School of Electrical Engineering & Computer Science

CS 160 presentation
By the Numbers . . .

- Currently there are about 654 students in CS – approximately 275 are in PRO-school
  - ≈ 165 (60%) are in the Systems Option
  - ≈ 46 (16%) are in the Information Systems Option
  - ≈ 54 (32%) are in the Applied Program Option
  - ≈ 21 (8%) self-identify as Female
  - ≈ 65 (24%) self-identify as an ethnicity other than White

- Every year, there are 97 spots to enter PRO-school (we hope to increase it)
• Understanding Accreditation Board of Engineering & Technology (ABET)
  • Accreditation assures Standards
    • For CS, this includes specific objectives and outcomes of a degree at OSU
  • Standardization is important for larger organizations (universities and large companies)
  • Some universities and companies look for ABET accredited degrees
• Standards does not always equal Value
  • Looking at different ABET institutions: Are all equal? (PSU vs. OSU)

• OSU grad school – Do you need ABET?

• How many ABET jobs are listed in Oregon?
COMPUTER INFORMATION SYSTEMS

- The Information System has a built in Business/Entrepreneurship Minor
  - The minor if planned right can set a student up for a 1 year OSU MBA program

Why Business?

- 98% of Businesses in Oregon are < 1000 employees
- “Top-off” before entering Job Market
  - 2006 CS grad, “The MBA is how I went from no business processes to being a business consultant
- “Change of Career Focus”
  - 2003 CS grad, “I decided I didn’t want to write code 40 hours a week for the next 40 years. I have an entrepreneur's spirit. I wanted to turn ideas into businesses. An MBA was a natural step.
APPLIED OPTION

- Everybody needs a Computer Scientist because CS is a technical skill
- Allows students to explore different areas where they can use CS
- OSU minors can be built into the curriculum (ex. Math, Music, Biology, Chemistry, Psychology, Health)
- All students submit an Approval Form for review

- PRE-APPROVED OPTIONS
  - These options are much like a Baccore section – you have a list of required courses and then a section of electives to choose from

- Plan Ahead!
  - Not all courses are offered every term in other areas and fields
  - Many upper-division courses require lower-division prereqs

# Students by Major

- Sci 21%
- Lib. Arts 42%
- ENGR 13%
- BA 17%
- Math 7%

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Oregon State University
CS Minor

- You still have to apply for the Minor after completing: CS 161, 162, 261, 275 or 271, MTH 231 & 232
- You then take 3 upper-division courses
- It compliments any other major
Switching Options

• Have to talk with Calvin – no forms!
• Understand your PRE-GPA required courses!
• MyDegrees – “What If?”
Making it All Work

Resume Building
1. Clubs & