

Unlocking Potential: Navigating Apprenticeships and Work-Based Learning for Post-Secondary Success

Workshop for K-16 Counselors Conference, March 26, 2025

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1

Preparing students for future success in education and the workforce



K-16 counselors are in a unique position to help prepare students for successful careers and lifelong learning.



The goal of this workshop is to help you better understand and promote the benefits of work-based learning, including apprenticeships.

2

Benefits of Work-Based Learning for Secondary and Post-Secondary Students

Real-World Experience

Skill Development

Career Exploration

Networking Opportunities

Increased Engagement

Enhanced Employability

Industry-Relevant Skills

Transition to Full-Time Employment

Financial Benefits

Professional Growth

3

How Counselors Can Support Students:

Guidance and Counseling:

- Help students identify suitable work-based learning opportunities.
- Provide advice on balancing work and academic responsibilities.

Resource Provision:

- Connect students with resources and programs that offer work-based learning.
- Facilitate partnerships with local businesses and industries.

Monitoring and Support:

- Regularly check in with students to ensure they are benefiting from their experiences.
- Address any challenges or concerns that arise during their placements.

4

Work-Based Learning




Definition and Examples

- Internships
- Job Shadowing
- CAPS programs/Catalyst
- Expand the walls of the classroom

Benefits of Work-Based Learning for Students

- Real-world experience
- Networking opportunities
- Skill development






5



Post-Secondary Options

PATHWAYS TO SUCCESS

Certificates & Degrees at

- Community Colleges
- Technical Schools/Colleges
- Universities

How Apprenticeships and Work-Based Learning Fit In

- Integration with academic programs
- Transition to full-time employment

www.MTEC.edu www.UVU.edu

6

What are Apprenticeships?



SOURCE: apprenticeship.utah.gov

- Apprenticeships are **industry-driven, high-quality career pathways** where employers develop and prepare their future workforce and individuals obtain **paid work experience, classroom instruction, and a portable, nationally-recognized credential**.
- Traditionally, apprenticeships are pursued in sectors like construction and manufacturing, but Utah companies sponsor apprenticeship programs in a variety of industries including healthcare and technology.
- “Traditional” vs. “Non-Traditional”

Connecting to the workforce....

7

Examples of the ‘Traditional’ Apprenticeships at MTECH

- HVACR
- Electrical
- Plumbing



 MOUNTAINLAND
TECHNICAL COLLEGE

8

Introduction to Apprenticeship

- Earn while you learn: Work and study simultaneously
- Hands-on training with experienced professionals
- Pathway to high-demand, well-paying careers
- Combination of classroom instruction and real-world experience



9

Electrical Apprenticeship Overview

- Length 4 years (8 semesters)
- Start by getting a job in the industry, obtain an "Apprentice License", Then you may register for night classes
- 4 years of school and 4 years working with your Apprentices license
- All of this to get you ready for 3 journeyman's exams



10

Daytime Classes

There is no job required before registration however the daytime program only runs for the first year of school and one must become employed in the industry to continue on.

MTECH does its best to help with job placement for all students



11

HVACR Apprenticeship Overview

- Length 18 months
(3 semesters, 4 nights a week)
- Hands-on training with experienced professionals
- Helps get you ready for the field
- No Apprentices license required
- Obtain HVACR certifications as you advance in preparation for your career



12

Action Items

- Instructional Delivery Method
- Plumbing apprenticeship a Hybrid program. The majority of the classes deliver 2 hours of classroom instruction with an hour of online content.
- Hybrid Track. One night in class one night online learning
- Instructional Equipment
- Repurposing the wood from the two story mockup for smaller table trainers



13

Plumbing Apprenticeship Overview



- Length 4 years (8 semesters)
- Start by getting a job in the industry, obtain an “Apprentice License”, then you may register for night classes
- 4 years of school and 4 years working with your Apprentices license
- All of this to get you ready for 2 journeyman's exams



14

Daytime Classes

- There is no job required before registration however the daytime program only runs for the first year of school and one must become employed in the industry to continue on.
- MTECH does its best to help with job placement for all students



15

Why Choose Apprenticeship?

- There is a huge shortage in our country for the trades
- Mind-shift, a lot of big companies are looking for big minds they need more estimators and project managers.
- Most students get their school paid for by their employer depending on grades
- Future business owners, There is a great opportunity for these students to start their own companies
- All three industries have become more diverse, The trade have drawn more attention for all genders and diverse backgrounds



16

SkillsUSA



Galaxy S21 Ultra 5G



Galaxy S21 Ultra 5G



17



Galaxy S21 Ultra 5G



Galaxy S21 Ultra 5G



18

Example of a *Non-Traditional* Apprenticeship at UVU

- REMEMBER, **non-traditional apprenticeships are expanding in the *non-trades* areas** such as industries including healthcare and technology.
 - Local Utah companies are sponsoring opportunities in an effort to develop their future workforce.
- **UVU recently started a work group** to identify the potential areas of study for apprenticeships,
 - including business with emphasis in sales and marketing, finance, manufacturing, and technology development.



19

Example of a *Non-Traditional* Apprenticeship at UVU

- In January 2025, UVU announced their first non-traditional apprenticeship—the **AI Solutions Apprentice** to work with three local partner employers: ClarionAI, SchoolAI, and AskElephant.
 - For UVU enrolled students. Varied backgrounds and experience. One year, hands-on experience; tied to curriculum; end with certificate in data analytics and decision making from Woodbury School of Business.
 - More and more non-traditional apprentice opportunities are currently being identified and will appear during the next two years at UVU.



20

Other opportunities for work-based or engaged learning at UVU

The Innovation Academy

collaborates across campus and with external partners to facilitate, assess, and increase accessibility of engaged learning opportunities for all students, impacting student success.



Career & Technical Education: a variety of training programs to best fit student interests and needs. Many offer two-year associate degrees, while other programs provide certificate or one-year training. Our approach combines relevant academic learning with real technical skills.



21

Other opportunities for work-based or engaged learning at UVU

- **Excellence and Innovation Initiative (e2i):** project-based learning that connects education to real world problem-solving
- **UVU Empowered:** to prepare Utah's next generation of professionals by offering tuition-free, 7-week summer university courses for high-school students.
- **Professional mentorships:** students are connected with industry professionals.
- **Service-learning and the Center for Social Impact:** connecting course concepts with real-world community needs.
- Unique **collaborations** with Fanx, Huntsman Cancer Institute, and numerous industry partners.
- Capstone projects, SkillsUSA competitions, in-class projects with real-world industry partners, etc.....



22

There are so many pathways and options for each student.

Resources online

- www.uvu.edu/CTE
 - Fact Sheet—downloadable PDF
 - Programs, Certificates, Associates Degrees
- www.uvu.edu/pathways
 - Mountainland Region partners, pathways
 - Resources

Pathways Are:

- Aligned to a student's needs and goals.
- Empowering for students.
- Expansive and flexible.
- Crafted out of a variety of educational experiences.



Pathways Are Not:

- Fixed or pre-determined routes.
- Isolated or disconnected from the real world.
- Limited or restrictive.
- Confined to a traditional classroom setting.
- One-Size-Fits-All.



23



24

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