

# Medical Forensics Endorsement

## *Specifications, Competencies & Requirements*

### PURPOSE

This endorsement is meant for certified teachers interested in teaching **Medical Forensics** 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:

Medical Forensics  
Health Science Intro

### 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.

Forensics  
Human Body Systems  
Laboratory Science

#### *Professional Level Requirements*

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

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### COMPETENCY DETAILS & DESCRIPTIONS

#### *Prerequisite*

#### 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. Forensics

Knowledge of scientific principles applied to crime scenes, collection and preservation of evidence, and lab techniques. Identification of unknown materials, substances, fingerprinting, and comparison and matching of physical evidence.

Select **one** of the following options:

- **Bachelor's Degree:** Forensic Science or Criminalistics
- **College Course:** Transcripts showing a passing grade in a CJ 1350 Introduction to Forensic Science course. (ex, CJ 1350 Introduction to Forensic Science).
- **Occupational Experience:** Level 1 or higher certification from the International Association for Identification (IAI).
- **CE Instructor Approval:** Current, documented approval from a participating Concurrent Enrollment institution aligned with a Forensics course.

### 3. 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:

- **Bachelor's Degree:** Forensic Science or Criminalistics
- **Online Course (Choose one):**
  - [Anatomy & Physiology I & II — Open & Free](#)
  - [Rice Online Learning thru 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:** Level 1 or higher certification from the International Association for Identification (IAI).
- **College Course:** Transcripts showing a passing grade in a human anatomy course, a human physiology 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)

- **CE Instructor Approval:** Current, documented approval from a participating Concurrent Enrollment institution aligned with a Forensics course.

#### 4. Laboratory Science

Knowledge of biological molecules, including structures, functions, and processes. Organisms including growth, development, and processes. Heredity, including inheritance and variation of traits. Knowledge of matter and its interactions & energy. Knowledge of cell theory, the chemical composition of cells, cellular functions, cell signaling, reproduction, and genetics.

Select **one** of the following options:

- **Bachelor's Degree:** Forensic Science or Criminalistics
- **College Course:** Transcripts showing a passing grade in a biology, cell biology, or chemistry course with a lab. (ex, CHEM 1215 or BIOL 1615)
- **Occupational Experience: Level 1** or higher certification from the [International Association for Identification](#) (IAI).
- **CE Instructor Approval:** Current, documented approval from a participating Concurrent Enrollment institution aligned with a Forensics course.