WELCOME

What draws students to the University of Washington? When I asked students this question at Freshman Convocation, they said they were attracted by the depth of our curriculum, the diverse experiences offered and the ability to explore and discover—both inside and outside the classroom. The UW truly is a special place for students.

Helping students get the most out of the University—and deepening and extending their experience—is at the core of UW Information Technology’s (UW-IT) mission. Students come with high expectations. They need a technology environment that enables them to navigate an array of opportunities, makes their academic lives easier and enriches their learning experience. Our approach is to first ask students what they need most and then deliver technologies based upon their priorities, always with an eye toward building for the future.

To help students find the right courses and map their academic path, we developed the MyPlan online academic planning tool. With recently added Schedule Builder and registration hand-off features, students now have a single place to plan and register for courses. Work is underway to extend MyPlan to Washington Community and Technical College students, supported by a grant from the Bill & Melinda Gates Foundation. In addition, with Canvas as the UW’s learning management system, faculty now have a single, cohesive and robust environment to efficiently create rich, interactive learning experiences.

This year we launched cloud-based Panopto as the UW’s single lecture capture service and introduced MyUW Mobile for students, providing them with timely, relevant and personal content. We initiated a major multi-biennium project to upgrade UW Seattle general-use classrooms with modern technologies, and extended maintenance hours to ensure equipment is always ready to go. As we look to the future, we’re exploring ways to use data analytics to enable more individualized learning and to provide continuous real-time information to students on how they are doing, with recommendations on programs and support.

To support UW’s world-class research and discovery, we’re developing a shared network research environment with a new 100G High Speed Research Network that connects to...
OUR MISSION

Enable UW students, faculty and staff to be more effective

Help the UW manage risks and resources

Encourage collaboration, creativity and UW’s competitiveness

“Students represent limitless possibilities. They push us to innovate faster and to deliver advanced technologies that enable everyone at the University to pursue their best work.”

other research institutions through the Pacific Northwest Gigapop and Internet2. This is coupled with a major upgrade to our campus network backbone, from 10G to 40G, to support increased daily demand and Big Data transfers. In addition, Hyak, UW’s shared research computing cluster, and lolo, our large-scale data archiving and collaboration service, both dramatically increased power and performance this past year. On the horizon is an expanded software toolset for researchers, plus consulting services to help them find the best technology resources to support their work.

Our efforts to modernize the University’s aging administrative infrastructure are reaching a major turning point as we prepare to launch the new Workday HR/Payroll system in December 2015. In addition to supporting this initiative, led by Senior Vice President V’Ella Warren, UW-IT is working directly with UW units to ensure their systems are ready. With our partners, we’re piloting a new Enterprise Document Management System to help UW units go paperless, increase efficiencies and reduce risk. We continue to engage the UW community through three IT governance boards, ensuring we’re making the right strategic decisions and investments for the future.

Students are a strategic differentiator for higher education. They represent limitless possibilities. They push us to innovate faster and to deliver advanced technologies that enable everyone at the University to pursue their best work—leading scientific discovery, enhancing health and creating a world of good.

Kelli Trosvig
VICE PRESIDENT FOR UW INFORMATION TECHNOLOGY AND CHIEF INFORMATION OFFICER

Students represent limitless possibilities. They push us to innovate faster and to deliver advanced technologies that enable everyone at the University to pursue their best work.”
To gain a better understanding of the universe, UW Professor Hamish Robertson and his physics research group are playing a major role in two large experiments that study the mass of the neutrino. These studies involve collaborations with peer institutions nationally and internationally and require timely, efficient transfer of huge data files for analysis and processing.

To meet that demand, UW-IT is implementing a Cyberinfrastructure Plan in support of UW’s world-class research programs such as those headed by Robertson. The plan supports disciplines as diverse as astronomy, atmospheric sciences, bioengineering, genomics and nuclear physics, among many others.

A major component of the plan is a new 100G (Gigabits per second) High Speed Research Network that allows researchers to connect directly to other research institutions, through the Pacific Northwest Gigapop and Internet2, at speeds not possible before.

