

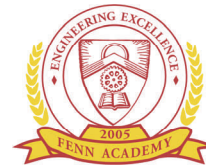
## About the Pathway to Engineering Camp:

- Theme: **Clean and Renewable Energy.**
- Hands-on camp for high school students entering their junior or senior year.
- Three separate camps are offered.
- Students may select one of the camp sites shown below:  
  
CSU's Main Campus (Downtown)  
Lorain County Community College (Elyria)  
CSU's East Campus (Solon)
- A minimum of 10 students is required at each location.
- The camp is designed to accept about 90 students in Summer 2010.

For more information and an application, visit [www.csuohio.edu/fennacademy](http://www.csuohio.edu/fennacademy), click on “Pathway Summer Camp”, print application and mail to CSU.

### What is Fenn Academy?

Established in 2005, Fenn Academy is a partnership among 35 area high schools and 10 local corporations who have committed themselves to encouraging high school students to pursue an engineering career.



Cleveland State  
University  
Fenn College of Engineering

Cleveland State University

Mailing Address:  
2121 Euclid Avenue SH104  
Cleveland, OH 44115

Phone: 216 687 2555  
Web Address:  
[www.csuohio.edu/fennacademy](http://www.csuohio.edu/fennacademy)

## FENN ACADEMY

### PATHWAY TO ENGINEERING SUMMER CAMP

June 14, 2010 — June 30, 2010

Time: 9:00a.m. — 5:00p.m.



“Hands-On”  
Engineering Summer  
Camp



Cleveland State  
University  
Fenn College of Engineering

# Pathway to Engineering Summer Camp



The focus of the camp will be **Clean and Renewable Energy**. Students will also develop an understanding of the following engineering fields:

- Chemical and Biomedical Engineering
- Civil and Environmental Engineering
- Electrical and Computer Engineering
- Mechanical Engineering
- Electronic Engineering Technology
- Mechanical Engineering Technology

Students will also be informed about how to prepare for an undergraduate engineering education while they are in high school and will receive career planning information.

## Camp Dates:

June 14, 2010—June 30, 2010

## Camp Hours:

Monday through Friday,  
9:00a.m.-5:00p.m.

PLEASE DO NOT SEND YOUR PAYMENT  
PRIOR TO RECEIVING A LETTER OF  
ACCEPTANCE.

## Cost to Participate:

Applicants	Tuition
First 30 applicants from any Ohio Project Lead the Way* (PLTW) schools	Free
Additional Ohio PLTW applicants	\$250.00
Member Fenn Academy** Schools	\$250.00
All other schools	\$500.00

\*Please check with PLTW website at:

[http://pltwohio.org/schools\\_participating.php](http://pltwohio.org/schools_participating.php)

\*\*Please see the list at:

<http://www.csuohio.edu/engineering/fennacademy/>

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## Application Requirements:

1. High school students seriously interested in Engineering.
2. Minimum 3.0 cumulative GPA.
3. Students entering their Junior or Senior year in Fall of 2010.
4. Students with A's or B's in math and science related courses are preferred, as are students with positive teacher recommendations.
5. Completed and signed Pathway Camp application document.
6. Certified documentation of student's GPA in the form of a sealed original transcript from their high school (must be mailed with application).
7. Incomplete applications will not be accepted.

## Camp Activities:

- Overview of undergraduate engineering degree programs
- Post Secondary enrollment Options Program
- Energy and its Impact on Society
- Wind Turbines
- Engineering Design Concepts
- Renewable Energy
- Wind Energy Recovery
- Heat and Temperatures
- Solar Energy
- Potential and Kinetic Energy
- Egg Drop Competition
- Batteries and Fuel Cells
- Energy Conservation
- Energy Audits
- Ergonomics and Design
- Technical Writing Concepts
- Patent Law as an Option for Engineers
- Researching Engineering Careers.

Field trips and guest speakers will also be provided which are relevant to the focus of the camp.

## Applications are due by:

Monday, May 10, 2010

## Mail Applications to:

Cleveland State University  
Fenn College of Engineering  
2121 Euclid Avenue SH104  
Cleveland, OH 44115  
ATTN: Pathway to Engineering 2010