



Health Science

If you choose to work in occupations in the **Health Services cluster**, you will promote the health and wellness or diagnose and treat injuries and disease. You could work directly with people. Or you could work in laboratories to get information used in research or diagnosis. Health Service employees go to work at a variety of different sites. Some work in hospitals, offices, or laboratories. Others work on cruise ships, at sports arenas or with communities.



Health Services

EXPLORATORY

APPROVED COURSES

- Health Science Core
- Principles of Biomed Sciences (Elective)
- Human Body Systems (Elective)
- Biology

PREPARATORY

- Clinical Medical Office
- Clinical Medical Assistant
- Certified Nursing Assistant
- Athletic Training Therapeutic Services 1
- Athletic Training Therapeutic Services 2

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Certified Nursing Assistant	\$24,800	5,547	9.6%
Medical Assistant	\$32,200	1,203	17.2%
Phlebotomist	\$30,460	240	14.7%
Athletic Trainer	\$45,240	39	23%
Physical Therapist	\$79,720	309	29.2%
Registered Nurse	\$62,270	5,177	15.8%

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities

CTE students in many cases can pursue "work-based learning" opportunities. Other "work-based learning" experiences are service learning, business/industry field trips, and job shadowing. Some "Work-based learning" experiences allow students to earn high school credit. The Certified Nursing Assistant will complete 100+ clinical hours and earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your local CTE or career office is the best source of information for what your own school offers.

Career and Technical Student Organization (CTSO)

Career and technical student organizations are much more than clubs. They provide opportunities for hands-on learning, and for applying career, leadership and personal skills in real-world environments. Participants build their skills by developing projects, attending events, and competing regionally and nationally. The student organization for Health Services is SkillsUSA.

Career Pathways within the **Health Services cluster** include:

- Biotechnology Research and Development* – the study of diseases to discover new treatments or invent medical devices
- Therapeutic Services* – improve the health of patients over time through direct care, treatment, counseling, or health education
- Diagnostics Services* – occupations related to the tests and evaluations that aid in detection, diagnosis and treatment of diseases, injuries or other physical conditions
- Health Informatics* -uses information technology to organize and analyze health records to improve healthcare outcomes
- Support Services* – occupations that interact with patients or the public to provide a therapeutic environment for the delivery of healthcare

PROGRAM PATHWAYS

	Medical Assistant	Certified Nursing Assistant	Athletic Training	Sending Schools
Year 1	Principles of Biomedical Sciences (Recommended)	Principles of Biomedical Sciences (Recommended)	Principles of Biomedical Sciences (Recommended)	Health Science Core Clinical Medical Office
Year 2	Biology Health Science Core* Human Body Systems (HBS recommended)	Biology Human Body Systems (HBS recommended)	Biology Health Science Core* Human Body Systems (HBS recommended)	Clinical Medical Assistant Certified Nursing Assistant
Year 3	Clinical Medical Office	Health Science Core	Athletic Training Therapeutic Services 1	
Year 4	Certified Medical Assistant**	Certified Nursing Assistant	Athletic Training Therapeutic Services 2	

*can be take junior year **can be taken junior or senior year

Suggested sequence of courses only, courses can be taken in a different order pending instructor approval.

POSTSECONDARY OPTIONS

CREDENTIALS		HIGHER EDUCATION			
HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE / LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL	SCHOOLS WITH THESE PROGRAMS
CNA CMA	CNA CMA Practical Nursing	Practical Nursing	Registered Nurse	Nurse Practitioner	Crowder, OTC, Cox College of Nursing, MSU, Truman State, UCM, Mizzou CTC MSSU PSU UMKC
CMA	CMA		Pre-medicine	Physician Assistant	Crowder, Carthage Tech Center PSU, MSU, MSSU UMKC Saint Louis University
Phlebotomist		Med Lab Tech	Med Lab Sciences		Crowder, Mizzou UMKC, OTC MSSU
CPR Certified		Physical Therapist Assistant	Athletic Training Exercise Science	Athletic Training	MSU OTC Southwest Baptist MU UCM Truman State