuries, cardiovascular disease, and arthritis. A physical therapist reviews a patient’s medical history, consults with his or her physician, evaluates the patient’s physical status, and determines a treatment plan and goals for improvement in therapy complete with a timeline to obtain the desired end result.

**WORK ENVIRONMENT**

Physical therapists are employed in hospitals, rehabilitation centers, extended care facilities such as nursing homes, home health agencies, public and private primary or secondary schools, industry, and private practice. Physical therapists with advanced degrees may also teach in a college level program for physical therapists or physical therapist assistants. A 40-hour workweek is typical, often with evening or weekend hours.

**ANNUAL WAGES**

National .........................$57,720
New York State .....................$58,261


**ACADEMIC REQUIREMENTS**

Students must complete a master’s degree in physical therapy from a fully accredited program. Most college programs are accredited by the Commission on the Accreditation of Physical Therapy Education (CAPTE). College programs are currently expanding to require a six-year clinical Doctorate degree in physical therapy (DPT). A master’s degree in physical therapy or related field is almost always required for advanced administrative or other upper level jobs. Physical therapists obtaining an advanced doctoral degree would be able to teach in a professional education program. Because entry into physical therapy programs may be competitive, it is recommended that students focus on obtaining exceptional grades in science, especially biology, chemistry and physics, and perform some volunteer work in the field. All physical therapists must be licensed by the state in which they choose to practice. To practice as a physical therapist in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

**PROFESSIONAL ORGANIZATIONS**

American Physical Therapy Association
New York State Physical Therapy Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Therapy see page 70.

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**Physical Therapist Assistant**

**JOB DESCRIPTION**

Physical therapist assistants (PTA) perform routine treatment procedures, as directed by a physical therapist, and assist them with more complex procedures. An assistant may monitor a patient’s progress on exercise设备; perform massage; provide heat/cold, electrical, and ultrasound modalities; and provide the therapist with a detailed account of all therapeutic sessions. Clerical tasks, supply maintenance, and paperwork are often included among the duties of a physical therapist assistant, but the extent of these assignments will vary from setting to setting.

**WORK ENVIRONMENT**

Physical therapist assistants are employed in hospitals, rehabilitation centers, nursing homes, home health agencies, public and private primary and secondary schools, and private practice physical therapy clinics. They may work full-time or part-time depending upon where they are employed. Daytime and evening work is also available.

**ANNUAL WAGES**

National .........................$36,608
New York State .....................$35,214


**ACADEMIC REQUIREMENTS**

An associate’s degree is required from an accredited school. Course work includes mathematics, anatomy and physiology, biology, chemistry, physics, psychology, and supervised clinical experience. Physical therapist assistants are usually required to become licensed or certified, but requirements vary from state to state. They are also required to be certified in CPR and first aid. To practice as a physical therapist assistant in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

**PROFESSIONAL ORGANIZATIONS**

American Physical Therapy Association
New York State Physical Therapy Association

For professional organization address and phone information see Appendix B.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State for Therapy see page 70.
Recreational Therapist

**JOB DESCRIPTION**

Recreational therapists, also known as therapeutic recreational specialists, individually assess and treat patients using interventions designed to improve a patient's physical, cognitive, emotional, and social functioning. They work to increase patients' independence in life activities as well as reduce or eliminate the effects of illness or disability. Recreational therapists use a variety of activities to help their clients, such as exercise, relaxation techniques, physical activity, social events, behavior modification and management, values clarification, counseling, meditation recreation, and play. A qualified recreational therapist supervises the work of recreational therapy assistants or technicians.

**AREAS OF SPECIALIZATION**

**Art Therapy** - using art to provide a means of communication to mentally and physically impaired people, improving their self-esteem and growth.

**Dance/Movement Therapy** - helping people emotionally and physically via movement or dance, using the interaction between mind and body.

**Music Therapy** - using music to improve a range of learning, behavioral, and physical disorders.

**WORK ENVIRONMENT**

Recreational therapists work in hospitals, nursing homes, residential facilities, behavioral health centers, school systems, adult daycare programs, correctional institutions, and substance abuse centers. They may also be hired by municipalities to oversee community recreation programs. They usually work a 40-hour week, which often includes evenings and weekends.

**ANNUAL WAGES**

<table>
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<tr>
<th>Area</th>
<th>Median Annual Earnings 2003</th>
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<tr>
<td>National</td>
<td>$31,866</td>
</tr>
<tr>
<td>New York State</td>
<td>$39,354</td>
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</table>

Recreational Therapists are also qualified to work as recreational specialists, individually assessing and treating patients using interventions designed to improve a patient's physical, cognitive, emotional, and social functioning. They work to increase patients' independence in life activities as well as reduce or eliminate the effects of illness or disability. Recreational therapists use a variety of activities to help their clients, such as exercise, relaxation techniques, physical activity, social events, behavior modification and management, values clarification, counseling, meditation recreation, and play. A qualified recreational therapist supervises the work of recreational therapy assistants or technicians.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State see page 70.

**ACADEMIC REQUIREMENTS**

A master's degree is required to be a rehabilitation counselor. A bachelor's degree in psychology, education, or rehabilitation counseling is good preparation for the program in rehabilitation counseling. Those who counsel patients in hospitals or rehabilitation centers are typically bachelor's or master's degree social workers (MSW). The educational program at the master's level usually takes two years and covers all aspects of the rehabilitation process, including a practicum in the planning and provision of rehabilitation services. A minimum of 600 hours of supervised clinical experience is required. Certification is available from the Commission on Rehabilitation Counselor Certification based on educational and work experience and completion of an examination.

**PROFESSIONAL ORGANIZATIONS**

For a listing of professional organizations see page 70.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State see page 70.

Rehabilitation Counselor

**JOB DESCRIPTION**

Rehabilitation counselors help people with physical, mental, or social disabilities return to a satisfying and productive life. These counselors assist the disabled to fulfill their full potential. They may counsel them about job opportunities and training availability, assist in job placement, or provide counseling to help the person adjust successfully to the new work situation. A rehabilitation counselor also helps disabled individuals achieve their potential to live independently, and confers often with a patient's family, physician, social worker, occupation therapist, and/or psychologist.

**WORK ENVIRONMENT**

Rehabilitation counselors work in a variety of settings, including state and federal agencies, schools, mental health clinics, nursing homes, correctional centers, substance abuse programs, independent health centers, and insurance agencies. Employers from all areas often hire a rehabilitation counselor. A counselor typically works a 40-hour week.

**ANNUAL WAGES**

<table>
<thead>
<tr>
<th>Area</th>
<th>Median Annual Earnings 2003</th>
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<tr>
<td>National</td>
<td>$26,605</td>
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<tr>
<td>New York State</td>
<td>$29,994</td>
</tr>
</tbody>
</table>

Rehabilitation counselors help people with physical, mental, or social disabilities return to a satisfying and productive life. These counselors assist the disabled to fulfill their full potential. They may counsel them about job opportunities and training availability, assist in job placement, or provide counseling to help the person adjust successfully to the new work situation. A rehabilitation counselor also helps disabled individuals achieve their potential to live independently, and confers often with a patient's family, physician, social worker, occupation therapist, and/or psychologist.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State see page 70.

**ACADEMIC REQUIREMENTS**

Students are required to complete a bachelor's degree in therapeutic recreation from an accredited program. An internship under the supervision of a certified specialist is also required. Rehabilitation therapists who have completed their bachelor's degree and passed a written examination can become certified by the National Council for Therapeutic Recreation Certification.

**PROFESSIONAL ORGANIZATIONS**

For a listing of professional organizations see page 70.

**EDUCATIONAL INSTITUTIONS**

For a listing of educational programs in New York State see page 70.
**Respiratory Therapist**

**JOB DESCRIPTION**
Registered respiratory therapists (RRT) and certified respiratory therapists (CRT) work under a physician’s supervision to treat and care for patients with pulmonary disorders. Patients may suffer from chronic asthma or emphysema, or may be victims of heart attack, stroke, shock, or AIDS. Respiratory therapists care for premature infants with underdeveloped lungs, as well as for the elderly who have increased susceptibility to pulmonary disease. Some common duties of a respiratory therapist include administering oxygen to stimulate or compensate for breathing; measuring lung capacity; monitoring blood concentrations of oxygen, carbon dioxide, and pH level (acidity); and using equipment such as ventilators to maintain a patient’s oxygen supply. Respiratory therapists may administer aerosol medications to patients for inhalation, or position patients in a way, which prevents mucus buildup and lung obstruction. Recently, respiratory therapists have begun to assume the additional duties of cardiopulmonary technologists and may choose to specialize in other specific areas within the profession. Respiratory therapists may also perform administrative or supervisory tasks as they keep accurate patient records and supervise a team of respiratory personnel.

**WORK ENVIRONMENT**
Respiratory therapists may work in hospitals, nursing homes, home health agencies, sleep centers, or private respiratory companies. Respiratory therapists typically work 35 to 40 hours a week, which may include evenings, nights, and weekends.

**ANNUAL WAGES**
- National ..............................................$41,163
- New York State ...............................$48,173

**ACADEMIC REQUIREMENTS**
An associate’s degree or bachelor’s degree is required to practice as a respiratory therapist. This education is sufficient to take the exam to become a certified respiratory therapist. If the student wishes to become a registered respiratory therapist, two more exams must be taken and passed. The National Board of Respiratory Care conducts the certification. Respiratory therapists with the most education and training will typically be given positions in critical rather than general care settings. To practice as a registered respiratory therapist in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

**PROFESSIONAL ORGANIZATIONS**
- American Association for Respiratory Care Committee on Accreditation of Respiratory Care
- National Board for Respiratory Care, Inc.
- New York State Society for Respiratory Care

**EDUCATIONAL INSTITUTIONS**
For educational programs in New York State for Therapy see Appendix 70.

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**Speech/Language Pathologist**

**JOB DESCRIPTION**
Speech/language pathologists are specialists in communication who evaluate and treat individuals with speech, voice, and language disorders. Such problems include difficulties with articulation (pronunciation of the speech sounds), fluency (stuttering), vocal nodules, which result in hoarse/vocal quality and are caused by improper voice use. Speech/language pathologists also work with individuals who have difficulty processing (understanding) spoken or written language and/or formulating (expressing) verbal and/or written language. These professionals also work with individuals who have cleft palates, mental retardation/developmental disabilities, hearing loss or laryngectomy (surgical removal of the voice box). Children with speech/language delays and/or language learning difficulties (auditory processing deficits) work with speech/language pathologists. Speech/language pathologists work closely with hearing specialists (audiologists) to treat children and adults whose hearing problems affect their communication skills. In medical settings, speech pathologists also work with individuals that have difficulty swallowing.

**WORK ENVIRONMENT**
Speech/language pathologists are employed in a variety of work settings including schools and early childhood intervention programs, hospitals, speech/language pathology and audiology offices, nursing homes, home care agencies, and rehabilitation centers. Others may choose to enter private solo or group practice and recruit their own group of clients. A typical working day lasts from nine-to-five. Part-time work is also available.

**ANNUAL WAGES**
- National ..............................................$50,045
- New York State ...............................$53,114

**ACADEMIC REQUIREMENTS**
To become a practicing speech language pathologist generally requires a master’s degree from an institution accredited by the American Speech/Language/Hearing Association (ASHA). Those with a bachelor’s degree in Speech/Language Pathology or communications may work in some schools, but a master’s degree is needed for most positions. The ASHA awards the Certificate of Clinical Competence to all pathologists who meet their strict requirements, which includes completion of coursework, clinical fellowship, and passing the national examination in the specialty that is sought. To practice as a speech/language pathologist in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ny/employer_responsibilities/olcny/menu.htm.

**PROFESSIONAL ORGANIZATIONS**
- American Speech-Language-Hearing Association
- New York State Speech-Language-Hearing Association

**EDUCATIONAL INSTITUTIONS**
For educational programs in New York State for Therapy see Appendix 70.
NEW YORK STATE EDUCATIONAL INSTITUTIONS WITH PROGRAMS IN THERAPY
(For New York State educational institution address and phone information, see Appendix A.)

Adelphi University
Adirondack Community College
Broome Community College
Columbia University in the City of New York
Cornell University Medical College
City University of New York Borough of Manhattan Community College
City University of New York Brooklyn College
City University of New York City College
City University of New York College of Staten Island
City University of New York Graduate School and University Center
City University of New York Hunter College
City University of New York Kingsborough Community College
City University of New York La Guardia Community College
City University of New York Lehman College
City University of New York Queens College
Daemen College
Dominican College of Blauvelt
D’Youville College
Elmira College
Erie Community College-North Campus
Genesee Community College
Herkimer County Community College
Hofstra University
Hudson Valley Community College
Iona College
Ithaca College
Jamestown Community College
Keuka College
Long Island University-Brooklyn Campus
Marist College of Albany
Marymount Manhattan College
Mercy College-Main Campus
Mohawk Valley Community College-Utica Branch
Molloy College
Nassau Community College
Nazareth College of Rochester
New York Institute of Technology-Old Westbury
New York Medical College
New York University
Niagara County Community College
Onondaga Community College
Orange County Community College
Pace University-New York
Rochester Institute of Technology
Rockland Community College
St John’s University-New York
St Vincent’s Catholic Medical Centers of New York
Suffolk County Community College-Ammerman Campus
Suffolk County Community College-Western Campus
State University of New York at Buffalo
State University of New York at Stony Brook
State University of New York College at Cortland
State University of New York College at Fredonia
State University of New York College at Geneseo
State University of New York College at Plattsburgh
State University of New York College of Technology at Canton
State University of New York Health Science Center at Brooklyn
State University of New York Health Science Center at Syracuse
State University of New York Westchester Community College
Syracuse University
The College of Saint Rose
The Sage Colleges-Albany Campus
The Sage Colleges-Troy Campus
Touro College
Utica College of Syracuse University
Villa Maria College Buffalo
Wagner College
Wood Tobe-Coburn School
Yeshiva University

Vision

Ophthalmic Assistant/Technician/Technologist,
Optician, Optometrist
Ophthalmic Assistant/Technician/Technologist

JOB DESCRIPTION
Ophthalmic assistants, ophthalmic technicians, and ophthalmic technologists assist the medical doctors who specialize in eye care (ophthalmologists). Assistants perform routine procedures such as vision testing, obtaining patient histories, changing eye dressings, and administering eye medications. Technicians perform more advanced technical procedures, such as taking optical measurements or external ophthalmic photographs, and providing limited assistance to the ophthalmologist during surgery. Ophthalmic technologists are the most highly trained ophthalmic medical personnel. They perform procedures requiring advanced technical skill and theoretical knowledge and must be familiar with sophisticated instruments and surgical procedures.

WORK ENVIRONMENT
Most ophthalmic medical personnel are employed in hospitals, medical centers, and offices of ophthalmologists. Some may be employed in research laboratories or in the armed forces. Typically, assistants, technicians and technologists work a standard 40-hour workweek and may put in overtime or extended hours as needed.

ANNUAL WAGES
Starting salary $35,000
Overall average $41,000

ACADEMIC REQUIREMENTS
A high school diploma is necessary for all certifications along with an approved training program or home study course. Assistants and technicians are often trained on the job. Certification is awarded by the Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO) for the titles of Certified Ophthalmic Assistant, Certified Ophthalmic Technician and Certified Ophthalmic Medical Technologist. They also offer a subspecialty of ophthalmic surgical assisting, but you must be certified in one of the other three to apply.

PROFESSIONAL ORGANIZATIONS
American Academy of Ophthalmology
Joint Commission on Allied Health Personnel in Ophthalmology

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Vision see page 74.

Optician

JOB DESCRIPTION
An optician accurately interprets and executes prescriptions for the fitting of eyeglasses and contact lenses. Working with the prescription provided by an ophthalmologist or optometrist, the optician measures the patient’s facial contours to determine size, shape and specifications of lenses, frames, and contact lenses; prepares the work orders for the laboratory technicians who will grind the lenses and fabricated eye wear; verifies the quality of the finished ophthalmic products; adjusts the lenses and/or frames to the patient’s face and eyes; and instructs the patient how to insert, remove and care for contact lenses. Opticians also repair eyewear and replace lost or damaged lenses or parts.

WORK ENVIRONMENT
Opticians usually work in the retail trade, such as optical goods stores, selling lenses and frames. Others are employed by eyewear manufacturer laboratories, optometrists, ophthalmologists, health maintenance organizations (HMOs), or self-employed in private practice. They can work part- or full-time and may work evenings and weekends.

ANNUAL WAGES
National $26,354
New York State $43,971

ACADEMIC REQUIREMENTS
An associate’s degree from a two-year college or an apprenticeship program lasting from two to five years is required. Licensure is required in New York State. To become a licensed optician in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.laborstate.ny.us/business_ny/employer_responsibilities/olcm/menu.htm.

