

# Dedicated Fiber Internet for higher education



Count on the reliability, bandwidth and speed of a dedicated internet connection.

Today's higher education institutions depend on high-performing internet solutions to keep critical applications running and student services operating. A dedicated, dependable internet connection ensures high performance for your network resources, allowing you to better serve faculty, staff and students.

Dedicated Fiber Internet is a service that offers high-speed, scalable, nationwide internet connectivity, with performance and support you can count on. The service is backed by a 100% uptime service-level agreement (SLA) all the way to the hand-off point at your location.

---

## Product highlights

- **High performance:** Improves productivity across your campus through a high-performing internet service that delivers reliable connectivity.
- **Scalability and reach:** Provides a scalable platform with national reach and dense metro coverage to support current and future bandwidth needs.
- **Business continuity:** Allows for optional solutions to support internet uptime in the event of a disruption.
- **End-to-end support:** Provides a single, nationwide contact point for services and support including in-building connections to your equipment.
- **Value:** Offers cost-effective, straightforward pricing.

---

## Key features

- A dedicated connection that is not shared with others, delivered over a reliable, advanced fiber network that is available nationwide.
- The service delivers low latency, jitter and packet loss all the way into the client suite.
- Symmetrical access that scales up to 100 Gbps.
- 100%, 24/7/365 U.S.-based support and local technicians.
- Multiple physical diversity and redundancy options to help protect your network.

---

## Technical specifications

### Network

- IP over IEEE 802.3-based, full-duplex, non-circuit switched services.
- On-net locations are provisioned via our advanced fiber network from the client premises to one of many hub locations throughout the Spectrum Enterprise® network footprint.

### Routing

- Static or border gateway protocol (BGP) traffic routing options.

### Internet access demarcation

- Fiber connections to the Spectrum Enterprise network are monitored 24/7/365 via a dedicated network interface device (NID).
- Traffic is routed over the Spectrum Enterprise IP network until it is delivered to the internet.
- Demarc extensions are installed for most buildings where service is provided.

### Static IP addresses:

- Initial IP block is included.
- Additional IP address space available upon request.
- Support for dual stacking of IPv4 and IPv6.

### Other available services

- **Wireless Internet:** Connect to the internet with a wireless solution that helps keep your business running. This all-inclusive wireless internet service comprises equipment, installation and support.
- **Enterprise Network Edge:** Improve the network experience for your teams with an enterprise-grade managed solution that brings together connectivity, equipment and network management to support both hybrid networks and workforces. Powered by Fortinet, the solution simplifies IT operations by providing networking with security features and optional integrated WiFi and switching in a multi-cloud-ready platform.
- **Managed Network Edge:** Delivered over the Cisco Meraki platform, this fully managed, modular service offers security features, routing, SD-WAN, WiFi, switching, smart cameras, environmental sensors and the ability to work from anywhere there is an internet connection.
- **Managed Router Service:** Efficiently route traffic and improve bandwidth use without investing in hardware or day-to-day management.
- **Managed cloud security:** Help protect every user, device and application with cloud-based solutions that simplify the security experience. **Secure Access with Cisco Duo** and **Cloud Security with Cisco+ Secure Connect** apply zero trust network access and multi-factor authentication technologies to help guard against unauthorized access to data both on and off your network. Make your security framework more efficient and improve visibility regardless of users' location with fully managed solutions and expert support.
- **DDoS Protection:** Guard against malicious volumetric attacks designed to overload your network with world-class distributed denial of service (DDoS) threat identification and mitigation.
- **Unified communications:** Answer communication and collaboration needs with a fully managed, cloud-based voice solution that brings together calling, messaging, meetings, virtual workspaces and more in a single application that delivers a unified experience for today's remote faculty, staff and students.

### Learn more

[enterprise.spectrum.com/HigherEd](https://enterprise.spectrum.com/HigherEd)

### About Spectrum Enterprise

Spectrum Enterprise, a part of Charter Communications, Inc., is a national provider of scalable, fiber technology solutions serving many of America's largest businesses and communications service providers. The broad Spectrum Enterprise portfolio includes [networking and managed services solutions: Internet access, Ethernet access and networks, Voice and TV solutions](#). The Spectrum Enterprise team of experts works closely with clients to achieve greater business success by providing solutions designed to meet their evolving needs. For more information, visit [enterprise.spectrum.com](https://enterprise.spectrum.com).

---

©2024 Charter Communications. All rights reserved. Spectrum Enterprise is a registered trademark of Charter Communications. All other logos, marks, designs, and otherwise are the trademarks and intellectual property of their respective third-party owners. Not all products, pricing and services are available in all areas. Pricing and actual speeds may vary. Restrictions may apply. Subject to change without notice.