

# Engineering Across Campus

*In addition to the Driftmier Engineering Center, College of Engineering students and faculty have access to next-generation facilities across the University of Georgia campus.*

**PLEASE NOTE THESE FACILITIES ARE NOT ACCESSIBLE DURING SELF-GUIDED TOURS.**

### Experiential Laboratories

Adjacent to the Driftmier Engineering Center, the **Design and Discovery Lab**, **Student Fabrication Center**, **Design Workshop**, and **Digital Prototyping Lab**, and the **Fabrication Shop** provide students the space and tools necessary to complete successively more complex projects – from design all the way to prototyping, fabrication, and testing.

### Interdisciplinary Science, Technology, Engineering and Math Research Complex

The 100,000-square-foot I-STEM Research Building 1 opened in 2021 and features flexible, open lab spaces designed to promote collaboration and elevate UGA’s expanding lab-intensive research activities, particularly within the disciplines of chemistry, engineering and material sciences. It will soon be united with a phase 2 building, which is currently under construction.

### STRENGTH Laboratory

The Structural Engineering Testing Hub is equipped to perform state-of-the-art research and testing in the areas of concrete, steel, timber, and advanced materials. In addition, the lab provides fundamental instructional capabilities for civil engineering students.

### Boyd Research and Education Center

The Boyd Research and Education Center houses research laboratories for the College of Engineering’s School of Electrical and Computer Engineering and its School of Environmental, Civil, Agricultural and Mechanical Engineering. Research at Boyd ranges from robotics, virtual reality, and sensor networks to blue and green engineering and computational drug discovery.

### Riverbend Research Laboratories

The Riverbend Research Laboratories house research facilities for the College of Engineering’s School of Chemical, Materials, and Biomedical Engineering, where teams are working on biocompatible medical devices, alternatives to plastics, and more.



# SELF-GUIDED TOUR

## Driftmier Engineering Center

### Virtual Tour

Follow the QR code below for a video tour of the Driftmier Engineering Center led by our students.



### Connect with us!

Interested in connecting with a current UGA College of Engineering student? Contact information is available for our Student Ambassadors using the QR code below:



College of Engineering  
UNIVERSITY OF GEORGIA



College of Engineering  
UNIVERSITY OF GEORGIA

# DRIFTMIER ENGINEERING CENTER SELF-GUIDED TOUR

-  COLLABORATIVE AREAS
-  INSTRUCTIONAL LABS
-  CLASSROOMS
-  FACULTY OFFICES
-  STAFF OFFICES

## 1 Driftmier Engineering Center

The Driftmier Engineering Center opened in 1966 and serves as the primary instructional facility for the College of Engineering. With the tremendous growth of the college, an investment of over \$25 million provides students with a state-of-the-art facility. The first floor includes classrooms, experiential labs, collaborative areas and other spaces for the college’s more than 2,600 students.

## 2 Professional Development Center

The Professional Development Center provides a dedicated space for students to connect with employers and industry partners. Events such as Employers of the Day, Information Sessions, Lunch & Learns and other activities provide students an opportunity to learn about internships, co-ops, and career opportunities.

## 3 Interview/Study Rooms

The interview/study rooms are spaces where companies can interview students on campus. In addition, students can use these spaces for Zoom interviews and faculty can use the rooms for tutoring sessions with students.

## 4 Agile Project Suites

Two Agile Project Suites showcase cutting-edge engineering education research conducted by collaborative teams in the Engineering Education Transformations Institute. Projects range from technology-enabled learning and discovery to promoting diversity, equity, and inclusion in engineering.

## 5 Student Organization Hub

This area provides the College of Engineering’s student organizations with dedicated space for executive board meetings, small group meetings with employers, video conferencing, and collaborative planning meetings.

