



## CONSTRUCTION

### Course Description:

Students will receive a basic overview of the construction industry. They will start by learning basic safety procedures including CPR and First Aid, as well a 10-hour OSHA certificate. Students will quickly learn how to use hand and power tools in the classroom, then transfer those skills over to the CTC Project House. Construction students will also:

- Learn all aspects of residential construction including concrete, rough framing, finish carpentry, exterior finishes and blueprint reading.
- Develop skills in teamwork, leadership, math, and estimating.
- Put classroom knowledge to work building a custom residential home in Timberline Acres, one of Holland's most desirable subdivisions.
- Split their time between learning techniques in the classroom, lab, and hands-on application at the CTC Project House. Students will be transported by CTC school bus to/from the job site.
- Students will learn about multiple career opportunities available in the residential and commercial construction field.



**Careerline**  
*Tech Center*

Students who would benefit from this program are those who enjoy working with their hands, have good math skills (fractions and measurements), like to build things and enjoy working outside in all types of weather. Students who complete the 2-year program will see all aspects of building a house.

**High School Credit:** Students will earn elective credit at their high school upon completion of this course. Please see a high school counselor (based on district decision) for eligibility towards 4th-year math-related credit, VPAA credit, and waived credits for third year science and second year world language.

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## LENGTH OF PROGRAM

1 year, with option to return

### Construction A Instructor:

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### ParaPro:

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### Construction B Instructor:

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### ParaPro:

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### Course Outline:

**1st Semester:** Tool safety, tape measure reading, tool identification, blueprint reading, floor framing, wall framing, roof framing

**2nd Semester:** Roofing (shingling), siding, stair construction, concrete & forming, windows & doors

### Resources Used:

Modern Carpentry, 13th Ed. textbook, wide variety of construction tools and equipment, and more.

### Postsecondary Partners:

Davenport University

**Work-Based Learning:** Students can participate in activities with classmates and outside community partners to strengthen their leadership skills through Team Leader opportunities at the CTC Project House job site.

**Safety Training Provided In:** First Aid CPR, NCCER, and additional training in: ladder/scaffold safety, tool safety, job site safety, fall protection (safety equipment), and 10-hour OSHA—Construction,

**Student Leadership Opportunities:** Students have the opportunity to engage in activities to develop relationships with classmates and community partners to strengthen their leadership skills.

**Opportunities include:** Students have the opportunity to learn leadership skills on the CTC Project House job site. They take turns being the team leader.

**Offsite Delivery:** Students split between learning in classroom and hands-on application at the CTC Project House. (students are bused to the house daily) no matter the weather.

**Capstone:** Upon course completion and with teacher recommendation, qualifying students may extend their learning through Capstone. This highly independent course has rigorous attendance and employability requirements. Enrollment starts in May. See your work-based learning coordinator for more information.

## Related Careers with 2022 Median Annual Pay from O\*Net

- Construction Worker \$ 44,890
- Construction and Building Inspectors \$ 64,480
- Brick masons & Block masons \$ 59,000
- Construction Managers \$101,480
- Cabinet Maker \$ 38,810
- And many more



### TO ENROLL

[bit.ly/CTCenroll](https://bit.ly/CTCenroll)



### QUESTIONS?

Contact Jannette Bole  
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### FOLLOW US

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### Careerline Tech Center

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