

CAREER PATHWAYS

Find the Pathway That's Right for You



What are Career Pathways?

In Utah, our challenge is to provide opportunities for every student to succeed in the 21st century workplace. Providing these opportunities requires that programs keep pace with a rapidly changing business and economic environment. Our high school students must have a strong academic education; obtain Career and Technical Education skills, and be prepared to transition to some post-secondary education.

The High School to College and Career Pathways initiative helps match education and workplace needs through partnerships with post-secondary institutions, the school districts, business, and industry. Pathways identify and group courses within Career and Technical Education (CTE) areas of study that offer students' depth of knowledge and skill, linked with specific post-secondary programs culminating in certificates.

CTE Pathways are rigorous programs of study to assure strong academic and technical preparation providing students with critical learning and hands-on skills. Students who focus on a Pathway acquire the skills necessary for entry into well-paid careers with high potential for rapid financial growth, increased levels of responsibility, and a high degree of personal satisfaction.

CAREER PATHWAYS

What are the goals of the Pathways?

- Maximize opportunities for students.
- Increase student awareness of careers and education and training.
- Strengthen the planning process using a Plan for College and Career Readiness (PCCR).
- Ease student transitions between secondary and post-secondary education through:
 - Concurrent enrollment
 - Articulation agreements
 - Skill assessment recognition
 - Comprehensive Guidance
 - Regional and state planning
- Align training with employer needs
- Provide strong academic skills and real-world problem-solving skills

Why complete a CTE Pathway? Earn CTE Cords to wear at graduation and a completter certificate that will help with the CTE Scholarships and jump-start your career!

"Career Pathways" - Your personal path to success!



Learning that works
for Utah

Animal & Veterinary Science



Animal & Veterinary Science:

Classes that are required to finish this CTE Pathway.

Required Courses

- o Animal Science 2A (.5)
- o Animal Science 2B (.5)

Elective Courses (2.0 credits)

- o Bio-Agricultural Sci A/FFA (.5)
- o Bio-Agricultural Sci B/FFA (.5)
- o Animal Science 1A (.5)
- o Animal Science 1B (.5)
- o Veterinary Assistant A (.5)
- o Veterinary Assistant B (.5)
- o ASTE 2900/Humanity Food Web(.5)
- o Principles of Leadership (.5)
- o CTE Internship (.5)

Food Science, Dietetics & Nutrition



Food Science, Dietetics & Nutrition:

Classes that are required to finish this CTE Pathway.

Required Courses

- o Dietetics & Nutrition 1 (.5)

Elective Courses (2.5 credits)

- o Food & Nutrition 1 (.5)
- o HDFS 1500/Human Dev. (.5)
- o Nutrition 1020 (.5)
- o Med Anatomy & Phys A (.5)
- o Med Anatomy & Phys B (.5)
- o CTE Internship (.5)

Plant Science



Plant Science:

Classes that are required to finish this CTE Pathway.

Required Courses

Only one of the following courses is required, but all can be taken & will count toward the

- o Floric. & Greenhouse Mgmt A&B (1.0)

AND/OR

- o Applied Plant & Soil Sci. 2A & 2B (1.0)

Elective Courses (1.0-2.0 credits)

- o Plant & Soil PSCI800/Greenhouse A&B (1.0)
- o ASTE 2900/Humanity Food Web (.5)
- o Bio-Agricultural Sci A/FFA (.5)
- o Bio-Agricultural Sci B/FFA (.5)
- o Principles of Leadership (.5)
- o CTE Internship (.5)

Welding & Machining



Welding & Machining:

Classes that are required to finish this CTE Pathway.

Required Courses

- o Welding 1 (Weld Tech, Entry)(.5)
- o Welding 2 (Weld Tech, Intern)(.5)

Elective Courses (2.0 credits)

- o BTECH Machining 1 (1.0)
- o BTECH Welding Tech, Adv (1.0)
- o CTE Internship (.5)

Finance



Finance:

Classes that are required to finish this CTE Pathway.