UW-IT is also completing a major campus network backbone upgrade from 10G to 40G, which will allow UW researchers to move larger amounts of data at significantly higher speeds.

The upgraded network facilities—which are closely integrated with UW’s high-performance computing cluster Hyak, large-scale data archiving and collaboration service Iolo, and world-class data centers—contribute to the cyberinfrastructure environment needed to support Big Data science and research at the UW.
UNFOLDING NATURE’S SECRETS

Professor David Baker and his team are using cutting-edge computing to unravel deep mysteries of how proteins function and unlock a world vastly different from our own.

It’s a world where treatments for viruses can be developed in weeks instead of years. Where cancer tumors can be eliminated quickly and completely. Where global warming can be tackled by neutralizing carbon dioxide, and antidotes can efficiently nullify toxins.

To make this world possible, Baker and his team seek to solve one of the greatest challenges in biochemistry today—understanding how proteins fold themselves into complex three-dimensional shapes that determine their function.

Naturally occurring proteins solved evolution’s challenges, said Baker, Director of the UW’s Institute of Protein Design, a world leader in this field. Unlocking their secrets will enable Baker and his team to design a new world of synthetic proteins to address 21st century challenges in medicine, energy and technology.

“The ease and speed keeps going up, and the cost keeps going down. And that really helps move our work forward.”

This kind of research requires massive computing power, and that’s where UW-IT comes in. Baker’s team runs thousands of calculations daily that would have been impossible even five years ago. Today, UW-IT provides Baker with more than enough computing power to tackle the research.

Baker uses Hyak, UW’s shared high-performance research computing cluster, and lolo, the large-scale data archiving and collaboration service for researchers. He will be a major user of UW’s new 100G (Gigabits per second) High Speed Research Network, giving him ample computing capacity to handle vast amounts of data.

“Baker’s lab transfers about two petabytes from the Internet each year,” said UW-IT Research Consultant Chance Reschke. “If this were digital music, it would take 4,000 years to play it.”

“Big-Data researchers like Baker have driven big improvements in UW computing infrastructure, with benefits for the entire academic community,” said Brad Greer, UW’s Assistant Vice President for Computing Infrastructure. “Initially, we focused on building a capable, scalable infrastructure for large researchers like David,” Greer said. “Thanks to them, any UW researcher today, large or small, has access to incredible capabilities at very low cost.”

Perhaps the most surprising thing about Baker’s large-scale use of UW-IT computing resources is that he rarely gives it a thought. “It just works. It’s invisible. And as a researcher, that’s the way you want it,” Baker said. “The ease and speed keeps going up, and the cost keeps going down. And that really helps move our work forward.”

BOUNDLESS RESEARCH

Four all-electric micro cars with advanced technologies are now on UW Seattle’s campus, helping faculty and students conduct several research projects, including a study to increase battery lifespan. The cars are here thanks to a partnership between the departments of Civil and Environmental Engineering and Electrical Engineering and UW-IT.

High-performance support for research – Hyak, UW’s shared research computing cluster, and lolo, a large-scale data archiving and collaboration service for researchers—both managed by UW-IT—dramatically increased power and performance in the past year, drawing new sponsors eager to tap into powerful research tools. UW’s computing power has helped attract new faculty members in Atmospheric Sciences, Biochemistry and Physics.

Globally accessible – UW students, faculty and staff can use their UW credentials to securely access the Internet at 5,500 campuses in the U.S. and around the world using eduroam, a worldwide free service providing instant, authenticated and encrypted network access. Visitors to the UW from participating institutions can do the same.

DID YOU KNOW...

The UW Tower Data Center received a 2013 EPA ENERGY STAR certification for superior energy efficiency and lowered carbon footprint, one of only two U.S. universities to earn it.
All new students entering UW’s Information School are required to map out an academic plan leading to graduation. The tool of choice is MyPlan, the University’s online academic planning tool.

