Welcome to the Department of Electrical and Computer Engineering at Carnegie Mellon University. This walking tour will guide you through the first floor of Hamerschlag Hall.

During the fall and spring semesters, ECE student tour guides provide brief tours for prospective undergraduate students followed by a Q&A session. Tour times change every semester depending on the availability of the student tour guides. Advance registration is required to be guaranteed a tour.

Visit www.ece.cmu.edu to view current tour dates and times and to register for a tour. The current tour schedule can also be viewed on the Student Organizations & Activities digital display board in the 1100 corridor of Hamerschlag Hall.

History of Hamerschlag Hall

Named after Arthur A. Hamerschlag, the first President of Carnegie Mellon University, Hamerschlag Hall is home to the Department of Electrical and Computer Engineering. Built in 1906, this historic landmark is one of the most recognized buildings on campus.

Originally named Machinery Hall, this structure was designed to house workshops and a boiler room. The building is faced with cream-colored Kittanning brick, a popular material associated with industrial buildings.

An interesting aspect of Hamerschlag Hall is the rotunda, which is actually a cleverly disguised smokestack. When the campus was first established, it was too far from downtown Pittsburgh to hook up to their power grid, so it had to fuel the campus.

It was a requirement that all freshmen had to shovel two weeks worth of coal in order to graduate. In an interesting twist of fate, these dirty coal rooms turned into 97%-99% dust and particle free cleanrooms, where we manufacture a lot of our computing hardware and computer chips.

Today, Hamerschlag Hall's new state of the art extensive green roof system serves to reduce rainwater runoff, conserve energy, and protect the building from UV rays.
Hamerschlag Hall, First Floor

**1106: Department Head's Office**
Jelena Kovačević is the first female Department Head of Electrical and Computer Engineering. She is also a professor of electrical and computer engineering and biomedical engineering.

**1107: Distance Education Learning Center**
This smart classroom is set up with distance education technology allowing students and faculty to easily connect with our academic programs in Silicon Valley, Portugal, Rwanda, China, and Singapore.

**1110: Finance & Sponsored Research**
This office manages the department's finances, research proposals, and student payroll.

**1112: Academic Services Center**
This office coordinates course scheduling, waitlists, and the undergraduate labs.

**1113: Graduate Affairs & Associate Department Head for Academic Affairs**
Managing both graduate admissions and academic advising, this office also houses the Associate Department Head for Academic Affairs.

**1114: Student & Academic Affairs**
This office oversees the Academic Services Center, Undergraduate Advising, and Student Relations.

**1116: Undergraduate Advising**
Undergraduate ECE students come here to discuss issues, plans, or goals related to their course plan.

**1117: Associate Department Head for Research & Strategic Initiatives**
Develops and implements a strategy for entrepreneurship and innovation for the department.

**1118: Director of Operations**
Oversees the operations of the department, including new staff, postdocs, and research assistants.

**1302: Student Organizations & Activities Advisor**
Provides leadership and guidance on all matters involving ECE student relations, organizations, and activities.

**1300 Wing**
ECE students receive 24-hour access to this wing allowing them to work in the labs and study in the alcoves or student lounge any time.

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**Undergraduate Labs**

**1303**
This all-purpose lab allows students to work on independent or academic projects throughout the academic year. It also hosts ECE Outreach programs and Build18, the annual freestyle tinkering festival run by students. Each lab bench has basic test equipment: an oscilloscope, function generator, power supply and multimeter, and a desktop computer with 75+ computer programs so students can work on hardware-based projects.

**1305**
This lab serves as home to the Structure and Design of Digital Systems course, as well as a distance-learning facility for courses with Silicon Valley. When classes are not in session, the lab is used as a computer cluster.

**1307**
All undergraduate ECE students work from this lab during the required Capstone Design course. Student groups get their own personal lab bench outfitted with the latest in digital test equipment, new touch screen oscilloscopes with built-in logic analyzers, and power supplies with variable wattage and amperage.

*Please note:* This map only highlights the portion of Hamerschlag Hall that is visited during the prospective undergraduate tour. Additional floors of Hamerschlag Hall are typically used by graduate ECE students.