

# **Career Majors in Service Occupations**

**Certified Personal Trainer**

**Cosmetology**

**Criminal Justice**

**Culinary Arts**

**Early Childhood Education**

**Equine Studies**

**Fashion Merchandising/Design**

**Veterinary Assisting**



# Certified Personal Trainer

Recognized Provider of National Council on Strength & Fitness of Pre-Professional Curriculum



CERTIFIED PERSONAL TRAINER includes topics in anatomy, physiology, kinesiology, injury prevention, supplementation and nutrition, and all aspects of weight and strength training. During the second year, students will be provided with more advanced training techniques and expand their knowledge in designing a creative workout program for a variety of clientele.

## Work Environment

Personal Trainers typically work in a variety of settings including gyms, health clubs, hospitals, universities, schools, yoga and Pilates studios, wellness centers, sports performance centers, resorts and clients' homes. Personal Trainers work with clients on a one-to-one basis or in small groups. The environment in which a Personal Trainer works tends to be indoors. Many jobs are part time and fitness workers often supplement their income by working at several different facilities or clients' homes. Night and weekend hours are common.

## Career Opportunities

Business Owner  
Certified Personal Trainer  
Fitness Director  
Fitness Worker  
Group Exercise Instructor  
Strength & Conditioning Coach  
Supervisor

## Advanced Standing Available\*

Dowling College  
Herkimer Community College

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

## Student Supplies

1. Gym Bag
2. Athletic work-out pants or conservative shorts
3. Polyester t-shirt or conservative plain shirt
4. Sneakers

## Academic Credits integrated:

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

## Helpful Preparatory Courses

Living Environment  
Health  
Physical Education

## 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 Council on Strength and Fitness - Pre-Professional Personal Trainer.

## Average Annual Wage

National entry-level to experienced:

\$20,310 - \$47,250

NY entry-level to experienced:

\$20,660 - \$69,890

For more information:

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

## Course Outline

Aerobic/ Anaerobic Training  
Anatomy  
CPR/AED  
Health and Fitness  
Health Screening and Evaluation  
Nutrition/ Weight Management  
Exercise Physiology  
Program Design  
Proper Training Techniques  
Safety  
Special Populations  
Starting and Running a Personal Training Business  
Supplements



# Cosmetology

Approved by New York State Education Department (NYSED)



COSMETOLOGY develops skills and knowledge of hair styling, coloring, chemical hair reconstruction, hair removal, nail and skin care. Practical application of theory is stressed. First year students work on mannequins and then practice on each other. Second year students advance their skills by working in our clinic, which is open to the public two days a week.

## Work Environment

The ability to deal one-on-one with clients, the acquisition of commencement level math, reading, writing, and communications skills, attention to personal appearance and hygiene, and the development of responsible attributes are essential for cosmetologists. All states require beauty salon operators to be licensed. Before applicants are eligible to take the New York State licensing examination, they must successfully complete this NYS approved 1000-hour cosmetology course.

## Career Opportunities

Artificial Hair Technician  
Hair Color/Cutting Technician  
Hair Technician Assistant  
Hair Stylist/Educator  
Marketing/ Merchandising  
Nail Technician  
Receptionist  
Salon Owner/Manager  
Skin Care Specialist  
Waxing Technician

## Advanced Standing Available\*

Douglas Education Center  
Wilson Tech Adult Esthetics

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

## Student Supplies

### 1st Year Students

1. Uniforms:  
Black cotton/polyester blend uniform pants. Smock Top - provided by Tech. White professional-style leather low heel, closed toe shoes with appropriate hose.
2. Cosmetology Tool Kit containing all necessary tools, equipment, and a mannequin holder.

### 2nd Year Students

1. Uniforms remain the same
2. Purchase additional senior kit

## Licensing Requirements

All students successfully completing this program, (two year, 1000 hours), will be eligible to sit for the New York State Licensing Examination in Cosmetology. Students may take cosmetology for one year, but are ineligible to sit for the NYS licensing exam. Seniors may elect to further their education/hours with an adult Wilson Tech cosmetology class the following year.

