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Teen Girls Explore Engineering at Annual UD Camp

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UNIVERSITY of



DAYTON

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Contact: Pam Huber
huber@udayton.edu

NEWS TIPS

JULY 10-14: TEEN GIRLS EXPLORE ENGINEERING AT ANNUAL UD CAMP

About 67 girls from high schools across the country are meeting at the University of Dayton this week to explore the various fields of engineering with an eye toward majoring in the subject in college and boosting the numbers of woman in the male-dominated profession.

UD continues to outpace other colleges in the number of women pursuing careers in engineering. For example, in 1997-98, UD awarded 22 percent of its total engineering degrees to women — compared to a national average of 18 percent.

During the weeklong residential camp, girls will take part in hands-on demonstrations of various engineering tasks, from designing towers to making drinking water. They will have dinner with local engineers from 6:30 to 8:30 p.m. Wednesday, July 12, in the Kennedy Union Ballroom on campus. On Thursday, July 13, students will observe engineers on the job to learn about career rewards and demands.

Highlights of the week include:

Balsa wood towers — Students will design and construct balsa wood towers and then test their structures by adding weights until the towers crumble. The session will be offered:

Tuesday, July 11, 8:30-11:30 a.m. and again 1-4 p.m., Kettering Lab Room 151

Wednesday, July 12, 8:30-11:30 a.m. and again 1-4 p.m., Kettering Lab Room 151

Shattering crystal — Students will use sound waves to shatter lead crystal goblets, a propane torch and balloons will be used to demonstrate the heat resistance of space shuttle tiles and they will measure the diameter of hair using laser diffraction. The sessions will be held:

Tuesday, July 11, 8:30-11:30 a.m. and again 1-4 p.m., Kettering Lab Room 382

Wednesday, July 12, 8:30-11:30 a.m. and again 1-4 p.m., Kettering Lab Room 382

Food processes — Students will use a spray dryer to make powdered coffee and milk from liquid, a reverse osmosis process to make drinking water from seawater and a distillation column to separate vegetable oil from shortening. The session will be offered:

Wednesday, July 12, 8:30-11:30 a.m. and again 1-4 p.m., Wohlleben Hall Room 114

Cleaning polluted water — Students will choose material for filters to remove pollutants from water and then test their choices. The session will be offered:

Wednesday, July 12, 8:30-11:30 a.m. and again 1-4 p.m., Kettering Lab Room 431

For more information on UD's Women in Engineering program, call **Karen Updyke** at (937) 229-3296.

OFFICE OF PUBLIC RELATIONS
300 College Park Dayton, Ohio 45469-1679
(937) 229-3241 (937) 229-3063 Fax
www.udayton.edu