

Earn College Credit

Did you know West Shore Career-Technical Programs offer students the opportunity to earn college credits similar to Advanced Placement (AP) courses?

Every West Shore Career Tech Program offers college credits.

You have **three different ways** that you can earn college credits:

- Receive Tech Prep college credit through West Shore's Northeast Tech Prep Regional partnership
- Apply for CT² credit which is a statewide college credit system
- Utilize bilateral agreements that are available with private colleges or other program-specific credit opportunities

Earning college credit requires acceptable performance and attendance in your chosen West Shore program. Individual colleges maintain their own criteria. College credit will not be granted if specific criterion is not met.

In general, most colleges require a 2.0/2.5 cumulative grade point average (CGPA) and a 3.0 in the Career-Technical program.

Required paperwork and deadlines need to be met to earn college credit.

For more information visit our website and click on: College/Post-Secondary Credit

Visit us at:

www.lakewoodcityschools.org/westshore

Or apply today at:

<http://tinyurl.com/wsapply>



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West Shore Career-Technical District
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(216) 529-4163

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**Engineering
Technology
Project Lead the Way**

**Dream.
Plan.
Begin.**

About

Do you enjoy all things STEM? Can you see a career in engineering in your future?

Then Engineering Technology is for you. This program is available your junior year. LHS students—you have the option to take the first class your 9th grade year and spread out the 5 courses across all four years, or start your 10th grade year and spread out the 5 courses over three years.

Project Lead the Way is a national program that introduces you to careers in the many different fields of engineering.

Through the five required courses, you will learn how to take an idea through a design process that will eventually be manufactured or produced. You will use creativity and apply decision –making skills and problem-solving skills to design solutions. You will be exposed to the major concepts that you will encounter in post-secondary engineering courses.

Senior year you will learn and apply knowledge and skills necessary to program and operate robots, using teach pendant as the main interface point. You will study electronic circuits that are used to process and control digital signals. You will also work with a team in your research course to research, design and construct a solution to an open-ended engineering problem.

Engineering Technology 1 — Jr Year*

2 periods worth 2 credits

Prerequisite: Algebra 1 (completed or currently passing)

Engineering Technology 2— Sr Year

3 periods worth 3 credits

Prerequisite: Engineering Technology 1, Algebra 2

*LHS students can take the first class freshman year and spread out the 5 courses across all four years, or start sophomore year and spread out the 5 courses over three years.

Possible Careers

With further education and training after high school, Engineering Technology students' career options are:

- Civil Engineer
- Industrial and Manufacturing Engineer
- Mechanical Engineer
- Landscape Design
- Electrical Engineer
- Computer Engineer
- Welding Engineer
- Aerospace Engineer
- Urban Planning/Designer