## Academic Credits integrated:

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

## Average Annual Wage

National entry-level to experienced:

\$18,520 - \$30,350

NY entry-level to experienced:

\$17,640 - \$35,140

For more information:

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

## 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 Occupational Competency Testing Exam (NOCTI) - Cosmetology.

## Course Outline

Professionalism  
Bacteriology  
Safety/Decontamination  
Infection Control  
Scalp & Hair care  
Haircutting  
Wet Hair Styling  
Thermal Hair Styling  
Hair coloring  
Artificial Hair Enhancements  
Make-up  
Skin care & disorders  
Superfluous hair removal  
Nail Care  
Life Skills  
Chemical Texture Services  
Cells, Anatomy & Physiology  
Light Therapy  
Salon Business skills  
Computer Imaging  
Salesmanship



# Criminal Justice

Member of Criminal Justice Studies / Technical Education Career Instructors



CRIMINAL JUSTICE will introduce students to laws that pertain to public and private security, investigative functions and techniques, patrol functions, security, access control, and emergency response. This course teaches appropriate skills to deal with social situations and security requirements as they affect the community. Students will receive preparation for CPR certification and to sit for the NYS Security Guard Exam.

## Work Environment

Personnel employed in the field of Criminal Justice may work for public or private institutions, e.g. local police departments, court systems, prisons, military police, store detectives, private security agencies, and private businesses. Technicians also work in computer/data processing jobs related to the industry.

## Career Opportunities

Corrections Officer  
Court Officer  
Data Processor/Computer Processor  
Document Examiner  
Fingerprint Clerk  
Investigator/Investigator Assistant  
Military Police Officer  
Police Officer  
Probation/Parole Officers  
Security Guard  
Security Systems Salesperson  
Store Detective

## Advanced Standing Available\*

Farmingdale State College  
Herkimer Community College  
Monroe College  
Nassau County Community College  
Dual Enrollment Eligibility:  
SUNY Farmingdale

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

## Student Supplies

Appropriate clothing for indoor and outdoor work

1. Pen
2. Watch
3. Memo or agenda book

## Academic Credits integrated:

Tech Math, Tech Phys Sci, Eng 12, Gov, PE, 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 Occupational Competency Testing Exam (NOCTI) - Criminal Justice – Law Enforcement.

## Average Annual Wage

National entry-level to experienced:

\$41,480 - \$72,480

NY entry-level to experienced:

\$41,810 - \$74,320

For more information:

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

## Course Outline

Crime Scene Investigation  
Introduction to the Court System  
Patrol Functions  
Introduction to Computers  
Crisis Intervention/Emergency Response  
CCTV  
Access Control  
Social and Economic Impact of Alcohol and Drug Abuse  
Career Orientation: Job Seeking, Job Keeping Skills, Administration, Management  
Intro. to NYS Laws  
First Aid and CPR  
Investigative Functions/Techniques  
Code of Conduct - Public Relations  
Development of Physical Skills  
Private and Public Security  
Communications  
Current and Critical Issues  
Principles of Defensive Driving  
Surveillance Systems



# Culinary Arts

Certified by American Culinary Federation Education Foundation  
(Nat'l. Restaurant Assoc. ProStart Program))



CULINARY ARTS develops cooking skills through actual work experience using standardized recipes. Students are prepared to learn basic and advanced techniques of food preparation, along with the related safety, nutrition and sanitation requirements of New York State for restaurants, cafeterias and hospitals.

## Work Environment

Cooks/Chefs must be able to stand for long hours. Peaks of high production are demanded both daily and seasonally, depending on job location.

