CSE Schedule

- Welcome and Overview (11:45–12:30)
  - Frieder Sieble (JSOE Dean) + Ryan Kastner (CSE Prof)
  - Price Center Ballroom

- CSE Information Session (12:45-1:45)
  - Rick Ord (CSE Lecturer) + CSE Undergrad Panel
  - Price Center Theatre

- CSE Reception (2:00–3:00)
  - CSE Faculty, Staff & Students
  - CSE Building Lobby (1st Floor)

- CSE Lab Tours (3:00–4:00)
  - Computer Labs, SeaLab, Stingray
  - CSE Building
CSE at UCSD

Why come to CSE at UCSD?

1. Exceptionally strong and rigorous curriculum
2. Outstanding teaching and research faculty
3. Rich extracurricular environment
4. Amazing staff

Combined, we prepare our students for

- Leadership in a competitive high-tech job market
- Advanced study in graduate school
Curriculum

CSE offers a broad and deep curriculum

- Founded on practical and theoretical basics…
- Leading to advanced topics…
  - Networking, systems, AI, architecture, theory, etc.
- And rich multidisciplinary areas…
  - High-performance computing, bioinformatics, computer vision, graphics, cognitive science, robotics, etc.
- Four degrees provide flexibility
  - BA/CS, BS/CS, BS/CE
  - BS/CS with a specialization in Bioinformatics
    - Cross-disciplinary, nationally innovative
- 5-year BS/MS program for advanced study
Curriculum

- Advanced courses
  - System design with games
  - Embedded systems
  - Computer graphics rendering

- State-of-the-art computing resources
  - Instructional labs donated by Sun, Microsoft, Intel, Dell, etc.
  - Calit2 labs: visualization, experimental gaming and arts, hardware labs
  - Supercomputers at SDSC (gigabits, teraflops, and petabytes)
CSE 125:  
- Software System Design and Implementation  
- aka the video game class  
- [http://pisa.ucsd.edu/cse125/](http://pisa.ucsd.edu/cse125/)

CSE 145:  
- Embedded Systems Design Project  
- aka fun with robots and sensors  
- [http://www.cse.ucsd.edu/~kastner/teaching/cse145/](http://www.cse.ucsd.edu/~kastner/teaching/cse145/)
Faculty

CSE classes taught by an outstanding faculty

- Large and diverse: 50 and growing!
- Distinguished Fellows of IEEE, ACM, Packard, Sloan, Guggenheim; NSF young investigators; Academy Award
- Research Impact
  - Dean Tullsen: Computer Architecture
  - Mihir Bellare: SSL cryptography
  - Henrik Wann Jensen: computer graphics
- Excellence in teaching
  - Gillespie, Ord, Pasquale, Simon, Vahdat, Voelker recent university teaching award winners
Environment

CSE has many opportunities outside the classroom

- Lab and teaching assistants
  - Undergrads assist in many of our courses
  - Great way to learn, interact closely with faculty

- World-class research opportunities
  - Projects with graduate students and faculty
  - Key opportunity of a research university
  - CSE, Calit2, SDSC, SIO, …
Environment

- Strong connections with industry
  - Both local and national companies
    - Google, Amazon, Microsoft, Sun, HP, IBM, Intel, Qualcomm, Ericsson, Sony, AT&T, …
  - Many students do internships/coops for credit
  - Apply academic knowledge in real-world settings
Environment

- Join an outstanding department
  - CSE 13th in nation in Computer Science (USNews)
Environment

- Join an outstanding department
  - CSE 13\textsuperscript{th} in nation in Computer Science (USNews)

-2 in 2015!
CSE Web pages
- http://www.cse.ucsd.edu

Q & A today
- Price Center Theater

CSE Student Affairs
- 1st Floor CSE (EBU3B)
- Phone: 858-534-3621
- Fax: 858-534-7029
CSE Folks You’ll Meet Today

- Pat Raczka
  - Undergrad Program Director
- Viera Kair
  - Student Affairs Coordinator
- Ryan Kastner
  - Chair of Undergraduate Program
- Current Undergraduates (Panel)
- And other CSE faculty, staff, and students!