Certification, which must be renewed every three years, can be applied for through the American Board of Opticianry and the National Contact Lens Examiners.

PROFESSIONAL ORGANIZATIONS
American Board of Opticianry
Commission on Opticiany Accreditation
Contact Lens Society of America
New York State Society of Opticians, Inc.

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Vision see page 74.
Optometrists

JOB DESCRIPTIONS
Optometrists, or Doctors of Optometry (OD), are independent primary doctoral-level health care providers who specialize in the examination, diagnosis, treatment, and management of diseases and disorders of the eye and visual system. They treat the eye and its associated structures, as well as diagnose related systemic conditions. As health care professionals, in addition to treating diseases and conditions of the eye and associated structures, optometrists regularly identify signs of disease of the body, and when appropriate, work with other health professionals in co-managing the care of patients. Optometrists provide vision care by prescribing ophthalmic lenses, contact lenses, other optical aides, vision therapy, and low vision rehabilitation as indicated. Optometrists provide primary and medical eye care and are authorized to use and prescribe drugs in the diagnosis and treatment of eye problems or diseases in all 50 states. Private practitioners must also assume the administrative duties of running a business.

WORK ENVIRONMENT
The vast majority of optometrists are self-employed and in private practice. Some optometrists may typically work as a salaried employee in a private practice of another optometrist or an ophthalmologist, health maintenance organization (HMO), retail store, as a consultant, or in public health. They may work as a college instructor or in research. Optometrists generally work at least 40-hour weeks and may also work evenings and weekends. They must be available or arrange coverage to treat patients on an emergency after hours basis.

ANNUAL WAGES
National ......................................$85,426
New York State ............................$67,226


ACADEMIC REQUIREMENTS
To earn the title of Doctor of Optometry, one must complete a four-year graduate-level professional program at an accredited school of optometry. These schools require applicants to have completed at least three years of undergraduate training in addition to taking the Optometry Admissions Test. Competition for the limited spaces in these programs is strong, and a good academic background is important. All 50 states and the District of Columbia require applicants for licensure to have completed the three-part national licensing exam series administered by the National Board of Examiners in Optometry. At this time, 11 states (but not including New York) also give candidates for licensure a state optometry board-administered exam in addition to requiring the national Boards. To become licensed as an optometrist in New York State, individuals must meet New York State licensing requirements. Detailed information for New York State licensing requirements can be found online at: www.labor.state.ny.us/business_ry/employer_responsibilities/olcny/menu.htm.

Graduates may seek one year of advanced post-graduate study residencies in family practice optometry, pediatric optometry, geriatric optometry, vision therapy, cornea and contact lenses, hospital-based optometry, primary eye care, ocular disease, low vision rehabilitation, or refractive and ocular surgery. Those seeking research or teaching positions may enter master or PhD programs, which emphasize visual science.

PROFESSIONAL ORGANIZATIONS
American Optometric Association
Association of Regulatory Boards of Optometry
Association of Schools and Colleges of Optometry
National Board of Examiners in Optometry
New York State Optometric Association

For professional organization address and phone information see Appendix B.

EDUCATIONAL INSTITUTIONS
For a listing of educational programs in New York State for Vision see page 74.
New York State Educational Institutions

NEW YORK STATE EDUCATIONAL INSTITUTIONS WITH PROGRAMS IN VISION
(For New York State educational institution address and phone informations, see Appendix A.)

City University of New York New York City Technical College
Erie Community College-North Campus
Interboro Institute
Monroe Community College
Rochester Institute of Technology
Suffolk County Community College-Western Campus
State University of New York College of Optometry

APPENDIX A

New York State Educational Institutions

ADELPHI UNIVERSITY
South Avenue
Garden City, NY 11530
(800) 233-5744
www.adelphi.edu

ADIRONDACK COMMUNITY COLLEGE
640 Bay Road
Queensbury, NY 12804
(518) 743-2200
www.sunyacc.edu

ADULT PRACTICAL NURSING-ALBANY BOCES
1015 Watervliet Shaker Road
Albany, NY 12205
(518) 456-9253
www.universities.com/Schools/A/Adult_Practical_Nursing_Albany_Boces.asp

ALBANY COLLEGE OF PHARMACY
106 New Scotland Avenue
Albany, NY 12208
(518) 445-7200
www.acp.edu

ALBANY MEDICAL COLLEGE
47 New Scotland Avenue
Albany, NY 12208
(518) 262-5582
www.amc.edu

ALFRED UNIVERSITY
One Saxon Drive
Alfred, NY 14802
(607) 871-2111
www.alfred.edu

ALLEN SCHOOL – BROOKLYN
188 Montague Street
Brooklyn, NY 11201
(718) 243-1700
www.allenschool.edu

ALLEN SCHOOL – JAMAICA
163-18 Jamaica Avenue
Jamaica, NY 11432
(718) 291-2200
www.allenschool.edu

AMERICAN CENTER FOR CAREER TRAINING
500 8th Avenue 9th Floor
New York, NY 10018
(212) 273-9760

ARNOT – OGDEN MEDICAL CENTER SCHOOL OF NURSING
600 Roe Avenue
Elmira, NY 14905
(607) 737-4289
www.aomc.org

ASA INSTITUTE OF BUSINESS AND COMPUTER TECHNOLOGY
151 Lawrence Street 2nd Floor
Brooklyn, NY 11201
(718) 522-9073
www.asa.edu

BARNARD COLLEGE
3009 Broadway
New York, NY 10027
(212) 854-5262
www.barnard.columbia.edu

BELLEVUE HOSPITAL CENTER SCHOOL OF RADIOLOGIC TECHNOLOGY
First Avenue and 27th Street Room D510
New York, NY 10016
(212) 562-4895

BROOME COMMUNITY COLLEGE
Po Box 1017
Binghamton, NY 13902
(607) 778-5000
www.sunybroome.edu

BROOME-DELAWARE-TIOGA BOCES PROGRAM PRACTICAL NURSING
435 Glenwood Road
Binghamton, NY 13905
(607) 763-3212

BRYANT AND STRATTON BUSINESS INSTITUTE – ROCHESTER
150 Bellwood Drive
Rochester, NY 14606
(585) 720-0660
www.bryantstratton.edu

BRYANT AND STRATTON BUSINESS INSTITUTE – MAIN SYRACUSE
953 James Street
Syracuse, NY 13203
(315) 472-6603
www.bryantstratton.edu

BUFFALO VOCATIONAL TECHNICAL CENTER – PRACTICAL NURSING
820 Northhampton Street
Buffalo, NY 14211
(716) 897-8108

CALIBER TRAINING INSTITUTE
500 8th Avenue
New York, NY 10018
(212) 564-0500
www.caliberbny.com

CANISIUS COLLEGE
2001 Main Street
Buffalo, NY 14208
(716) 883-7000
www.canisius.edu

CATARARAGUS COUNTY BOCES SCHOOL OF PRACTICAL NURSING
1825 Windfall Road
Olean, NY 14760
(716) 376-8200
www.caew-boces.wnyric.org

CAYUGA COUNTY COMMUNITY COLLEGE
Franklin Street
Auburn, NY 13021
(315) 253-1743
www.cayuga-cc.edu

CAYUGA ONONDAGA BOCES
5980 S Street Road
Auburn, NY 13021
(315) 253-0361 x176
<table>
<thead>
<tr>
<th>New York State Educational Institutions</th>
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<tbody>
<tr>
<td><strong>CENTER FOR EMPLOYMENT TRAINING – BRONX</strong></td>
</tr>
<tr>
<td>1071 E Tremont Avenue</td>
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<tr>
<td>Bronx, NY 10460</td>
</tr>
<tr>
<td>(408) 287-7924</td>
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</table>

| **CLARKSON UNIVERSITY** |
| P.O. Box 5605 |
| Potsdam, NY 13699 |
| (800) 527-6577 |
| www.clarkson.edu |

| **CLINTON COMMUNITY COLLEGE** |
| 136 Clinton Point Drive |
| Plattsburgh, NY 12901 |
| (800) 552-1160 |
| www.clinton.edu |

| **CLINTON-ESSEX-WARREN-WASHINGTON BOCES PRACTICAL NURSING** |
| P.O. Box 45 |
| Plattsburgh, NY 12901 |
| (518) 561-0100 |
| www.cves.org |

| **COCHRAN SCHOOL OF NURSING** |
| 967 N Broadway Andrus Pavillon St. Johns Riverside Yonkers, NY 10701 |
| (914) 964-4558 |
| www.riversidehealth.org |

| **COLGATE UNIVERSITY** |
| 13 Oak Drive |
| Hamilton, NY 13346 |
| (315) 228-1000 |
| www.colgate.edu |

| **COLLEGE OF MOUNT SAINT VINCENT** |
| 6301 Riverdale Avenue |
| Bronx, NY 10471 |
| (718) 405-3200 |
| www.cmsv.edu |

| **COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** |
| 116 Street And Broadway |
| New York, NY 10027 |
| (212) 854-1754 |
| www.columbia.edu |

| **COLUMBIA-GREENE COMMUNITY COLLEGE** |
| 4400 Route 23 |
| Hudson, NY 12534 |
| (518) 828-4181 |
| www.sunygcc.edu |

| **CONCORDIA COLLEGE** |
| 171 White Plains Road |
| Bronxville, NY 10708 |
| (914) 337-9300 |
| www.concordia-ny.edu |

| **CORNELL UNIVERSITY MEDICAL COLLEGE** |
| 1300 York Avenue |
| New York, NY 10021 |
| (212) 746-5454 |
| www.med.cornell.edu |

| **CORNELL UNIVERSITY – ENDOWED COLLEGES** |
| Day Hall Lobby |
| Ithaca, NY 14853 |
| (607) 255-2000 |
| www.cornell.edu |

| **CORNELL UNIVERSITY – NEW YORK STATE STATUTORY COLLEGES** |
| Ithaca, NY 14853 |
| (607) 255-2000 |
| www.cornell.edu |

| **CORNING COMMUNITY COLLEGE** |
| 1 Academic Drive |
| Corning, NY 14830 |
| (607) 962-9011 |
| www.cornell.edu |

| **CROUSE HOSPITAL SCHOOL OF NURSING** |
| 736 Irving Avenue |
| Syracuse, NY 13210 |
| (315) 470-7481 |
| www.crosh.org/nursing |

| **CITY UNIVERSITY OF NEW YORK BROOKLYN COLLEGE** |
| 2900 Bedford Avenue |
| New York, NY 11210 |
| (718) 951-5000 |
| www.brooklyn.cuny.edu |

| **CITY UNIVERSITY OF NEW YORK CITY COLLEGE** |
| 160 Convent Avenue |
| New York, NY 10031 |
| (212) 650-7000 |
| www.ccity.cuny.edu |

| **CITY UNIVERSITY OF NEW YORK COLLEGE OF STATEN ISLAND** |
| 2800 Victory Boulevard |
| Staten Island, NY 10314 |
| (718) 982-2000 |
| www.csi.cuny.edu |

| **CITY UNIVERSITY OF NEW YORK GRADUATE SCHOOL AND UNIVERSITY CENTER** |
| 365 Fifth Avenue |
| New York, NY 10016 |
| (212) 449-1600 |
| www.gc.cuny.edu |

| **CITY UNIVERSITY OF NEW YORK HOSTOS COMMUNITY COLLEGE** |
| 500 Grand Concourse |
| Bronx, NY 10451 |
| (718) 518-4444 |
| www.hostos.cuny.edu |

| **CITY UNIVERSITY OF NEW YORK HUNTER COLLEGE** |
| 695 Park Avenue |
| New York, NY 10021 |
| (212) 772-4000 |
| www.hunter.cuny.edu |

| **CITY UNIVERSITY OF NEW YORK JOHN JAY COLLEGE CRIMINAL JUSTICE** |
| 899 Tenth Avenue |
| New York, NY 10019 |
| (212) 237-8000 |
| www.jjay.cuny.edu |

| **CITY UNIVERSITY OF NEW YORK KINGSBOROUGH COMMUNITY COLLEGE** |
| 2001 Oriental Boulevard |
| Brooklyn, NY 11235 |
| (718) 368-5000 |
| www.kingsborough.edu |
## AppENDIX A

### New York State Educational Institutions

<table>
<thead>
<tr>
<th>Institution Name</th>
<th>Address</th>
<th>City</th>
<th>Phone Number</th>
<th>Website Link</th>
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<tbody>
<tr>
<td><strong>City University of New York</strong></td>
<td></td>
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</tr>
<tr>
<td>La Guardia Community College</td>
<td>31-10 Thomson Avenue</td>
<td>Long Island City, NY 11101</td>
<td>(718) 482-5000</td>
<td><a href="http://www.lagcc.cuny.edu">www.lagcc.cuny.edu</a></td>
</tr>
<tr>
<td>City University of New York Lehman College</td>
<td>Bedford Park Boulevard W</td>
<td>Bronx, NY 10468</td>
<td>(212) 960-8000</td>
<td><a href="http://www.lehman.cuny.edu">www.lehman.cuny.edu</a></td>
</tr>
<tr>
<td>City University of New York Medgar Evers College</td>
<td>1650 Bedford Avenue</td>
<td>Brooklyn, NY 11225</td>
<td>(718) 270-4900</td>
<td><a href="http://www.mec.cuny.edu">www.mec.cuny.edu</a></td>
</tr>
<tr>
<td>City University of New York New York City Technical College</td>
<td>300 Jay Street</td>
<td>Brooklyn, NY 11201</td>
<td>(718) 260-5000</td>
<td><a href="http://www.nycitytech.cuny.edu">www.nycitytech.cuny.edu</a></td>
</tr>
<tr>
<td>City University of New York Queens College</td>
<td>65 30 Kissena Boulevard</td>
<td>Flushing, NY 11367</td>
<td>(718) 997-5000</td>
<td><a href="http://www.qc.edu">www.qc.edu</a></td>
</tr>
<tr>
<td>City University of New York Queensborough Community College</td>
<td>56th Avenue Springfield Boulevard</td>
<td>New York, NY 11364</td>
<td>(718) 631-6262</td>
<td><a href="http://www.qcboces.cuny.edu">www.qcboces.cuny.edu</a></td>
</tr>
<tr>
<td>City University of New York York College</td>
<td>94-20 Guy R Brewer Boulevard</td>
<td>Jamaica, NY 11451</td>
<td>(718) 262-2000</td>
<td><a href="http://www.york.cuny.edu">www.york.cuny.edu</a></td>
</tr>
<tr>
<td>CVPH Medical Center School of Radiologic Technology</td>
<td>75 Beekman Street</td>
<td>Plattsburgh, NY 12901</td>
<td>(518) 562-7510</td>
<td></td>
</tr>
<tr>
<td>Daemen College</td>
<td>4580 Main Street</td>
<td>Amherst, NY 14226</td>
<td>(716) 839-3600</td>
<td><a href="http://www.daemen.edu">www.daemen.edu</a></td>
</tr>
<tr>
<td>Delaware Chenaio Madison Ostego Boces</td>
<td>6678 County Road 32</td>
<td>Norwich, NY 13815</td>
<td>(607) 335-1245</td>
<td></td>
</tr>
<tr>
<td>Dominican College of Blauvelt</td>
<td>Western Highway 470</td>
<td>Orangeburg, NY 10962</td>
<td>(845) 359-7800</td>
<td><a href="http://www.dc.edu">www.dc.edu</a></td>
</tr>
<tr>
<td>Dorothea Hopfer School of Nursing – Mt. Vernon Hospital</td>
<td>53 Valentine Street</td>
<td>Mt. Vernon, NY 10550</td>
<td>(914) 664-8000 x3221</td>
<td><a href="http://www.slsmv.org/nursing/Hopfer">www.slsmv.org/nursing/Hopfer</a></td>
</tr>
<tr>
<td>Dover Technical School</td>
<td>3075 Veterans Memorial Hwy</td>
<td>Ronkonkoma, NY 11779</td>
<td>(516) 471-9100</td>
<td></td>
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<tr>
<td>Dowling College</td>
<td>Idle Hour Boulevard</td>
<td>Oakland, NY 11769</td>
<td>(516) 244-3000</td>
<td><a href="http://www.dowling.edu">www.dowling.edu</a></td>
</tr>
<tr>
<td>Dutchess Boces School of Practical Nursing</td>
<td>5 Boces Road</td>
<td>Poughkeepsie, NY 12601</td>
<td>(845) 486-8001</td>
<td></td>
</tr>
<tr>
<td>Dutchess Community College</td>
<td>53 Pendell Road</td>
<td>Poughkeepsie, NY 12601</td>
<td>(914) 431-8000</td>
<td><a href="http://www.sunydutchess.edu">www.sunydutchess.edu</a></td>
</tr>
<tr>
<td>D’yville College</td>
<td>320 Porter Avenue</td>
<td>Buffalo, NY 14201</td>
<td>(716) 881-3200</td>
<td><a href="http://www.dyc.edu">www.dyc.edu</a></td>
</tr>
<tr>
<td>Eastern-Suffolk School of Practical Nursing Boces</td>
<td>201 Sunrise Highway</td>
<td>Patchogue, NY 11772</td>
<td>(631) 286-2400</td>
<td><a href="http://www.esboces.org/aev">www.esboces.org/aev</a></td>
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<tr>
<td>Ellis Hospital School of Nursing</td>
<td>1101 Nott Street</td>
<td>Schenectady, NY 12308</td>
<td>(518) 243-4471</td>
<td><a href="http://www.elson.org">www.elson.org</a></td>
</tr>
<tr>
<td>Elmira College</td>
<td>One Park Place</td>
<td>Elmira, NY 14901</td>
<td>(607) 735-1800</td>
<td><a href="http://www.elmira.edu">www.elmira.edu</a></td>
</tr>
<tr>
<td>Erie Community College – City Campus</td>
<td>121 Ellicott Street</td>
<td>Buffalo, NY 14203</td>
<td>(716) 842-2770</td>
<td><a href="http://www.ecce.edu">www.ecce.edu</a></td>
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<tr>
<td>Erie Community College – North Campus</td>
<td>6205 Main Street</td>
<td>Williamsville, NY 14221</td>
<td>(716) 634-0800</td>
<td><a href="http://www.ecc.edu">www.ecc.edu</a></td>
</tr>
<tr>
<td>Erie Community College – South Campus</td>
<td>4140 Southwestern Boulevard</td>
<td>Orchard Park, NY 14127</td>
<td>(716) 648-5400</td>
<td><a href="http://www.ecc.edu">www.ecc.edu</a></td>
</tr>
<tr>
<td>Erie II Chautauqua-Cattaragus Boces</td>
<td>8685 Erie Road</td>
<td>Angola, NY 14006</td>
<td>(800) 228-1184</td>
<td><a href="http://www.e2cboces.wnyric.org">www.e2cboces.wnyric.org</a></td>
</tr>
<tr>
<td>Excelsior College</td>
<td>7 Columbia Circle</td>
<td>Albany, NY 12203</td>
<td>(518) 464-8500</td>
<td><a href="http://www.excelboces.edu">www.excelboces.edu</a></td>
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<tr>
<td>Faxton-St. Luke’s Healthcare School of Radiologic Technology</td>
<td>Champlin Road</td>
<td>Utica, NY 13503</td>
<td>(315) 798-6156</td>
<td><a href="http://www.mvnhealth.com">www.mvnhealth.com</a></td>
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### New York State Educational Institutions