## Career Opportunities

Baker's Apprentice  
Nutritionist  
Chef  
Cook  
Food Stylist  
Counterperson  
Dishwasher  
Host/Hostess  
Fry Cook  
Line Cook  
Pantry Cook  
Prep Cook  
Restaurant Owner/Manager  
Sauté Cook  
Short Order Cook  
Sous Chef  
Garde Manger Cook  
Waiter/Waitress

## Academic Credits integrated:

Tech Math, Tech Phys Sci, Eng 12, Art, 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 a national certification exam: 2015-16 exam to be determined.

## Advanced Standing Available\*

Art Institute of Philadelphia  
Culinary Institute of America  
Johnson & Wales University  
Lincoln Culinary Institute  
Monroe College  
Nassau Community College  
Pennsylvania College of Technology  
SUNY Cobleskill  
SUNY Delhi  
National Restaurant Association Educational Foundation ProStart program participating schools:  
(Varies according to participating colleges.)  
Educational foundation ProStart Program participating schools: The Art Institute of Las Vegas, The Art Institute of Tampa, Bethune-Cookman College, California State Polytechnic University-Pomona, Conrad N. Hilton College of Hotel & Restaurant, The Culinary Institute of America, Johnson & Wales University, Kendall College, New England Culinary Institute, Oklahoma State University, Orlando Culinary Academy, Scottsdale Culinary Institute, Washington State University

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

## Student Supplies

1. White chef coat
2. Bib type apron
3. Checkered pants
4. Chef Hat
5. Non-slip leather protective footwear
6. Uniform bag

## Course Outline

Kitchen Safety and Sanitation  
Stocks, Soups, Sauces  
Cooking Methodology  
Baking & Pastry Arts  
Meat & Poultry ID  
Fish & Shellfish ID  
Dining Room Service  
Pasta, Grains and Starch Cooking  
Salad, Appetizer and  
Hors d'oeuvres Preparation  
Regional American Cuisine  
International Cuisine  
Food Plate Presentation & Styling  
Breakfast Cooking  
Garde Manager  
Nutritional Cooking

## Average Annual Wage

National entry-level to experienced:

\$31,360 - \$57,480

NY entry-level to experienced:

\$37,500 - \$84,250

For more information:

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



# Early Childhood Education

Approved by New York State Education Department (NYSED)



EARLY CHILDHOOD EDUCATION helps prepare students for entry-level employment in early childhood programs and continuation in post-secondary institutions. The course combines classwork and discussion on the development and behavior of young children with actual work experience in our Learning Laboratory Preschool and at offsite school internships.

## Work Environment

Upon completion of the Early Childhood Education Program, students can pursue employment at public or private schools and Early Childhood centers. Many students continue their education after Tech at both two and four year colleges.

## Career Opportunities

Teacher Aides/Assistants at:  
Child Care Centers  
Elementary Schools  
Nursery Schools  
Special Education Schools  
Before/After School Programs  
Recreation Programs

## Advanced Standing Available\*

Five Towns College  
Herkimer Community College  
Nassau Community College  
Pennsylvania College of  
Technology  
SUNY Canton  
SUNY Cobleskill

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

## Student Supplies

Each student will be provided with an Early Childhood Education uniform top which is required to be worn while in the on-site learning laboratory and out in the field. The student will be required to wear black pants and white sneakers.

NYS childcare regulations require that students participating in the Early Childhood II internship program will be required to provide a completed medical clearance and immunization form, including Mantoux test, by their health provider.

## Academic credits integrated:

Tech Phys Sci, Eng 12, 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 Occupational Competency Testing Exam (NOCTI) - Early Childhood Education and Care Exam.