“MyPlan allows us to have deeper and more thoughtful conversations with students about their academic interests,” said Dowell Eugenio, an Informatics Academic Adviser. “We can track their progress with more certainty and advise them on what classes to take, and when.”

With MyPlan, students can develop a multi-year academic plan, evaluate their program against degree requirements, prepare for registration and have more productive discussions with their advisers. Recently added features make MyPlan even better. Students can now build and then electronically hand off their schedules to the UW's registration system without having to re-enter information.

MyPlan won a 2014 Campus Technology Innovators Award, one of 11 honorees selected from 215 higher education institutions across the globe. And now, thanks to a grant from the Bill & Melinda Gates Foundation, plans are underway to bring MyPlan to students at Washington’s 34 Community and Technical Colleges.

MyPlan is funded in part by the Student Technology Fee and is a collaborative effort between students, advisers and partners in the Office of the Registrar, Graduate School, Undergraduate Academic Affairs and UW-IT.

Award-winning MyPlan helps students plan for success

MORE INFO: mediaamp.org  |  uw.edu/itconnect/learn/tools/canvas  |  depts.washington.edu/myplan  |  spacescout.uw.edu

Professor Nathan Kutz uses MediaAMP to help transform online education in his department.

PASSION NEVER RESTS
AMPING UP ONLINE EDUCATION

W Applied Mathematics Chair Nathan Kutz is passionate about online learning. His passion, coupled with innovative programs and advanced technologies, has made his department a national leader in online professional education.

Eight years ago, UW became the first to offer an online Masters in Applied Math. In 2011 a Computational Finance Masters program was added, ranking in the top 20 before graduating its first class.

“We’re proud of our leadership status in online learning,” Kutz said. “We strive to offer the most innovative and modern tools for online delivery of materials.”

One of the most important of those is MediaAMP, a cloud-based content-sharing tool developed by UW-IT.

“MediaAMP transformed the way we managed and integrated all our online offerings,” Kutz said. “It’s an ideal solution that allows our department to easily scale up the services we offer.”

With MediaAMP, professors can add unlimited supplemental material that encourages online students to dive deeply into recorded lectures, said UW-IT’s Director of Digital Media Platforms Laurens Banker. It adapts to any type of viewing device, and all content is tagged for easy searching. It’s extremely scalable, easy to use and integrated seamlessly into Canvas, the UW’s learning management system.

“If I want, I can add one, two, three examples as five-minute mini-lectures—right from one spot in the video,” Kutz said. “I can add a paper or a Web link. Just execute, upload, done. Students can view the extra material or watch the lecture uninterrupted. It helps us as professors feel empowered to include a lot of extra material. And that’s transformative.”

MediaAMP, combined with Canvas, is also influencing pedagogy in traditional classrooms. “They let us do what we call a flipped course,” Kutz said. “Where we would traditionally do formal lectures, now those are on MediaAMP. That lets us use our classroom time for direct engagement, interaction and problem solving.”

Together, these tools provide a powerful online teaching and learning platform, said Tom Lewis, UW-IT’s Director of Academic & Collaborative Applications. “Canvas has limited full-featured digital media management, so bringing these technologies together allows Applied Math to easily reuse their content in any Canvas course.”

Other UW departments are turning to MediaAMP. The Foster School of Business uses MediaAMP to streamline its digital video management workflows and UW Libraries uses it to make its large video library of course reserves available to all three campuses.

“MediaAMP—with its FERPA compliance, HIPAA alignment and extremely rich reporting and analytics—can be used in a variety of teaching, clinical or research settings,” Lewis said.

“Delivering lectures used to be our central focus. Now we can think about all the other things that help students learn better and have a richer experience,” Kutz said. “Ultimately, it’s all this rich content that makes a program so much better.”

MyUW Mobile: Your class schedule when you need it – MyUW Mobile Web application helps students track tuition and fee balances, classes, textbooks, registration and even grades at the touch of a screen—and from any mobile device.

