

Program: Health Science Technology**CIP # 519999**

Program Description: Are you planning a career in the medical field? Health care is one of the most rapidly growing career pathways; however, it is experiencing a critical shortage of workers. An increased demand for health care workers is expected to continue, opportunities and benefits are numerous. Perhaps the greatest benefit in pursuing a career in healthcare is the opportunity to be able to make a difference in someone's life.

The Health Science two year program follows a state and national approved curriculum that is offered to students who are ready to make a commitment to beginning their journey toward a career in a health care field. Students who complete this program will have the foundation necessary to pursue further training and education in a variety of health care professions. Students will be American Heart Association First Aid and CPR certified upon completion of the program.

The Health Science Technology program learning is based on acquiring technical skills in the classroom learning lab, leadership skills based on integrating (HOSA) Health Occupation Students of America activities, and based on the National Health Care Skills Standards. Students who enroll in the Health Science Technology program are encouraged to include Algebra I, Biology, Anatomy & Physiology and Chemistry in their high school program. Membership in HOSA (Health Occupations Students of America) is recommended.

BIG IDEAS: PROGRAM OUTCOMES

As a result of completing the Health Science Technology program students will:

- Understand how disease and injury interfere with the body's natural tendency toward homeostasis.
- Follow health care safety standards and protocols and maintain a culture of safety in the workplace.
- Understand that healthcare is a highly diverse occupational area where opportunities are connected directly to the specific needs of the local community.
- Relate to personnel within the healthcare industry and be responsible to uphold rigorous legal and ethical standards

HEALTH SCIENCE COMPETENCIES:

1. ACADEMIC FOUNDATION

Students will understand human anatomy, physiology, common diseases and disorders along with medical math principles.

2. COMMUNICATIONS & TEAMWORK

Students will understand and demonstrate methods of delivering and obtaining information, while communicating effectively. Students will also be able to identify roles and responsibilities of individual members as part of the healthcare team.

3. SYSTEMS

Students will understand and identify how key systems affect services performed and quality of care.

4. EMPLOYABILITY SKILLS

Students will understand and utilize employability skills to enhance employment opportunities and job satisfaction.

5. LEGAL RESPONSIBILITIES & ETHICS

Students will understand and describe legal responsibilities, limitations, and implications on healthcare worker actions. Students will also understand accepted ethical practices with respect to cultural, social, and ethnic differences within the healthcare environment.

6. SAFETY PRACTICES

Students will understand and identify existing and potential hazards to clients, co-workers, and self. Students will employ safe work practices and follow health and safety policies and procedures to prevent injury and illness.

7. HEALTH MAINTENANCE PRACTICES

Students will differentiate between wellness and disease. Students will be able to promote disease prevention and model healthy behaviors.

8. TECHNICAL SKILLS

Students will apply technical skills required for all career specialties and demonstrate skills and knowledge as appropriate.

9. INFORMATION TECHNOLOGY APPLICATIONS

Students will utilize and understand information technology applications that are common across health professions.