



Health Science Careers II: Engagement

Career Cluster	Health Science
Course Code	14051
Prerequisite(s)	Health Science Careers I: Exploration
Credit	1.0
Program of Study and Sequence	Foundation Course – Health Science Careers I – Health Science Careers II – Medical Terminology or Pathway Course – Capstone Experience
Student Organization	Future Health Professionals (HOSA), Skills USA
Coordinating Work-Based Learning	Workplace tours, job shadowing, mentoring, service learning, internship
Industry Certifications	First Aid, Cardiopulmonary Resuscitation (CPR), Automated External Defibrillator (AED) , Certified Nurse Assistant (CNA).
Dual Credit or Dual Enrollment	https://sdmylife.com/images/Approved-CTE-Dual-Credit.pdf
Teacher Certification	Health Science Cluster Endorsement; *Health Science Education
Resources	State and National Future Health Professionals (HOSA) Conference (Competitive events), State and National Skills USA Conference, American Red Cross, and American Heart Association.

Course Description

Health Science Careers II: Engagement will help a student discover and develop marketable and real-world skills that are essential to all health care workers. This course will cover real world skills such as infection control, disease, diagnosis, treatment, hands on skills, and documentation.

Program of Study Application

Health Science Careers II: Engagement is the second cluster course in the Health Science career cluster. Completion of Health Science Careers II: Engagement prepares a student to participate in Medical Terminology and/or a pathway courses in any of the Health Science pathways: Biotech Research and Development, Therapeutic Services, Health Informatics, Diagnostics or Support Services.

Course Standards

HS2 1: Identify and apply principles of infection control.

<i>Webb Level</i>	<i>Sub-indicator</i>
Three Strategic Thinking	HS2 1.1 Understand and Investigate the chain of infection.
Four Extended Thinking	HS2 1.2 Apply the prevention of pathogen transmission.

HS2 2: Discuss disease, diagnosis, and treatment.

<i>Webb Level</i>	<i>Sub-indicator</i>
Three Strategic Thinking	HS2 2.1 Differentiate disease concept with reference to Centers for Disease Control and National Institute of Health.
Three Strategic Thinking	HS2 2.2 Evaluate and assess patient/residents' health.
Two Skill/Concept	HS2 2.3 Examine current treatment modalities for conditions including but not limited to obesity, heart disease, cancer, and respiratory.

HS2 3: Demonstrate hands-on patient/residents' care skills.

<i>Webb Level</i>	<i>Sub-indicator</i>
Two Skill/Concept	HS2 3.1 Apply procedures for monitoring, measuring, and recording vital signs.
Two Skill/Concept	HS2 3.2 Apply First Aid/Cardiopulmonary Resuscitation (CPR), and Automated External Defibrillator (AED)
Four Extended Thinking	HS2 3.3 Demonstrate knowledge of direct patient/residents' care skills.

HS2 4: Demonstrate documentation standards and findings.

<i>Webb Level</i>	<i>Sub-indicator</i>
Three Strategic Thinking	HS2 4.1 Demonstrate use of technological documentation standards by entering data on the electronic medical record or paper.
Three Strategic Thinking	HS2 4.2 Differentiate between subjective and objective healthcare data to communicate patient/residents' status.

HS2 5: Utilize medical mathematics skills needed in healthcare work.

<i>Webb Level</i>	<i>Sub-indicator</i>
Two Skill/Concept	HS2 5.1 Apply mathematical computations related to healthcare procedures.
Three Strategic Thinking	HS2 5.2 Analyze diagrams, charts, graphs and tables to interpret healthcare data.