System Accounts

- You will have two distinct accounts.
  - PSU Access Account
  - CSE Computing Account
    - Provides access to CSE-exclusive resources, such as specialized software, 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).
    - Allows unusual system privileges where needed.
    - Department can establish local policies regarding quota’s, account expiration, etc.
    - Will need to change your password if you are logging in for the first time.
Storage

- CSE account holders have access to departmental disk storage:
  - All account holders have 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 faculty for access.
    - RA’s should use this space for all research-related storage (in lieu of home directory space).
Getting Help

- CSE has a team of 8 IT professionals that operate CSE’s research, teaching, and administrative computing facilities.
- The team’s work is prioritized and managed using a work request tracking database.
- To request help, send an email to helpdesk@cse.psu.edu with a description of the problem or work request.
- IT is located in the 111 Suite, across from the Computing Machine Room.
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 Proventsure’s scanning utility.

- Penn State requires that all laptops purchased with PSU funds be encrypted.
  - Penn State has made the Utimaco encryption Suite available to all PSU departments to fulfill this requirement for Windows laptops.
  - OSX laptops should use FileVault.
Connecting to CSE

- Resources on CSE’s network may be remotely accessed by using Cisco’s VPN with the ISPtoCSE configuration file.
  - The VPN client is available at downloads.its.psu.edu
  - Allows remote drive mapping (samba, cifs, nfs) and printing.
- Web based applications do not require use of the VPN.
  - www.cse.psu.edu/webmail
  - www.cse.psu.edu/support/tracker
Wireless Network Access

- Penn State operates a campus-wide wireless network that is accessible with the same Cisco VPN used to access CSE’s network. The wireless network is available within the IST Building premise.
  - This does not give direct access to CSE’s network resources.

- CSE operates a small private 802.1X wireless network for faculty and researchers.
  - Allows direct access to CSE network (storage mapping, printing, etc.).
Email

- CSE operates a departmental email service for CSE’s faculty, graduate students, and qualified collaborators.
  - imap or pop
  - Currently, there is no quota on email storage.
- PSU’s email service is separate from CSE’s.
  - Quotas are imposed.
  - Webmail based.
Web Service

- CSE operates a departmental web service for CSE’s faculty, graduate students, and qualified collaborators.
  - Professional pages for individual account holders.
  - Webmail client support (Squirrel Mail).
- Recreational web pages can be stored at personal.psu.edu
Teaching

- PSU has standardized on the ANGEL course management system.
  - 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
Why Angel?

- Information Privacy and Security
- PCI Data Security Standards
- 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
Misc. Resources

- On-line tutorials
  - http://its.psu.edu/training/lynda/

- PSU licensed software
  - http://downloads.its.psu.edu/
  - Some software requires staff authentication

- MSDNAA
  - CSE students have access to our MSDNAA licensed software at no cost
    - Email helpdesk@cse.psu.edu with request
    - MS Office Suite not included!!!

https://www.cse.psu.edu/it/documentation