

2015 WOMEN IN ENGINEERING SUMMER CAMP SCHEDULE – FROM 2015 – EXAMPLE FOR 2016

****=BRING YOUR CAMPER PACKET**

	SUNDAY, JULY 12	MONDAY, JULY 13	TUESDAY, JULY 14	WEDNESDAY, JULY 15	THURSDAY, JULY 16	FRIDAY, JULY 17
7-8:55 AM		8-8:40 am**Breakfast Kennedy Union Food Court 8:45 am-Roll Call Kennedy Union Food Court	8-8:40 am**Breakfast Kennedy Union Food Court 8:45 am-Roll Call Kennedy Union Food Court	8-8:40 am**Breakfast Kennedy Union Food Court 8:45 am-Roll Call Kennedy Union Food Court	7-8:45 am-Breakfast Kennedy Union Food Court Day with Industry Departures between 7:30-9 am	7:30-9 am-Move-Out (Must be out of room and checked out by 9 am)
9 AM-11:55 AM		Experiments in Engineering A. Elec/Comp-KL-231/271/232 B. Mechanical-KL-303 C. Technology-KL-352 D. ETHOS-KL-195	Experiments in Engineering A. Chemical-SC-173 B. Civil-KL-272/191/132 C. Elec/Comp-KL-231/271/232 D. Mechanical-KL-303	Experiments in Engineering A. Technology-KL-352 B. ETHOS-KL-195 C. Chemical-SC-173 D. Civil-KL-272/191/132		9:15 am Counselors, Campers and Families to KU Ballroom 9:30-11:30 am Graduation Breakfast Kennedy Union Ballroom 11:30 am Official end of camp – ALL campers MUST depart from camp/UD campus
NOON-12:55 PM		Noon-12:40 pm-LUNCH Kennedy Union Food Court 12:45 pm-Roll Call Kennedy Union Food Court	Noon-12:40 pm-LUNCH Kennedy Union Food Court 12:45 pm-Roll Call Kennedy Union Food Court	Noon-12:40 pm-LUNCH Kennedy Union Food Court 12:45 pm-Roll Call Kennedy Union Food Court		
1-3:55 PM	3-4 pm-Registration Marianist Hall	Experiments in Engineering A. ETHOS-KL-195 B. Elec/Comp-KL-231/271/232 C. Mechanical-KL-303 D. Technology-KL-352	Experiments in Engineering A. Mechanical-KL-303 B. Chemical-SC-173 C. Civil-KL-272/191/132 D. Elec/Comp-KL-231/271/232	Experiments in Engineering A. Civil-KL-272/191/132 B. Technology-KL-352 C. ETHOS-KL-195 D. Chemical-SC-173		*Move-out from rooms must be completed BEFORE the graduation breakfast. Only campers with no guests attending the breakfast may store luggage in their counselor's room until after the breakfast.
4-6 PM	4:15 pm Counselors, Campers and Families to Kennedy Union Ballroom 4:30-6:30 pm Welcome Banquet Kennedy Union Ballroom Keynote Speaker Connie Buynacek Director Advanced Manufacturing Moog Inc.	4-6 pm – Free Time Optional Activities Bookstore open until 5:30 pm RecPlex	4-5:30 pm - Free Time Optional Activities Bookstore open until 5:30 pm RecPlex 5:45-7:20 pm **MEP/WEP Dinner & Discussions Kennedy Union Food Court Small Groups	4-5:25 pm Get ready for DWE 5:30 pm-Roll Call Marianist Hall 6-8 pm Dinner with an Engineer Kennedy Union Ballroom	4-6 pm - Free Time Optional Activities RecPlex (2-6 pm)	IF you are interested in a formal campus tour and information session about UD after camp has ended, please call the Office of Admission at 1-800-837-7433 to schedule
6:05-7 PM	6:30-7 pm Camp Orientation Kennedy Union Ballroom Annette Packard 7-8 pm-Marianist Hall Individual Group Icebreakers and Activities	6:15-6:45 pm-DINNER Kennedy Union Food Court INNOVATION MODULES 7-9:30 pm Biomechanics-KL-445 7:30-9:30 pm Aerospace-KL-204 Artificial Intelligence-KL-461 Medical Device-KL-124/128	7:20 pm-Roll Call Kennedy Union Food Court INNOVATION MODULES 7-9:30 pm Biomechanics-KL-445 7:30-9:30 pm Aerospace-KL-204 Artificial Intelligence-KL-461 Medical Device-KL-124/128		6:15-7 pm-DINNER Kennedy Union Food Court 6:30-7:30 pm Ritter's Frozen Custard Sundae Bar Kettering Labs Lobby	Bookstore is open on Friday from 8:30 am-4:30 pm
7:05-8:55 PM	8:15 pm-Marianist Hall Camp Icebreakers and Activities				7:30-9:30 pm Optional Activities Final Camp Meeting/ Camp Wrap-up Final group meetings with counselor	
9 PM-MIDNIGHT	9-9:30 pm Counselors Meeting 9:45-10:15 pm **Groups meet w/counselor MIDNIGHT-LIGHTS OUT!!!	9:45-10:15 pm Counselors Meeting 10:30-11 pm **Groups meet w/counselor MIDNIGHT-LIGHTS OUT!!!	9:45-10:15 pm Counselors Meeting 10:30-11 pm **Groups meet w/counselor MIDNIGHT-LIGHTS OUT!!!	8:30-9 pm Counselors Meeting 9:15-9:45 pm **Groups meet w/counselor MIDNIGHT-LIGHTS OUT!!!		