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<th>Institution</th>
<th>Address</th>
<th>City, State Zip Code</th>
<th>Phone Number(s)</th>
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<tr>
<td>Federation Employment Guidance Service Trades and Business School</td>
<td>199 Jay Street, Brooklyn, NY 11201</td>
<td>(212) 366-8466</td>
<td><a href="http://www.fegs.org">www.fegs.org</a></td>
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<tr>
<td>Finger Lakes Community College</td>
<td>4355 Lake Shore Drive, Canandaigua, NY 14424</td>
<td>(585) 394-3522</td>
<td><a href="http://www.fingerlakes.edu">www.fingerlakes.edu</a></td>
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<tr>
<td>Fordham University</td>
<td>441 E Fordham Road, Bronx, NY 10458</td>
<td>(718) 817-1000</td>
<td><a href="http://www.fordham.edu">www.fordham.edu</a></td>
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<tr>
<td>Franklin Career Institute</td>
<td>91 N Franklin Street, Hempstead, NY 11550</td>
<td>(516) 679-1616</td>
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<tr>
<td>Fulton-Montgomery Community College</td>
<td>2805 Street Hwy 67, Johnstown, NY 12095</td>
<td>(518) 762-4651</td>
<td>fmcc.suny.edu</td>
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<tr>
<td>Genesee Community College</td>
<td>One College Road, Batavia, NY 14020</td>
<td>(585) 343-0055</td>
<td><a href="http://www.genesee.edu">www.genesee.edu</a></td>
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<tr>
<td>Genesee Valley Boces</td>
<td>Adult Education Office, 8250 State Street Road, Batavia, NY 14020</td>
<td>(585) 344-7900</td>
<td><a href="http://www.gvboces.org">www.gvboces.org</a></td>
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<td>Grace Institute of Business Technology</td>
<td>1090 Coney Island Avenue, Brooklyn, NY 11230</td>
<td>(718) 859-3900</td>
<td><a href="http://www.gibt.org">www.gibt.org</a></td>
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<tr>
<td>Hamilton College</td>
<td>198 College Hill Road, Clinton, NY 13323</td>
<td>(315) 859-4011</td>
<td><a href="http://www.hamilton.edu">www.hamilton.edu</a></td>
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<td>Hamilton-Fulton-Montgomery Boces</td>
<td>212 Co Hwy 103, Johnstown, NY 12095</td>
<td>(518) 762-4633</td>
<td><a href="http://www.hfmboces.org">www.hfmboces.org</a></td>
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<td>Hartwick College</td>
<td>West Street, Oneonta, NY 13820</td>
<td>(607) 431-4000</td>
<td><a href="http://www.hartwick.edu">www.hartwick.edu</a></td>
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<tr>
<td>Helene Fuld College of Nursing</td>
<td>26 East 120th Street, New York, NY 10035</td>
<td>(212) 825-2700</td>
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<tr>
<td>Herkimer County Boces Practical Nursing Program</td>
<td>352 Gros Boulevard, Herkimer, NY 13350</td>
<td>(315) 867-2040</td>
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<tr>
<td>Herkimer County Community College</td>
<td>Reservoir Road, Herkimer, NY 13350</td>
<td>(315) 866-0990</td>
<td><a href="http://www.hcctc.nctcnet.com">www.hcctc.nctcnet.com</a></td>
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<tr>
<td>Hildbert College</td>
<td>5200 S Park Avenue, Hamburg, NY 14075</td>
<td>(716) 649-7900</td>
<td><a href="http://www.hilbert.edu">www.hilbert.edu</a></td>
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<tr>
<td>Hofstra University</td>
<td>1000 Hempstead Turnpike, Hempstead, NY 11549</td>
<td>(516) 465-6600</td>
<td><a href="http://www.hofstra.edu">www.hofstra.edu</a></td>
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<tr>
<td>Houghton College</td>
<td>1 Willard Avenue, Houghton, NY 14744</td>
<td>(716) 567-9200</td>
<td><a href="http://www.houghton.edu">www.houghton.edu</a></td>
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<tr>
<td>Interboro Institute</td>
<td>450 W 56th Street, New York, NY 10019</td>
<td>(212) 399-0091</td>
<td><a href="http://www.interboro.edu">www.interboro.edu</a></td>
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<tr>
<td>Ithaca College</td>
<td>953 Danby Road, Ithaca, NY 14850</td>
<td>(607) 274-3011</td>
<td><a href="http://www.ithaca.edu">www.ithaca.edu</a></td>
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<tr>
<td>Jefferson Community College</td>
<td>Outer Coffeen Street, Watertown, NY 13501</td>
<td>(315) 786-2200</td>
<td><a href="http://www.sunyjcc.edu">www.sunyjcc.edu</a></td>
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<tr>
<td>Jefferson-Lewis Boces Program of Practical Nursing</td>
<td>20104 State Route 3, Watertown, NY 13601</td>
<td>(800) 356-4556</td>
<td><a href="http://www.boces.com/">www.boces.com/</a> jlboces</td>
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<tr>
<td>Keuka College</td>
<td>Keuka Park, NY 14478</td>
<td>(800) 353-3852</td>
<td><a href="http://www.keuka.edu">www.keuka.edu</a></td>
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## New York State Educational Institutions

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<th>Institution Name</th>
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<tr>
<td><strong>LE MOYNE COLLEGE</strong></td>
<td>1419 Salt Springs Road, Syracuse, NY 13214</td>
<td>(315) 445-4100</td>
<td><a href="http://www.lemyoyn.edu">www.lemyoyn.edu</a></td>
</tr>
<tr>
<td><strong>LONG ISLAND BUSINESS INSTITUTE</strong></td>
<td>6500 Jericho Tpk, Commack, NY 11725</td>
<td>(631) 499-7100</td>
<td><a href="http://www.libinstitute.com">www.libinstitute.com</a></td>
</tr>
<tr>
<td><strong>LONG ISLAND COLLEGE HOSPITAL SCHOOL OF NURSING</strong></td>
<td>397 Hicks Street, Brooklyn, NY 11201</td>
<td>(718) 780-1953</td>
<td><a href="http://www.albany.net/~orchard/lich.html">www.albany.net/~orchard/lich.html</a></td>
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<td><strong>LONG ISLAND COLLEGE HOSPITAL SCHOOL OF RADIOLOGY</strong></td>
<td>339 Hicks Street, Brooklyn, NY 11201</td>
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<tr>
<td><strong>LONG ISLAND UNIVERSITY – BRENTWOOD</strong></td>
<td>100 Second Avenue, Brentwood, NY 11717</td>
<td>(516) 273-5112</td>
<td><a href="http://www.liu.edu">www.liu.edu</a></td>
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<tr>
<td><strong>LONG ISLAND UNIVERSITY – BROOKLYN CAMPUS</strong></td>
<td>University Plaza, Brooklyn, NY 11201</td>
<td>(718) 488-1000</td>
<td><a href="http://www.liu.edu">www.liu.edu</a></td>
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<tr>
<td><strong>LONG ISLAND UNIVERSITY – C W POST CAMPUS</strong></td>
<td>720 Northern Boulevard, Brookville, NY 11548</td>
<td>(516) 299-2900</td>
<td><a href="http://www.liu.edu">www.liu.edu</a></td>
</tr>
<tr>
<td><strong>LONG ISLAND UNIVERSITY – ROCKLAND CAMPUS</strong></td>
<td>70 Route 340, Orangeburg, NY 10962</td>
<td>(914) 359-7200</td>
<td><a href="http://www.liu.edu">www.liu.edu</a></td>
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<tr>
<td><strong>LONG ISLAND UNIVERSITY – SOUTHAMPTON COLLEGE</strong></td>
<td>239 Montauk Highway, Southampton, NY 11968</td>
<td>(516) 293-4000</td>
<td><a href="http://www.southampton.liu.edu">www.southampton.liu.edu</a></td>
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<tr>
<td><strong>LONG ISLAND UNIVERSITY – WESTCHESTER</strong></td>
<td>70 Route 340, Orangeburg, NY 10962</td>
<td>(845) 359-7200</td>
<td><a href="http://www.liu.edu">www.liu.edu</a></td>
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<tr>
<td><strong>MADISON ONEIDA BOCES – CONTINUING EDUCATION</strong></td>
<td>4937 Spring Road, Verona, NY 13478</td>
<td>(315) 361-5800</td>
<td><a href="http://www.moboces.org">www.moboces.org</a></td>
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<tr>
<td><strong>MANDL SCHOOL</strong></td>
<td>254 W 54th Street, New York, NY 10019</td>
<td>(212) 247-3434</td>
<td><a href="http://www.mandlschool.com">www.mandlschool.com</a></td>
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<tr>
<td><strong>MANHATTAN COLLEGE</strong></td>
<td>Manhattan College Parkway, Bronx, NY 10471</td>
<td>(718) 862-8000</td>
<td><a href="http://www.manhattan.edu">www.manhattan.edu</a></td>
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<tr>
<td><strong>MANHATTANVILLE COLLEGE</strong></td>
<td>2900 Purchase Street, Purchase, NY 10577</td>
<td>(914) 694-2200</td>
<td><a href="http://www.manhattanville.edu">www.manhattanville.edu</a></td>
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<tr>
<td><strong>MARIA COLLEGE OF ALBANY</strong></td>
<td>700 New Scotland Avenue, Albany, NY 12208</td>
<td>(518) 438-3111</td>
<td><a href="http://www.mariacollege.org">www.mariacollege.org</a></td>
</tr>
<tr>
<td><strong>MARION S WHELAN SCHOOL OF NURSING OF GENEVA GENERAL HOSPITAL</strong></td>
<td>196-198 North Street, Geneva, NY 14456</td>
<td>(515) 787-4005</td>
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<tr>
<td><strong>MARIST COLLEGE</strong></td>
<td>290 North Road, Poughkeepsie, NY 12601</td>
<td>(914) 575-3000</td>
<td><a href="http://www.marist.edu">www.marist.edu</a></td>
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<tr>
<td><strong>MARYMOUNT COLLEGE</strong></td>
<td>100 Marymount Avenue, Tarrytown, NY 10591</td>
<td>(800) 724-4312</td>
<td><a href="http://www.marymt.edu">www.marymt.edu</a></td>
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<tr>
<td><strong>MARYMOUNT MANHATTAN COLLEGE</strong></td>
<td>221 E 71st Street, New York, NY 10021</td>
<td>(212) 517-0400</td>
<td><a href="http://www.marymount.mmm.edu">www.marymount.mmm.edu</a></td>
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<tr>
<td><strong>MEMORIAL HOSPITAL SCHOOL OF NURSING</strong></td>
<td>600 Northern Boulevard, Albany, NY 12204</td>
<td>(518) 471-3260</td>
<td><a href="http://www.nehealth.com">www.nehealth.com</a></td>
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<tr>
<td><strong>MEMORIAL HOSPITAL SCHOOL OF RADIATION THERAPY TECHNOLOGY</strong></td>
<td>1275 York Avenue Box 22, New York, NY 10021</td>
<td>(212) 639-6855</td>
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<tr>
<td><strong>MERCY COLLEGE – BRONX BRANCH CAMPUS</strong></td>
<td>50 Antin Place, Bronx, NY 10469</td>
<td>(800) 637-2969</td>
<td><a href="http://www.mercynet.edu">www.mercynet.edu</a></td>
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<tr>
<td><strong>MERCY COLLEGE – MAIN CAMPUS</strong></td>
<td>555 Broadway, Dobbs Ferry, NY 10522</td>
<td>(800) 637-2969</td>
<td><a href="http://www.mercynet.edu">www.mercynet.edu</a></td>
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<td><strong>MERCY COLLEGE – WHITE PLAINS BRANCH CAMPUS</strong></td>
<td>Martine Avenue and S Broadway, White Plains, NY 10601</td>
<td>(800) 637-2969</td>
<td><a href="http://www.mercynet.edu">www.mercynet.edu</a></td>
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<tr>
<td><strong>MERCY COLLEGE – YORKTOWN HEIGHTS BRANCH CAMPUS</strong></td>
<td>2651 Strang Boulevard, Yorktown Heights, NY 10598</td>
<td>(800) 637-2969</td>
<td><a href="http://www.mercynet.edu">www.mercynet.edu</a></td>
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<tr>
<td>MERCY MEDICAL CENTER – SCHOOL OF RADIOGRAPHY</td>
<td>1000 N Village Avenue, Rockville Center, NY 11570</td>
<td>(516) 705-2274</td>
<td><a href="http://www.cantonmercy.com">www.cantonmercy.com</a></td>
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<tr>
<td>MERCY MEDICAL CENTER – SCHOOL OF RADIOGRAPHY</td>
<td>1000 N Village Avenue, Rockville Center, NY 11570</td>
<td>(516) 705-2274</td>
<td><a href="http://www.cantonmercy.com">www.cantonmercy.com</a></td>
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<tr>
<td>MERKAZ BNOS – BUSINESS SCHOOL</td>
<td>54 Avenue O, Brooklyn, NY 11204</td>
<td>(718) 234-4000</td>
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<tr>
<td>MILDRED ELLEY SCHOOL</td>
<td>800 New Loudon Road, Suite 120, Latham, NY 12110</td>
<td>(800) 622-6327</td>
<td><a href="http://www.mildred-elley.edu">www.mildred-elley.edu</a></td>
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<tr>
<td>MOHAWK VALLEY COMMUNITY COLLEGE – UTICA BRANCH</td>
<td>1101 Sherman Drive, Utica, NY 13501</td>
<td>(315) 792-5354</td>
<td><a href="http://www.mvcc.edu">www.mvcc.edu</a></td>
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<tr>
<td>MOLLOY COLLEGE</td>
<td>1000 Hempstead Avenue, Rockville Centre, NY 11571</td>
<td>(516) 678-0000</td>
<td><a href="http://www.molloy.edu">www.molloy.edu</a></td>
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<tr>
<td>MONROE COMMUNITY COLLEGE</td>
<td>1000 E Henrietta Road, Rochester, NY 14623</td>
<td>(585) 292-2000</td>
<td><a href="http://www.monroecce.edu">www.monroecce.edu</a></td>
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<tr>
<td>MONTEFIORE MEDICAL CENTER – SCHOOL OF RADIOLOGIC THERAPY</td>
<td>111 E 210th Street, New York, NY 10467</td>
<td>(718) 920-5083</td>
<td><a href="http://www.montefiore.org">www.montefiore.org</a></td>
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<tr>
<td>MOUNT SAINT MARY COLLEGE</td>
<td>330 Powell Avenue, Newburgh, NY 12550</td>
<td>(845) 561-0800</td>
<td><a href="http://www.msmc.edu">www.msmc.edu</a></td>
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<tr>
<td>MOUNT SINAI SCHOOL OF MEDICINE</td>
<td>One Gustave L. Levy Place, New York, NY 10029</td>
<td>(212) 241-6696</td>
<td><a href="http://www.mssm.edu">www.mssm.edu</a></td>
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<td>MOUNT SINAI SCHOOL OF MEDICINE</td>
<td>111 E 210th Street, New York, NY 10467</td>
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<tr>
<td><strong>Niagara County Community College</strong></td>
<td>3111 Saunders Settlement Road, Sanborn, NY 14132</td>
<td>(716) 614-6222</td>
<td><a href="http://www.sunyniagara.cc.ny.us">www.sunyniagara.cc.ny.us</a></td>
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<tr>
<td><strong>Niagara University</strong></td>
<td>Niagara University, NY 14109</td>
<td>(716) 285-1212</td>
<td><a href="http://www.niagara.edu">www.niagara.edu</a></td>
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<tr>
<td><strong>North Country Community College</strong></td>
<td>20 Winona Avenue, Saranac Lake, NY 12983</td>
<td>(518) 891-2915</td>
<td><a href="http://www.nccc.edu">www.nccc.edu</a></td>
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<tr>
<td><strong>Onondaga Community College</strong></td>
<td>4941 Onondaga Road, Syracuse, NY 13215</td>
<td>(315) 498-2622</td>
<td><a href="http://www.sunyocc.edu">www.sunyocc.edu</a></td>
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<tr>
<td><strong>Orange County Community College</strong></td>
<td>115 South Street, Middletown, NY 10940</td>
<td>(845) 344-6222</td>
<td><a href="http://www.orange.cc.ny.us">www.orange.cc.ny.us</a></td>
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<tr>
<td><strong>Orange-Ulster BOCES School of Practical Nursing</strong></td>
<td>65 Parrott Road, West Nyack, NY 10994</td>
<td>(845) 627-4700 x-4770</td>
<td><a href="http://www.rocklandboces.org">www.rocklandboces.org</a></td>
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<tr>
<td><strong>Pace University – New York</strong></td>
<td>1 Pace Plaza, New York, NY 10038</td>
<td>(212) 346-1200</td>
<td><a href="http://www.pace.edu">www.pace.edu</a></td>
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<tr>
<td><strong>Pace University – Pleasantville Briarcliff</strong></td>
<td>861 Bedford Road, Pleasantville, NY 10570</td>
<td>(800) 874-7223</td>
<td><a href="http://www.pace.edu">www.pace.edu</a></td>
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<tr>
<td><strong>Pace University – White Plains</strong></td>
<td>78 N Broadway, White Plains, NY 10603</td>
<td>(800) 874-7223</td>
<td><a href="http://www.pace.edu">www.pace.edu</a></td>
</tr>
<tr>
<td><strong>Pacific College of Oriental Medicine – New York</strong></td>
<td>915 Broadway 3rd Floor, New York, NY 10010</td>
<td>(212) 982-3456 x-200</td>
<td><a href="http://www.pacificcollege.edu">www.pacificcollege.edu</a></td>
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<tr>
<td><strong>Phillips Beth Israel School of Nursing</strong></td>
<td>310 E 22nd Street, New York, NY 10010</td>
<td>(212) 614-6110</td>
<td><a href="http://www.wehealthy.org/bischoolofnursing">www.wehealthy.org/bischoolofnursing</a></td>
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<tr>
<td><strong>Pratt Institute – Main</strong></td>
<td>200 Willoughby Avenue, Brooklyn, NY 11205</td>
<td>(718) 636-3600</td>
<td><a href="http://www.pratt.edu">www.pratt.edu</a></td>
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<tr>
<td><strong>Putnam-Westchester BOCES</strong></td>
<td>35 Colleen Road, Castleton, NY 12180</td>
<td>(518) 273-2264</td>
<td><a href="http://www.questar.org">www.questar.org</a></td>
</tr>
<tr>
<td><strong>Rensselaer BOCES School of Practical Nursing</strong></td>
<td>35 Colleen Road, Castleton, NY 12180</td>
<td>(518) 273-2264</td>
<td><a href="http://www.questar.org">www.questar.org</a></td>
</tr>
<tr>
<td><strong>Rensselaer Polytechnic Institute</strong></td>
<td>110 8th Street, Troy, NY 12180</td>
<td>(518) 276-6000</td>
<td><a href="http://www.rpi.edu">www.rpi.edu</a></td>
</tr>
<tr>
<td><strong>Ridley-Lowell School of Business</strong></td>
<td>26 S Hamilton Street, Poughkeepsie, NY 12601</td>
<td>(607) 724-2941</td>
<td><a href="http://www.ridley.edu">www.ridley.edu</a></td>
</tr>
<tr>
<td><strong>Robert J Hochstim School of Radiography</strong></td>
<td>South Nassau Community Hospital, 2445 Oceanside Road, Oceanside, NY 11572</td>
<td>(516) 632-4678</td>
<td><a href="http://www.roberts.edu">www.roberts.edu</a></td>
</tr>
<tr>
<td><strong>Roberts Wesleyan College</strong></td>
<td>305 Andrews, Rochester, NY 14604</td>
<td>(585) 232-2730</td>
<td><a href="http://www.roberts.edu">www.roberts.edu</a></td>
</tr>
<tr>
<td><strong>Rochester General Hospital School of Medical Technology</strong></td>
<td>1425 Portland Avenue, Rochester, NY 14621</td>
<td>(585) 475-2978</td>
<td><a href="http://www.rit.edu">www.rit.edu</a></td>
</tr>
<tr>
<td><strong>Rochester Institute of Technology</strong></td>
<td>1 Lomb Memorial Drive, Rochester, NY 14623</td>
<td>(585) 475-2411</td>
<td><a href="http://www.rit.edu">www.rit.edu</a></td>
</tr>
<tr>
<td><strong>Rockland Community College</strong></td>
<td>145 College Road, Suffern, NY 10901</td>
<td>(845) 574-4000</td>
<td><a href="http://www.sunyrockland.edu">www.sunyrockland.edu</a></td>
</tr>
<tr>
<td><strong>Rockland County BOCES Practical Nursing</strong></td>
<td>65 Parrott Road, West Nyack, NY 10994</td>
<td>(845) 627-4700 x-4770</td>
<td><a href="http://www.rocklandboces.org">www.rocklandboces.org</a></td>
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</table>
## New York State Educational Institutions

