



CONSTRUCTION TECHNOLOGY

WHITEWATER CAREER CENTER

PROGRAM OVERVIEW

Construction Technology is a hands-on program. You will use applied math and logic skills to solve problems and complete tasks. If you like to work with your hands, especially outdoors, and would like to be part of a crew that builds structures in the community, this is the program for you.

YOU WILL LEARN

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

A TYPICAL STUDENT

The typical student is one that enjoys hands-on learning. There will be a significant emphasis on measurement and conversions at the beginning of the first-year program. These skills will be necessary through the second-year of the program, during further training, and on the job. Successful students have the patience and attention to detail to solve problems using the skills they have learned. They can work on projects independently or with other students. They can read technical drawings, check their work as needed, and stay on task without constant supervision. Safety is a primary focus, and students must follow OSHA guidelines to keep themselves and others safe.

GET YOURSELF READY

To be prepared for success, focus on doing well in academic classes and developing a good work ethic. The following pathways courses will help prepare students for the Construction Technology career program, further education and training, and a career in the construction industry:

- Preparing for College and Careers
- Introduction to Construction
- Technology courses



WHITEWATER
CAREER CENTER

Where opportunities flow

Centerville | Connersville | Franklin County
Lincoln | Rushville | Union County

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www.WhitewaterCareerCenter.org



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CERTIFICATIONS & DUAL CREDITS

INDUSTRY CERTIFICATIONS

OSHA 10-Hour Construction Industry

NCCER (National Center for Construction Education and Research) Core - Year 1

NCCER (National Center for Construction Education and Research) Carpentry I - Year 2

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
BCTI 103	Carpentry Framing & Finishing, Part 1	3 credits
BCTI 104	Carpentry Framing & Finishing, Part 2	3 credits

Industry certifications are earned in both years. Dual credits are earned during both years.

YEAR ONE

Construction Technology I 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 beginning aspects of residential design and site work. Students examine the design and construction of floor and wall systems and develop layout and floor construction skills. Blueprints and other professional planning documents are also covered.

YEAR TWO

Construction Technology II builds on the formation, installation, maintenance, and repair skills learned in year one. Students will develop basic knowledge, skills, and awareness of interior trim and the installation of drywall, moldings, interior doors, cabinets, and baseboard moldings. Students will also develop exterior finishing skills. The program includes instruction on the installation of cornices, windows, doors, and various types of sidings currently used in industry and on the design and construction of roof systems and the use of framing squares for traditional rafter and truss roofing. Students team with Electricity students to complete custom construction projects throughout the community. Year two students also develop leadership skills and work as team leaders.

WHEN YOU FINISH

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

	NATIONAL MEAN WAGE
• Construction Laborer	\$38,230
• First-Line Supervisor	\$69,200
• Construction Manager	\$101,000
• Construction & Building Inspector	\$62,020
• Construction Equipment Operator	\$51,050
• Painters & Maintenance	\$41,840

All career and salary information is cited from the U.S. Department of Labor Bureau of Labor Statistics, May 2017 National Occupation Employment & Wage Estimates.



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