

# **Career Majors in Health**

**Medical Assisting**

**Medical Laboratory**

**Nurse Assisting**

**Physical Therapy Aide**

**Professional Health Careers**



# Medical Assisting

Approved by New York State Education Department (NYSED)



MEDICAL ASSISTING is a fast paced rewarding career where your knowledge and skills will be in demand in many health care facilities. A medical assistant is a multi-skilled professional who works with patients and medical staff for the ultimate goal of quality patient care. A versatile member of any health care team, the medical assistant works with the physician in both administrative and clinical procedures in the medical office. Medical Assistants assist the physician with patient examinations and diagnostic procedures, perform EKGs and laboratory procedures. Students will also study anatomy and physiology, hematology, pharmacology and the administrative duties involved in running a medical office. Students spend one year studying medical administrative skills. In the next year, students develop advanced skills of a clinical medical assistant. A clinical internship in the second year of the program will be scheduled. At the completion of the program you will be eligible to apply for national certification as a Medical Assistant if all academic and attendance requirements are successfully completed.

## Work Environment

The medical assistant is prepared for entry-level employment in a variety of occupations in the health care industry. Various job titles are: Medical Assistant, Medical Secretary, Medical Receptionist, Billing Clerk, Insurance Claims Processor and Medical Collections.

## Career Opportunities

Laboratories	HMO's
Medical Clerks	Medical Offices
Clinics	Hospitals
Industry	Urgent Care Centers

## Advanced Standing Available\*

Monroe College  
Pennsylvania College of Technology  
SUNY Canton  
Wilson Tech Adult Program

\*Advanced Standing may be available to those who successfully complete this Tech course. See Articulation Agreements in Handbook.

## Student Supplies

### First-Year Students

1. V-neck top
2. Draw string pants
3. Watch with secondhand

### Second-Year Students

After being approved for clinic, purchase:

1. Zipper top
2. Draw string pants
3. White rubber soled leather shoes or sneakers
4. White crew socks or stockings
5. White crew neck tee shirt
6. Watch with second hand
7. Black stethoscope
8. Name tag
9. Physical Examination

\*Check with teacher for scrubs/uniform specifications and supplies.

## Helpful Preparatory Courses

Biology

## Academic Credits integrated:

Tech Math, Tech Phys Sci, Eng 12, Health, CFM, Comp App

## CTE Endorsement

Students must successfully meet the academic and attendance criteria for a two-year Wilson Tech Certificate of Completion, be High School diploma eligible, and pass the following national certification exam: National Center for Competency Testing (NCCT)

Medical Assisting exam and complete the clinical internship.

## Course Outline

Communications  
 Medical Law and Ethics  
 Anatomy & Physiology  
 Phlebotomy/Venipuncture  
 First Aid  
 Laboratory Procedures  
 Pharmacology  
 Clinical Practices  
 Sterilization Techniques  
 Infection Control  
 Medical Terminology  
 Electrocardiography  
 Medical Specialties  
 Electronic Health Records  
 Medical Administrative Duties  
 Accounts Management  
 Office Management  
 Billing Procedures  
 (including Electronic)  
 Vital Signs  
 Clinical Internship

## Average Annual Wage

National entry-level to experienced:  
 \$24,940 - \$35,380  
 NY entry-level to experienced:  
 \$25,330 - \$37,310  
 For more information:  
[www.careerzone.ny.gov](http://www.careerzone.ny.gov)



# Medical Laboratory

Approved by New York State Education Department (NYSED)



MEDICAL LABORATORY includes instruction in the skills necessary for entry level employment as a health care professional or for further education in a post-secondary institution. Students will be involved in medical terminology, measuring vital signs, electrocardiography (EKG), laboratory lessons in hematology, blood banking, chemistry, urinalysis, microbiology and phlebotomy. Second year students who meet all standards have an opportunity to participate in a hospital internship.

