

Explore Engineering Additional Information

* Unless otherwise noted, all tours will last 25-30 minutes

Aerospace Engineering Open House

Talbot Lab, lower level

104 S. Wright Street

Urbana, IL 61801

3:00p – 5:00p

Join Aerospace Engineering for a Student Organization Open House. See what exciting things the students of AE are accomplishing both in and out of the classroom.

Beckman Institute Tour

405 N. Mathews Avenue

Urbana, IL 61801

Tours offered at 2:00p and 3:00p

The Beckman Institute for Advanced Science and Technology relies on a multidisciplinary approach to research and discovery. Researchers cross traditional academic boundaries, working together to pursue innovation in medicine, imaging, materials, and modeling. As part of this tour you will visit spaces that are critical to furthering this groundbreaking research, including the Microscopy Suite, Vis Lab (3D scanning and photo studio), and Biomedical Imaging Center (home of two full-bodied magnetic resonance imaging (MRI) machines).

Center for Plasma-Material Interactions and HIDRA Tour

Nuclear Radiation Laboratory

201 S. Goodwin Avenue

Urbana, IL 61801

Tour offered at 2:30p

The Nuclear Radiation Laboratory is home to the Center for Plasma-Material Interactions (CPMI) and the Hybrid Illinois Device for Research and Applications (HIDRA). CPMI projects explore plasma-material interactions relevant to fusion, semiconductors, and plasma manufacturing, with the ultimate goal of furthering the application and knowledge of plasma physics. HIDRA, a special device that will be at the forefront of studying plasma material interactions and developing the technology needed for innovative plasma facing components that will make fusion a viable energy source of the future.

Electrical and Computer Engineering Building Tour

306 N. Wright Street

Urbana, IL 61801

Tours offered at 2:30p and 3:30p

The Electrical and Computer Engineering (ECE) Building was dedicated on October 10, 2014 and has designs to be one of the largest net-zero energy buildings of its kind in the country. It employs several features to meet this criteria, including solar power, strategic construction and design, deliberate use of air displacement, and occupancy sensors. With a new building and state-of-the-art lab spaces, ECE ILLINOIS continues its tradition of hands-on learning, especially on cutting-edge topics like nanofabrication, optics, control, and robotics.

Everitt Lab Tour

1406 W. Green Street

Champaign, IL 61821

Tours offered at 2:00p, 2:30p, 3:00p, and 3:30p

Limited to 10 guests per tour

Celebrate the College of Engineering's growth and be among the first guests to step foot in the still under construction Everitt Lab, future home of the Department of Bioengineering and partner to the Carle Illinois College of Medicine. As part of this tour, you will visit several classroom and lab spaces, in addition to the Jump Simulation Center, where future students will merge engineering and medicine to explore technology-driven clinical environments.

As Everitt Lab is currently a construction site, participation in this tour requires closed-toe shoes, along with a hard hat and high-visibility vest (hat and vest will be provided). You will also be required to sign a waiver, which will be provided by email prior to the event.

Innovation, Discovery, DDesign & DAta Laboratory (IDEA Lab)

Grainger Engineering Library

1301 W. Springfield Avenue

Urbana, IL 61801

Tour offered at 2:00p

** Tour could last up to 45 minutes*

The IDEA Lab provides space and technology for faculty/student collaboration, collaboration, innovation, and entrepreneurship. It functions as a demonstration and prototype site for exploring the interface between design learning, informatics, visualization, and data analytics. This tour will explore several features that are used to pursue these goals, including a 3D printing room, a large multi-paneled monitor visualization wall, and a virtual reality room.

Industrial and Enterprise Systems Engineering Open House

Transportation Building

104 S. Mathews Avenue

Urbana, IL 61801

2:00p – 4:00p

Join Industrial and Enterprise Systems Engineering students, faculty, and staff to explore all of the exciting activities happening with ISE. In addition to the Open House, students and staff will be standing by to offer tours of the facility.

Micro and Nanotechnology Lab (MNTL) Tour

208 N. Wright Street

Urbana, IL 61801

Tour offered at 3:00p

MNTL is one of the country's largest and most sophisticated university facilities for conducting photonics, microelectronics, biotechnology, and nanotechnology research. Spaces you might see in your tour include cleanrooms, general purpose labs, and a 2,5000 square foot biosafety level-2 bionanotechnology complex. Using these spaces, faculty and students pursue research that addresses many of the most pressing challenges facing our society, including high-speed data communications, high efficiency lighting, biomedical imaging and diagnostics, and environmental monitoring.

Physics Technology Demonstration: i>clickers and IOLab Device

Loomis Lab

1110 W. Green Street

Urbana, IL 61801

Demonstration offered at 3:30p

Limited to 24 guests

** Demonstration could last up to 1 hour*

Join the Department of Physics and explore the intersection of technology and physics education. The iClicker and IOLab Device were both invented in the Physics department, and are used nationally to engage students in education. The iClicker gives every student a voice, allowing real-time student responses even in a large lecture situation. The IOLab Wireless Lab System has built in sensors to measure force, acceleration, velocity, displacement, and several other processes. See these tools in action as part of the Physics Technology Demonstration.