Welcome New Graduate Students
System Accounts

• CSE students have two distinct accounts.
  – PSU Access Account (see http://www.identity.psu.edu/services/authentication-services/access-accounts/)
  – CSE Computing Account
    • Provides access to CSE-exclusive resources, such as specialized software and hardware, a variety of OS’s, HPC, etc.
    • CSE systems are exclusively for CSE student use (will not have to compete with general student population for resources).
    • Department can establish local policies regarding quota’s, account expiration, etc.
Enable Your CSE Account

• Using your CSE account, log in to any system in rooms W204 or W205.
  – Upon first login, you will be prompted to reset your password. Passwords must be 12 characters minimum, using 3 of the following 4:
    • Uppercase
    • Lowercase
    • Number
    • Special character

• Visit www.2FA.psu.edu to configure a device for 2-factor authentication.

You will not be able to connect to CSE resources from remote locations or PSU’s wireless network until you have registered a device for 2nd factor authentication.
Security Questions

• Forgotten passwords for CSE accounts may be reset by either of two methods:
  – Answering personal security questions that you set in advance
  – Visiting the IT team with your Student ID card
• As much as we’d enjoy your visit, it is much easier for you to answer the security questions. You can set your security questions at the following url:
  – https://replace.cse.psu.edu
  – Available from any Penn State address
  – Must be enrolled in 2FA to set security questions.
Storage

• CSE account holders have access to departmental disk storage.
  – All account holders have at least 1GB of network mapped home directory space for course and related matters.
  – Research Assistants may access CSE’s Research NAS service.
    • If your work or assistanceship is sponsored by one of CSE’s faculty, you may be eligible to use this storage for your work. Ask your advising faculty for access.
    • RA’s should use this space for all research-related storage (in lieu of home directory space).
    • Storage quotas vary based on research sponsor and need.
Storage (Continued)

• Cloud Storage
  – Penn State has an agreement with box.com for cloud storage.
    • PSU users have unlimited storage
    • For more information: http://box.psu.edu/general-info/
    • Should be used for PSU intellectual data. (This includes research data)
    • Other cloud storage providers can be used for your own personal data.
Getting Help

• CSE has a team of 6 IT professionals that operate CSE’s research, teaching, and administrative computing facilities and services.

• To request help, send an email to helpdesk@cse.psu.edu
  – For faster response please include:
    • Your name, machine name (CSE workstation or your laptop), and a description of the problem you are having. (Be as descriptive as possible)

• The IT team is located in the W109 Suite, near the mail room and kitchenette.
Identity Protection

- Penn State requires all systems connecting to PSU’s network be periodically scanned for SSN and credit card numbers. To the extent possible, we automate this procedure with the Spirion scanning utility.
- Laptops purchased with PSU funds must be encrypted.
- See https://downloads.its.psu.edu for software resources available to all students.
Connecting to CSE

• Resources on CSE’s network may be remotely accessed by using Cisco’s Anyconnect VPN with the ISPtoCSE configuration file.
  – The VPN client is available at https://vpn.cse.psu.edu
    • Requires two factor authentication.
  – Allows ssh, RDP, samba, cifs, and similar protocols/services.
  – VPN is not required to access CSE web based applications and email.
Wireless Network Access

• Penn State operates a campus-wide wireless network.
  – While PSU’s Wireless network is available within the Westgate Building premise, you must use CSE’s VPN to access CSE’s network resources from the PSU’s wireless network.
  – See http://wireless.psu.edu/using.html
Email

• CSE operates a departmental POP/IMAP email service for CSE’s faculty, graduate students, and qualified collaborators.
  – Currently, there is no quota on email storage.
  – [https://www.cse.psu.edu/it/documentation/mail](https://www.cse.psu.edu/it/documentation/mail)
  – Web interface: [https://mail.cse.psu.edu/webmail/](https://mail.cse.psu.edu/webmail/)
    • Requires 2-factor authentication

• PSU’s email service is separate from CSE’s.
  – Quotas are imposed
  – webmail.psu.edu
Web Space

- Penn State offers students, faculty, and staff the ability to build websites, blogs, & portfolios free and easily.

- Visit [https://sites.psu.edu](https://sites.psu.edu) for more details.
Teaching

• PSU uses CANVAS for course management.
  – Secure/private grade management and communication
  – Homework posting and submission
  – On-line exercises, quizzes, an exams (auto graded)
  – Records management and retention
  – Class lists by section
  – Project team management
• http://canvas.psu.edu/
Why Canvas?

- Information Privacy and Security
- PCI Data Security Standards
- Collaboration, teaming, and project resources
- Consolidation of course assets
  - Cost effective (units don’t need to offer duplicate CMS services)
  - Better services
  - Students have one familiar source for all course-related activities
Other Resources

- On-line tutorials
  - [http://its.psu.edu/training/lynda/](http://its.psu.edu/training/lynda/)
- Box.com content sharing and collaboration service free to PSU students
  - Secure, cloud-based, commercial file storage, sharing, and collaboration service with unlimited storage
  - [http://box.psu.edu](http://box.psu.edu)
- PSU licensed software
  - [http://downloads.its.psu.edu/](http://downloads.its.psu.edu/)
  - Some software requires staff authentication
- No Cost Microsoft Office for students
  - [http://software.psu.edu/news/microsoft-no-cost-software](http://software.psu.edu/news/microsoft-no-cost-software)
- MSDNAA
  - CSE students have access to the college’s MSDNAA licensed software at no cost
  - If you are interested in this please email [dreamspark@engr.psu.edu](mailto:dreamspark@engr.psu.edu)
- ICS Advanced CyberInfrastructure
  - HPC service and infrastructure (free 30 day trial, then subscription fee based on use)
  - [https://ics.psu.edu](https://ics.psu.edu)
- Other info:
  - [https://www.cse.psu.edu/it/documentation](https://www.cse.psu.edu/it/documentation)