## Work Environment

Laboratory tests play an important part in the detection, diagnosis, and treatment of many diseases. Medical laboratory workers, often called clinical laboratory workers, assist in the performance of tests under the direction of pathologists, medical technologists, and/or medical technicians. These tests are generally performed with a scientific team in modern surroundings on samples of blood, tissues, and body fluids to detect changes caused by various disease states. Laboratories are generally well lighted, clean, and present a pleasant atmosphere. Students will work with patients and, many times, follow their progress.

## Career Opportunities

Doctors' Offices	EKG Tech
Health Clinics	Hospitals
Industry	Medical Labs
Medical Clerks	Phlebotomists

## Advanced Standing Available\*

New England Institute of Technology  
Pennsylvania College of Technology

Wilson Tech Adult Program

\*Advanced Standing may be available to those who successfully complete this Tech course. See Articulation Agreements in Handbook.

## Student Supplies

### First-Year Students

1. V-neck top
2. Draw string pants
3. Lab coat

### Second-Year Students

After being approved for clinic, purchase:

1. Zipper top
2. Draw string pants
3. Lab coat
4. White crew neck tee shirt
5. White crew socks or stockings
6. White rubber soled leather shoes or sneakers
7. Black stethoscope
8. Name tag
9. Physical examination

\*Check with teacher for scrubs/uniform specifications and supplies.

## Helpful Preparatory Courses

- Living Environment
- Chemistry

## Academic Credits integrated:

Tech Math, Tech Phys Sci, Eng 12, Health, CFM, Comp App

## CTE Endorsement

Students must successfully meet the academic and attendance criteria for a two-year Wilson Tech Certificate of Completion, be High School diploma eligible, and pass the following national certification exam: National Center for Competency Testing Exam (NCCT) - Phlebotomy Technician and complete the clinical internship.

## Course Outline

Orientation to the Medical Lab  
 Basic Anatomy and Physiology  
 Use/Care of Lab Equip.  
 Intro. to Genetics  
 Application of DNA Based Tests in Health  
 Basic First Aid  
 Blood Pressures/TPR  
 Electrocardiography  
 Infection Control  
 Microbiology  
 Urinalysis  
 Blood Banking, Hematology  
 Blood Chemistry  
 Phlebotomy  
 Standard Precautions  
 Study Skills  
 Telephone Comm.  
 Introduction to Parasitology  
 Resumé writing and job applications  
 Applied language and math skills  
 Interview Skills  
 Clinical Internship  
 Forensics  
 Specimen Processing

## Average Annual Wage

National entry-level to experienced:  
 \$24,940 - \$35,380  
 NY entry-level to experienced:  
 \$25,330 - \$37,310  
 For more information:  
[www.careerzone.ny.gov](http://www.careerzone.ny.gov)



# Nurse Assisting

Approved by NYS Department of Health



NURSE ASSISTING develops the skills, attitudes, and knowledge necessary to care for the sick in health care institutions and private homes. Practical application of theory is stressed. Skills developed in this program may be used as a direct entry to employment or as a preparatory course for Professional Health Careers or Adult Health Career Programs.

The Nurse Assisting class is available to juniors and seniors. It is a one year program in which juniors and seniors who are Certificate eligible (those who have passed the Nurse Assisting class, fulfilled their clinic hours, and met the attendance requirement) may sit for the Certified Nurse Aide (CNA) examination. Juniors who have met the above criteria, but who have not taken/passed the CNA exam, are still eligible to enter the Professional Health Careers program the following year as seniors, where they would qualify to take the CNA exam.

## Work Environment

Nurse Assistants engage in bedside nursing care under the direction of a LPN or registered nurse. Job duties include assisting the Practical or Registered Nurse, in caring for patients, including bathing, dressing, feeding, transporting, bed making and personal needs. The Nurse Assistant may work in a hospital, a nursing home, or provide care for patients in their home. The Nurse Assistant has the opportunity to work any shift including weekends.