Enhancing teaching and learning – Canvas, UW’s learning management system, supports teaching and learning—with more than 47,000 students participating in more than 3,000 Canvas courses. Enhancements from UW-IT and UW Libraries let students connect with librarians and research resources directly from their courses in Canvas.

Making videos accessible – It’s easier than ever for UW departments, faculty and staff to caption videos, making them more accessible through a low-cost service called CaptionSync.

DID YOU KNOW...

SpaceScout, a Web and mobile app that helps UW students find the perfect study spot, now lets students review and message friends about these spaces.
When Patrick Pow, Vice Chancellor for Information Technology at UW Tacoma, was searching for a solution to email and calendaring challenges on his campus, he considered several choices. Finally, UW Tacoma chose Office 365 because it met the campus’ communication and compliance needs.

“Most users on my campus have not been happy with previous calendaring and email systems,” said Pow, who worked with UW-IT to implement cloud-based Office 365. “Early on, we realized that using a tri-campus scheduling system was vitally important to our success.”

Pow said Office 365’s email and calendaring system works best for his campus because it is HIPAA aligned and FERPA compliant. Many other popular products are not.

Office 365 project was launched by UW-IT to provide a more cost-effective, centrally hosted email and calendaring service for all three UW campuses through the UW Exchange Online service. The most recent phase involved migrating users from a local Exchange email and calendaring system to UW Exchange Online, which includes 50GB of storage. The next phase will make UW Exchange Online available to anyone who wants to use it, all supported by the Technology Recharge Fee.

“Most administrators and staff members in Tacoma are really happy with Exchange email and Outlook calendaring,” Pow said, “and they report improved teamwork and productivity.”

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At Odegaard Undergraduate Library, two innovative classrooms are combining creative spaces with technology to put students at the very center of teaching and learning. They’re known as Active Learning Classrooms (ALCs), where round tables for up to nine students allow for close interaction and collaboration—with flexible seating, computer stations and glass walls for scribbling notes. Rather than promoting passive reception of information, ALCs encourage students and professors to be actively engaged.

In their first full year, the ALCs have earned rave reviews in disciplines ranging from Chinese to Psychology. They’re popular for studying even when classes aren’t in session.

“They’re not called Active Learning Classes for nothing,” said Psychology Lecturer Nicole McNichols. “They promote activities, invite questions and encourage problem solving. The focus on groups means instead of being one of a hundred students, you’re one of maybe five. And the technology makes it easy for the instructor to keep track of everything and share it effectively with the group.”

This change from passive to active learning produces results. According to McNichols, the National Academy of Sciences has found that active learning raises average student exam grades by half a letter, and reduces failure rates by more than 50 percent.

The ALCs are supported and managed through a partnership between UW Libraries and UW-IT’s Classroom Technology & Events (CTE) and Learning Technologies.

“The ALCs are taking learning to a whole new level.”

“For the ALCs to be successful, it was important to balance technology and pedagogy,” said Amanda Hornby, Odegaard’s Teaching & Learning Program Librarian.

“CTE has incredible expertise in technology, classroom design and faculty needs. Libraries are experts at facilitating informal learning and peer-group work,” Hornby said. “Together, we’ve made great progress in defining best practices to promote innovative teaching and learning in the spaces.”

The collaboration has paid off. “Our hope was the first two rooms would be a catalyst for more. And it’s working out that way,” said Roberta Hopkins, CTE’s Director. “More and more faculty are learning about them, trying them out and wanting to teach in them.”

Plans include a new ALC and technology upgrades to classrooms in Denny Hall, the UW’s first building. And under a multi-year project launched by UW-IT, other UW Seattle classrooms are getting major technology upgrades.

CTE has finished work on 36 classrooms and will complete 37 more by next summer. The work will continue through 2021, guided by a Provost-appointed task force.

“To me, the ALCs are learning playgrounds,” McNichols said. “Students feel empowered, like they’re getting more out of their time in the classroom. The quality of work being produced is amazing. The ALCs are taking their learning to a whole new level.”

