

Health Science Introduction Endorsement

Specifications, Competencies & Requirements

PURPOSE

This endorsement is meant for certified teachers interested in teaching **Health Science Introduction** courses. It is attached to a current Utah Educator License with a license area of concentration in **Secondary** or **Career Technical Education (CTE)** Education.

Upon attachment of this endorsement to a Utah educator license, educators will be approved to teach the following USBE courses:

- Health Science Intro
- Exploring Health Science
- Community & Public Health
- Behavioral Health Introduction
- College and Career Awareness
- Foundations of Nutrition

ENDORSEMENT REQUIREMENTS

Prerequisite

Demonstrate an understanding of Career and Technical Education (CTE) basics.

- CTE Knowledge

Associate Level Requirements

Applicants must complete **ONE** of the following competency requirements. The associate-level endorsement is valid for up to 3 school years before it expires. Associate-level endorsements are non-renewable.

- Human Body Systems
- First Aid
- Biology

Professional Level Requirements

The applicant must meet **ALL** the competency areas listed above.

Prior to Teaching Sex Ed

A Utah law and policy course is required per Utah Code 53G-10-403 for all first-year health science educators before teaching sex education and must be renewed every three years. Visit the Health Education page for more details <https://schools.utah.gov/curr/health>.

COMPETENCY DETAILS & DESCRIPTIONS

Prerequisites

1. CTE Knowledge

Demonstrate an understanding of CTE basics:

- Explain how CTE links learning to specific Utah industries and what its main goals are.
- Know the licenses and endorsements needed to teach specific CTE courses.
- Describe how CTE is organized into clusters and pathways at the state, district (LEA), and school levels, and how this helps students succeed after graduation.
- Locate and use the state's strands and standards in lesson plans.
- Explore CTE student organizations (CTSOs) and professional groups and explain how they support students and teachers.
- Explain how advisory boards, with industry members, make sure programs meet job market needs and maintain safe learning environments.
- Understand the basics of securing funding, planning for the program's future, and participating in the state Program of Quality Review (PQR) to ensure program excellence.

Select one of the following options:

- **USBE Course:** [CTE Orientation](#)
- **Complete THREE years of full-time CTE Teaching in Utah**
- **Currently hold a professional-level CTE endorsement**

Endorsement Competencies

2. Human Body Systems

Knowledge of the human body plan and organization. Knowledge of the structure of animal cells and tissues. Knowledge of the form/structure of the human body as outlined by the following body systems: Integumentary, Skeletal, Muscular, Nervous, Endocrine, Lymphatic, Cardiovascular, Respiratory, Digestive, Urinary, and Reproductive.

Select one of the following options:

- **Endorsement:** Have an active Secondary Biology 2 endorsement
- **College Course:** Transcripts showing a passing grade in a human anatomy course **or** an integrated anatomy and physiology course. (ex, University of Utah (UU) BIOL 2325 Human Anatomy, UU BIOL 2420 Human Physiology, or Weber State University (WSU) HTHS 1110/1111 Integrated Human Anatomy and Physiology)
- **Online Course** (choose one):
 - [Carnegie Mellon University - Anatomy & Physiology I & II](#)
 - [Rice Online Learning through Coursera - Human Anatomy & Physiology Specialization \(3-course series\)](#)
 - [UVU Online - Human Physiology Series \(Human Anatomy & Physiology I & II\)](#)
 - [Utah Science Teachers Association - Human Anatomy for Teachers](#)
- **Occupational Experience:** Verifiable active [Utah Division of Professional Licensing](#) (DOPL) license in an allied health care industry such as Nursing, Athletic Training, Physical Therapy, etc. OR active Emergency Medical Technician (EMT) certification.

3. First Aid

Knowledge of basic life support, bleeding control, and treating for shock. Emergency management of spinal injuries, heat or cold injuries, bone and joint injuries, chest injuries, and medical emergencies. Legal implications of providing first aid.

*Select **one** of the following options:*

- **Endorsement:** Hold a current Emergency Medical Response (EMR), EMT, or Exercise Science/Sports Medicine endorsement.
- **Bachelor's Degree:** in Health Education, Community Health, Science, Exercise Science/Physical Education, or Nursing.
- **College Course:** A First Aid-related course, such as Emergency Medical Response or Responding to Emergencies. (ex, UVU HLSC 1200 First Aid or WSU 2300 Emergency Medical Response)
- **Occupational Experience:** A First Aid-related course for credit on the transcript, such as Emergency Medical Response or Responding to Emergencies, OR documentation of current First Aid certification.

4. Biology

Knowledge of biological molecules, including structures, functions, and processes. Organisms, including growth, development, and processes. Heredity, including inheritance and variation of traits.

*Select **one** of the following options:*

- **Endorsement:** Have an active Secondary Biology 2 endorsement.
- **College Course:** A General Biology or Human Biology course. (ex, Utah State University (USU) BIOL 1010 or WSU ZOOL 1020)
- **Online Course:** [Utah Science Teachers Association - Biology for Teachers](#)
- **Occupational Experience:** Verifiable active DOPL license in an allied health care industry such as Nursing, Athletic Training, Physical Therapy, etc. OR active EMT certification.