## Course Outline

Practical experience in the on-site Learning Laboratory Preschool.  
Internship experience in child care centers, primary schools, including working with the child with special needs  
Study of infants, toddlers, preschoolers, school age children and children with special needs.  
Study of areas of development: intellectual, physical, social, emotional and creative.  
Planning and guiding age appropriate activities including: literacy language arts, music, circle time, art, food experiences and games  
Child Nutrition  
Observation Techniques  
Theories of Child Development  
Employability Skills  
Health & Safety  
Guidance & Behavior Techniques

## Average Annual Wage

National entry-level to experienced:  
\$17,600 - \$23,940  
NY entry-level to experienced:  
\$17,930 - 27,910  
For more information:  
[www.careerzone.ny.gov](http://www.careerzone.ny.gov)



# Equine Studies

Accredited by the Certified Horseman's Association (CHA) and member of New York Association of Agricultural Educators (NYAAE)



EQUINE STUDIES helps develop the skills and knowledge of caring for horses including feeding, grooming and such daily tasks as turnout; riding and exercising horses for a variety of purposes; cleaning and maintaining horse and riding equipment; diagnosing and treating general injuries and ailments of horses and farm management. Skills developed in this program may be used for entry- level jobs or for college level equine programs.

## Work Environment

A person who works with horses may be expected to work alone or with others in a barn and/or stable setting. The worker must be familiar with bandaging, medicating and properly equipping horses. The animals must be fed and cared for every day, 365 days a year. Work is generally begun in the early morning hours.

## Career Opportunities

- Barn/Farm Manager
- Bloodstock Agent
- Breeding Technician
- Camp Facility Director
- Event Coordinator
- Equine Insurance Agent
- Equine Massage/Chiropractor
- Exercise Rider/Riding Instructor
- Farrier
- Groomer
- Horse Show Judge
- Horse Transporter
- Horse Trainer
- Hot Walker, Stable-Hand
- Therapeutic Riding Instructor
- Veterinarian Assistant

## Advanced Standing Available\*

- SUNY Alfred
- SUNY Cobleskill

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

## Student Supplies

1. Work boots and riding boots
2. Work pants
3. Appropriate clothing for climate changes, i.e. warm clothes, shirts and gloves

## Academic credits integrated:

Tech Math, Tech Phys Sci, Eng 12, PE, 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: Cornell University and the New York State Association of Agricultural Educators' Agricultural Science Education Technical Assessment Exam.

## Course Outline

- Stable Management
- Grooming
- Equine Recordkeeping
- Farrier Science (Hoof Care)
- Horse Equipment (tack and supplies)
- Horse Anatomy
- Feeding & Nutrition
- Mechanics of Locomotion
- Training
- Shipping
- Equitation, jumping and dressage
- Reproduction
- Horse Emergencies
- Health & Maintenance
- Bandaging

## Average Annual Wage

National entry-level to experienced:  
\$19,860 - \$36,560

NY entry-level to experienced:  
\$21,750 - \$41,870

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



# Fashion Merchandising/Design

Approved by New York State Education Department (NYSED)



FASHION MERCHANDISING/DESIGN helps to develop the skills and knowledge necessary to enter the fashion merchandising/design industry. Training emphasizes both the theory of fashion and practical applications such as pattern design and clothing construction and prepares the student for the business of fashion in retailing, human relations and store management.

## Work Environment

Fashion Merchandising/ Design involves planning ways to sell the right merchandise to customers at the right price, at the right time, in the right place, and in the right amounts. In this field, you work with displays, computers, fabrics, models, patterns, and machinery. There is ample opportunity for creativity and self-expression. Success requires a reasonable mixture of manipulative and cognitive skills in display techniques, clothing construction, designing, sketching, buying, and selling.

Graduates work in retail organizations and wholesale showrooms as sales associates where the atmosphere may be very busy. There can be high production quotas as well as deadlines to be met. Jobs can be very “fast track” and challenging. College graduates work as wholesale buyers and managers or as designers in textiles or clothing.

Field visits include: Fashion Institute of Technology, Nassau Community College and a garment factory.

## Career Opportunities

Business Owner  
Buyer  
Designer  
Fashion Coordinator  
Fashion Forecasting  
Fashion Illustrator  
Fashion Stylist  
Interior Decorating  
Modeling  
Sales Executive

## Advanced Standing Available\*

Berkeley College  
Fashion Institute of Design and Merchandising  
Laboratory Institute of Merchandising (LIM)  
Nassau Community College  
\*Advanced Standing may be available to those who successfully complete this Tech course. See Articulation Agreements in Handbook.

