UW Information Technology
2010 Facts

The University of Washington is a premier global research institution of more than 75,000 people working in thousands of places around the world. UW Information Technology provides the technology infrastructure and resources vital to every aspect of University life.

UW Information Technology (UW-IT) provides strategic oversight, planning and management of the University of Washington's information technology infrastructure, services and resources. We partner with the UW community to support innovation, learning, discovery and service.
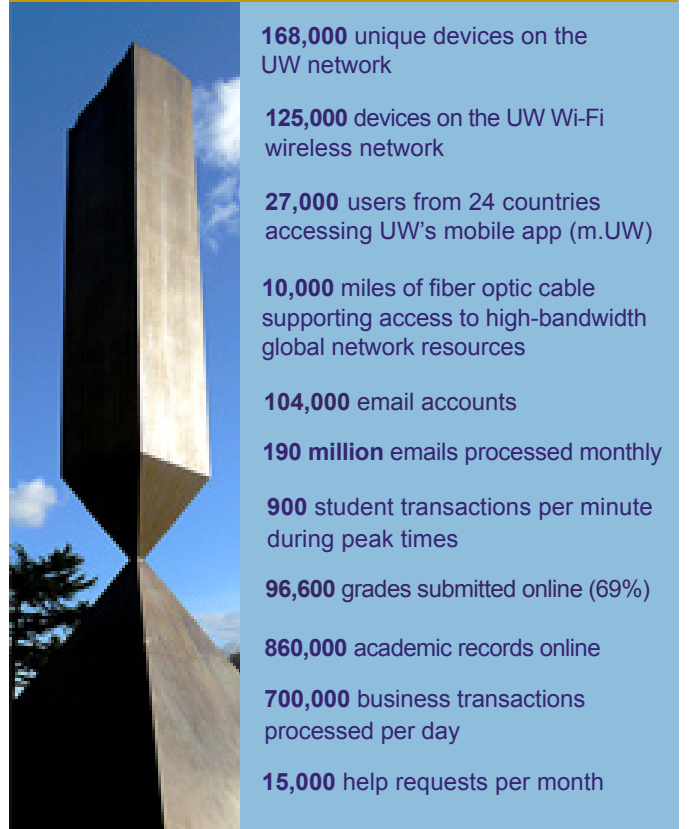
Advancing Global Research

▶ Our global networks support the University in winning more than $1 billion in grants and contract funding annually, furthering worldwide scientific discovery.

▶ We support undersea ocean observatories and seismic detection centers that exchange data and share high-definition video in real time worldwide.

▶ We provide computing and telecommunications technology and support to global health researchers in Africa, Asia and the Caribbean, enabling them to communicate and collaborate more effectively.

▶ Our videoconference service enables numerous locations to simultaneously collaborate and explore research in science and medicine, as well as connect face-to-face in worldwide emergency situations.

Supporting Teaching and Learning

▶ By offering ubiquitous Wi-Fi and making course resources available online, we support learning and teaching from anyplace, anytime, and on any device.

▶ Through strategic integration and development efforts, we provide a variety of collaboration and communication technologies for teaching and learning.

▶ Our award-winning DO-IT (Disabilities, Opportunities, Internetworking and Technology) program promotes the use of technologies to increase the success of people with disabilities in academic programs and careers.

By the Numbers — What UW-IT Supports

168,000 unique devices on the UW network

125,000 devices on the UW Wi-Fi wireless network

27,000 users from 24 countries accessing UW's mobile app (m.UW)

10,000 miles of fiber optic cable supporting access to high-bandwidth global network resources

104,000 email accounts

190 million emails processed monthly

900 student transactions per minute during peak times

96,600 grades submitted online (69%)

860,000 academic records online

700,000 business transactions processed per day

15,000 help requests per month

Promoting Innovation

▶ We partner with the eScience Institute to promote new scientific discovery by advancing technologies and techniques to manage large and complex datasets, including data mining, visualization, storage and analysis.

▶ We are leaders in the provision of super high-performance Internet capabilities for education, research and medical organizations.

▶ We integrate collaborative software with cloud-based applications to offer a suite of tools for teaching, learning, research and everyday work.

Connecting People

▸ Teachers, students and staff across Washington State connect through Washington's K-20 Network, a high-performance network for higher education, K-12 schools and community colleges designed and operated by UW-IT.

  ▸ All state public educators can access Web-based materials, learning tools and multimedia content through the K-20 Network, while students can thrive on art and science from museums and organizations like NASA and the Smithsonian.

▸ UW-IT's networks operate in five states and provide direct connections to Australia, Hong Kong, Japan, Korea and other countries around the world.

▸ We support UW Medicine clinical mobile devices that enhance healthcare quality by improving access to medical and health information, and facilitating instantaneous communication among staff and patients.

Collaborating

▸ We are partnering with leading higher education institutions to develop a next-generation student system to substantially improve educational quality and the student experience.

▸ We connected the University's three hospitals with optical fiber network that allows radiation oncology and cardiology units to access patient data across multiple systems.

▸ We won national recognition for innovative approaches to teaching and learning with technology from EDUCAUSE, WCET, NWACC and SIGUCCS, nonprofit associations that promote the intelligent use of IT in higher education.

Becoming More Efficient

▸ We leverage the University's scale and purchasing power so students, faculty and staff can access computing and communications services at highly discounted rates.

▸ We leverage technology to automate business processes and significantly reduce costs through deployment of online real-time financial information, grants management, grade submission, eProcurement and eTravel.

▸ We build strategic relationships with Microsoft, Google and Amazon to put commodity services like email on the cloud.

▸ We cut major technology infrastructure costs while promoting the wise use of resources by using cloud computing and virtualization.

Supporting Green Computing

▸ We are installing grant-funded smart meters and other equipment in 200 campus buildings to measure and manage energy consumption while modernizing the energy management infrastructure.

▸ We use enhanced power management technology so computers will automatically go into hibernation.

▸ We recover and reuse wasted energy in our data center.

▸ We reduced printing by moving reports online, saving 3 million sheets of paper annually, increasing accessibility and convenience.

▸ We collaborated with the University Registrar to transition from paper-based to online grading, saving resources and getting grades to students faster.

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