Required Courses

- o Accounting 1 (.5) **OR**
- BUSN 1111 (Acctg) (.5)
- o Accounting 2 (.5)

Elective Courses (2.0 credits)

- o Business Office Specialist (.5)
- o Economics **OR** Econ1500 (.5)
- o Entrepreneurship (.5)
- o Marketing 1 (.5)
- o Principles of Leadership (.5)
- o Sports & Recreation Mktg (.5)
- o Web Development 1 (.5)
- o CTE Internship (.5)

Business



Business:

Classes that are required to finish this CTE Pathway.

Required Courses

- o Business Management (.5) **OR**
- USU BUSN 1010 - Bus Principles (.5)

Elective Courses (2.5 credits)

- o Accounting 1 OR BUSN 1111 (.5)
- o Business Office Specialist (.5)
- o Digital Media 1 (.5)
- o Economics **OR** Econ1500 (.5)
- o Entrepreneurship (.5)
- o Marketing 1 (.5)
- o Principles of Leadership (.5)
- o Sports & Recreation Mktg (.5)
- o Web Development 1 (.5)
- o BTECH Real Estate (1.0)
- o CTE Internship (.5)

Construction & Structural Systems



Construction & Structural Systems:

Classes that are required to finish this CTE Pathway.

Only one of the following courses is required, but all can be taken & will count toward the pathway

Required Courses

- o BTECH Electrician (1.0) **AND/OR**
- o BTECH Plumbing (1.0)

Elective Courses (1.0-2.0 credits)

- o CAD Architectural Design 1 (.5)
- o Entrepreneurship (.5)
- o Interior Design 1 (.5)
- o Unmanned Aerial Systems/UAS1010 (.5)
- o Welding 1 (Welding Tech, Entry)(.5)
- o Woods 1 (.5)
- o CTE Internship (.5)

Broadcasting & Digital Media



Broadcasting & Digital Media:

Classes that are required to finish this CTE Pathway.

Required Courses

- o Video Production 1 (.5)

Elective Courses (2.5 credits)

- o Digital Media 1 (.5)
- o Computer Programming 1 (.5)
- o Comp Science Principles (.5)
- o Video Production 2 (.5)
- o Web Development 1 (.5)
- o BTECH Digital Media 2 (.5)
- o CTE Internship (.5)

Programming & Software Development



Programming & Software Development:

Classes that are required to finish this CTE Pathway.

Required Courses

Only one of the following courses is required, but all can be taken & will count toward the pathway

- o Comp. Program 2/CS1400 (.5)
- AND/OR**
- o Gaming Dev. Fundamentals 1 (.5)
- Elective Courses (2.0-2.5 credits)**
- o Computer Programming 1 (.5)
- o Computer Sci Principles (.5)
- o Exploring Computer Science (.5)
- o Gaming Dev. Fundamentals 2 (.5)
- o IT STEM Academy/BTECH IT (.5)
- o MATH 1050 (.5)
- o Robotics 1 (.5)
- o UAS1010 - Unmanned Aircraft Sys. (.5)
- o Web Development 1 (.5)
- o CTE Internship (.5)

Personal Care Services (Cosmetology)



Personal Care Services:

Classes that are required to finish this CTE Pathway.

Required Courses

Pathway can be completed with required course only

- o Cosmetology (3.0)
- Elective Courses**
- o Business Office Specialist (.5)
- o Entrepreneurship (.5)
- o Marketing 1 (.5)
- o Principles of Leadership (.5)
- o CTE Internship (.5)

Fashion, Apparel & Textiles



Fashion, Apparel & Textiles:

Classes that are required to finish this CTE Pathway.

Required Courses

Only one of the following courses is required, but all can be taken & will count toward the pathway

- o Sewing Constr. & Textiles 2 (.5)
- AND/OR**
- o BTECH Fashion Merch. (1.0)
- Elective Courses (1.5-2.5 credits)**
- o Fashion Design Studio (.5)
- o Digital Media 1 (.5)
- o Sewing Constr. & Textiles 1 (.5)
- o FCSE1040 Sports & Outdoor Design (.5)
- o CTE Internship (.5)

Diesel



Diesel:

Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH – Diesel (1.0)

Elective Courses (2.0 credits)

