



# G. Wayne Clough

## Undergraduate Learning Commons



### Clough Commons is Innovative

- State of-the-art classrooms to allow for group collaboration and multi-modal learning
- 24/7 presentation rehearsal studios
- A highly visible location for students to discover undergraduate research opportunities
- First year labs for Biology, Physics, Chemistry, and Earth and Atmospheric Sciences
- A space and a culture that encourages discovery and cross-disciplinary interaction

### Clough Commons is Spacious

- 2,100 “commons” seats and reservable group study rooms – all for student use 24/7
- Full-size mobile whiteboards
- 30 exhibits spaces, including a gallery

### Clough Commons is Supportive

- Centralized tutoring, advising and academic support
- Writing and communications support at the CommLab
- Computer and technology support from the Office of Information Technology

### Clough Commons is Green

- Roof garden
- Solar array providing a renewable energy source
- 1.4 million gallon cistern for water harvesting
- A waste minimization and recycling program

### Clough Commons is Central

- Located in the heart of Georgia Tech’s campus
- Integrated with and connected to the Library
- Open to students, staff and faculty 24/7
- Reservable group study rooms
- Starbucks café

### Fast Facts:

220,000 sq. ft.- 2,100 total seats

41 classrooms

Two 300-plus seat auditoria 1W

Group study rooms

Presentation rehearsal studios

Open 24/7 year round

Information Desk 2

Physics 3E, Chemistry 5E, Biology 4E, and EAS Labs 3E

Communications and writing center at the CommLab 4W

Center for Enhancement of Teaching and Learning 4W

Centralized tutoring and academic support 2E

Centralized academic advising, Undergraduate Studies 2E

24/7 technology support 2E

Starbucks café 2



## Sustainability at Clough Commons



### Water Efficiency

Water harvested from a 1.4 million gallon cistern, one of the largest in the U.S., is reused for toilet flushing and water efficient landscaping.

### Innovation in Design

An interactive sustainability dashboard displays water and energy usage in real time.

### Materials and Resources

Construction materials were transported from a 500-mile radius to minimize fossil fuel consumption. Additionally, materials were managed sustainably through on-site recycling, which diverted 75% of construction by-products from a landfill.

### Sustainable Sites

The building is oriented to maximize the control of daylight. Open green space is maximized with Tech Green. The green roof minimizes and filters stormwater runoff, as well as reduces the “heat island effect.” A changing room and bike storage are available to staff to reduce automobile usage.

### Energy and Atmosphere

Rooftop solar panels provide on-site renewable energy. The mechanical system uses refrigerants with low ozone depleting potential and low global warming potential. A combination of smart lighting techniques is used, including daylight harvesting and motion sensors.

### Indoor Environmental Quality

A healthy indoor environment is created through dynamic Carbon Dioxide monitoring and the delivery of outdoor air. Low-emitting materials minimize harmful volatile organic compound exposure from adhesives, sealants, carpets, paints and coatings.

### Fast Facts:

Green roof garden

Landscape paving design reduces island heat effect

Smart lighting systems

1.4 million gallon cistern

89% projected water reuse

Interactive sustainability dashboard

Solar array

Radiant floor heating systems

Fully enhanced measurement and verification program

Locally sourced materials

Day-lit spaces

39 species of native plants used for landscaping

Rooftop design maximizes water collection

360 photovoltaic panels produced by Suniva

30 solar thermal panels