<table>
<thead>
<tr>
<th>Institution</th>
<th>Address</th>
<th>Phone</th>
<th>Website</th>
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<tr>
<td><strong>Saint Bonaventure University</strong></td>
<td>Route 417, St Bonaventure, NY 14778</td>
<td>(716) 375-2000</td>
<td><a href="http://www.sbu.edu">www.sbu.edu</a></td>
</tr>
<tr>
<td><strong>Saint Elizabeth College of Nursing</strong></td>
<td>2215 Genesee Street, Utica, NY 13501</td>
<td>(315) 798-8144</td>
<td><a href="http://www.stemc.org">www.stemc.org</a></td>
</tr>
<tr>
<td><strong>Saint Elizabeth Medical Center School of Radiography</strong></td>
<td>2215 Genesee Street, Utica, NY 13501</td>
<td>(315) 798-8258</td>
<td><a href="http://www.stemc.org">www.stemc.org</a></td>
</tr>
<tr>
<td><strong>Saint James Mercy Hospital School of Radiography</strong></td>
<td>411 Canisteo Street, Hornell, NY 14843</td>
<td>(607) 324-8265</td>
<td></td>
</tr>
<tr>
<td><strong>Saint John Fisher College</strong></td>
<td>3690 East Avenue, Rochester, NY 14618</td>
<td>(585) 385-8000</td>
<td><a href="http://www.sjfc.edu">www.sjfc.edu</a></td>
</tr>
<tr>
<td><strong>Saint Josephs College – Main Campus</strong></td>
<td>245 Clinton Avenue, Brooklyn, NY 11205</td>
<td>(718) 399-0068</td>
<td><a href="http://www.sjcny.edu">www.sjcny.edu</a></td>
</tr>
<tr>
<td><strong>Saint Josephs College – Suffolk Campus</strong></td>
<td>155 W Roe Boulevard, Patchogue, NY 11772</td>
<td>(631) 447-3200</td>
<td><a href="http://www.sjcny.edu">www.sjcny.edu</a></td>
</tr>
<tr>
<td><strong>Saint Thomas Aquinas College</strong></td>
<td>125 Route 340, Sparkill, NY 10976</td>
<td>(800) 999-7822</td>
<td><a href="http://www.stac.edu">www.stac.edu</a></td>
</tr>
<tr>
<td><strong>Saint Vincent’s Catholic Medical Center – Brooklyn and Queens</strong></td>
<td>175-05 Horace Harding Expwy, Brooklyn, NY 11365</td>
<td>(718) 221-3390</td>
<td><a href="http://www.svcmc.org/portal/default.asp">www.svcmc.org/portal/default.asp</a></td>
</tr>
<tr>
<td><strong>Saint Vincent’s Catholic Medical Center – Staten Island</strong></td>
<td>2 Gridley Avenue, Staten Island, NY 10303</td>
<td>(718) 818-1234</td>
<td><a href="http://www.svcmc.org/portal/default.asp">www.svcmc.org/portal/default.asp</a></td>
</tr>
<tr>
<td><strong>St. Anthony’s Health Professions and Nursing Institute</strong></td>
<td>175-05 Horace Harding Expwy, Fresh Meadows, NY 11365</td>
<td>(718) 557-0500</td>
<td><a href="http://www.svcmc.org/portal/training/allied_health.asp">www.svcmc.org/portal/training/allied_health.asp</a></td>
</tr>
<tr>
<td><strong>St. Francis College</strong></td>
<td>180 Rensselaer Street, Brooklyn, NY 11201</td>
<td>(718) 522-2300</td>
<td><a href="http://www.stfranciscollege.edu">www.stfranciscollege.edu</a></td>
</tr>
<tr>
<td><strong>St. John’s University – New York</strong></td>
<td>8000 Utopia Pkwy, Jamaica, NY 11439</td>
<td>(888) 978-6467</td>
<td><a href="http://www.stjohns.edu">www.stjohns.edu</a></td>
</tr>
<tr>
<td><strong>St. Joseph’s Hospital Health Center School of Nursing</strong></td>
<td>206 Prospect Avenue, Syracuse, NY 13203</td>
<td>(888) STJOESE1</td>
<td><a href="http://www.sjhsyr.org/sjhhc/stj_edu.asp">www.sjhsyr.org/sjhhc/stj_edu.asp</a></td>
</tr>
<tr>
<td><strong>St. Lawrence University</strong></td>
<td>Canton, NY 13617</td>
<td>(800) 285-1856</td>
<td><a href="http://www.stlawu.edu">www.stlawu.edu</a></td>
</tr>
<tr>
<td><strong>St. Lawrence – Lewis County BOCES Nursing Program</strong></td>
<td>7231 St Hwy 56, Norwood, NY 13668</td>
<td>(315) 386-4504</td>
<td><a href="http://www.sllboces.org">www.sllboces.org</a></td>
</tr>
<tr>
<td><strong>Steuben-Allegany BOCES School of Practical Nursing – Coopers</strong></td>
<td>1 Vocational Drive Coopers BOCES School of Practical Nursing, Painted Post, NY 14870</td>
<td>(607) 962-3175</td>
<td><a href="http://www.saboces.org/home/coopers.asp">www.saboces.org/home/coopers.asp</a></td>
</tr>
<tr>
<td><strong>Steuben-Allegany BOCES School of Practical Nursing – Warsaw</strong></td>
<td>422 Main Street, Warsaw, NY 14569</td>
<td>(877) 238-5833</td>
<td><a href="http://www.saboces.org">www.saboces.org</a></td>
</tr>
</tbody>
</table>
# New York State Educational Institutions

## STEUBEN-ALLEGANY BOCES SCHOOL OF PRACTICAL NURSING – WILDWOOD
1126 Bald Hill Road Wildwood Education Center
Hornell, NY 14843
(607) 962-3175
www.saboces.org/home/wildwood.asp

## SUBURBAN TECHNICAL SCHOOL
175 Fulton Avenue
Hempstead, NY 11550
(516) 481-6660

## SUFFOLK COUNTY COMMUNITY COLLEGE – AMMERMAN CAMPUS
533 College Road
Selden, NY 11784
(631) 451-4000
www3.sunysuffolk.edu/index.asp

## SUFFOLK COUNTY COMMUNITY COLLEGE – EASTERN CAMPUS
Speonk Riverhead Road
Riverhead, NY 11901
(631) 548-2500
www3.sunysuffolk.edu/index.asp

## SUFFOLK COUNTY COMMUNITY COLLEGE – WESTERN CAMPUS
Crooked Hill Road
Brentwood, NY 11717
(631) 851-6700
www3.sunysuffolk.edu/index.asp

## SULLIVAN COUNTY BOARD OF COOPERATIVE EDUC SVCS
85 Ferndale Loomis Road
Liberty, NY 12754
(845) 292-0082
www.scboces.org

## SULLIVAN COUNTY COMMUNITY COLLEGE
1000 Leroy Road
Loch Sheldrake, NY 12759
(800) 577-5243
www.sullivan.suny.edu

## STATE UNIVERSITY OF NEW YORK AT ALBANY
1400 Washington Avenue
Albany, NY 12222
(518) 442-3300
www.albany.edu

## STATE UNIVERSITY OF NEW YORK AT BINGHAMTON
Vestal Pkwy E
Binghamton, NY 13902
(607) 777-2000
www.binghamton.edu

## STATE UNIVERSITY OF NEW YORK AT BUFFALO
17 Capen Hall
Buffalo, NY 14260
(888) 822-3648
www.buffalo.edu

## STATE UNIVERSITY OF NEW YORK AT STONY BROOK
Stony Brook, NY 11794
(631) 632-6000
www.stonybrook.edu

## STATE UNIVERSITY OF NEW YORK COLLEGE AT BROCKPORT
350 New Campus Drive
Brockport, NY 14420
(585) 395-2796
www.brockport.edu

## STATE UNIVERSITY OF NEW YORK COLLEGE AT CORTLAND
P.O. Box 2000
Cortland, NY 13045
(607) 753-4711
www.cortland.edu

## STATE UNIVERSITY OF NEW YORK COLLEGE AT FREDONIA
Central Avenue
Fredonia, NY 14063
(716) 673-3111
www1.fredonia.edu/fweb/default.aspx

## STATE UNIVERSITY OF NEW YORK COLLEGE AT GENESSEE
1 College Circle
Geneseo, NY 14454
(585) 245-5211
www.genesee.edu

## STATE UNIVERSITY OF NEW YORK COLLEGE AT NEW PALTZ
75 S Manheim Boulevard
New Paltz, NY 12561
(845) 257-2121
www.newpaltz.edu

## STATE UNIVERSITY OF NEW YORK COLLEGE AT OLD WESTBURY
223 Store Hill Road
Old Westbury, NY 11568
(516) 876-3000
www.oldwestbury.edu

## STATE UNIVERSITY OF NEW YORK COLLEGE AT ONEONTA
Ravine Parkway
Oneonta, NY 13820
(607) 436-3500
www.oneonta.edu

## STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
503-505 College Dr
Oswego, NY 13126
(315) 217-2000
www.oswego.edu

## STATE UNIVERSITY OF NEW YORK COLLEGE AT PLATTSBURGH
101 Broad Street
Plattsburgh, NY 12901
(518) 564-2000
www.plattsburgh.edu

