Utah Career and Technical Education Career Pathway

2017-2018 School Year

CTE Learning that works for Utah

CareerClusters® PATHWAYS TO COLLEGE & CAREER READINESS — Health Science

CTSO Information

Career and Technical Student Organizations (CTSO) align with the national Career Clusters® and the Utah CTE Career Pathways.

HOSA is the CTSO for students in the Clinical Laboratory and Medical Forensics Career Pathway. HOSA enhances the delivery of compassionate, quality health care by providing opportunities for knowledge, skill and leadership development of all health science education students.

Workforce Trends

With popular TV crime shows like Bones, CSI, Criminal Minds, and NCIS the interest of pursuing a career in forensic science has increased.

Clinical laboratory technicians and technologist are valuable in the field of forensic science.

Career Cluster: Health Science

Career Pathway: Clinical Laboratory & Medical Forensics

CORE CODE	FOUNDATION COURSES (required)	CREDITS	
36.01.00.00.085	Medical Forensics	1.00	1.00 credit
	ELECTIVE COURSES		
36.01.00.00.090	Health Science, Introduction	.50	2.00 credits
36.01.00.00.001	Health Science, Advanced (capstone course) *	.50	
36.01.00.00.110	Medical Anatomy and Physiology	1.00	
36.01.00.00.150	Medical Math	.50	
36.01.00.00.175	Medical Terminology	.50	
41.00.00.00.030	Workplace Skills	.50	
		3.00 credits for completion	

* Course can be taken up to 1.00 credit.

Career and Technical Education provides all students access to high-quality, rigorous career-focused programs that result in attainment of credentials with labor market value.

Clinical Laboratory & Medical Forensics is:

> High skill
> High wage
> High demand

Sample Occupations Requiring:

High School Diploma
> N/A

Certificate
> Clinical Laboratory Technician
> Medical Laboratory Technician

Assoc. or Technical Degree
> Clinical Laboratory Technologist
> Medical Laboratory Technologist

Baccalaureate Degree
> Biological Scientist
> Career and Technical Education Teacher
> Chemist
> Forensic Science Technician

Graduate or Prof. Degree
> Medical Scientist

Student Testimonial

"My personal goal is to become a homicide detective. For my occupation I would have to work my way up through the ranks, I am prepared and would love the opportunity. I took a medical forensics class and a bio-technology class; both classes helped me immensely on what to do at a crime scene and how to process evidence. I learned a lot and could definitely use these skills in the career that I want to pursue."

Micayla Poulsen

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

There are a number of options for education and training beyond high school, depending on your career goals.

12th Grade	1-Year Certificate	2-Year Associate or Technical Degree	4-Year Bachelor's Degree	More Graduate or Prof. Degree

Certificates are awarded upon the successful completion of a brief course of study, usually one year or less. Upon completion of a course of study, a certificate does not require any further action to retain.

In high school a variety of certificates can be earned.

An academic degree is an award for the completion of a program or course of study over multiple years at postsecondary education institutions.

In 2015-2016, 73 percent of secondary students who concentrated in a CTE Career Pathway placed in postsecondary education, advanced training, military service or employment (October 1-December 31).

Utah Business and Industry Facts

According to the Utah Department of Workforce Services, medical and clinical laboratory technicians are employed in 5,268 local, state, and federal businesses throughout the state, including 1,866 physicians' offices industry.

CTE Skill Certificates

Competency-based student assessments, measured by core standards and competencies needed to be successful in the workforce.

In 2015-2016, 96,190 CTE skill certificates were awarded to high school students. Students' knowledge and performance is demonstrated as part of the Skill Certificate process.

UtahFutures: College and Career Planning

Visit UtahFutures.org for salary projections, labor market demand, and training options.

In 2015-2016, the graduation rate for students who concentrated in a CTE Career Pathway was 96.6 percent, compared to Utah's statewide graduation rate of 85 percent.