

Programs By Career Cluster:

Health Science

Dental Assisting **D** **C**

Students learn and develop the fundamental skills of chairside assistants along with the 21st century skills necessary to be successful in today's workforce. Students gain 200 hours of clinical experience and learn sterilization/disinfecting techniques, dental laboratory skills, record keeping, hygiene and oral health, X-rays, dental and oral anatomy, and patient relationship skills.



Possible Career Paths:

- *With a 2-year CTE program:* Dental Assistant, increased demand 21.9%*
- *An associate's degree or postsecondary:* Dental Hygienist, increased demand 20.5%*
- *Graduate degree:* Dentist, increased demand 20%*

Exercise Science **D** **C**

Students prepare for Personal Training certification while gaining experience with health & wellness, athletics, and rehabilitation professionals. Major topics include anatomy, physiology, bioenergetics, biomechanics, and kinesiology.



Possible Career Paths:

- *With a 2-year CTE program:* Fitness Trainer, increased demand 10.7%*
- *An associate's degree or postsecondary:* Physical Therapy Assistant, increased demand 33.3%*
- *Graduate degree:* Physical Therapist, increased demand 34.7%*

Nurse Assisting and Associated Health Careers **D** **C**

Students learn the fundamentals of patient care necessary for entry-level employment in health care settings such as nursing homes, hospitals, medical offices and home care agencies. Students work directly with patients, participating in over 100 hours of clinical experiences. Students are highly qualified to pursue post-secondary education in many health care related pathways.



Possible Career Paths:

- *With a 2-year CTE program:* Home Health Aide, increased demand 43.8%*
- *A bachelor's degree:* Registered Nurse, increased demand 18.2%*
- *A master's degree:* Nurse Practitioner, increased demand 38.7%*

Phlebotomy and Laboratory Science **D** **C**

Students train in phlebotomy (drawing blood) including preparation for certification, and learn laboratory procedures, medical terminology and first aid/CPR. Students actively utilize skills that apply to scientific research and product development relevant to a variety of industries – pharmaceuticals, medical, veterinary, cosmetics, environmental, food and agricultural.



Possible Career Paths:

- *With a 2-year CTE program:* Medical Equipment Preparer, increased demand 13.3%*
- *Postsecondary certificate:* Phlebotomist, increased demand 27.4%*
- *A bachelor's degree:* Clinical Laboratory Technologist, increased demand 14.7%*

KEY

D Dual Enrollment

C Industry Credentials (or credentialing/ licensing preparation)

* Projected New York State Finger Lakes Region growth for 2016-2026, New York State Department of Labor

Programs & Career Cluster Alignment

Our programs correlate to one or more US Dept. of Education Career Clusters

<u>Program</u>	<u>Correlated Career Clusters</u>	<u>Program</u>	<u>Correlated Career Clusters</u>
Auto Body and Collision Repair Technology	Transportation, Distribution & Logistics Science, Technology, Engineering & Mathematics	Dental Assisting	Health Science
Automotive Technology	Transportation, Distribution & Logistics Agriculture, Food & Natural Resources	Digital and Visual Communication	Arts, A/V Technology & Communications
Baking	Hospitality & Tourism Human Services	Engineering and Metal Fabrication - Machining	Manufacturing Transportation, Distribution & Logistics
Carpentry	Architecture & Construction Science, Technology, Engineering & Mathematics	Engineering and Metal Fabrication - Welding	Manufacturing Transportation, Distribution & Logistics
Child and Family Development	Education & Training Human Services	Exercise Science	Health Science
Computer Technology	Information Technology Science, Technology, Engineering & Mathematics	HVAC/Plumbing	Architecture & Construction
Introduction to Construction Trades	Architecture & Construction Science, Technology, Engineering & Mathematics	Heavy Equipment Operation and Maintenance	Transportation, Distribution & Logistics Agriculture, Food & Natural Resources
Cosmetology	Human Services Marketing	Nurse Assisting and Associated Health Careers	Health Science
Criminal Justice	Law, Public Safety, Corrections & Security Government & Public Administration	Outdoor Powersports Technology	Transportation, Distribution & Logistics
Culinary Arts	Hospitality & Tourism Human Services	Phlebotomy and Laboratory Science	Health Science Agriculture, Food & Natural Resources
		Residential and Commercial Electrical	Architecture & Construction Science, Technology, Engineering & Mathematics
		New Visions Health Professions	Health Science

For details on Career Clusters, visit the U. S. Department of Education website or Advance CTE (careertech.org)