## STATE UNIVERSITY OF NEW YORK COLLEGE AT POTSDAM
Pierrepont Avenue
Potsdam, NY 13676
(315) 267-2000
www.potsdam.edu

## STATE UNIVERSITY OF NEW YORK COLLEGE AT PURCHASE
735 Anderson Hill Road
Purchase, NY 10577
(914) 251-6300
www.purchase.edu

## STATE UNIVERSITY OF NEW YORK COLLEGE AT CABLESKILL
College of Agriculture and Technology at Cobleskill
Cobleskill, NY 12043
(800) 295-8988
www.cobleskill.edu
APPENDIX A

New York State Educational Institutions

STATE UNIVERSITY OF NEW YORK
COLLEGE OF AGRICULTURE AND
TECHNOLOGY AT MORRISVILLE
Morrisville, NY 13408
(800) 258-0111
www.morrisville.edu

STATE UNIVERSITY OF NEW YORK
COLLEGE OF OPTOMETRY
100 E 24th Street
New York, NY 10010
(800) 291-3937
www.sunyopt.edu

STATE UNIVERSITY OF NEW YORK
College of Technology at Alfred
10 Upper College Drive
Alfred, NY 14802
(800) 485-9799
www.alfredstate.edu

STATE UNIVERSITY OF NEW YORK
College of Technology at Canton
Cornell Drive
Canton, NY 13617
(800) 388-7123
www.canton.edu

STATE UNIVERSITY OF NEW YORK
College of Technology at Delhi
2 Main Street
Delhi, NY 13753
(800) 96-DELHI
www.delhi.edu

STATE UNIVERSITY OF NEW YORK
College of Technology at Farmingdale
Melville Road
Farmingdale, NY 11735
(631) 420-2000
www.farmingdale.edu

STATE UNIVERSITY OF NEW YORK
EMPIRE STATE COLLEGE
2 Union Avenue
Saratoga Springs, NY 12866
(518) 587-2100
www.esc.edu

STATE UNIVERSITY OF NEW YORK
HEALTH SCIENCE CENTER AT BROOKLYN
450 Clarkson Avenue
Brooklyn, NY 11205
(718) 270-2446
www.hschklyn.edu

STATE UNIVERSITY OF NEW YORK
HEALTH SCIENCE CENTER AT SYRACUSE
750 E Adams Street
Syracuse, NY 13210
(315) 464-5540
www.upstate.edu

STATE UNIVERSITY OF NEW YORK
INSTITUTE OF TECHNOLOGY AT UTICA-ROME
PO Box 3050
Utica, NY 13504
(315) 792-7500
www.sunyit.edu

STATE UNIVERSITY OF NEW YORK
ULSTER COUNTY COMMUNITY COLLEGE
Cotekill Road
Stone Ridge, NY 12484
(800) 724-0833
www.sunyulster.edu

STATE UNIVERSITY OF NEW YORK
WESTCHESTER COMMUNITY COLLEGE
75 Grasslands Road
Valhalla, NY 10595
(914) 785-6600
www.sunywcc.edu/home.htm

SYRACUSE CENTRAL
TECHNICAL VOCATIONAL CENTER
LICENSED PRACTICAL NURSING PROGRAM
258 E Adams Street
Syracuse, NY 13202
(315) 435-4499
www.syracusecvc.com

SYRACUSE UNIVERSITY
201 Tolley Administration Building
Syracuse, NY 13244
(315) 443-1870
www.syracuse.edu

TEACHERS COLLEGE AT
COLUMBIA UNIVERSITY
525 W 120th Street
New York, NY 10027
(212) 678-3000
www.tc.columbia.edu

THE COLLEGE OF NEW ROCHELLE
29 Castle Place
New Rochelle, NY 10805
(914) 654-5000
www.cnr.edu

THE COLLEGE OF SAINT ROSE
432 Western Avenue
Albany, NY 12205
(800) 637-8556
www.strose.edu

THE SAGE COLLEGES-ALBANY CAMPUS
140 New Scotland Avenue
Albany, NY 12208
(518) 244-2000
www.sage.edu/SCA

THE SAGE COLLEGES-TROY CAMPUS
45 Ferry Street
Troy, NY 12180
(518) 244-2000
www.sage.edu/RSC

TOMPKINS-CORTLAND COMMUNITY COLLEGE
170 North Street
Dryden, NY 13053
(607) 844-8222
www.sunycgcc.edu

TOURO COLLEGE
27-33 W 23rd St
New York, NY 10011
(212) 242-2255
www.touro.edu

TRI-STATE COLLEGE OF ACUPUNCTURE
80 Eighth Avenue Room 400
New York, NY 10011
(212) 242-2255
www.tsca.edu

TROCAIRE COLLEGE
360 Chautauqua Avenue
Buffalo, NY 14220
(716) 826-1200
www.trocaire.edu/index.html

ULSTER COUNTY BOCES SCHOOL OF PRACTICAL NURSING
P. O. Box 601
Port Ewen, NY 12466
(845) 255-1400

ULTRASOUND DIAGNOSTIC SCHOOL
2269 Saw Mill River Road
Elmsford, NY 10523
(914) 347-6817
www.uds-elmsford.com
New York State Educational Institutions

ULTRASOUND DIAGNOSTIC SCHOOL
1 Old Country Road
Carle Place, NY 11514
(516) 248-6060
www.uds-longisland.com

WAGNER COLLEGE
One Campus Road
Staten Island, NY 10301
(718) 390-3100
www.wagner.edu

WASHINGTON-SARATOGA-WARREN-HAMILTON-ESSEX BOCES
10 LaCrosse Street
Hudson Falls, NY 12839
(518) 581-3310
www.wswhboces.org

UNION COLLEGE
807 Union Street
Schenectady, NY 12308
(518) 388-6000
www.union.edu

WAYNE-FINGER LAKES BOCES SCHOOL OF PRACTICAL NURSING
131 Drumlin Court
Newark, NY 14513
(315) 332-7400
www.ofwym.com/ny/h/hx418001.htm

UNIVERSITY OF ROCHESTER
Rochester, NY 14627
(585) 275-2121
www.rochester.edu

WELL'S COLLEGE
170 State Route 90
Aurora, NY 13026
(315) 364-3266
www.wells.edu

UTICA COLLEGE OF SYRACUSE UNIVERSITY
1600 Burrstone Road
Utica, NY 13502
(315) 792-3006
www.utica.edu

WESTERN SUFFOLK BOCES
507 Deer Park Road
Northport, NY 11768
(631) 549-4900
www.wsboces.org

VASSAR COLLEGE
124 Raymond Avenue
Poughkeepsie, NY 12604
(845) 437-7000
www.vassar.edu

WILLSEY INSTITUTE
120 Stuyvesant Place
Staten Island, NY 10301
(718) 442-5706

VEEB NASSAU COUNTY SCHOOL OF PRACTICAL NURSING
899A Jerusalem Avenue
Uniondale, NY 11553
(516) 572-1704
www.nassauboces.org/cte/lpn.htm

WINTHROP UNIVERSITY HOSPITAL PROGRAM OF RADIOLOGY
259 First Street
Mineola, NY 11501
(516) 663-2536

WASHINGTON SUFFOLK BOCES
507 Deer Park Road
Northport, NY 11768
(631) 549-4900
www.wsboces.org

WAYNE-FINGER LAKES BOCES SCHOOL OF PRACTICAL NURSING
131 Drumlin Court
Newark, NY 14513
(315) 332-7400
www.ofwym.com/ny/h/hx418001.htm

WESTERN SUFFOLK BOCES
507 Deer Park Road
Northport, NY 11768
(631) 549-4900
www.wsboces.org

VASSAR COLLEGE
124 Raymond Avenue
Poughkeepsie, NY 12604
(845) 437-7000
www.vassar.edu

WILLSEY INSTITUTE
120 Stuyvesant Place
Staten Island, NY 10301
(718) 442-5706

WOOD TOBE-COBURN SCHOOL
8 E 40th Street
New York, NY 10016
(212) 686-9040
www.woodtobecoburn.edu

WINTHROP UNIVERSITY HOSPITAL PROGRAM OF RADIOLOGY
259 First Street
Mineola, NY 11501
(516) 663-2536

WAGNER COLLEGE
One Campus Road
Staten Island, NY 10301
(718) 390-3100
www.wagner.edu

WASHINGTON-SARATOGA-WARREN-HAMILTON-ESSEX BOCES
10 LaCrosse Street
Hudson Falls, NY 12839
(518) 581-3310
www.wswhboces.org

UNION COLLEGE
807 Union Street
Schenectady, NY 12308
(518) 388-6000
www.union.edu

WAYNE-FINGER LAKES BOCES SCHOOL OF PRACTICAL NURSING
131 Drumlin Court
Newark, NY 14513
(315) 332-7400
www.ofwym.com/ny/h/hx418001.htm

UNIVERSITY OF ROCHESTER
Rochester, NY 14627
(585) 275-2121
www.rochester.edu

WELL’S COLLEGE
170 State Route 90
Aurora, NY 13026
(315) 364-3266
www.wells.edu

UTICA COLLEGE OF SYRACUSE UNIVERSITY
1600 Burrstone Road
Utica, NY 13502
(315) 792-3006
www.utica.edu

WESTERN SUFFOLK BOCES
507 Deer Park Road
Northport, NY 11768
(631) 549-4900
www.wsboces.org

VASSAR COLLEGE
124 Raymond Avenue
Poughkeepsie, NY 12604
(845) 437-7000
www.vassar.edu

VETESRAN ADMINISTRATION HOSPITAL SCHOOL OF RADIOLOGIC TECHNOLOGY
79 Middleville Road 632/153
Northport, NY 11768
(631) 261-4400

VILLA MARIA COLLEGE BUFFALO
240 Pine Ridge Road
Buffalo, NY 14225
(716) 896-0700
www.villa.edu

YESHIVA UNIVERSITY
500 W 185th Street
New York, NY 10033
(212) 960-5285
www.yu.edu
# Professional Organizations

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<tr>
<th>Organization</th>
<th>Address</th>
<th>Phone Numbers</th>
<th>Website</th>
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<tr>
<td><strong>Alliance of Cardiovascular Professionals</strong></td>
<td>Thalia Landing Offices, Bldg 2, 4356 Bonney Road, #103, Virginia Beach, VA 23452</td>
<td>(757) 497-1225</td>
<td><a href="http://www.acp-online.org">www.acp-online.org</a></td>
</tr>
<tr>
<td><strong>American Academy of Audiology</strong></td>
<td>11730 Plaza America Drive, Suite 300, Reston, VA 20190</td>
<td>(800) 222-2336</td>
<td><a href="http://www.audiology.org">www.audiology.org</a></td>
</tr>
<tr>
<td><strong>American Academy of Nurse Practitioners</strong></td>
<td>P.O. Box 12846, Austin, TX 78711</td>
<td>(512) 442-4262 x-211</td>
<td><a href="http://www.aanp.org">www.aanp.org</a></td>
</tr>
<tr>
<td><strong>American Academy of Ophthalmology</strong></td>
<td>P.O. Box 7424, San Francisco, CA 94120</td>
<td>(415) 561-8500</td>
<td><a href="http://www.aoa.org">www.aoa.org</a></td>
</tr>
<tr>
<td><strong>American Academy of Physician Assistants</strong></td>
<td>950 North Washington Street, Alexandria, VA 22314</td>
<td>(703) 836-2272</td>
<td><a href="http://www.aapa.org">www.aapa.org</a></td>
</tr>
<tr>
<td><strong>American Academy of Professional Coders</strong></td>
<td>P.O. Box 1447, Greensboro, NC 27402</td>
<td>(877) 882-2772</td>
<td><a href="http://www.pharmacytechnician.com">www.pharmacytechnician.com</a></td>
</tr>
<tr>
<td><strong>American Association for Dental Examiners</strong></td>
<td>211 East Chicago Avenue, Suite 760, Chicago, IL 60611</td>
<td>(312) 440-7464</td>
<td><a href="http://www.aadexam.org">www.aadexam.org</a></td>
</tr>
<tr>
<td><strong>American Association of Medical Assistants</strong></td>
<td>20 N. Wacker Drive, Suite 1575, Chicago, IL 60606</td>
<td>(312) 899-1500</td>
<td><a href="http://www.aama-ntl.org">www.aama-ntl.org</a></td>
</tr>
<tr>
<td><strong>American Association of Medical Dosimetristist</strong></td>
<td>One Physics Ellipse, College Park, MD 20740</td>
<td>(301) 209-3320</td>
<td><a href="http://www.medicaldosimetry.org">www.medicaldosimetry.org</a></td>
</tr>
<tr>
<td><strong>American Association of Nurse Anesthetists</strong></td>
<td>222 South Prospect Avenue, Park Ridge, IL 60068</td>
<td>(847) 692-7050</td>
<td><a href="http://www.aana.com">www.aana.com</a></td>
</tr>
<tr>
<td><strong>American Association of Occupational Health Nurse</strong></td>
<td>2920 Brandywine Road, Suite 100, Atlanta, GA 30341</td>
<td>(770) 455-7757</td>
<td><a href="http://www.aaohn.org">www.aaohn.org</a></td>
</tr>
<tr>
<td><strong>American Association of Pharmaceutical Scientists</strong></td>
<td>2107 Wilson Blvd., Suite 700, Arlington, VA 22201</td>
<td>(703) 243-2800</td>
<td><a href="http://www.aapspharmaceutica.com">www.aapspharmaceutica.com</a></td>
</tr>
<tr>
<td><strong>American Association of Pharmacy Technicians</strong></td>
<td>P.O. Box 1447, Greensboro, NC 27402</td>
<td>(877) 368-4771</td>
<td><a href="http://www.pharmacytechnician.com">www.pharmacytechnician.com</a></td>
</tr>
<tr>
<td><strong>American Association of Surgeon Assistants</strong></td>
<td>P.O. Box 867, Bernardsville, NJ 7924</td>
<td>(888) 882-2772</td>
<td><a href="http://www.aaspa.com">www.aaspa.com</a></td>
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<thead>
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<tr>
<td>American Board of Cardiovascular Perfusion</td>
<td>207 N. 25th Avenue, Hattiesburg, MS 39401 (601) 582-2227, <a href="http://www.abcp.org">www.abcp.org</a></td>
</tr>
<tr>
<td>American Board of Examiners in Clinical Social Work</td>
<td>Shetland Park, 27 Congress Street, #211, Salem, MA 1970 (800) 694-5285, <a href="http://www.abecsw.org">www.abecsw.org</a></td>
</tr>
<tr>
<td>American Board of Genetic Counseling</td>
<td>9650 Rockville Pike, Bethesda, MD 20814 (301) 634-7316, <a href="http://www.abgc.net">www.abgc.net</a></td>
</tr>
<tr>
<td>American Board of Opticianry</td>
<td>6506 Loisilade Road, Suite 209, Springfield, VA 22150 (703) 719-5800, <a href="http://www.abo-ncle.org">www.abo-ncle.org</a></td>
</tr>
<tr>
<td>American Colleges of Podiatric Medicine</td>
<td>15850 Crabbs Branch Way, Suite 320, Rockville, MD 20855 (800) 922-9266, <a href="http://www.aacpm.org">www.aacpm.org</a></td>
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<tr>
<td>American Dental Assistants Association</td>
<td>33 East Wacker Drive, Suite 1730, Chicago, IL 60601 (312) 541-1550, <a href="http://www.dentalassisting.org">www.dentalassisting.org</a></td>
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<tr>
<td>American Dental Association</td>
<td>211 East Chicago Avenue, Chicago, IL 60606 (312) 440-2500, <a href="http://www.ada.org">www.ada.org</a></td>
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<tr>
<td>American Dental Education Association</td>
<td>1625 Massachusetts Avenue, NW, Suite 1320, Washington, DC 20036 (202) 667-9455, <a href="http://www.adaea.org">www.adaea.org</a></td>
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<tr>
<td>American Dental Hygienists’ Association</td>
<td>444 North Michigan Avenue, Suite 3400, Chicago, IL 60611 (800) 243-2342, <a href="http://www.adha.org">www.adha.org</a></td>
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<tr>
<td>American Dietetic Association</td>
<td>120 South Riverside Plaza, Suite 2000, Chicago, IL 60606 (800) 877-1600, <a href="http://www.eatright.org">www.eatright.org</a></td>
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<tr>
<td>American Health Information Management Association</td>
<td>233 North Michigan Avenue, Suite 2150, Chicago, IL 60611 (312) 233-1100, <a href="http://www.ahima.org">www.ahima.org</a></td>
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<tr>
<td>American Hospital Association</td>
<td>One North Franklin, 27th Floor, Chicago, IL 60602 (312) 422-3000, <a href="http://www.aha.org">www.aha.org</a></td>
</tr>
<tr>
<td>American Industrial Hygiene Association</td>
<td>2700 Prosperity Avenue, Suite 250, Fairfax, VA 22031 (703) 849-8888, <a href="http://www.aiha.org">www.aiha.org</a></td>
</tr>
<tr>
<td>American Institute of Ultrasound in Medicine</td>
<td>14750 Sweitzer Lane, Suite 100, Laurel, MD 20707 (301) 498-4100, <a href="http://www.aium.org">www.aium.org</a></td>
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## Professional Organizations