- o Ag Mechanics & Tech 1A (.5)
- o Ag Mechanics & Tech 1B (.5)
- o Entrepreneurship (.5)
- o Welding 1 (Welding Tech, Entry)(.5)
- o BTECH Auto Service Tech (1.0)
- o BTECH Electronics (1.0)
- o BTECH Machining 1 (1.0)
- o CTE Internship (.5)

Engineering



Required Courses

- o Robotics 1 (.5)
- o Robotics 2 (.5)
- AND/OR**
- o CAD Mechanical Design 1 (.5)
- o CAD Mechanical Design 2 (.5)
- Elective Courses (1.0-2.0 credits)**
- o CAD Architectural Design 1 (.5)
- o CAM Automated Mfg (.5)
- o UAS1010 - Unmanned Aircraft Sys. (.5)
- o Welding 1 (Weld Tech, Entry)(.5)
- o Woods 1 (.5)
- o BTECH AM STEM Academy (1.0)
- o BTECH Electronics (1.0)
- o BTECH Machining 1 (1.0)
- o CTE Internship (.5)

Manufacturing & Production



Required Courses

- o Woods 2 (.5)
- o BTECH AM STEM Academy (1.0)

Elective Courses (1.5 credits)

- o Woods 1 (.5)
- o CAD Mechanical Design 1 (.5)
- o CAM Automated Mfg (.5)
- o CTE Internship (.5)

Advanced Health Science



Required Courses

- o WSU Advanced Anatomy A (.5)
- o WSU Advanced Anatomy B (.5)
- o WSU Advanced Anatomy C (.5)

Elective Courses (1.5 credits)

- o Intro to Health Science (.5)
- o Med Anat & Phys A&B/HEAL1500(1.0)
- o HEAL 1008/Med Terminology (.5)
- o Intro to Emergency Med Resp. (.5)
- o USU HDFS 1500/Human Dev.(.5)
- o Behavioral Health, Intro (.5)
- o Nutrition 1020 (.5)
- o PSY 1010 - Psychology (.5)
- o Exercise Science A&B (1.0)
- o CTE Internship (.5)

Exercise Science/ Sports Medicine



Required Courses

- o Exercise Science A&B (1.0)

Elective Courses (2.0 credits)

- o Intro to Health Science (.5)
- o Med Anat & Physiology A&B (1.0)
- o HEAL 1008/Med Terminology (.5)
- o Intro to Emergency Med Resp. (.5)
- o USU HDFS 1500/Human Dev.(.5)
- o WSU Advanced Anatomy A,B,C (1.5)
- o Behavioral Health, Intro (.5)
- o Nutrition 1020 (.5)
- o PSY 1010 - Psychology (.5)
- o CTE Internship (.5)

Dental Assistant



Dental Assistant:

Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH – Dental Assist (1.0)

Elective Courses (2.0 credits)

- o Exercise Science A&B (1.0)
- o Intro to Health Science (.5)
- o Med Anat & Physiology A&B (1.0)
- o Behavioral Health, Intro (.5)
- o HEAL 1008/Med Terminology (.5)
- o Intro to Emergency Med Resp. (.5)
- o USU HDFS 1500/Human Dev. (.5)
- o Nutrition 1020 (.5)
- o PSY 1010 - Psychology (.5)
- o WSU Advanced Anatomy A,B,C (1.5)
- o CTE Internship (.5)

Medical Assistant



Medical Assistant:

Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH Medical Assistant (1.0)

Elective Courses (2.0 credits)

- o Exercise Science A&B (1.0)
- o Intro to Health Science (.5)
- o Med Anat & Physiology A&B (1.0)
- o Behavioral Health, Intro (.5)
- o HEAL 1008/Med Terminology (.5)
- o Intro to Emergency Med Resp. (.5)
- o USU HDFS 1500/Human Dev. (.5)
- o Nutrition 1020 (.5)
- o PSY 1010 - Psychology (.5)
- o WSU Advanced Anatomy A,B,C (1.5)
- o CTE Internship (.5)

Nurse Assistant (CNA)



Nurse Assistant (CNA):

Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH Nurse Assistant (1.0) **OR**
Utah CNA Cert Nurse Aide (1.0) online

Elective Courses (2.0 credits)

