SELF-GUIDED TOUR
West End District

Begin your tour on the Ground Level (Level G) of the:

Engineering and Computer Science Center

**LEVEL G**

- **Magnuson Center for Entrepreneurship (E001) & Digital Applied Learning and Innovation (DALI) Lab (E002)**
  - Supports students, faculty and alumni on the path to entrepreneurship with education and experiences, start-up funding, and networking support. House within Magnuson, DALI Lab helps students design and build mobile applications, websites, virtual and augmented reality, digital installations, and more.

- **Harold Edward Cable Makerspace (E003)**
  - Where students can take an idea and leverage tools and technology for the design-and-build process.

- **HealthX Lab (E004, E020)**
  - Research on implantable and wearable devices to advance our understanding of people, behaviors, health, and security.

- **Stuart Family Design Suite (E006–E042)**
  - Serving as headquarters for the Design Initiative at Dartmouth, this wing houses a design research lab (E006), the Design Loft (E007), a tech-enabled active learning classroom (E008), and a design teaching classroom (E042).

  **Head back to the atrium and go down the central staircase to:**

**LEVEL B**

- **Couch Project Lab II and Studio Classroom (B008–B009)**
  - Spaces designed for project-centered and team-based learning. Features work benches on wheels for countless configurations. Students may store and access projects 24/7.

- **Materials Lab (B034) and Electron Microscope Center (B022–B032)**
  - Research in both energy and biomedicine including solar cells and wind and water turbines, scaffolds, grafts and artificial joints. The Electron Microscope Center supports research in materials science, chemistry, biological sciences, and medicine. Specially designed to be free from vibration and electromagnetic interference, the Center provides a suite of imaging instruments as well as training and support for students and faculty from across the institution.

**LEVEL 1**

- **Biotechnology Labs (E135; E143)**
  - Where biological and chemical engineering faculty collaborate on a wide range of research from bio-inspired systems to cancer therapeutics and vaccine design.

  **Go across the atrium to:**

- **Robotics & Theory Labs (E114)**
  - Research at the intersection of computing and physical reality, including robotics, 3D fabrication, sensing, and augmented reality. Theory Lab topics include approximation and randomized algorithms, optimization, computational geometry and topology, algorithms for big data, distributed algorithms, and communication protocols.

- **TEAL Classroom (E116)**
  - The 80-seat Technology-Enhanced Active Learning (TEAL) Classroom features smart technology and flexible room configurations, and is ideal for the “flipped classroom” approach and other active learning strategies that optimize the in-class experience.

  **Go up one flight to:**

**LEVEL 2**

- **Lord Energy Technology Lab (E233)**
  - Both wet and dry labs for research in renewable energy including The Lynd Lab engaged in a range of activities unified by the goal of cost-effective production of cellulosic biofuels that benefit people and the environment.

- **Security & Trust Lab (E214)**
  - Research on building trustworthy systems and topics ranging from hardware and operating systems to machine learning, ethnography and human behavior, in application domains including finance, healthcare, and energy.

- **Visual Computation & Machine Learning Lab (E206)**
  - Developing models to imitate and enhance intelligent human behavior, learning from various data sources and domains, including music, text, images, and networks.

  **Go across the Opus Foundation Bridge to:**

**MacLean Engineering Sciences Center (ESC)**

**SECOND FLOOR**

- **Rett’s Room (M201)**
  - A flexible, interactive classroom with a rooftop deck for study breaks and gatherings.

- **Computer Classroom (M210)**
  - For both presentations and workstations preloaded with engineering application software such as SolidWorks, Cadence, and MATLAB. (Available to students 24/7, except when scheduled for course workshops.)

- **LIINES (M232)**
  - The Laboratory for Intelligent Integrated Networks of Engineering Systems (LIINES) devoted to sustainability and resilience in intelligent multienergy engineering systems. Supports energy, water, transportation & industrial policy objectives.

  **Take stairs past M232 down one flight to:**
Murdough Center

Murdough Center provides facilities for both Thayer School of Engineering and Tuck School of Business, including the Master of Engineering Management (MEM) Program, Feldberg Business & Engineering Library, and the 358-seat Cook Auditorium.

Murdough is attached and looks directly onto:

Arthur L. Irving Institute for Energy and Society

Established to help prepare future generations of energy leaders, the Institute is situated between Thayer School of Engineering and Tuck School of Business, creating a point of convergence for faculty and students engaged in issues related to energy and society. The building is home to research labs led by engineering faculty focused on technology and systems for climate change mitigation and adaptation, as well as Tuck’s Revers Center for Energy, Sustainability, and Innovation, and Dartmouth’s Sustainability Office.

Adjacent to the Irving Institute is:

Tuck School of Business

Dartmouth’s top-ranked business school offers expertise in management, entrepreneurship, and technology transfer. Designed for intellectual and personal growth, Tuck’s interconnected buildings provide an integrated living-and-learning environment. Tuck facilities include Byrne Hall — the heart of dining services in the West End, Byrne includes a servery, grab-and-go soups, salads and sandwiches, Pepsico Dining Hall, and specialty coffee shop.