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<th>Organization</th>
<th>Address</th>
<th>Phone Numbers</th>
<th>Website</th>
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<tr>
<td>American Medical Association</td>
<td>515 North State Street, Chicago, IL 60610</td>
<td>(800) 621-1773</td>
<td><a href="http://www.ama-assn.org">www.ama-assn.org</a></td>
</tr>
<tr>
<td>American Medical Technologists</td>
<td>710 Higgins Road, Park Ridge, IL 60068</td>
<td>(800) 275-1268</td>
<td><a href="http://www.amt1.com">www.amt1.com</a></td>
</tr>
<tr>
<td>American Nurses Association</td>
<td>600 Maryland Avenue, SW, Suite 100W, Washington, DC 20024</td>
<td>(800) 274-4ANA</td>
<td><a href="http://www.ana.org">www.ana.org</a></td>
</tr>
<tr>
<td>American Occupational Therapy Association</td>
<td>4720 Montgomery Lane, Bethesda, MD 20824</td>
<td>(301) 652-2682</td>
<td><a href="http://www.aota.org">www.aota.org</a></td>
</tr>
<tr>
<td>American Optometric Association</td>
<td>243 N. Lindbergh Blvd., St. Louis, MO 63141</td>
<td>(314) 991-4100</td>
<td><a href="http://www.aaoanet.org">www.aaoanet.org</a></td>
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<tr>
<td>American Osteopathic Association</td>
<td>142 E. Ontario Street, Chicago, IL 60611</td>
<td>(800) 621-1773</td>
<td><a href="http://www.osteopathic.org">www.osteopathic.org</a></td>
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<tr>
<td>American Physical Therapy Association</td>
<td>1111 N. Fairfax Street, Alexandria, VA 22314</td>
<td>(800) 999-2782</td>
<td><a href="http://www.apta.org">www.apta.org</a></td>
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<tr>
<td>American Podiatric Medical Association</td>
<td>9312 Old Georgetown Road, Bethesda, MD 20814</td>
<td>(800) 275-2762</td>
<td><a href="http://www.amapa.org">www.amapa.org</a></td>
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<tr>
<td>American Psychological Association</td>
<td>750 First Street, NE, Washington, DC 20036</td>
<td>(800) 374-2721</td>
<td><a href="http://www.apa.org">www.apa.org</a></td>
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<tr>
<td>American Public Health Association</td>
<td>800 I Street, NW, Washington, DC 20001</td>
<td>(202) 777-2742</td>
<td><a href="http://www.apha.org">www.apha.org</a></td>
</tr>
<tr>
<td>American Registry of Diagnostic Medical Sonographers</td>
<td>51 Munroe Street, Plaza East One, Rockville, MD 20850</td>
<td>(800) 541-9754</td>
<td><a href="http://www.rdms.org">www.rdms.org</a></td>
</tr>
<tr>
<td>American Society for Cytotechnology</td>
<td>1500 Sunday Drive, Suite 102, Raleigh, NC 27607</td>
<td>(800) 948-3947</td>
<td><a href="http://www.asct.com">www.asct.com</a></td>
</tr>
<tr>
<td>American Society for Microbiology</td>
<td>1752 North Street, NW, Washington, DC 20036</td>
<td>(202) 737-3600</td>
<td><a href="http://www.asm.org">www.asm.org</a></td>
</tr>
<tr>
<td>American Society for Pharmacology and Experimental Therapeutics</td>
<td>9650 Rockville Pike, Bethesda, MD 20814</td>
<td>(301) 634-7060</td>
<td><a href="http://www.aspet.org">www.aspet.org</a></td>
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<tr>
<td>American Society for Therapeutic Radiology and Oncology</td>
<td>12500 Fair Lakes Circle, Suite 375, Fairfax, VA 22033</td>
<td>(800) 962-7876</td>
<td><a href="http://www.astro.org">www.astro.org</a></td>
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<tr>
<td>American Society of Clinical Pathology</td>
<td>2100 West Harrison Street, Chicago, IL 60612</td>
<td>(312) 738-1336</td>
<td><a href="http://www.ascp.org">www.ascp.org</a></td>
</tr>
<tr>
<td>American Society of Consultant Pharmacists</td>
<td>1321 Duke Street, Alexandria, VA 22314</td>
<td>(800) 355-2727</td>
<td><a href="http://www.ascp.com">www.ascp.com</a></td>
</tr>
<tr>
<td>American Society of Echocardiography</td>
<td>1500 Sunday Drive, Suite 102, Raleigh, NC 27607</td>
<td>(919) 787-4916</td>
<td><a href="http://www.asecho.org">www.asecho.org</a></td>
</tr>
<tr>
<td>American Society of Electroneurodiagnostic Technologists, Inc.</td>
<td>426 W. 42nd Street, Kansas City, MO 64111</td>
<td>(816) 931-1120</td>
<td><a href="http://www.aset.org">www.aset.org</a></td>
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Professional Organizations

AMERICAN SOCIETY OF EXTRACORPOREAL TECHNOLOGY
503 Carlisle Drive, Suite 125
Herndon, VA 20170
(703) 435-8556
www.amsect.org

AMERICAN SOCIETY OF HEALTH-SYSTEMS PHARMACISTS
7272 Wisconsin Avenue
Bethesda, MD 20814
(301) 657-3000
www.ashp.org

AMERICAN SOCIETY OF HEMATOLOGY
1900 M Street NW, Suite 200
Washington, DC 20036
(202) 776-0544
www.hematology.org

AMERICAN SOCIETY OF RADILOGIC TECHNOLOGISTS
15000 Central Avenue SE
Albuquerque, NM 87123
(800) 444-2778
www.asrt.org

AMERICAN SOCIETY OF SAFETY ENGINEERS
1800 E. Oakton Street
Des Plaines, IL 60018
(847) 699-2929
www.asse.org

AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION
10801 Rockville Pike
Rockville, MD 20852
(800) 638-8255
www.asha.org

AMERICAN STATISTICAL ASSOCIATION
1429 Duke Street
Alexandria, VA 22314
(703) 684-1221
www.amstat.org

AMERICAN THERAPEUTIC RECREATION ASSOCIATION
1414 Prince Street, Suite 204
Alexandria, VA 22314
(703) 683-9420
www.atra-tr.org

ASSOCIATION FOR THE ADVANCEMENT OF MEDICAL INSTRUMENTATION
1110 North Glebe Road, Suite 220
Arlington, VA 22201
(703) 525-4890
www.aami.org

ASSOCIATION OF AMERICAN MEDICAL COLLEGES SECTION FOR STUDENT SERVICES
2450 North Street, NW
Washington, DC 20037
(202) 828-0400
www.aamc.org

ASSOCIATION OF MEDICAL ILLUSTRATORS
5475 Mark Dabling Blvd., Suite 108
Colorado Springs, CO 80918
(719) 598-8622
www.medical-illustrators.org

ASSOCIATION OF PHYSICIAN ASSISTANT PROGRAMS
950 North Washington Street
Alexandria, VA 22314
(703) 548-5538
www.apap.org

ASSOCIATION OF POLYSOMNOGRAPHIC TECHNOLOGY
One Westbrook Corporate Center, Suite 920
Westchester, IL 60154
(708) 492-0796
www.aptweb.org

ASSOCIATION OF REGULATORY BOARDS OF OPTOMETRY
1750 South Brentwood Blvd., Suite 503
St. Louis, MO 63144
(314) 785-6000
www.arbo.org

ASSOCIATION OF SCHOOLS AND COLLEGES OF OPTOMETRY
6110 Executive Blvd., Suite 510
Rockville, MD 20852
(301) 231-5944
www.opted.org

ASSOCIATION OF SOCIAL WORK BOARDS
400 South Ridge Parkway, Suite B
Culpeper, VA 22701
(800) 225-6880
www.aswb.org

ASSOCIATION OF SURGICAL TECHNOLOGISTS
7108 -C South Alton Way
Centennial, CO 80112
(303) 694-9130
www.ast.org

ASSOCIATION OF UNIVERSITY PROGRAMS IN HEALTH ADMINISTRATION
2000 N 14th Street, Suite 780
Arlington, VA 22201
(703) 894-0940
www.aupha.org

BIOMEDICAL ENGINEERING SOCIETY
8401 Corporate Drive, Suite 225
Landover, MD 20785
(301) 459-1999
www.bmes.org

CARDIOVASCULAR CREDENTIALING INTERNATIONAL
1500 Sunday Drive, Suite 102
Raleigh, NC 27607
(800) 326-0268
www.cci-online.org

CLINICAL LABORATORY MANAGEMENT ASSOCIATION
989 Old Eagle School Road
Suite 815
Wayne, PA 19087
(610) 995-9580
www.clma.org

COMMISSION OF OPTICIANRY ACCREDITATION
7023 Little River Turnpike, Suite 207
Annandale, VA 22003
(703) 940-9134
www.coaccreditation.com

COMMISSION ON ACCREDITATION OF ALLIED HEALTH PROGRAMS
35 East Wacker Drive, Suite 1970
Chicago, IL 60601
(312) 553-9355
www.caahep.org
Professional Organizations

**COMMITTEE ON ACCREDITATION OF RESPIRATORY CARE**
1248 Harwood Road
Bedford, TX 76021
(817) 283-2835
www.coarc.com

**CONTACT LENS SOCIETY OF AMERICA**
441 Carlisle Drive
Herndon, VA 20170
(703) 437-5100
www.clsa.info

**COUNCIL FOR STANDARDS IN HUMAN SERVICE EDUCATION**
www.cshse.org

**COUNCIL OF STATE AND TERRITORIAL EPIDEMIOLOGISTS**
2872 Woodstock Boulevard, Suite 303
Atlanta, GA 30341
(770) 458-3811
www.cste.org

**DENTAL ASSISTING NATIONAL BOARD**
676 North St. Clair, Suite 1880
Chicago, IL 60611
(800) 367-3262
www.danb.org

**DENTAL HYGIENISTS’ ASSOCIATION OF THE STATE OF NEW YORK**
706 Quaker Lane
Delanson, NY 12053
(518) 895-2836
www.dhnsny.org

**EMERGENCY NURSES ASSOCIATION**
915 Lee Street
Des Plaines, IL 60016
(800) 900-9659
wwwENA.org

**FEDERATION OF CHIROPRACTIC LICENSING BOARDS**
901 54th Avenue, Suite 101
Greeley, CO 80634
(970) 356-3262
www.fclb.org

**HEALTH AND SCIENCES COMMUNICATIONS ASSOCIATION**
39 Wedgewood Drive, Suite A
Jewett City, CT 6351
(860) 376-5915
www.hesca.org

**HEALTH CARE INFORMATION AND MANAGEMENT SYSTEMS**
230 E. Ohio Street, Suite 500
Chicago, IL 60611
(312) 664-4467
www.hims.org

**INSTITUTE OF FOOD TECHNOLOGIST**
525 W. Van Buren, Suite 1000
Chicago, IL 60607
(312) 782-8424
www.ift.org

**INTERNATIONAL ASSOCIATION OF ADMINISTRATIVE PROFESSIONALS**
10502 NW Ambassador Drive
Kansas City, MO 64195
(816) 891-6600
www.iaap-hq.org

**INTERNATIONAL ASSOCIATION OF BUSINESS COMMUNICATIONS**
1 Hallidie Plaza, Suite 600
San Francisco, CA 94102
(415) 433-3400
www.iabc.com

**INTERNATIONAL SOCIETY FOR CELLULAR THERAPY**
570 West 7th Avenue, Suite 402
Vancouver, BC Canada V5Z 1B3
(604) 874-4366
www.celltherapy.org

**JOINT COMMISSION ON ALLIED HEALTH PERSONNEL IN OPHTHALMOLOGY**
2025 Woodland Drive
St. Paul, MN 55125
(800) 284-3937
www.jcahpo.org

**JOINT REVIEW COMMITTEE ON ELECTROENEURODIAGNOSTIC TECHNOLOGY**
3350 South 198th Road
Goodson, MO 65659
(417) 253-5810
www.cahep.org

**JUNIOR ENGINEERING TECHNICAL SOCIETY**
1420 King Street, Suite 405
Alexandria, VA 22314
(703) 548-5387
www.jets.org

**MEDICAL DOSIMETRIST CERTIFICATION BOARD**
P.O. Box 51627
Albuquerque, NM 87181
(866) 813-6322
www.mdcb.org

**MEDICAL LIBRARY ASSOCIATION**
65 East Wacker Place, Suite 1900
Chicago, IL 60601
(312) 419-9094
www.mlanet.org

**MEDICAL GROUP MANAGEMENT ASSOCIATION**
P.O. Box 17603
Denver, CO 80217
(877) 275-6462
www.mgma.com

**MEDICAL SOCIETY OF THE STATE OF NEW YORK**
420 Lakeville Road
P.O. Box 5404
Lake Success, NY 11042
(516) 488-6100
www.mssny.org

**NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES**
8410 W. Bryn Mawr Avenue, Suite 670
Chicago, IL 60631
(773) 714-8880
www.naaccls.org

**NATIONAL ASSOCIATION FOR HOME CARE AND HOSPICE**
238 Seventh Street, SE
Washington, DC 20003
(202) 547-7424
www.nahc.org

**NATIONAL ASSOCIATION FOR MUSIC THERAPY**
8455 Colesville Road, Suite 1000
Silver Spring, MD 20910
(301) 589-3300
www.namt.com

**NATIONAL ASSOCIATION FOR PRACTICAL NURSE EDUCATION AND SERVICE, INC.**
1400 Spring Street, Suite 330
Silver Spring, MD 20910
(301) 588-2401
www.napnes.org

