



# CONSTRUCTION TECHNOLOGY

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## PROGRAM OVERVIEW

Construction Technology focuses on classroom and lab experiences involving the formation, installation, maintenance, and repair of buildings and structures. This program provides instruction in reading technical drawings and transforming those drawings into physical structures. The relationship of views and details, interpretation of dimension, transposing scale, tolerance, materials list, architectural plans, geometric construction, three dimensional drawing techniques, and sketching are presented as well as aspects of residential design and site work. Students team with Electricity students to complete construction projects throughout the community.



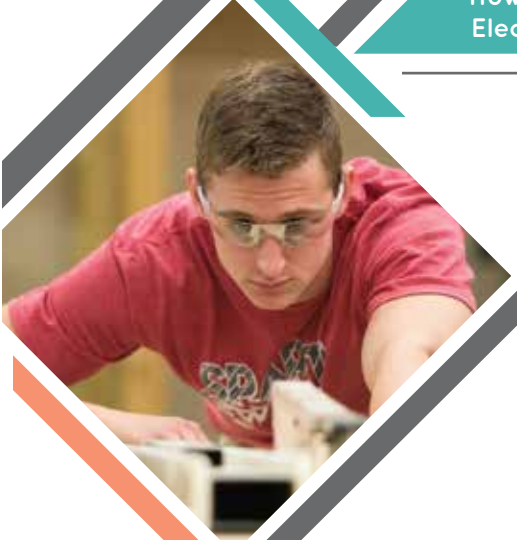
## YOU WILL LEARN

- Construction from the ground up
- How to read technical drawings
- Beginning aspects of residential design & site work
- How to apply skills to school & community building projects
- How to work in a team setting with Electricity students

## GET YOURSELF READY

To be successful, do well in all academic classes, be on track for graduation, and have a good work ethic. The following courses will help prepare you for the Construction Technology program:

- Preparing for College and Careers
  - Introduction to Construction
  - Other technology courses



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## CERTIFICATIONS & DUAL CREDITS

OSHA 10-Hour Construction Industry Safety Certification - Year 1  
NCCER (National Center for Construction Education and Research) Core  
NCCER (National Center for Construction Education and Research) Carpentry I

### Ivy Tech Dual College Credits

BCTI 100	Introduction to Construction Technology	3 credits
BCTI 101	Introduction to Carpentry, Part 1	3 credits
BCTI 102	Introduction to Carpentry, Part 2	3 credits

Industry certifications and dual credits are earned in year one.

\* Dual credits & certifications offered are subject to change.

## NEXT CAREER STEPS

Upon completion of this program, you may continue your education in 2 and 4-year degree programs at the postsecondary level or enter employment in one of the many construction fields. You may also enter apprenticeship programs for specific construction trades.

## POTENTIAL CAREERS

• Construction Laborer	\$34,270
• First-Line Supervisor	\$64,520
• Construction Manager	\$87,080
• Construction & Building Inspector	\$51,510
• Construction Equipment Operator	\$59,190
• Painters & Maintenance	\$40,120

INDIANA MEAN WAGE

All career and salary information is cited from the U.S. Department of Labor Bureau of Labor Statistics, May 2020 State Occupational Employment & Wage Estimates.



## TRANSCRIPT INFORMATION

NEXT LEVEL PROGRAM OF STUDY

Cluster: Architecture and Construction

Pathway: Construction Trades (Carpentry)

### CONSTRUCTION TECHNOLOGY YEAR I

#### DOE Course Codes:

7130	Principles of Construction Trades	1 credit per semester
7123	Construction Trades: General Carpentry	1 credit per semester
7122	Construction Trades: Framing and Finishing	1 credit per semester

Co-requisites: Courses must be taken concurrently

Recommended Grade Levels: 11, 12

### CONSTRUCTION TECHNOLOGY YEAR II

#### DOE Course Codes:

7242 Construction Trades Capstone 3 credits per semester

Prerequisite: Year I

Recommended Grade Level: 12

Construction Technology II qualifies as a Quantitative Reasoning Course (QR).



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