

# Medical Anatomy & Physiology Endorsement

## *Specifications, Competencies & Requirements*

### PURPOSE

This endorsement is meant for certified teachers interested in teaching **Medical Anatomy & Physiology** 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
- Health Science Capstone
- Medical Anatomy & Physiology
- Medical Anatomy and Physiology Advanced
- Community & Public Health
- Medical Terminology
- 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 Anatomy
- Human Physiology
- Medical Terminology

#### *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**

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## Endorsement Competencies

### 2. Human Anatomy

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:** A Human Anatomy course or an Integrated Anatomy and Physiology course. At least **six** credit hours of Integrated Anatomy and Physiology is required to meet both the Human Anatomy and Human Physiology requirements. (ex, University of Utah BIOL 2325 Human Anatomy or Weber State University 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](#)
- **CE Course Instructor Approval:** Current, documented approval from a participating Concurrent Enrollment institution aligned with the Medical Anatomy and Physiology course or the Medical Anatomy and Physiology Advanced course.
- **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. Human Physiology

Knowledge of human body functions as they relate to the following body systems: Integumentary, Skeletal, Muscular, Nervous, Endocrine, Lymphatic, Cardiovascular, Respiratory, Digestive, Urinary, Reproductive. Knowledge of common injuries, diseases, and conditions of the human body.

Select **one** of the following options:

- **Endorsement:** Have an active Secondary Biology 2 endorsement
- **College Course:** A Human Physiology course or an Integrated Anatomy and Physiology course. At least 6 credit hours of Integrated Anatomy and Physiology is required to meet both the Human Anatomy and Human Physiology requirements. (ex, University of Utah BIOL 2420 Human Physiology OR Weber State University 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 \(Human Anatomy & Physiology I & II\)](#)
- **CE Course Instructor Approval:** Current, documented approval from a participating Concurrent Enrollment institution aligned with the Medical Anatomy and Physiology course or the Medical Anatomy and Physiology Advanced course.
- **Occupational Experience:** Verifiable active [Utah DOPL](#) license in an allied health care industry such as Nursing, Athletic Training, Physical Therapy, etc. OR active EMT certification.

### 4. Medical Terminology

Knowledge of the Greek/Latin-based language of medicine and healthcare. Knowledge of root words, prefixes, suffixes, abbreviations, and symbols. Knowledge of anatomical terms and terms associated with the movement of the human body. Knowledge of correct pronunciation, spelling, and usage of medical terms.

Select **one** of the following options:

- **Endorsement:** Have an active Secondary Biology 2 endorsement.
- **College Course:** At least 2 credit hours and a passing grade in a Medical Terminology course. (ex, Weber State University HTHS 1101)
- **Online Course:**
  - [Doanne University - Medical Terminology](#)

- [Rice University Online Thru Coursera - Medical Terminology Specialization \(I, II, 7, III\)](#)
- [Des Moines University - Online Medical Terminology](#)
- **CE Course Instructor Approval:** Current, documented approval from a participating Concurrent Enrollment institution aligned with the Medical Terminology course.
- **Occupational Experience:** Verifiable active [Utah DOPL](#) license in an allied health care industry such as Nursing, Athletic Training, Physical Therapy, etc. OR active EMT certification.