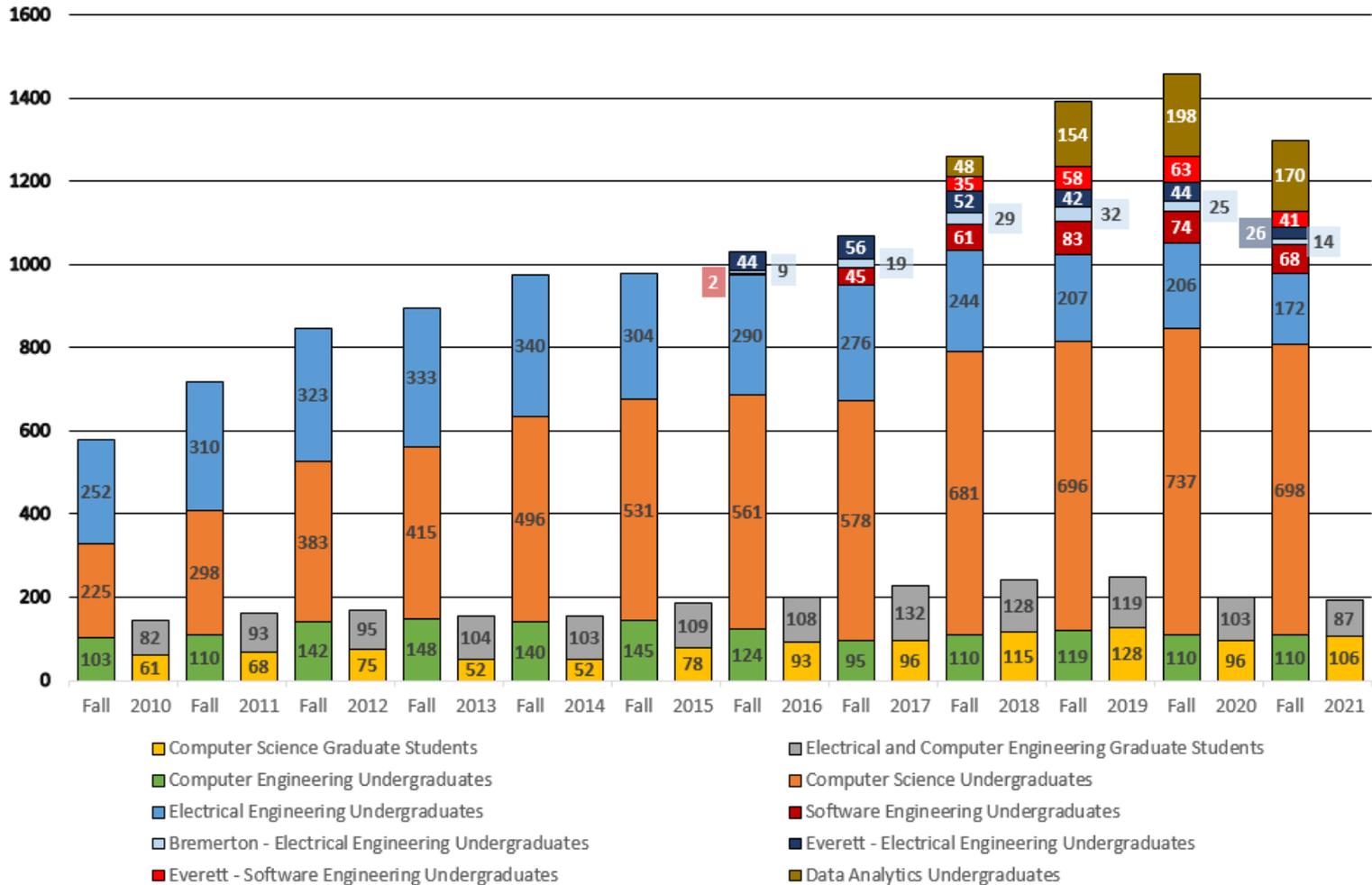# School of EECS
State of Undergraduate and Graduate Programs
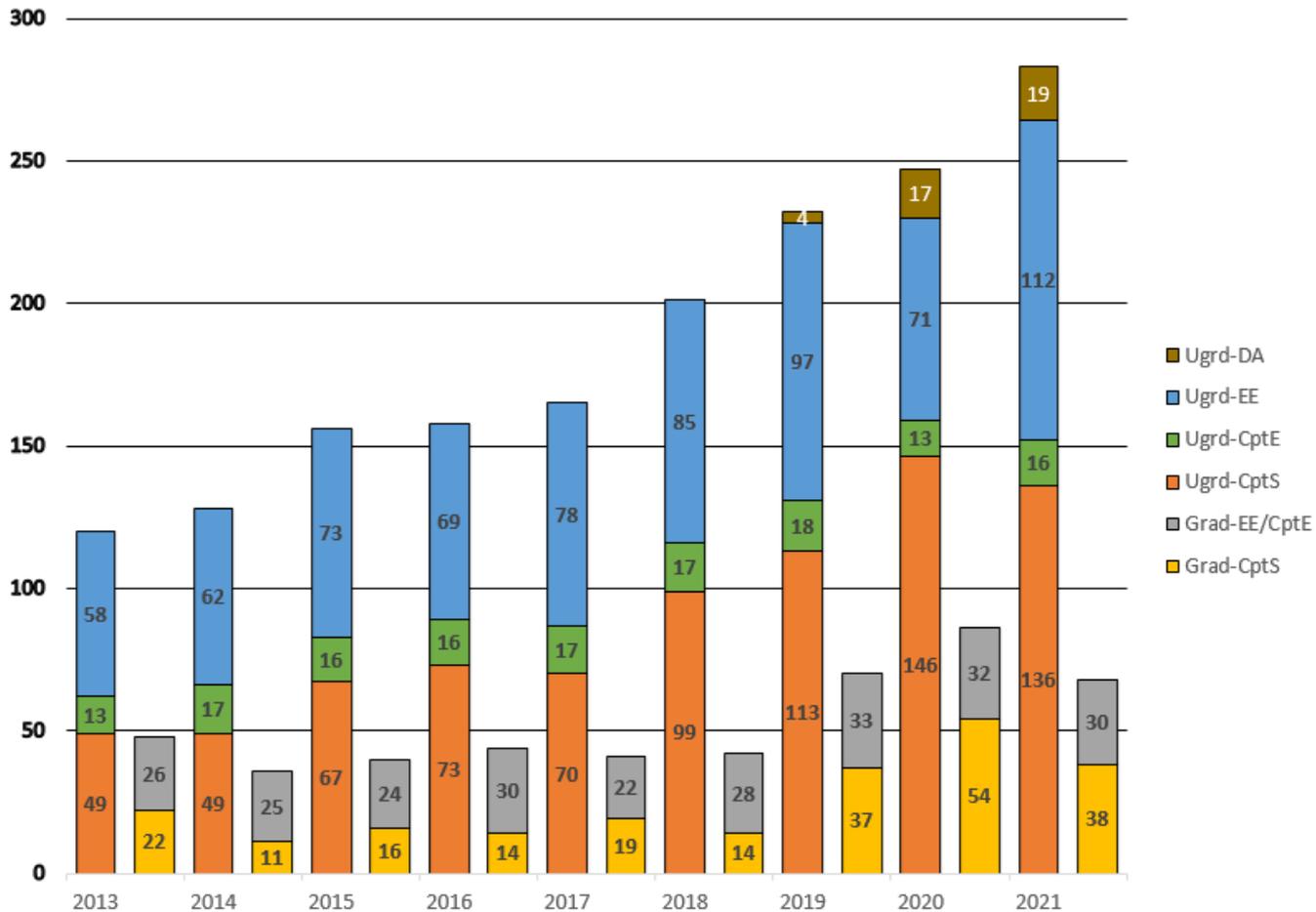# 8th November 2022

