School of EECS
State of Undergraduate and Graduate Programs
22nd May 2023
ACADEMIC PROGRAMS IN EECS

- Computer Science
- Computer Engineering
- Electrical Engineering
- Software Engineering
- Data Analytics (University Wide Program)
- Cybersecurity (New)
All programs in EECS accredited by ABET, but by two different commissions:

- Engineering Accreditation Commission (EAC): EE, CptE, SE
- Computing Accreditation Commission (CAC): BA & BS CptS
Multiple new faculty to support the cybersecurity program

- Four new faculty in Pullman
- One new faculty in Everett
- One new faculty in TC
Approved at all levels as of March 30th 2023 including NWCCU

4-year degree plan is live

Credits Required: 120

First two years very similar to BS in Computer Science; last two years heavy on cybersecurity courses

Cybersecurity degree highlights:
  o Focuses on cyber operations
  o Emphasizes hands-on coursework, experiential learning

Has synergy with the VICEROY Institute for Cybersecurity Education and Research (CySER) - https://cyser.wsu.edu/
**Electrical Engineering and Computer Science**

**VOILAND COLLEGE OF ENGINEERING AND ARCHITECTURE**

## CYBERSECURITY COURSES

- **Required existing courses**
  - CPTS 327: Fundamentals of Cyber Security & Cryptography
  - CPTS 427: Cyber Security of Wireless and Distributed Systems
  - CPTS 428/528: Software Security & Software Reverse Engineering
  - CPTS 455: Introduction to Computer Networks and Security
  - CPTS 439: Cyber Security of Critical Infrastructure Systems

- **Required new courses**
  - CPTS 426: Hardware, Firmware Security & Hardware Reverse Engineering
  - CPTS 432: Cybersecurity Capstone Project

- **Elective new courses**
  - CPTS 424: Cyber Law, Ethics, Rights, and Policies
  - CPTS 425: Cyber Forensics and Anti-Forensics
  - CPTS 429: Virtualization and Offensive Cyber Operations
  - CPTS 431: Security Analytics and DevSecOps
Fall 2022 – Spring 2023 CS capstone cohort details:
Total projects: 43
Industry projects: 37
Industry projects percentage: 86%

Sponsors:
1. SEL
2. Dell
3. Boeing
4. Microsoft
5. F5 Networks
6. Luckmon Games
7. Dearien Games
8. Naval Undersea Warfare Center
9. Parchment Desktops
10. Colfax Council on Aging
11. Wahkiakum School District
12. Pullman School District
13. Disability Action Center – Northwest
14. Latah Alliance on Mental Illness
15. Psychology Clinic at WSU
16. School of Biological Sciences at WSU
17. School of Global Health at WSU