- o Exercise Science A&B (1.0)
- o Intro to Health Science (.5)
- o Med Anat & Physiology A&B (1.0)
- o Behavioral Health, Intro (.5)
- o HEAL 1008/Med Terminology (.5)
- o Intro to Emergency Med Resp. (.5)
- o USU HDFS 1500/Human Dev. (.5)
- o Nutrition 1020 (.5)
- o PSY 1010 - Psychology (.5)
- o WSU Advanced Anatomy A,B,C (1.5)
- o CTE Internship (.5)

Pharmacy Technician



Pharmacy Technician:

Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH – Pharmacy Tech (1.0)

Elective Courses (2.0 credits)

- o Exercise Science A&B (1.0)
- o Intro to Health Science (.5)
- o Med Anat & Physiology A&B (1.0)
- o Behavioral Health, Intro (.5)
- o HEAL 1008/Med Terminology (.5)
- o Intro to Emergency Med Resp. (.5)
- o Nutrition 1020 (.5)
- o PSY 1010 - Psychology (.5)
- o WSU Advanced Anatomy A,B,C (1.5)
- o CTE Internship (.5)

Broadcasting & Digital Media



Protective Services:

Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH Wildland Firefighter (1.0)

Elective Courses (2.0 credits)

- o Behavioral Health, Intro (.5)
- o Principles of Leadership (.5)
- o Exploring Computer Sci (.5)
- o Intro to Health Science (.5)
- o IT STEM Academy/BTECH IT (.5)
- o Law Enforcement (.5)
- o UAS1010 - Unmanned Aircraft Sys. (.5)
- o CTE Internship (.5)

Family & Human Services



Family & Human Services:

Classes that are required to finish this CTE Pathway.

Required Courses

Only one of the following courses is required, but all can be taken & will count toward the pathway

- o Indiv. & Family Relationships (.5)
OR HDFS 2400/Indiv. & Family Rel (.5)

AND/OR

- o Personal & Family Finance (.5)

Elective Courses (2.0-2.5 credits)

- o Behavioral Health, Intro (.5)
- o Intro to Health Science (.5)
- o HDFS 1500/Human Dev. (.5)
- o PSY 1010 - Psychology (.5)
- o CTE Internship (.5)

Pre-K: Early Childhood Education



Pre-K: Early Childhood Education:

Classes that are required to finish this CTE Pathway.

Required Courses

- o Early Childhood Education 1 (.5)
- o Early Childhood Education 2 (.5)

Elective Courses (2.0 credits)

- o Child Development (.5)
- o Food & Nutrition 1 (.5)
- o HDFS 1500/Human Dev. (.5)
- o CTE Internship (.5)

K-12: Teaching as a Profession



K-12: Teaching as a Profession:

Classes that are required to finish this CTE Pathway.

Required Courses

- o TEAL 1010 Aspiring Educators (.5)

Elective Courses (2.5 credits)

- o Teaching as a Profession 1 (.5)
- o English 1010 (.5)
- o HDFS 1500/Human Dev. (.5)
- o Math 1050 (.5)
- o CTE Internship (.5)

Graphic Design & Communication



Graphic Design & Communication:

Classes that are required to finish this CTE Pathway.

Required Courses

- o Commercial Photo 1 (.5)

Elective Courses (2.5 credits)

- o Commercial Photo 2 (.5)
- o CAD Mechanical Design 1 (.5)
- o Digital Media 1 (.5)
- o Entrepreneurship (.5)
- o Interior Design (.5)
- o UAS1010 - Unmanned Aircraft Sys. (.5)
- o CTE Internship (.5)

Health Science



Health Science:

Classes that are required to finish this CTE Pathway.

Required Courses

Only one of the following courses is required, but all can be taken & will count toward the pathway

- o Exercise Science A&B (1.0)

AND/OR

- o Med Anatomy & Physiology A&B (1.0)

Elective Courses (1.0-2.0 credits)

- o Intro to Health Science (.5)
- o Behavioral Health, Intro (.5)
- o Intro to Emergency Med Resp. (.5)
- o Nutrition 1020 (.5)
- o HEAL 1008/Med Terminology (.5)
- o USU HDFS 1500/Human Dev. (.5)
- o PSY 1010 - Psychology (.5)
- o CTE Internship (.5)