



## Cost-Effective Operations

### Manage, Control, and Reduce Costs

Delivering quick and cost-effective wireless broadband access to anywhere on campus extends learning beyond the classroom and improves campus operations, collaboration, and productivity.

That's why Cisco introduced the Administration and Operations Mobility Solutions for higher education. These solutions are the wireless foundation that supports secure, easy, network access to voice, video, and data applications for students, administrators, faculty, staff, and visitors as they roam anywhere on campus.

Cisco® Administration and Operations Mobility Solutions are built on the industry-leading [Cisco Unified Wireless Network](#), an award-winning architecture that combines the best elements of wireless and wired networking to deliver a secure, scalable wireless network with a low total cost of ownership.



## Administration and Operations Mobility Solutions

The Cisco Unified Wireless Network delivers flexible, cost-effective solutions that meet and exceed the administration and operations requirements of higher education institutions.

### Pervasive Wireless on Campus, Indoors and Outdoors

#### Is the WLAN available ubiquitously indoors and outdoors?

Broadband access to keep users connected to their applications as they roam is quickly and cost-effectively available for any indoor or outdoor location with the Cisco Unified Wireless Network. Multiple buildings can share a single high-speed connection without cabling or dedicated lines. Instruction is no longer limited to the classroom. Faculty and staff can work from anywhere on campus.

### High-Speed Wireless Access with 802.11n

#### Are bandwidth-intensive applications supported on the WLAN?

The Cisco Unified Wireless Network excels at supporting bandwidth intensive applications such as video-on-demand, gaming, and multimedia. This award-winning solution delivers predictable and continuous wireless coverage for areas with dense client devices such as lecture halls, auditoriums, and social areas.

### Secure Wireless Guest Access

#### Can visitors and alumni easily access the network?

Secure wireless guest access for visitors such as prospective students, alumni, parents, visiting lecturers, conferences, and temporary workers is built in to the Cisco Unified Wireless Network.

### Mobile Unified Communications

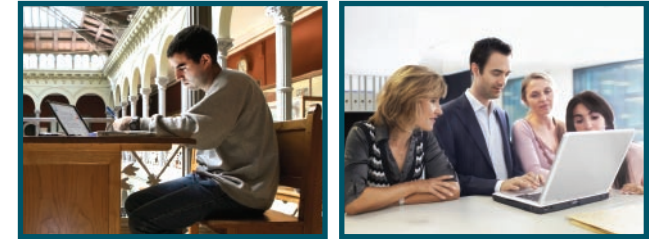
#### Are mobile voice services on campus cost-effective?

Cost-effective, on-campus phone calls using Wi-Fi single- or dual-mode phones is supported by the unified architecture to help institutions reduce, and in some cases eliminate, cellular phone charges.

### Campus Automation

#### Is managing and tracking campus resources automated?

Colleges and universities can reduce costs and improve productivity by using the unified architecture to support Wi-Fi enabled services that automatically manage and track campus resources and assets.



Cisco Administration and Operations Mobility Solutions for higher education deliver predictable wireless access from anywhere on campus, reduce operational costs, and enhance the guest user experience:

- Student satisfaction is increased and trouble calls are decreased because wireless access is predictable and consistent from anywhere on campus, including areas with dense wireless usage such as lecture halls, auditoriums, open spaces, and social areas.
- Costs associated with recurring leased lines between buildings or remote sites can be reduced or eliminated.
- On-campus, Wi-Fi voice services can be offered to reduce costs, or support fee-based services to recoup operating expenses or gain communications revenue.
- Improved management of campus buildings and assets can be facilitated to support green initiatives, improve energy efficiency, and create smart buildings.

***“The network must evolve to address our users' needs, and 802.11n is an obvious choice to support the growth in high-bandwidth applications.” —Duke University***

Learn more by reading the brochure: [Cisco Mobility Solutions for the 21st Century University: Higher Education in Motion](#)

## Cisco is the Market Leader and Vendor of Choice for Empowering Colleges and Universities to Meet and Exceed their Mobility Requirements:

Cisco has an extensive portfolio of mobility products to cover all areas of the campus, from parking lots and classrooms, to dorms, stadiums, administration offices, outdoor areas, and research facilities.

Cisco is the only wireless vendor to deliver integrated mobility applications through an open, extensible platform that supports Wi-Fi, Ethernet, cellular, and WiMAX.

Cisco performs stringent testing of platform, client, and application interoperability through the [Cisco Compatible Extensions](#) program, the [Cisco AssureWave](#) program, and our collaboration with Intel and third-party application providers.

Cisco is the established leader in next-generation, 802.11n technology with the Cisco Aironet® 1250 Series Access Point serving as the platform against which all other manufacturer's access points are tested for worldwide [Wi-Fi Alliance](#) compatibility.

Cisco offers the industry's broadest array of mobility services, including [voice over WLAN](#), [context-aware mobility](#), [location services](#), [mobile intelligent roaming](#), [adaptive wireless IPS](#), [secure client manager](#), and [secure guest access](#).

Cisco is the only wireless vendor to deliver true **enterprise-class security** from Layer 1 to Layer 7 that includes a powerful intrusion prevention system (IPS), world-class firewall, threat assimilation, threat mitigation, and [Network Access Control \(NAC\)](#).