Developing a Robust Network
Information Resources & Technology has implemented several major infrastructure projects in recent years that have significantly improved the University’s network amid the skyrocketing use of mobile devices and the exponential growth in data-rich content, and we're working to further boost speed and reliability.

One of the most significant improvements underway is the quadrupling of the University’s internet bandwidth, which serves as a major widening of the pipes through which data is transmitted.

We are also replacing and installing new wireless infrastructure in student housing and upgrading network technology for the entire University.

These efforts will translate into faster download speeds, better performance for cloud-based applications and increased response times for students, faculty and staff logged into the University's network.

Adding Internet Bandwidth
A fast, stable network is critical for the University’s operations, so we have taken steps that will dramatically increase network speed and reliability.

Quadrupling Internet Bandwidth

Wireless Upgrades in Student Housing
One of our top priorities is providing a high-speed connection for students who rely on the University's network for everything from research to entertainment.

Boosting Speed, Capacity
We took the first step toward quadrupling internet bandwidth last spring. The University’s network is now fed by a 5 gigabits per second internet connection from NJEDge.net, up from 3 gigabits per second.

The current 5 gigabits per second internet connection is scheduled to be boosted to 12 gigabits per second by September. This additional increase in the University’s internet bandwidth will allow students, faculty and staff to send and receive more information at faster speeds.

**Ensuring Consistent Coverage**

We are also putting multiple backup measures in place to ensure consistent coverage throughout the University. This work includes adding a second internet service provider to keep the University’s network running if one service fails.

We also completed wireless network improvements in the Townhouses during summer 2017.

**More Improvements Planned**

In coordination with Residential Learning and University Housing, we have similar wireless improvements scheduled for the Rowan Boulevard Apartments in 2017-2018.

**Infrastructure Improvements**

We are constantly evaluating and implementing ways to improve network infrastructure throughout the University, whether through large-scale upgrades or more targeted repairs.

**Strengthening the Network’s Core**

Among the behind-the-scenes work we have recently completed is a major six-month project to replace the technology that powers the heart of the University’s network. The upgrade of the University’s core network was designed to maintain around-the-clock connectivity for students, faculty and staff.

By installing the latest version of Cisco equipment and advanced fiber-optic cabling, we outfitted the University’s core network with the equipment needed to support the technological demands of a growing population.

**Creating a Secure Digital Environment**

As the University welcomes more students and community and corporate partnerships, the multiple backup systems and security measures installed on the core network will ensure research projects and entrepreneurial ventures are conducted in a secure, managed environment that is available day or night.