

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

## Skilled and Technical Sciences Education Pathways

Carpentry

Electrician

HVAC

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**



## Skilled and Technical Sciences Education Pathways (continued)

<b>Pathway: Building Trades – HVAC</b>			
<b>Foundation Courses:</b> (1.50 credits required)  Construction Trades Foundation – .50 Heating/Air Conditioning/Refrigeration (HVAC) – 1.00	<b>Elective Courses:</b> (1.50 credits required)  <input type="checkbox"/> Accounting 1 – .50 <input type="checkbox"/> Business Management – .50 <input type="checkbox"/> Carpentry 1 – 1.00 <input type="checkbox"/> CAD Mechanical Design 1 * – .50 <input type="checkbox"/> CAD Architectural Design 1 * – .50 <input type="checkbox"/> CAD Architectural Design 2 * – .50	<input type="checkbox"/> Electrician 1 – 1.00 <input type="checkbox"/> Electronics 1 * – .50 <input type="checkbox"/> Electronics 2 * – .50 <input type="checkbox"/> Electronics 3 * – .50 <input type="checkbox"/> Entrepreneurship – .50 <input type="checkbox"/> Plumbing 1 – 1.00 <input type="checkbox"/> Workplace Skills – .50  * Course can be taken up to 1.00 credit. <b>3.00 credits required for completion</b>	
<b>Pathway: Building Trades – Plumbing</b>			
<b>Foundation Courses:</b> (1.50 credits required)  Construction Trades Foundation – .50 Plumbing 1 – 1.00	<b>Elective Courses:</b> (1.50 credits required)  <input type="checkbox"/> Accounting 1 – .50 <input type="checkbox"/> Business Management – .50 <input type="checkbox"/> CAD Mechanical Design 1 * – .50 <input type="checkbox"/> CAD Architectural Design 1 * – .50 <input type="checkbox"/> CAD Architectural Design 2 * – .50	<input type="checkbox"/> Carpentry 1 – 1.00 <input type="checkbox"/> Electrician 1 – 1.00 <input type="checkbox"/> Electronics 1 * <input type="checkbox"/> Entrepreneurship – .50 <input type="checkbox"/> HVAC – 1.00 <input type="checkbox"/> Plumbing 2 – 1.00 <input type="checkbox"/> Workplace Skills – .50  * Course can be taken up to 1.00 credit. <b>3.00 credits required for completion</b>	

- > 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 1.0 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](http://UtahCTE.org) for additional information.