## Career Opportunities

Certified Nurse Assistant  
Geriatric Aide  
Home Health Aide  
Psychiatric Attendant  
Rehabilitation Aide

## Advanced Standing Available\*

Pennsylvania College of  
Technology

\*Advanced Standing may be available to those who successfully complete this Tech course. See Articulation Agreements in Handbook.

## Student Supplies

1. V-neck top
  2. Draw string pants
  3. Watch with second hand
  4. Physical examination  
After being approved for clinic, purchase:
    1. Zipper top
    2. Draw string pants
    3. White rubber soled leather shoes or sneakers
    4. White crew socks or stockings
    5. White crew neck tee shirt
    6. Name tag
- \* Check with teacher for scrubs/uniform specifications and supplies.

## Licensing Requirements

All students successfully completing this program will be eligible for the NYS DOH Nurse Aide Certification Examination provided they meet the clinical and classroom attendance requirements.

## Academic Credits integrated:

Tech Math, Tech Phys Sci, Eng12, Health, CFM, Comp App

## CTE Endorsement

Students must successfully meet the academic and attendance criteria for a two-year Wilson Tech Certificate of Completion, be High School diploma eligible, and pass the following national certification exam: NYS Nurse Aide Competency Exam, Nurse Assisting Certification Exam (CNA), and successfully complete Professional Health Careers in their senior year.

## Course Outline

Introduction to Health Careers  
Interpersonal Relationships  
Anatomy and Physiology  
Nutrition  
Long-term Care  
Medical Terminology  
Supervised Off-site Clinical Experience (108 hrs)  
Legal and Ethical Responsibility  
First Aid  
Diseases and Disorders

## Average Annual Wage

National entry-level to experienced:  
\$19,380 - \$31,990

NY entry-level to experienced:  
\$29,650 - 42,360

For more information:  
[www.careerzone.ny.gov](http://www.careerzone.ny.gov)



# Physical Therapy Aide

Approved by New York State Education Department (NYSED)



PHYSICAL THERAPY AIDES are a part of the rehabilitation team that help patients recover from injuries, improve their mobility and function, resume their daily activities and be able to enjoy life again. The student will gain the knowledge and skills necessary to assist Physical Therapists and Physical Therapy Assistants to set up and maintain treatment areas, organize equipment, assist patients to prepare for treatment and observe patients performing exercises as prescribed by the Physical Therapist. Additional skills will include CPR, customer service and office management procedures.

## Work Environment

Physical Therapy Aides require a moderate amount of strength because of the physical demands of the position: Lifting, kneeling, stooping, bending and standing for long periods of time are all part of the day. The hours and days physical therapy aides work vary according to the facility they work in allowing some to work in part time shifts. Many offices have evening and weekend hours to coincide with patient schedules.

## Career Opportunities

Nursing Care Facilities  
Hospitals  
Long Term Care Facilities  
Rehabilitation Centers  
Physical Therapy Offices  
Clinics  
Offices of Physicians

## Advanced Standing Available\*

Herkimer County Community College  
Nassau Community College

\*Advanced Standing may be available to those who successfully complete this Tech course. See Articulation Agreements in Handbook.

## Student Supplies

1. V-neck top
  2. Draw string pants
  3. White rubber soled leather shoes or sneakers
  4. White crew socks or stockings
  5. White crew neck tee shirt
  7. Name tag
- \* Check with teacher for scrubs/uniform specifications and supplies.