## 6 Office of Student Success

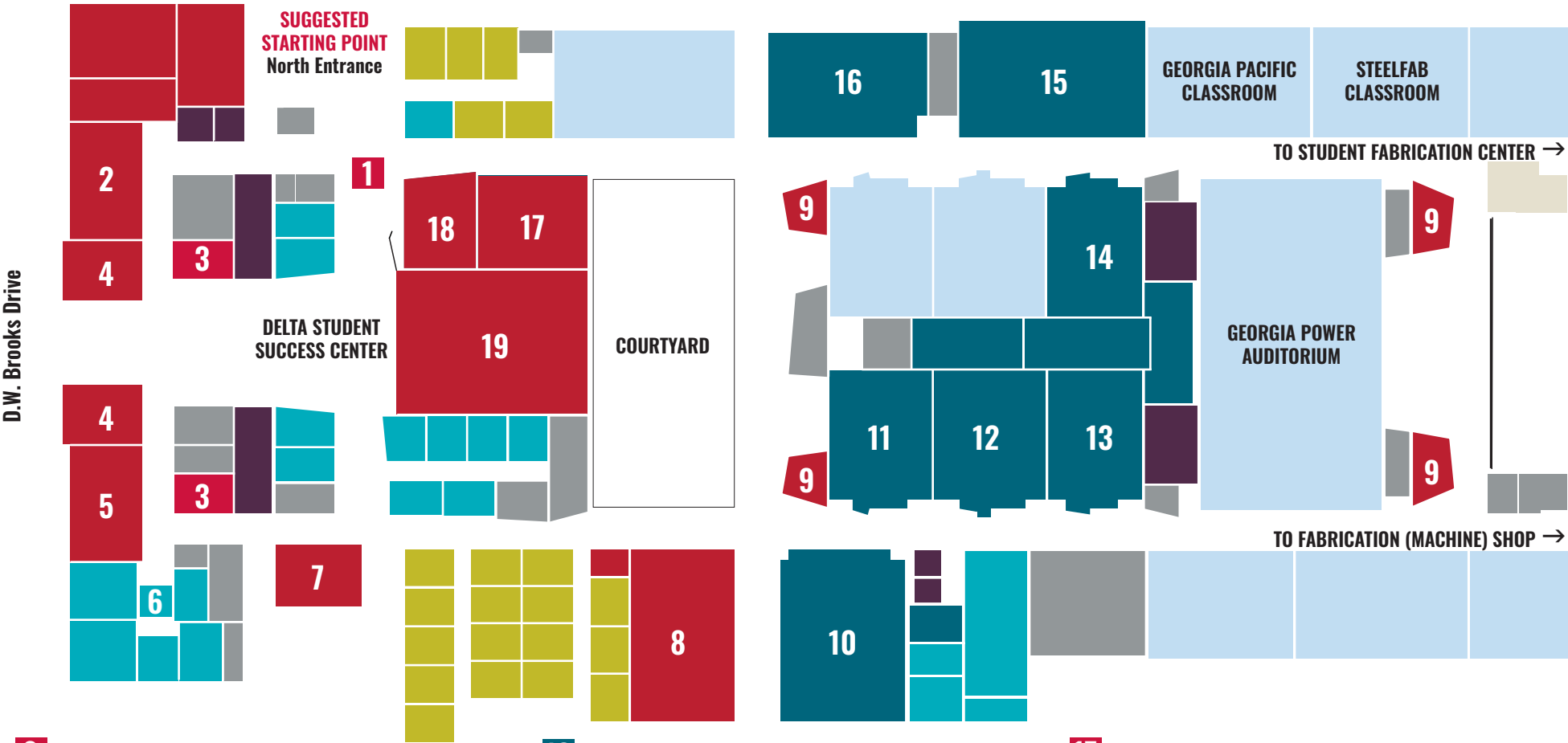
The Office of Student Success coordinates and provides support for the Student Ambassadors program, the Equity Engineers Council, student organizations, experiential learning opportunities, Summer Academy Camps, student recruitment efforts, and more.

## 7 24/7 Computer Lab

Our computer labs provide students with access to a variety of engineering-specific software. Engineering students have 24/7 access to our facilities with their UGA ID card.

## 8 Large Tutoring Lab

This lab provides space dedicated to engineering-specific tutoring for both small and large groups. The College partners with UGA’s Division of Academic Enhancement to provide this free service.



## 9 Huddle Rooms

Huddle rooms promote a supportive environment and encourage collaboration for small groups of students.

## 10 Design and Discovery Laboratory

Used by capstone design teams and undergraduate researchers to explore and discover, the lab is outfitted with fume hoods, 3D printers, and ample tabletop space for prototyping.

## 11 Process Automation Laboratory

This lab is used by students to design and test automation, including systems for robots, conveyors, drones, and fabrication.

## 12 Measurement Systems Laboratory

In the Measurement Systems Lab, students work with optical tables, lasers/fiber optics, advanced microscopy, and electronics.

## 13 Biochemical Processes Laboratory

This lab is dedicated to chemical preparation and the use of chemical reactors and process equipment.

## 14 Environmental and Biological Systems Laboratory

This wet lab is used to perform water-quality testing, biological reactions, fermentations, and animal cell cultures.

## 15 Mechanical, Thermal and Fluids Systems Laboratory

This lab is used to demonstrate, test, and analyze thermal and fluid properties in engineering. The lab takes advantage of an open channel, a wind tunnel, and other experimentation equipment.

## 16 Materials Testing and Heat Transfer Laboratory

Students use this lab to test and analyze the physical properties of common civil, mechanical, and biological engineering materials. The lab is equipped to conduct such tests as tension, compression, torsion, fatigue, and bending.

## 17 Learning Design Simulation Laboratory

The collaborative hub of the Engineering Education Transformations Institute, this space hosts a comprehensive range of professional development programming that enables engineering faculty to continuously innovate and enhance the educational experiences of our students.

## 18 Smart Room

The Smart Room is a state-of-the-art remote collaboration space used to facilitate engineering education research teams that span the country and globe. In addition, this space hosts fundamental research, development, and prototyping work to prepare engineering students to work in the global, digitally connected workplace of the future.

## 19 Engineering Development and Leadership Center

This facility hosts large group meetings including seminars, training, and professional development sessions.