**CAMPER PACKET – Plastic sleeve handed out to you at camp registration for you to keep camp papers/handouts, etc. inside.

EXPERIMENTS IN ENGINEERING – DESCRIPTIONS AND DRESS CODES

Department	Experiment Name	Dress Code
Chemical and Materials Engineering	Frontiers in Chemical Engineering - In this session students will be introduced to both the fundamentals of chemical engineering and how this diverse field can extend into the area of nanotechnology. Within this session, students will engage in multiple, hands-on modules to discover current research in chemical engineering. Two traditional experiments will be incorporated: injection molding of plastics and design/synthesis of bath salts. An introduction to the fields of nanotechnology will also be provided to the students with experimental modules exploring the specific physicochemical properties of nanomaterials and current methodologies of nano-based biological sensors.	Closed-toe shoes and long pants. No tank tops but short sleeves are okay.
Civil and Environmental Engineering	Bridge Design	No dress code requirements.
Electrical and Computer Engineering	Robots, Sensors and Programming Language - This year's summer camp will consist of two major activities (1) Students will build and program Lego based NXT robots. They will be required to mount and make use of the various stock and custom sensors such that the robots perform a defined task (i.e., track a line, avoid obstacle, etc.). This portion of the program will consume approximately 1.45 hours. (2) In the second activity (for about an hour), they will program the newly released Altera DE2 processor. (3) Finally, for the remaining 15 mins or so, participants will get a chance to tour the Yaskawa-Motoman/UD robotics lab.	No dress code requirements.
Mechanical and Aerospace Engineering	Machine Design – Design and build your own functioning mechanism.	No dress code requirements.
ETHOS (Engineers in Technical Humanitarian Opportunities of Service Learning)	Solar Cooking - Everyday millions of women and children in the developing world suffer from respiratory disease as a consequence of simply cooking food for the family. Indoor air pollution from traditional methods of cooking over a wood burning fire is the cause. The answer - combustion science! The real solution - converting scientific theory into engineering practice using TLUD stoves.	Jeans or long pants.
Engineering Technology	Circuit Design and Build - Participants will learn about production of a product through construction of a speaker-amplifier system. This session will demonstrate the product development cycle including conceptualization, design, prototype, test, and evaluation of the product.	Closed-toe shoes. Crew neck shirts (i.e., t-shirts are okay, but no tank tops.

INNOVATION MODULES – DRESS CODES (descriptions were provided in your final camp registration packet)

Aerospace Design, Build and Test = Closed-toe shoes.

Artificial Intelligence and Brain Machine Interface = No dress code requirements.

Biomechanics and Balance = No dress code requirements.

Medical Device Innovation = No dress code requirements.