## Student Supplies

1. Portfolio binder 11"x14"
2. Loose leaf paper and dividers
3. Protective sheets for portfolio sketches
4. Drawing or Sketch Pad (8 1/2" x 11")
5. Colored pencils (watercolor)
6. Artistic markers (Pentel, Prismacolor or Prang)
7. Pencils, #2
8. Bienenfang Graphics 360 marker paper (11"x14" at least)
9. Plastic bin, no larger than 25"x15"
10. Lab jacket
11. Prismacolor Finesline Marker Set
12. Scissors, erasers, colorless blender
13. Fabric

## Academic credits integrated:

Tech Math, Tech Phys Sci, Eng 12, Art, 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 Occupational Competency Testing Exam (NOCTI) - Apparel and Textile Production and Merchandising.

## Course Outline

Fashion History  
Design  
Patternmaking  
Fabric Science  
Clothing Construction  
Draping  
Industrial Power Machines  
Visual Merchandising  
Fashion Illustration  
Fashion Show Producing and Participating  
Interior Design  
Retail Math

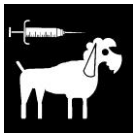
## Average Annual Wage

National entry-level to experienced:  
\$44,630 - \$89,000

NY entry-level to experienced:  
\$42,070 - \$101,520

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





# Veterinary Assisting

Member of the New York Association of Agricultural Educators (NYAAE)



VETERINARY ASSISTING is an important part of the veterinary health care team in clinics, zoos, pet shops and research facilities. Students work with a large variety of animals such as dogs, cats, rodents, birds/poultry, farm animals, and reptiles. General care and feeding of various species as well as tasks the veterinary assistant performs are under the guidance of a veterinary technician or veterinarian. Tasks include: animal feeding, basic animal grooming, animal nursing, common office/clinic procedures, client education, exam room procedures, surgical and diagnostic lab procedures, maintenance of animal/medical records on computers and other skills as recommended by the National Association of Veterinary Technicians in America. Day students will participate in a vaccination clinic onsite at Manor Plains. Students may receive certificates in kennel maintenance, shelter worker, veterinary foundations and bite safety.

## Work Environment

Veterinary Assistants have a wide range of employment opportunities in animal clinics, veterinarian's offices, pet stores, laboratories, pet grooming shops, animal shelters, zoos, and preserves.

## Career Opportunities

Veterinary Assistant  
Lab Animal Technician  
Grooming Assistant  
Pet Shop employee  
Animal Caretaker  
Field Biologists Assistant  
Zookeeper

## Advanced Standing Available\*

SUNY Alfred  
SUNY Canton  
SUNY Cobleskill

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

## Student Supplies

1. Scrub top / Scrub pants or long pants
2. Non-slip closed toe shoes/sneakers
3. Current Tetanus vaccination is recommended

## Academic credits integrated:

Tech Math, Tech Phys Sci, Eng 12, 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 Occupational Competency Institute (NOCTI) - NYS Small Animal Science Assessment Exam.

## Helpful Preparatory Courses

Biology with lab  
Chemistry with lab

## Course Outline:

Individual Animal Care & Handling  
 Bio-profiles  
 Basics in Grooming  
 Office, Hospital & Kennel Maintenance Procedures  
 Small Animal Nursing & Pharmacology  
 Client Communication/Medical Record Keeping  
 Exam and Treatment Room Procedures  
 Surgical Preparation and Assisting  
 Laboratory Procedures  
 Animal Disease & Health Maintenance  
 Diagnostic Imaging Assisting

## Average Annual Wage

National entry-level to experienced:  
 \$19,220 - \$28,840  
 NY entry-level to experienced:  
 \$19,710 - \$32,500  
 For more information:  
[www.careerzone.ny.gov](http://www.careerzone.ny.gov)