Explore, learn, connect – More than 400 members of the University information technology community attended the first UW TechConnect conference in March 2014 to explore a range of topics including Flipping the Classroom, Office 365, Tableau data visualization and Enterprise Architecture strategy.

Aligning technology and business solutions – A University-wide Enterprise Architecture initiative launched in 2014 to address the challenges of merging new technologies into the UW’s complex and dynamic environment. The initiative works with UW’s business and IT stakeholders to align technology projects with business strategies and UW strategic directions.

What’s app with Google – UW Google Apps is another cloud-based collaboration suite at the UW, featuring a rich set of Web applications, with more added regularly.
Director of Human Resources for the School of Law Paula Johnson can’t wait for the new Workday HR/Payroll system to launch.

“The new system will bring us into a whole new world,” Johnson said, “with real time, reliable, accurate and consistent data at our fingertips, and no shadow systems to track. We will be able to compare apples to apples.”

The new Workday system, being implemented as part of the HR/Payroll Modernization initiative, will go live in December 2015. It will replace the University’s 32-year-old payroll system, which can no longer keep up with the UW’s complex business environment.

The initiative’s current phase through May 2015 will configure the Workday system specifically for the UW’s needs, and include extensive outreach. Integration of other University business systems with Workday is also underway.

A companion effort led by UW-IT is identifying all University systems that use HR/Payroll data through the Enterprise Data Warehouse, Operational Data Store and other UW-IT-managed data sources. The goal is to simplify how Workday data may be captured and accessed by these systems to help ensure departments and units have access to the data they need.

“From a manager’s perspective, metrics and data are very important,” said Johnson, “and a new payroll system will give us access to this kind of information.”
Sometimes going paperless takes a team effort. Just ask Grant & Contract Accounting (GCA), which manages more than $1.2 billion in research grants each year. Managing complex grant requirements generates a ton of paper and involves cumbersome, time-consuming manual efforts.

Now, thanks to “amazing teamwork” on a five-month pilot project between GCA, Records Management and UW-IT, GCA is taking its work paperless. The team used UW’s new Enterprise Document Management System (EDMS) to digitize and store electronic business documents, and enterprise workflow tools to automate business processes. With these approaches, GCA transitioned its manual processes to an automated workflow, increasing efficiencies while reducing security and compliance risks.

“What was great about this pilot was that we were ‘taught to fish’ so we could continue developing paperless business processes without having to go to UW-IT,” said GCA’s Director of Campus Services Kirsten DeFries. “It’s not just about losing the paper. UW-IT pushed us into the deep end of evaluating all our workflows to help us automate our processes. That’s going to make managing grants faster, easier and more secure and accessible for everyone involved.”

“GCA was already very efficient,” said Jeanne Marie Isola, UW-IT’s Director of Finance/Enterprise Business Services. “The pilot wasn’t about just throwing tech tools at them. That can make a process worse. We wanted to leverage limited resources to get maximum impact.”

“Our processes are going to be faster ... to help them focus on what’s most important—doing world-class research.”

The hands-on approach by UW-IT technical experts was key, said GCA Senior Computer Specialist Kristen Bendixsen. “They weren’t behind the scenes somewhere coding. They were here, interacting, asking questions.”

GCA Grants Manager Nicole Flagg agreed. “The technical people had an amazing ability to listen and hear us walk and talk through our process—and then make it work.”

“Paperless processes require having a well-thought-out electronic workflow, and UW-IT really helped with that,” said GCA Web Developer Gregg Reynolds. “That was one of the biggest wins, to get that training, in addition to going paperless.”

The pilot was extremely efficient, said Brian Baldwin, Associate Director for Systems, Research Finance & Operations. “I’ve never seen anything put into production and launched that quickly. And the beauty is that UW-IT isn’t moving on now that the pilot is over. They’re asking for our roadmap so they can best support us.”

The EDMS project is in a pilot phase, working closely with partners in preparation for general campus availability by 2016. Recently, UW-IT worked with Seattle Undergraduate Admissions in a discovery and roadmapping effort, and is partnering with UW Facilities to explore replacing its legacy document management system and support paperless workflows.

