FUTURE ENGINEERS

HIGH SCHOOL SUMMER CAMPS

FRANCIS COLLEGE OF ENGINEERING
UMASS LOWELL

TOMORROW STARTS TODAY.
The Francis College of Engineering at the University of Massachusetts Lowell is excited to host two, overnight, week-long summer camps for high school students in July 2016.

Discover the AMAZING world of Engineering through hands-on projects and interactions with students, faculty, staff and alumni!

Work in one of our NEW 3D-Printing or CNC Machining labs - as you get to know the theory and process behind design and production.

www.uml.edu/engineering
ENGINEERING FOR A CONNECTED WORLD

**JULY 10 - 15, 2016**

The "Internet of Things", smart phones, smart cars, smart clothes, smart buildings... is defining a connected world. And engineers are at the heart of building it. Students will learn about the innovation required in a connected world, product design, build, and test. Potential camp projects include:

- Design/build a “smart shirt” that monitors health/activity.
- Design a system to track ridership on buses to improve service.
- Implement a system to monitor critical infrastructure
- Build a system to allow cars to “talk” with one another to improve safety.

ENGINEERING FOR SUSTAINABILITY

**JULY 17 - 22, 2016**

Engineers utilize their training to make the world a better place. Students will learn about innovation, sustainability, product design and performance analysis. This program is designated for female students interested in pursuing Engineering. Potential camp projects include:

- Design and build an inexpensive water purification system.
- Develop and build a wind turbine to generate electricity.
- Design and build a model solar home.
- Develop environmentally friendly materials for cleaning.

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ELIGIBILITY
Students entering 10th, 11th, or 12th grade in the Fall of 2016 are eligible to apply. PLEASE NOTE: Engineering for Sustainability is designated for female students.

COST
The cost of the one-week camp is $1,200. This includes all materials, room, and meals for the week (Sunday afternoon through Friday afternoon). Early Bird (before March 1), UMass Lowell employee and sibling discounts are available. Limited scholarships (full and partial) are available by application.

REGISTRATION
Limited space is available for each camp. Registration opens January 1 and applications will be accepted on a first-come-first-served basis. A non-refundable, $50 application fee applies.

CONTACT
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Engineering Summer Camps
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REGISTER NOW!
WWW.UML.EDU/FUTUREENGINEERSCAMP

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