

# STRANDS AND STANDARDS

## HEALTH SCIENCE CAPSTONE



### Course Description

The purpose of this course is to research and solve real world health science needs. This course is designed for advanced health science students to further their health science knowledge and skills. The Health Science Capstone encourages students to think analytically, logically, and creatively to integrate experience and knowledge in real world situations. Membership and participation in HOSA is encouraged.

<b>Intended Grade Level</b>	12
Units of Credit	0.5-1.0
Core Code	36.01.00.00.001
Concurrent Enrollment Core Code	36.01.00.13.001
Prerequisite	Medical Anatomy & Physiology
Skill Certification Test Number	971 - USBE Project Rubric
Test Weight	1.0
<b>License Area of Concentration</b>	CTE and/or Secondary Education 6-12
<b>Required Endorsement(s)</b> (any 1 of the following)	
Endorsement 1	Medical Anatomy & Physiology
Endorsement 2	Dental Assistant
Endorsement 3	Emergency Medical Technician
Endorsement 4	Medical Assistant
Endorsement 5	Nurse Assistant
Endorsement 6	Pharmacy Technician
Endorsement 7	Surgical Technician
Endorsement 8	Biotechnology
Endorsement 9	Exercise Science/Sports Medicine

## STRAND 1

Students will develop a better understanding of real-world application within the Health Science field.

### Standard 1

Students will gain greater insight into opportunities for employment and/or education within the Health Sciences.

### Performance Skills

Complete one or more of the following:

- Tour a medical or educational facility.
- Participate in a health science related job-shadow.
- Participate in guest speaker(s) presentations for students to learn about health science opportunities.

## STRAND 2

Students will gain a greater understanding of how research and analytics impacts Health Science.

### Standard 1

Students will use research skills to analyze a health science topic.

### Performance Skills

Type Performance Skills Here Complete one of the following:

- Develop a research project addressing a health science topic using the scientific process and present your findings.
- Research career opportunities in Health Science and present your findings.

## STRAND 3

Students will implement leadership skills throughout the course.

### Standard 1

Students will demonstrate group leadership skills in the classroom.

### Performance Skills

Demonstrate leadership in one or more of the following areas:

- Lead a team
- Create assignments for team members
- Follow directions from team leaders
- Practice ethical leadership
- Demonstrate effective communication (speaking and/or listening)

## STRAND 4

Students will use various forms of technology throughout the course.

### Standard 1

Students will recognize current technological tools and their impact on health care.

### Performance Skills

Students will use one or more of the following technological tools throughout the course.

- Examples may include:

- Online surveys
- Podcasts
- Advanced presentation tools – Adobe Spark, Microsoft Sway, Prezi, PPT, etc.
- Video conferencing
- Websites
- Search engine optimization
- Electronic databases/journals
- New and upcoming technologies

## **Workplace Skills**

- Communication
- Problem solving
- Teamwork
- Critical Thinking
- Dependability
- Accountability
- Employability
- Legal requirements/expectations

## **Skill Certification Test Points by Strand**

No written Skill Certification exam - Project-based rubric.