Bloustein School Technical Environment

Infrastructure

The Edward J. Bloustein School has a modern computing infrastructure that includes:

- Workstation class computers that facilitate advanced data processing and analytics and utilize advanced software for statistical work and geoprocessing
- A high speed data network that includes a 10Gb collapsed backbone and 1Gb connectivity to workstations to facilitate the expeditious transmission of large data sets to and from the facility
- Enhanced security that includes layered defense, strong endpoint protection, and a state of the art firewall that shields the environment, while providing secure remote access
- A high speed Wireless network that provides robust connectivity for all classrooms and conference rooms
- A robust backend that includes numerous physical and virtual servers providing services such as file, print, web, geoprocessing, room management, digital signage management, database applications, and a customized learning management system.

Computer Labs

The Edward J. Bloustein School maintains state-of-the-art computer labs that are used for both instruction and research. The school's computing facilities include a main instructional computer lab with an adjoining general access lab, a smaller "information gateway" for student research, and two dedicated studio classrooms. Students also have access to two collaborative workstations designed for group based projects and one dedicated project room that was designed for group based work. The workstations used in these labs are upgraded every two years.

Technical amenities available to students include:

- 88 workstation class computers running the Microsoft Windows 7 (64 bit) operating system
- Over 5TB of on online storage
- A printer / scanner facility that includes 3 scanners and two color laser printers
- 4 networked black and white laser printers
- 2 Hewlett Packard Design Jet Z5200 large format printers
- 1 Contex Large Format Scanner
- 802.11n secure wireless networking (available in all conference rooms and classrooms)
Some of the software packages available to students include:

- Adobe Creative Suite 6 Design Standard
- ArcGIS 10.2
- ArcGIS City Engine
- Atlas ti
- AutoCAD 2014
- Autodesk Ecotect Analysis
- DesignBuilder 3.2
- Eviews 8
- Google Earth Pro
- McTrans Highway Capacity Software
- Microsoft Office 2013
- Nvivo
- Qualtrics Online Survey Software
- R
- Sketch up Pro 2013
- SPSS 21
- STATA version 13

Other Facilities

The facilities in the Civic Square Building, where the Edward J. Bloustein School of Planning and Public Policy resides, provide an ideal site for conducting research, as well as holding conferences and seminars. These facilities include a 154-seat auditorium with advanced audio visual technology for presentations and special events and for recording such events. There is also a 9 screen video wall in the lobby of the building that is used for communication purposes and to display the events going on in the auditorium. There are also a large number of classrooms equipped with advanced audio visual technology, conference rooms that are also equipped with audio visual equipment and smart boards, as well as a recording room dedicated to the creation of distance learning materials and self paced instruction.

Information Technology Services

The Information Technology Services office of the Bloustein School manages the technology within the environment and provides a number of services to the EJB community. Such services include:

- Audience Response System Support (Clickers)
- Adobe Connect Pro Support (web conferencing)
- Carry-in hardware and software services
- Classroom and Conference Room Audio Visual Technology Support
- Consultation and assistance in technology procurement and implementation
- Desktop and laptop computer configuration and deployment
- Development and delivery of training and information sessions
- Distance Learning (eCollege) support and assistance
- File, print, email, and custom application server support and management
- Help desk support for hardware, software, network, and Bloustein School specific information systems
- Instructional and general access lab management
- Lecture Capture Support
- Loaner services
- Network Administration
- Onsite hardware, software, and network services
- Proactive scanning to ensure that sensitive information is protected
- Project management.
- Sakai Faculty Support
- Video services
- Web development
- Web server administration