

High School to College and Career Pathway: Secondary Career and Technical Education

Skilled and Technical Sciences Education Pathways

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Carpentry

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Electrician

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HVAC

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Plumbing

Pathway: Building Trades – Carpentry

Foundation Courses:

(1.50 credits required)
Carpentry 1 – 1.00
Construction Trades Foundation – .50

Elective Courses:

(1.50 credits required)

- Accounting 1 – .50
- Business Management – .50
- CAD Mechanical Design 1 * – .50
- CAD Mechanical Design 1 * – .50
- CAD Architectural Design 2 * – .50
- Cabinetmaking – 1.00
- Carpentry 2 – 1.00

- Electrician 1 – 1.00
- Electronics 1 – .50
- Entrepreneurship – .50
- Furniture Design & Manufacturing * – .50
- HVAC – 1.00
- Plumbing 1 – 1.00
- Woodworking * – .50
- Workplace Skills – .50

* Course can be taken up to 1.00 credit.

3.00 credits required for completion



Pathway: Building Trades – Electrician

Foundation Courses:

(1.50 credits required)
Construction Trades Foundation – .50
Electrician 1 – 1.00

Elective Courses:

(1.50 credits required)

- Accounting 1 – .50
- Business Management – .50
- Carpentry 1 – 1.00
- CAD Mechanical Design 1 * – .50
- CAD Architectural Design 1 * – .50
- CAD Architectural Design 2 * – .50
- Electrician 2 – 1.00

- Electronics 1 – .50
- Electronics 2 – .50
- Electronics 3 – .50
- Entrepreneurship – .50
- HVAC – 1.00
- Plumbing 1 – 1.00
- Woodworking * – .50
- Workplace Skills – .50

* Course can be taken up to 1.00 credit.

3.00 credits required for completion



Pathway: Building Trades – HVAC

Foundation Courses:

(1.50 credits required)
Construction Trades Foundation – .50
Heating/Air Conditioning/Refrigeration (HVAC) – 1.00

Elective Courses:

(1.50 credits required)

- Accounting 1 – .50
- Business Management – .50
- Carpentry 1 – 1.00
- CAD Mechanical Design 1 * – .50
- CAD Architectural Design 1 * – .50
- CAD Architectural Design 2 * – .50

- Electrician 1 – 1.00
- Electronics 1 * – .50
- Electronics 2 * – .50
- Electronics 3 * – .50
- Entrepreneurship – .50
- Plumbing 1 – 1.00
- Workplace Skills – .50

* Course can be taken up to 1.00 credit.

3.00 credits required for completion



Pathway: Building Trades – Plumbing

Foundation Courses:

(1.50 credits required)
Construction Trades Foundation – .50
Plumbing 1 – 1.00

Elective Courses:

(1.50 credits required)

- Accounting 1 – .50
- Business Management – .50
- CAD Mechanical Design 1 * – .50
- CAD Architectural Design 1 * – .50
- CAD Architectural Design 2 * – .50

- Carpentry 1 – 1.00
- Electrician 1 – 1.00
- Electronics 1 *
- Entrepreneurship – .50
- HVAC – 1.00
- Plumbing 2 – 1.00
- Workplace Skills – .50

* Course can be taken up to 1.00 credit.

3.00 credits required for completion



> Foundation courses taken beyond the required credits can be used as elective credit.

> Core curriculum and elective requirements may vary district to district.

> Many CTE courses may qualify for concurrent enrollment credit, which in some cases may earn up to 1.00 credit toward Pathway completion. Talk to your school counselor about availability.

> Many Utah postsecondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional postsecondary Pathways for details.

> Visit UtahCTE.org for additional information.