90 www.abec.buffalo.edu
## Professional Organizations

<table>
<thead>
<tr>
<th>National Association of Boards of Pharmacy</th>
<th>National Board for Respiratory Care, Inc.</th>
<th>National Council of State Boards of Nursing</th>
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<tr>
<td>700 Busse Highway</td>
<td>8310 Nieman Rd</td>
<td>111 East Wacker Drive, Suite 2900</td>
</tr>
<tr>
<td>Park Ridge, IL 60068</td>
<td>Lenexa, KS 66214</td>
<td>Chicago, IL 60601</td>
</tr>
<tr>
<td>(847) 698-6227</td>
<td>(913) 599-4200</td>
<td>(312) 525-3600</td>
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<td><a href="http://www.nabp.org">www.nabp.org</a></td>
<td><a href="http://www.nbrc.org">www.nbrc.org</a></td>
<td><a href="http://www.ncsbn.org">www.ncsbn.org</a></td>
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<th>National Board of Chiropractic Examiners</th>
<th>National Credentialing Agency for Medical Laboratory Personnel, Inc.</th>
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<tr>
<td>1530 Metropolitan Blvd.</td>
<td>901 54th Avenue</td>
<td>P.O. Box 15945-289</td>
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<tr>
<td>Tallahassee, FL 32308</td>
<td>Greenley, CO 80634</td>
<td>Lenexa, KS 66285</td>
</tr>
<tr>
<td>(800) 950-1150</td>
<td>(970) 356-9100</td>
<td>(913) 438-5110 x-647</td>
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<td><a href="http://www.nadl.org">www.nadl.org</a></td>
<td><a href="http://www.nbce.org">www.nbce.org</a></td>
<td><a href="http://www.nca-info.org">www.nca-info.org</a></td>
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<th>National Association of Emergency Medical Technicians</th>
<th>National Board of Examiners in Optometry</th>
<th>National Dental Association</th>
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<tr>
<td>P. O. Box 1400</td>
<td>4340 East West Highway, Suite 1010</td>
<td>3517 16th Street, NW</td>
</tr>
<tr>
<td>Clinton, MS 39036</td>
<td>Bethesda, MD 20814</td>
<td>Washington, DC 20010</td>
</tr>
<tr>
<td>(800) 346-2568</td>
<td>(800) 969-3926</td>
<td>(202) 588-1697</td>
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<tr>
<td><a href="http://www.naemt.org">www.naemt.org</a></td>
<td><a href="http://www.optometry.org">www.optometry.org</a></td>
<td><a href="http://www.ndaonline.org">www.ndaonline.org</a></td>
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<th>National Association of Puerto Rican/Hispanic Social Workers</th>
<th>National Board of Medical Examiners</th>
<th>National Environmental Health Association</th>
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<tr>
<td>P. O. Box 651</td>
<td>3750 Market Street</td>
<td>720 S. Colorado Blvd., Suite 970-S</td>
</tr>
<tr>
<td>Brentwood, NY 11717</td>
<td>Philadelphia, PA 19104</td>
<td>Denver, CO 80246</td>
</tr>
<tr>
<td>(631) 864-1536</td>
<td>(215) 590-9500</td>
<td>(303) 756-9900</td>
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<td><a href="http://www.naprbsw.org">www.naprbsw.org</a></td>
<td><a href="http://www.nbme.org">www.nbme.org</a></td>
<td><a href="http://www.neha.org">www.neha.org</a></td>
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<th>National Association of Social Workers</th>
<th>National Board of Osteopathic Medical Examiners</th>
<th>National Federation of Licensed Practical Nurses, Inc.</th>
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<tr>
<td>750 First, Street NE, Suite 700</td>
<td>8765 W. Higgins Road, Suite 200</td>
<td>605 Poole Drive</td>
</tr>
<tr>
<td>Washington, DC 20002</td>
<td>Chicago, IL 60651</td>
<td>Garner, NC 27532</td>
</tr>
<tr>
<td>(202) 408-8600</td>
<td>(773) 714-0622</td>
<td>(800) 779-0046</td>
</tr>
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<td><a href="http://www.naswvc.org">www.naswvc.org</a></td>
<td><a href="http://www.nbome.org">www.nbome.org</a></td>
<td><a href="http://www.nflpn.org">www.nflpn.org</a></td>
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<tr>
<th>National Athletic Trainers’ Association</th>
<th>National Commission on Certification of Physician Assistants</th>
<th>National League for Nursing</th>
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<tbody>
<tr>
<td>2952 Stemmons Freeway</td>
<td>12000 Findley Road, Suite 200</td>
<td>61 Broadway</td>
</tr>
<tr>
<td>Dallas, TX 75247</td>
<td>Duluth, GA 30097</td>
<td>New York, NY 10006</td>
</tr>
<tr>
<td>(214) 637-6282</td>
<td>(678) 417-8100</td>
<td>(800) 669-1656</td>
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<tr>
<td><a href="http://www.nata.org">www.nata.org</a></td>
<td><a href="http://www.ncpna.net">www.ncpna.net</a></td>
<td><a href="http://www.nlfn.org">www.nlfn.org</a></td>
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<th>National Board for Certification in Dental Technology</th>
<th>National Community Pharmacists Association</th>
<th>National Organization for Human Service Education</th>
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<tr>
<td>1530 Metropolitan Blvd.</td>
<td>205 Daingerfield Avenue</td>
<td>9001 Braddock Road, Suite 380</td>
</tr>
<tr>
<td>Tallahassee, FL 32308</td>
<td>Alexandria, VA 22314</td>
<td>Springfield, VA 22151</td>
</tr>
<tr>
<td>(800)950-1180</td>
<td>(800) 544-7447</td>
<td>(703) 323-9896</td>
</tr>
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<td><a href="http://www.nadl.org">www.nadl.org</a></td>
<td><a href="http://www.ncpanet.org">www.ncpanet.org</a></td>
<td><a href="http://www.nohse.com">www.nohse.com</a></td>
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<tr>
<th>National Board for Certification in Occupational Therapy, Inc.</th>
<th>National Council for Therapeutic Recreation Certification</th>
<th>National Organization of Nurse Practitioners Faculties</th>
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<tbody>
<tr>
<td>800 South Frederick Avenue, Suite 200</td>
<td>7 Elmwood Drive</td>
<td>1522 K Street, NW, Suite 702</td>
</tr>
<tr>
<td>Gaithersburg, MD 20877</td>
<td>New City, NY 10956</td>
<td>Washington, DC 20005</td>
</tr>
<tr>
<td>(301) 990-7979</td>
<td>(845) 639-1439</td>
<td>(202) 289-8044</td>
</tr>
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<td><a href="http://www.nbot.org">www.nbot.org</a></td>
<td><a href="http://www.ncrcc.org">www.ncrcc.org</a></td>
<td><a href="http://www.nonpf.com">www.nonpf.com</a></td>
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## Professional Organizations

<table>
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<tr>
<th>National Rehabilitation Association</th>
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<tbody>
<tr>
<td>633 S. Washington Street</td>
</tr>
<tr>
<td>Alexandria, VA 22314</td>
</tr>
<tr>
<td>(703) 836-0850</td>
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<tr>
<td><a href="http://www.nationalrehab.org">www.nationalrehab.org</a></td>
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<table>
<thead>
<tr>
<th>National Rehabilitation Counseling Association</th>
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<tbody>
<tr>
<td>8807 Sudley Road, Suite 102</td>
</tr>
<tr>
<td>Manassas, VA 22110</td>
</tr>
<tr>
<td>(518) 452-2515</td>
</tr>
<tr>
<td>nrca-net.org</td>
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<thead>
<tr>
<th>National Society for Histotechnology</th>
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<tbody>
<tr>
<td>4201 Northview Drive, Suite 502</td>
</tr>
<tr>
<td>Bowie, MD 20716</td>
</tr>
<tr>
<td>(301) 262-6221</td>
</tr>
<tr>
<td><a href="http://www.nsh.org">www.nsh.org</a></td>
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<tr>
<th>National Society of Genetic Counselors</th>
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<tbody>
<tr>
<td>233 Centerbury Drive</td>
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<tr>
<td>Wallingford, PA 19086</td>
</tr>
<tr>
<td>(610) 872-7608</td>
</tr>
<tr>
<td><a href="http://www.nsgc.org">www.nsgc.org</a></td>
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<tr>
<th>National Student Nurses’ Association</th>
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<tbody>
<tr>
<td>45 Main Street, Suite 606</td>
</tr>
<tr>
<td>Brooklyn, NY 11201</td>
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<tr>
<td>(718) 210-0705</td>
</tr>
<tr>
<td><a href="http://www.nsna.org">www.nsna.org</a></td>
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<th>National Therapeutic Recreation Society</th>
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<tr>
<td>22377 Belmont Ridge Road</td>
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<tr>
<td>Asburn, VA 20148</td>
</tr>
<tr>
<td>(703) 858-0784</td>
</tr>
<tr>
<td><a href="http://www.nrpa.org">www.nrpa.org</a></td>
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<tr>
<th>New York Chiropractic Council</th>
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<tbody>
<tr>
<td>65-23 70th Avenue</td>
</tr>
<tr>
<td>Glendale, NY 11385</td>
</tr>
<tr>
<td>(800) 426-6022</td>
</tr>
<tr>
<td><a href="http://www.nycouncil.org">www.nycouncil.org</a></td>
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<tr>
<th>New York Organization of Nurse Executives</th>
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<tbody>
<tr>
<td>One Empire Drive</td>
</tr>
<tr>
<td>Rensselaer, NY 12144</td>
</tr>
<tr>
<td>(518) 431-7700</td>
</tr>
<tr>
<td><a href="http://www.nyone.org">www.nyone.org</a></td>
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<tr>
<th>New York State Chiropractic Association</th>
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<tbody>
<tr>
<td>P.O. Box 40</td>
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<tr>
<td>Kattskill Bay, NY 12844</td>
</tr>
<tr>
<td>(518) 785-6346</td>
</tr>
<tr>
<td><a href="http://www.nysca.com">www.nysca.com</a></td>
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<tr>
<th>New York State Council for Health-System Pharmacists</th>
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<tbody>
<tr>
<td>435 New Karner Road</td>
</tr>
<tr>
<td>Albany, NY 12005</td>
</tr>
<tr>
<td>(518) 456-8819</td>
</tr>
<tr>
<td><a href="http://www.nyscpma.org">www.nyscpma.org</a></td>
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<tr>
<th>New York State Dental Association</th>
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<tbody>
<tr>
<td>121 State Street</td>
</tr>
<tr>
<td>Albany, NY 12207</td>
</tr>
<tr>
<td>(518) 465-0044</td>
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<tr>
<td><a href="http://www.nysdental.org">www.nysdental.org</a></td>
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<tr>
<th>New York State Dietetic Association</th>
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<tbody>
<tr>
<td>P.O. Box 30953</td>
</tr>
<tr>
<td>New York, NY 10011</td>
</tr>
<tr>
<td>(212) 691-7906</td>
</tr>
<tr>
<td><a href="http://www.eatrightny.org">www.eatrightny.org</a></td>
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<tr>
<th>New York State Nurses Association</th>
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<tbody>
<tr>
<td>11 Cornell Road</td>
</tr>
<tr>
<td>Latham, NY 12110</td>
</tr>
<tr>
<td>(518) 782-9400</td>
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<tr>
<td><a href="http://www.nysna.org">www.nysna.org</a></td>
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<th>New York State Occupational Therapy Association</th>
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<tbody>
<tr>
<td>17 Brooks Drive</td>
</tr>
<tr>
<td>Stony Point, NY 10980</td>
</tr>
<tr>
<td>(845) 947-0377</td>
</tr>
<tr>
<td><a href="http://www.nysota.org">www.nysota.org</a></td>
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<tr>
<th>New York State Optometric Association</th>
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<tbody>
<tr>
<td>90 South Swan Street</td>
</tr>
<tr>
<td>Albany, NY 12210</td>
</tr>
<tr>
<td>(518) 449-7300</td>
</tr>
<tr>
<td><a href="http://www.nysoa.org">www.nysoa.org</a></td>
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<tr>
<th>New York State Osteopathic Medical Society</th>
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<tbody>
<tr>
<td>1855 Broadway, Suite 718</td>
</tr>
<tr>
<td>New York, NY 10023</td>
</tr>
<tr>
<td>(800) 841-4131</td>
</tr>
<tr>
<td><a href="http://www.nysoms.org">www.nysoms.org</a></td>
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<tr>
<th>New York State Physical Therapy Association</th>
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<tbody>
<tr>
<td>5 Palisades Drive, Suite 330</td>
</tr>
<tr>
<td>Albany, NY 12205</td>
</tr>
<tr>
<td>(518) 499-4499</td>
</tr>
<tr>
<td><a href="http://www.nyspta.org">www.nyspta.org</a></td>
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<tr>
<th>New York State Podiatric Medical Association</th>
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<tbody>
<tr>
<td>1255 Fifth Avenue</td>
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<tr>
<td>New York, NY 10029</td>
</tr>
<tr>
<td>(866) 996-4400</td>
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<tr>
<td><a href="http://www.nyspma.org">www.nyspma.org</a></td>
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<tr>
<th>New York State Psychological Association</th>
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<tbody>
<tr>
<td>6 Executive Park Drive</td>
</tr>
<tr>
<td>Albany, NY 12203</td>
</tr>
<tr>
<td>(800) 732-3933</td>
</tr>
<tr>
<td><a href="http://www.nyspa.org">www.nyspa.org</a></td>
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<tr>
<th>New York State Society for Respiratory Care, Inc.</th>
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<tbody>
<tr>
<td>P.O. Box 3732</td>
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<tr>
<td>Syracuse, NY 13235</td>
</tr>
<tr>
<td>(631) 695-1724</td>
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<tr>
<td><a href="http://www.nyssrc.org">www.nyssrc.org</a></td>
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<thead>
<tr>
<th>New York State Society of Opticians, Inc.</th>
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<tbody>
<tr>
<td>48 Howard Street</td>
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<tr>
<td>Albany, NY 12207</td>
</tr>
<tr>
<td>(518) 426-0599</td>
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<tr>
<td><a href="http://www.nyssoa.org">www.nyssoa.org</a></td>
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<tr>
<th>New York State Society of Physician Assistants</th>
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<tbody>
<tr>
<td>251 New Karner Road, Suite 10A</td>
</tr>
<tr>
<td>Albany, NY 12205</td>
</tr>
<tr>
<td>(877) 769-7722</td>
</tr>
<tr>
<td><a href="http://www.nyspaa.org">www.nyspaa.org</a></td>
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<tr>
<th>New York State Speech-Language-Hearing Association</th>
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<tbody>
<tr>
<td>1 Northway Lane</td>
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<tr>
<td>Latham, NY 12110</td>
</tr>
<tr>
<td>(518) 786-0947</td>
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<tr>
<td><a href="http://www.nyslha.org">www.nyslha.org</a></td>
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<tr>
<th>New York State Therapeutic Recreation Association</th>
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<tbody>
<tr>
<td>P.O. Box 179</td>
</tr>
<tr>
<td>Riverdale Station Bronx, NY 10471</td>
</tr>
<tr>
<td><a href="http://www.nystra.org">www.nystra.org</a></td>
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APPENDIX B

Professional Organizations

NORTHEAST REGIONAL BOARD OF DENTAL EXAMINERS
8484 Georgia Avenue, Suite 900
Silver Spring, MD 20910
(301) 563-3300
www.nerb.org

NUCLEAR MEDICINE TECHNOLOGY CERTIFICATION BOARD
2970 Clairmont Road, Suite 935
Atlanta, GA 30329
(404) 315-1739
www.nmtcb.org

PHARMACISTS SOCIETY OF THE STATE OF NEW YORK
210 Washington Avenue Extension
Albany, NY 12203
(800) 632-8822
www.pssny.org

PUBLIC RELATIONS SOCIETY OF AMERICA
33 Irving Place
New York, NY 10003
(212) 995-2230
www.prsa.org

SOCIETY FOR PEDIATRIC AND PERINATAL EPIDEMIOLOGY
403 Rosenau Hall
CB#7445
UNC-CH School of Public Health
Chapel Hill, NC 27599
(919) 962-8410
www.sper.org

SOCIETY FOR VASCULAR ULTRASOUND
4601 Presidents Drive, Suite 260
Lanham, MD 20706-4831
(301) 459-7550
www.svunet.org

SOCIETY OF DIAGNOSTIC MEDICAL SONOGRAPHERS
2745 Dallas Parkway, Suite 350
Plano, TX 75093
(800) 229-9506
www.sdms.org

SOCIETY OF EPIDEMIOLOGIC RESEARCH
P.O. Box 990
Clearfield, UT 84098
(801) 525-0231
www.epiresearch.org

SOCIETY OF NUCLEAR MEDICINE
1850 Samuel Morse Drive
Reston, VA 20190
(703) 708-9000
www.snm.org

THE NURSE PRACTITIONER ASSOCIATION NEW YORK STATE
12 Corporate Drive
Clifton Park, NY 12065
(518) 348-0719
www.thenpa.org

US MEDICAL LICENSING EXAM
3750 Market Street
Philadelphia, PA 19104
(215) 590-9700
www.usmle.org

WORLD FEDERATION OF CHIROPRACTIC
1246 Younge Street, Suite 202/203
Toronto, Ontario
Canada M4T 1W5
(416) 484-9978
www.wfc.org
The New York State Area Health Education Center (AHEC) System is working to increase the number of students entering primary care and other health professions programs by promoting health professions as a viable option for elementary, middle, secondary, community college, and college students, particularly those who are from disadvantaged and underrepresented minority backgrounds.

What does AHEC do to promote careers in health care in New York State communities? AHEC participates in school career fairs, visits classrooms to talk about health careers, and sponsors summer camps and educational programs for students that promote careers in health.

Contact the AHEC in your area for more information on any health career you may be interested in or visit the AHEC website at www.ahec.buffalo.edu

NEW YORK STATE AHEC SYSTEM OFFICES

1. Statewide Office
   University at Buffalo, Department of Family Medicine
   462 Grider Street
   Buffalo, NY 14215
   (716) 898-4699
   www.ahec.buffalo.edu

2. Central Region Office
   SUNY, Upstate Medical University
   475 Irving Avenue, Suite 204A
   Syracuse, NY 13210
   (315) 464-7027
   www.upstate.edu/fmed/ahec

3. Eastern Region Office
   Department of Family and Community Medicine
   Albany Medical College
   Bolton Hall (MC127)
   405 Myrtle Avenue
   Albany, NY 12208
   (518) 262-9902

4. New York Metropolitan Region Office
   The Institute for Urban Family Health
   16 E. 16th Street
   New York, NY 10003
   (212) 633-0800
Information about the New York State Area Health Education Center System

**CENTER OFFICES**

5 **Bronx Westchester AHEC**
930 Grand Concourse, Suite 1A
Bronx, NY 10451
(718) 590-1110

6 **Brooklyn-Queens-Long Island AHEC**
408 Jay Street, Suite 400
Brooklyn, NY 11201
(718) 797-1558
www.bqliahec.org

7 **Catskill Hudson AHEC**
P. O. Box 69
New Paltz, NY 12561
(845) 883-7260
www.catskillhudsonahec.org

8 **Central New York AHEC**
10 Kennedy Parkway
Cortland, NY 13045
(607) 756-1090
www.cnyahec.org

9 **Erie Niagara AHEC**
Buffalo State College
1300 Elmwood Avenue
210 Cleveland Hall
Buffalo, NY 14222
(716) 878-3857

10 **Hudson-Mohawk AHEC**
One Broad Street Plaza
Glens Falls, NY 12801
(518) 480-2432
www.HMAHEC.org

11 **Manhattan-Staten Island AHEC**
The Institute for Urban Family Health
16 E. 16th Street
New York, NY 10003
(212) 633-0800 x 340

12 **Northern AHEC**
105 Main Street
Canton, NY 13617
(315) 379-7701
www.careersinhealth.org

13 **Western New York Rural AHEC**
56 Harvester Avenue
Third Floor, Suite 1
Batavia, NY 14020
(585) 344-1022
www.r-ahec.org
APPENDIX D

High School Timetable

Junior Year

SEPTEMBER-OCTOBER
- Find out about the SAT or ACT college assessment tests.
- Find out about college prep courses for high school seniors.
- Consider taking the PSAT/NMSQT – ask your counselor or College Advisor.