## Helpful Preparatory Courses

- Biology
- Medical Terminology

## Academic Credits integrated:

Tech Math, Tech Phys Sci, Eng 12, PE, Health, CFM, Comp App

## CTE Endorsement

Students must successfully meet the academic and attendance criteria for a two-year Wilson Tech Certificate of Completion, be High School diploma eligible, and pass the following national certification exam: NOCTI - Health Assisting

## Average Annual Wage

National entry-level to experienced:  
\$20,130 - \$29,000  
NY entry-level to experienced:  
\$19,050 - \$31,260  
For more information:  
[www.careerzone.ny.gov](http://www.careerzone.ny.gov)

## Course Outline

History of Physical Therapy  
Body Mechanics  
Set up and maintain treatment area  
Workplace Safety  
Anatomy and Physiology  
Communication Skills  
Assisting with Ambulation and Gait Training  
Range of Motion  
Transferring and Transporting of Patients  
Infection Control  
Law and Ethics  
Customer Service  
Common physical disorders and treatment  
Therapy treatments and exercise  
Mobility training  
CPR  
Physical Agents and Modalities  
Vital Signs  
Growth & Development



# Professional Health Careers

Approved by New York State Education Department (NYSED)



PROFESSIONAL HEALTH CAREERS is available only to seniors who have previously taken the Nurse Assisting program. Seniors must have either passed the Certified Nurse Aide (CNA) examination during their junior year or, if not, be Certificate eligible (passed the Nurse Assisting class, fulfilled their clinic hours, and met the attendance requirement). Those seniors who complete the entire program sequence and are Certified Nurse Assistants will qualify to take the Patient Care Technician Certification examination. At Wilson Tech, opportunities for Advanced Standing in adult Practical Nursing and Surgical Technology are available provided that the student fulfills the stated criteria.

## Prerequisite

Students must complete Nurse Assisting in junior year.

## Work Environment

Health professionals work in a variety of health care facilities. Depending on the position, they can work any shift, including weekends and holidays.

## Career Opportunities

Hospitals, Physicians' Offices, Rehabilitation Centers, Clinics, Long Term Care Facilities

## Advanced Standing Available\*

Dowling College  
Pennsylvania College of Technology

Wilson Tech Adult LPN and Surgical Technology

- Students will be eligible to receive advanced standing with a minimum grade of 80%, in Therapeutic Communications and Study Skills for the Practical Nursing and Surgical Technology adult programs at Wilson Tech.
- Matriculation occurs within 6 months.
- Passing grade in pre-entrance exam for Practical Nursing and Surgical Technology.

\*Advanced Standing may be available to those who successfully complete this Tech course. See Articulation Agreements in Handbook.

## Student Supplies

1. V-neck top
  2. Draw string pants
  3. Watch with second hand
  4. Physical Examination
- After being approved for clinic, purchase:
1. Zipper top
  2. Draw string pants
  3. White rubber soled leather shoes or sneakers
  4. White crew socks or stockings
  5. White crew neck tee shirt
  6. Black stethoscope
  7. Name tag
- \* Check with teacher for scrubs/uniform specifications and supplies.

## Certification Requirements

Those who complete the entire program who are Certified Nurse Assistants will qualify to take the NCCT Certification exam for Patient Care Technician.

## Helpful Preparatory Courses

- Biology
- Chemistry

## Academic Credits integrated:

Tech Math, Tech Phys Sci, Eng 12, Health, CFM, Comp App

## CTE Endorsement

Students must successfully meet the academic and attendance criteria for a two-year Wilson Tech Certificate of Completion, be High School diploma eligible, and pass the following national certification exam: NYS Nurse Aide

Competency Exam, Nurse Assisting Certification Exam (CNA).

## Course Requirements

Students must have a complete physical in order to participate in the clinical component and a two year Infant, Child & Adult CPR certification.

## Course Outline

Fundamentals of Health Care  
Personal/Vocational Relationships  
Study Skills  
Therapeutic Communication  
Anatomy & Physiology  
Basic Computer Technology  
Human Body–Health & Disease  
Mental Health  
Clinical Practice–  
Offsite (students must meet criteria prior to clinical placement)

## Average Annual Wage

National entry-level to experienced:  
\$19,380 - \$31,990

NY entry-level to experienced:  
\$29,650 - 42,360

For more information:  
[www.careerzone.ny.gov](http://www.careerzone.ny.gov)