Meanwhile, at GCA, “Our processes are going to be faster, so researchers and their staff are going to get the information they need quickly and easily,” DeFries said. “That’s going to help them focus on what’s most important—doing world-class research.”

Visualizing data – UW Profiles, a set of Web-based dashboards for accessing and understanding basic UW data, now supports trend analysis for individual major programs and the ability to explore the data behind the visualization. These interactive dashboards were developed in partnership by the Office of Planning & Management and UW-IT.

Course demand data – Three new data visualizations in the UW Business Intelligence portal, based on data from Notify.UW, can help UW schools, colleges and departments understand how many spaces are needed to accommodate demand for each of their courses.

Securing UW info – Promoting a culture of information security and privacy is a major focus of the Office of the Chief Information Security Officer (CISO). The team is developing situational awareness tools for safeguarding the UW’s data assets through risk management and collaboration. Security engineers provide UW NetID abuse detection, manage abuse complaints related to UW networks and lead incident management efforts. The CISO website has a new UW Privacy Program section and online training.

DID YOU KNOW...

UW OneDrive for Business, with 1TB of cloud-based storage, is available at no additional fee to students, faculty and staff. So is UW Lync, offering online meetings with voice, video and screen-sharing.
The ability to check the status of UW-IT service requests in real-time is just one improvement made possible by UW Connect, a new service management tool launched by UW-IT this summer. The tool is part of a larger effort to use service management processes and tools to make interacting with UW-IT faster, easier and more transparent.

Additionally, UW-IT now offers a single point of contact for all of its help and support services (help@uw.edu and 206-221-5000), with many of them available around-the-clock. Up next is a complete redesign of UW-IT’s Service Catalog to turn it into a dynamic tool for customers to order or discontinue a service, report an incident and more.

UW-IT is also collaborating with other IT units to incorporate service management tools and practices across the University. UW-IT will partner with the Foster School of Business to implement UW Connect as a first step in offering the tool to other IT departments. The goal is to create a more unified, seamless way to access IT services and help across the University.
Under its five-year strategic plan, UW-IT is pursuing seven strategic goals to leverage current and emerging technologies to support the work of the University. Here’s just some of what’s ahead in 2015.

**Modernize Information and Business Systems**
- Continue to support the UW’s HR/Payroll Modernization initiative as it moves into its next phase—configuring the new Workday HR/Payroll system specifically to the UW’s needs.
- Help units transition to the new Workday HR/Payroll system through the HR/Payroll Intersections project, a companion effort to HR/Payroll Modernization, led by UW-IT.
- Explore the feasibility of modernizing the UW’s financial systems by working with stakeholders to complete a strategy and readiness assessment, identifying when and how to move forward after HR/Payroll Modernization is complete.
- Streamline the procure-to-pay process and increase efficiencies by completing implementation of Ariba e-procurement to provide one tool for supplier solicitation, contract management, requisitioning, invoicing and receiving of goods and services. Retire PAS procurement.
- Continue to go paperless by working with UW Facilities to explore replacing its legacy document management system with the new Enterprise Document Management System and by creating paperless workflows.

**Reduce Enterprise Risk**
- Enhance protection against network attacks and threats by evaluating and employing a new, scalable Intrusion Prevention System to further safeguard UW’s increasing data traffic against network-based threats.
- Ensure UW’s critical business processes can be restored quickly from remote data centers following a major disruption, as part of a five-year geographic redundancy effort.

**Better IT Management**
- Redesign UW-IT’s Service Catalog into a dynamic, interactive resource for customers to order or change a service, report an incident and more.
- Deliver better service by implementing UW Connect, a service management tool that provides a unified, automated system for accessing IT services, help and resources. Partner with the Foster School of Business as a first step in offering UW Connect to other units.
- Better understand IT investment by adopting technology business management tools and approaches to manage service costs, quality and value, and to develop metrics, improve transparency and prioritize service investments.
- Continue to engage the UW community in guiding IT strategies, service offerings and investment priorities at UW through three IT governance boards: IT Strategy Board, IT Service Investment Board and IT Service Management Board.