MARCH - MAY
- Talk about your after-high school plans with your family and with your guidance counselor or College Advisor.
- Check your high school guidance office for announcements of college representatives visiting your school.
- Register for SAT I/II or ACT.
- Review the academic course selection for your high school senior year. Make sure you are going to meet admission requirements for your first-choice colleges.
- Start a college application file.
- Find out about college-prep summer programs.

JUNE
- Begin work on your college essays.
- Take SAT I/II or ACT.
- Write a resume to help you later on in the college application process.
- Request college catalogs and applications for admission. You can do this on-line at college Web sites.
- Prepare a list of colleges to visit during the summer and schedule appointments.
- Start getting letters of recommendation from your teachers.
- Find out about financial aid available through church groups, labor unions, and other organizations.

JULY – AUGUST
- Go on college visits.
- Get a Social Security number, if you don’t have one.
- Earn and save money for college.

Senior Year

SEPTEMBER
- Register for SAT I/II or ACT; your counselor will advise which one you should take.
- Be sure your courses meet the requirements for high school graduation.
- Get letters of recommendation from teachers, employers, and others who know you well.
- Decide whether you should apply for an “early decision admission.”
- Plan to visit colleges to which you are applying. You can do “virtual tours” on many college Web sites.
- Review deadlines for specific college admission applications.

OCTOBER
- Make a final check and review of your school records, with your counselor or College Advisor.
- Attend college nights or conferences.
- Register for SAT I/II or ACT if you have not yet done so.
- Work on applications; request transcripts be sent to the colleges to which you are applying.
- Schedule a planning conference with your College Advisor/guidance counselor.
- Apply for any scholarships/awards from local groups/organizations.
- Attend the college fair in your area!
High School Timetable

NOVEMBER
• Consult your College Advisor/guidance counselor and college catalogs or web sites for any required achievement tests other than SAT or ACT.
• Attend financial aid workshops and seminars.
• Complete and submit your admissions applications and essays, if required.
• Register for SAT I/II or ACT if you have not yet done so.
• Check bulletin boards for financial aid workshops, scholarship announcements and visits by college representatives.

DECEMBER
• Get Federal Student Aid Personal Identification Numbers (PIN) for you and your parents (for parent loans).
• Get student financial aid forms from the guidance office if not applying on-line.
• Check college aid application due dates.
• Colleges send early admissions notices.
• Talk to alumni and college friends during the holidays. Ask them about their college experiences.

JANUARY
• Attend financial aid application workshops.
• File the FAFSA and, if required, the college’s financial aid application form.
• File your TAP Application online at the end of the FAFSA.
• Remind your family to keep copies of all tax returns.
• Are all your college applications submitted? Any deadlines approaching?
• Keep track of all applications in your college folder.
• Check bulletin board for scholarships and financial aid information.

FEBRUARY
• Colleges may ask for your mid-year high school grade report.
• Keep all correspondence from the colleges and government aid offices in your college folder.

MARCH
• Colleges begin to send acceptance notices.
• File your completed (paper) Express TAP Application. It will be sent to you approximately three weeks after you submit the paper FAFSA.
• Register for Advanced Placement (AP) examinations, if needed.
• Check your financial aid status at your college or university. Check Your TAP Award or Loan Account Status.
• Start looking for a summer job.

APRIL
• If you are accepted by a college, you must make an enrollment decision, accept or refuse the financial aid offered, and send in the required housing and tuition deposits.
• Colleges send out financial aid packages to accepted students. If you have any questions, review your financial aid package with the college financial aid office.

MAY
• Send thank you notes to all those who assisted you, including your College Advisor/guidance counselor, secretaries and teachers.
• Notify the colleges which you decided not to attend. If you decline admission, and have received an aid package, notify the college financial aid office so it can offer the award to another student.
• If you have to borrow money from the Federal Family Education Loan Program (FFEL) or Federal Direct Student Loan Program, you will have to sign a promissory note which guarantees you will repay the loan.

JUNE – AUGUST
• Notify your high school guidance office of any scholarships received.
• Use your summer job to help finance your education.
• Get ready for your first year of college!

Source: The New York State Higher Education Services Corporation (HESC). Your College Admission and Financial Aid Calendar is available online at: www.hesc.com/bulletin.nsf/
Grants, Scholarships and Awards

TUITION ASSISTANCE PROGRAM (TAP)
The Tuition Assistance Program (TAP) is New York’s largest grant program. It helps eligible New York residents attending in-state post-secondary institutions pay for tuition. TAP grants are up to $5,000, based on the applicant and family New York State net taxable income.

FEDERAL PELL GRANT
A federal Pell Grant is based on financial need. Pell Grants are awarded to undergraduate students who have not yet earned a bachelor’s or a professional degree.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (FSEOG)
The FSEOG is for undergraduates with exceptional financial need. Priority is given to students who receive federal Pell Grants. FSEOG is awarded by the college financial aid office, based on the student’s Free Application for Federal Student Aid (FAFSA) application.

GRADUATE AND PROFESSIONAL STUDENT
There are many student financial aid programs available for graduate study in New York State.

INSTITUTIONAL GRANTS
Colleges provide institutional grants to help make up the difference between college costs and what a family can be expected to contribute through income, savings, loans, and student earnings. Awards may be based on academic merit, artistic or athletic talent, financial need or other factors.

AID FOR PART TIME STUDY
The Aid for Part-Time Study (APTS) program provides grant assistance for eligible part-time students enrolled in approved undergraduate studies.

AMERICORPS EDUCATION AWARD
An educational award given to New York State residents interested in high quality opportunities in community service activities.

CHILD OF VETERAN
Students whose parent(s) served in the U.S. Armed Forces during specified periods of war or national emergency.

MEMORIAL SCHOLARSHIP
Memorial Scholarships provide financial aid to children, spouses and financial dependents of deceased firefighters, volunteer firefighters, police officers, peace officers, and emergency medical service workers who have died as the result of injuries sustained in the line of duty in service to the State of New York. Student must establish eligibility by submitting a Memorial Scholarship Supplement. Students who study in New York State are eligible to receive this scholarship.

MILITARY SERVICE RECOGNITION SCHOLARSHIP (MSRS)
MSRS provides financial aid to children, spouses and financial dependents of members of the armed forces of the United States or state organized militia who, at any time on or after August 2, 1990, while New York State residents, died or became severely and permanently disabled while engaged in hostilities or training for hostilities. Student must establish eligibility by submitting a Military Service Recognition Scholarship Supplement. Students who study in New York State are eligible to receive this scholarship.

NEW YORK STATE SCHOLARSHIP FOR ACADEMIC EXCELLENCE
Scholarships for Academic Excellence provide up to $1,500 per year for up to five years of undergraduate study in New York State.

NEW YORK LOTTERY LEADERS OF TOMORROW SCHOLARSHIP
One student from every public and non-public school that applies will be awarded a scholarship. Students who study in New York State are eligible to receive this scholarship.

NEW YORK STATE VOLUNTEER RECRUITMENT SERVICE SCHOLARSHIP
New York State offers scholarships to new members of volunteer fire companies and volunteer ambulance squads. For study in New York State. Applications may be obtained by contacting the Scholarship Unit at (888) 697-4372.

PERSIAN GULF VETERANS TUITION AWARD
Persian Gulf veterans matriculated at an undergraduate or graduate degree-granting institution or in an approved vocational training program in New York State are eligible for awards for full or part-time study.

REGENTS HEALTH CARE OPPORTUNITY
New York State Regents Health Care Opportunity Scholarships are awarded annually to students studying medicine or dentistry in New York State.

REGENTS PROFESSIONAL OPPORTUNITY SCHOLARSHIP
Students pursuing a career in one of several professions may be eligible to apply for the New York State Regents Professional Opportunity Scholarships. Students who study in New York State are eligible to receive this scholarship.

ROBERT C. BYRD
This competitive federal honors program provides scholarships to academically talented high school seniors who are New York State residents and plan to attend any approved institution of higher education in the United States.

STATE AID TO NATIVE AMERICANS
Are you an enrolled member of a New York State tribe or the child of an enrolled member of a New York State tribe? You may be eligible for an award through the Aid to Native Americans Program. Students who study in New York State are eligible to receive this scholarship.

VIETNAM VETERANS TUITION AWARD
Vietnam veterans matriculated at an undergraduate or graduate degree-granting institution or in an approved vocational training program in New York State are eligible for awards for full or part-time study.

WORLD TRADE CENTER MEMORIAL SCHOLARSHIP
The World Trade Center Memorial Scholarship guarantees access to a college education for the families and financial dependents of innocent victims who died or were severely and permanently disabled as a result of the September 11, 2001 terrorist attacks on the United States of America and rescue and recovery efforts.
Financial Aid Information

Tax Credits, Savings

NEW YORK STATE TUITION TAX CREDIT/DEDUCTION
NYS resident taxpayers may claim a deduction or a refundable credit for allowable undergraduate tuition paid for themselves, their spouse, or dependents enrolled in qualified institutions.

HOPE SCHOLARSHIP CREDIT
A tax credit of up to $1,500 for the net cost (less certain financial aid) of tuition/fees in each of the first two years of postsecondary education for each student in the family.

LIFETIME LEARNING TAX CREDIT
Maximum tax credit of up to $2,000 after the first two years of undergraduate, graduate/professional or part-time postsecondary study.

EDUCATION LOAN INTEREST DEDUCTION
A $2,500 tax deduction for the interest paid in the first 60 months of repayment on a qualified student education loan.

START A COLLEGE SAVINGS ACCOUNT
Anyone - parents, grandparents, uncles, aunts, and friends can open an account with New York's 529 College Savings Program and enjoy tax advantages, flexibility, low costs and convenience of helping a child go to college.

Loans and Work Study

FEDERAL STAFFORD LOAN PROGRAM (SUBSIDIZED AND UNSUBSIDIZED)
Students may borrow subsidized and unsubsidized loans, and parents may borrow Federal Parent Loans for Undergraduate Students (PLUS) loans with the Higher Education Services Corporation’s (HESC) guaranty under the Federal Family Education Loan (FFEL) program. The interest rate for new student borrowers is variable and may change annually on July 1. Currently, student loan interest rates are 2.82% while in school and in either grace or deferment periods; 3.42% in repayment.

GRADUATE AND PROFESSIONAL STUDENT
There are many student financial aid programs available for graduate study in New York State.

FEDERAL PERKINS LOAN
A Federal Perkins Loan is a low-interest loan for both undergraduate and graduate students with financial need. Your school is your lender. The loan is made with government funds, and your school contributes a share. You must repay this loan to your school.

FEDERAL PARENT LOANS FOR UNDERGRADUATE STUDENTS (PLUS)
Your parents can take out a PLUS loan to pay for your education expenses if you’re a dependent undergraduate student enrolled at least half time.

CONSOLIDATION LOAN
A Consolidation Loan can help you (and your parents, if they borrowed for you) simplify loan repayment. Consolidation allows you to combine two or more federal student loans with various repayment schedules into one new loan. The interest rate on the Consolidation Loan might be lower than what you’re currently paying on one or more of your loans. Even if you’re in default on a federal student loan, you might be eligible for a Consolidation Loan if you meet certain conditions.

FEDERAL WORK-STUDY (FWS)
The Federal Work-Study Program provides jobs for undergraduate and graduate students with financial need, allowing them to earn money to help pay education expenses. The program encourages community service work and work related to each student’s course of study. FWS is administered by the college financial aid office.

For additional information about the programs listed above and direct links to each programs’ web site, visit The New York State Higher Education Services Corporation web site online at: http://www.hesc.com/bulletin.nsf/. 

# Index

| A | Anatomist ........................................... | 60 |
| B | Biomedical Engineer ............................. | 60 |
|   | Biomedical Equipment Technician ............. | 61 |
|   | Biophotographer ................................. | 21 |
|   | Biostatistician .................................. | 56 |
| C | Cardiovascular Technologist/Technician ..... | 14 |
|   | Chiropractor ....................................... | 34 |
|   | Clinical Nurse Specialist .................... | 45 |
|   | Cytotechnologist .................................. | 5 |
| D | Dental Assistant .................................. | 10 |
|   | Dental Hygienist .................................. | 11 |
|   | Dental Laboratory Technician ............... | 10 |
|   | Dentist ............................................. | 11 |
|   | Diagnostic Medical Sonographer ........... | 29 |
|   | Dosimetrist ......................................... | 29 |
| E | Electroneurodiagnostic Technologist ...... | 14 |
|   | Emergency Medical Technician/Paramedic ... | 35 |
|   | Environmental Health Specialist ........... | 56 |
|   | Epidemiologist .................................... | 57 |
| F | Food Scientist ..................................... | 61 |
| G | Genetic Counselor .................................. | 40 |
| H | Health Care Public Relations ................ | 21 |
|   | Health Educator .................................. | 57 |
|   | Health Information Administrator .......... | 22 |
|   | Health Information Technician ............. | 22 |
|   | Health Scientist .................................. | 62 |
|   | Health Services Administrator ............ | 23 |
|   | Histologic Technician/Histotechnologist . | 5 |
|   | Home Health Aide .................................. | 45 |
|   | Human Service Worker .......................... | 40 |
| L | Licensed Practical Nurse ..................... | 46 |
| M | Medical Assistant ............................... | 23 |
|   | Medical Coding Specialist ................... | 24 |
|   | Medical Illustrator ............................. | 24 |
|   | Medical Laboratory Technician ............ | 6 |
|   | Medical Librarian ................................ | 25 |
|   | Medical Secretary ............................... | 25 |
|   | Medical Technologist ........................... | 6 |
|   | Medical Transcriptionist ..................... | 26 |
| N | Nuclear Medicine Technologist ............. | 30 |
|   | Nurse Anesthetist ................................ | 46 |
|   | Nurse Midwife ..................................... | 47 |
|   | Nurse Practitioner ................................ | 47 |
|   | Nursing Assistant/Aide ....................... | 48 |
| O | Occupational Safety Specialist ............ | 62 |
|   | Occupational Therapist ...................... | 66 |
|   | Occupational Therapy Assistant ........... | 66 |
|   | Ophthalmic Assistant/Technician/Technologist | 72 |
|   | Optician ............................................ | 72 |
|   | Optometrist ........................................ | 73 |
| P | Perfusionist ....................................... | 15 |
|   | Pharmaceutical Scientist .................... | 52 |
|   | Pharmacist ......................................... | 53 |
|   | Pharmacy Technician ........................... | 52 |
|   | Phlebotomist ....................................... | 7 |
|   | Physical Therapist ............................. | 67 |
|   | Physical Therapist Assistant .............. | 67 |
|   | Physician ............................................. | 36 |
|   | Physician Assistant ............................ | 35 |
|   | Podiatrist .......................................... | 37 |
|   | Psychiatric Mental Health Technician/Aide | 41 |
|   | Psychologist ....................................... | 41 |
| R | Radiation Therapist ............................. | 30 |
|   | Radiologic Technologist ..................... | 31 |
|   | Recreational Therapist ....................... | 68 |
|   | Registered Dietetic Technician ............ | 18 |
|   | Registered Dietitian ........................... | 18 |
|   | Registered Nurse .................................. | 48 |
|   | Rehabilitation Counselor .................... | 68 |
|   | Respiratory Therapist ....................... | 69 |
| S | Social Worker ..................................... | 42 |
|   | Specialist in Blood Banking Technologist  | 7 |
|   | Speech/Language Pathologist .................. | 69 |
|   | Surgical Technologist ....................... | 37 |
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