EDUCATION: HIGHLIGHTS

❑ Growing undergraduate and graduate programs!

❑ Capstone projects.

❑ Enrollment

STUDENT POPULATION: STATISTICS

GRADUATION: STATISTICS

Degrees Granted by Fiscal Year

ACCREDITATION (ABET)

- ❑ All programs in EECS accredited by ABET, but by two different commissions:
  - o Engineering Accreditation Commission (EAC): EE, CptE, SE
  - o Computing Accreditation Commission (CAC): BA & BS CptS
- ❑ ABET generally grants six-year accreditation periods
- ❑ EECS's most recent site visit occurred Sep./Oct. 2019
- ❑ ABET input led to:
  - o Relatively minor curricular changes (math requirement for BA CptS; increased coverage of parallel/distributed computing, networking/communications, and secure computing)
  - o Change in process used to randomly select students for assessment
- ❑ EECS received full accreditation till 2026

CAPSTONE PROJECTS

❑ Capstone Project
  - We have a high number of industry-sponsored projects currently

❑ CS Capstone
  o Fall 2021 cohort has 22 projects, out of which 19 are industry sponsored.
  o Companies sponsoring projects
    - Microsoft
    - Boeing
    - Pacific Northwest National Labs (PNNL)
    - Naval Sea Systems Command (NAVSEA)
    - Schweitzer Engineering Labs (SEL)
    - Latah Alliance on Mental Illness
    - Pullman Community Action Center
    - Disability Action Center – Northwest Chapter
    - SS Ventures
    - DigiClips
    - Millersville Games
    - SCALE Technologies

CAPSTONE PROJECTS (CONT'D)

❑ EE Capstone

- 9 projects, 6 sponsored by industry
- Philips Ultrasound; SwayM Tech; SEL; METER Group; and PNNL, Nectar Technologies

NEW CYBERSECURITY UNDERGRADUATE PROGRAM

- ❑ State has approved funding
- ❑ New faculty lines (9 new faculty will be hired)
- ❑ Curriculum development

COMPUTER SCIENCE RANKINGS CONTINUE TO RISE (2017-2022) (EDA AND HPC) (APRIL 2022)

1. Univ. of Illinois at Urbana-Champaign
2. **Washington State University**
3. Northeastern University
4. University of California - Riverside
5. **University of California - San Diego**
6. University of California - Irvine
7. **Georgia Institute of Technology**
8. Northwestern University
9. University of Utah
10. Duke University
11. University of Michigan
12. University of Central Florida
13. UCSB
14. University of California – Berkeley, University of Pittsburgh
16. NCSU
17. Penn State
18. TAMU
19. UCLA, University of Maryland, College Park, University of Notre Dam

NOTABLE AWARDS & RECOGNITIONS

- ❑ Rising Stars in EECS by MIT, 2021 (Syrine Belakaria)
- ❑ Heidelberg Laureate Forum, 2022 (Aryan Deshwal)
- ❑ ACM SIGSOFT Distinguished Paper Award at ISSTA'22 (Haipeng Cai)
- ❑ CASES 22 Best Paper Award (Harsh Sharma, Jana Doppa and Partha Pande)
- ❑ Co-EIC of ACM Transactions on Intelligent Systems and Technology (ACM TIST) (Diane Cook)
- ❑ IEEE DLP (Partha)
- ❑ WSAS member (Mani)
- ❑ Graduate student acquiring T/T position (Biresh Joardar)