**IT Governance**
Making strategic IT decisions – Three information technology (IT) governance boards guide strategic decisions about IT investments, priorities and resources. The three boards, comprised of representatives from UW academic and administrative units, are focused on making the right strategic choices, directing limited resources to the highest priorities, and ensuring transparency. The IT Strategy Board advises on IT strategy, overall resource allocation and oversight of major projects; the IT Service Investment Board conducts an annual review of the Technology Recharge Fee and prioritizes UW-IT projects; and the IT Service Management Board identifies UW-IT services to enhance or retire.
UW–IT’S ANNUAL BUDGET: FISCAL YEAR 2015

**By Service Costs**

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<th>Service Area</th>
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**Funding by Source**

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BASIC BUNDLE OF IT SERVICES

UW-IT manages an annual budget of approximately $107 million to provide support to the University community through the service areas listed above. Almost 50 percent ($51,467,735) of UW-IT’s FY 2015 budget is dedicated to providing a basic bundle of critical IT services to all UW students, faculty and staff.

These basic services are supported by $32,279,747 in UW central funds and $19,187,988 from the Technology Recharge Fee (TRF). This fee was established in FY 2011 to provide a sustainable, long-term funding model for IT. It replaced an outdated recharge model based on phone lines, which did not fully cover the cost of services. The TRF is a per-capita rate paid by all UW academic and administrative units and UW Medical Centers.

UW-IT is committed to using our resources efficiently and effectively to meet the present and future needs of the UW community, and to providing transparency and accountability in our use of resources.

MORE INFO: uw.edu/uwit/recharge
### BY THE NUMBERS: WHAT UW-IT SUPPORTED THIS YEAR

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petabytes Data Exchanged</td>
<td>18.3 PE</td>
<td>Internet, equal to 244 years of HD videos</td>
</tr>
<tr>
<td>Billion Email Messages Processed</td>
<td>2.8 BI</td>
<td>85% incoming are spam</td>
</tr>
<tr>
<td>Petabytes Storage Capacity</td>
<td>1.3 PE</td>
<td>for scientific computing with Hyak and Iolo</td>
</tr>
<tr>
<td>Thousand Logins</td>
<td>575 TH</td>
<td>to computers in Odegaard Undergraduate Library Learning Commons</td>
</tr>
<tr>
<td>Billion CPU Hours</td>
<td>33 MI</td>
<td>spent in scientific calculation using Hyak</td>
</tr>
<tr>
<td>Thousand Unique Devices</td>
<td>487 TH</td>
<td>used the UW wireless network</td>
</tr>
<tr>
<td>Thousand Unique Devices</td>
<td>315 TH</td>
<td>used the UW wired network</td>
</tr>
<tr>
<td>Million Business Transactions</td>
<td>1.3 MI</td>
<td>processed on peak days</td>
</tr>
<tr>
<td>Thousand Student Registration Transactions</td>
<td>3 TH</td>
<td>Per Minute during peak times</td>
</tr>
<tr>
<td>Thousand People Using UW NetIDs</td>
<td>236 TH</td>
<td></td>
</tr>
<tr>
<td>Million Enterprise Data Warehouse Requests</td>
<td>13.3 MI</td>
<td>Processed</td>
</tr>
<tr>
<td>Thousand New Downloads</td>
<td>138 TH</td>
<td>in 26 countries (including USA) of the UW's mobile apps, includes OneBusAway, m.UW, SpaceScout, UW Ceremony</td>
</tr>
</tbody>
</table>

**Credits**

Feature writing: Rudy Yuly
Writing and editing: UW-IT Communications Team
Design: Karin Mellskog, UW Creative Communications (C2)
Feature photography: Mary Levin, University Photography

**Contact**
uw.edu/uwit

December 2014
“By working together, we are leveraging technology to advance teaching and learning and help solve global challenges.”

Kelli Trosvig, VP for UW-IT and CIO