System Accounts

- CSE students have two distinct accounts.
  - PSU Access Account (see http://ait.its.psu.edu/services/identity-access-management/identity/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).
    - Allows elevated system privileges on a case-by-case basis.
    - 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 218 or 220.
  – 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 2\textsuperscript{nd} 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
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.
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 with a description of the problem or work request.

• The IT team 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 the *Identity Finder* scanning utility.

• Laptops purchased with PSU funds must be encrypted.

• See [https://downloads.its.psu.edu](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
  – Allows ssh, RDP, samba, cifs, and similar protocols/services.
    – https://www.cse.psu.edu/it/documentation/vpn

• 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 IST 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
  – Web interface: 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 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.
  – https://www.cse.psu.edu/it/documentation/personal-webpage
  – www.cse.psu.edu/~<uname>/

• Recreational/personal or other project web pages can be stored at www.sites.psu.edu
Teaching

• PSU is migrating to CANVAS for course management.
  – Canvas will replace the use of ANGEL CMS
  – ANGEL will no longer be available as of Fall semester 2017
  – 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

• [www.canvas.psu.edu](http://www.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/
- 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
- PSU licensed software
  - 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
- 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
- ICS Advanced CyberInfrastructure
  - HPC service and infrastructure (free 30 day trial, then subscription fee based on use)
  - https://ics.psu.edu
- Other info:
  - https://www.cse.psu.edu/it/documentation