

Computing

Providing technology and consulting services to support classroom teaching, laboratories, and other aspects of the academic and research programs is a strategic priority for Lehigh University. Over 570 LTS-supported Macs and Windows devices are distributed across campus in over 35 computing sites and 100 classrooms.

Students and faculty have access to site-licensed software applications and central and cloud-based file storage from on and off campus. LTS provides software at public computing sites for general word processing and spreadsheets, mathematical and statistical packages, and specialized applications for scientific and engineering work. Generative AI tools are also among the software resources available to the campus community, supporting research, teaching, and creative exploration. Over 60 software titles are also available in a virtual environment through the LUapps service.

Lehigh provides access to two high performance computing clusters for large scale scientific computing and a Ceph-based data storage cluster. These provide more than 7,000 computing cores with 50TB total memory, more than 200 GPU devices, and two petabytes raw storage available to tackle the most complex and demanding research projects. For more information, see Research Computing (<https://lts.lehigh.edu/research-teaching-learning/research-computing/>). University computing capacity and Internet bandwidth are continuously being increased to meet escalating demand.

The Center for Innovation in Teaching and Learning supports faculty innovation -- see the Faculty Development section of this catalog for details. Library and Technology Services provides technical support for the many computer classrooms, suitable for individual hands-on instruction. Most Lehigh University classrooms are equipped with permanently-installed computer projection systems. Equipment is available through the Digital Media Lab to enable faculty or students to give computer-based presentations in any space.

Lehigh deploys more than 4,200 Wireless Access Points throughout campus, including student housing, to provide the best wireless experience for teaching and learning, and social activities. In addition, the campus is connected to 3 regional diversified 10Gbps Internet Service Providers (ISPs) for performance and redundancy.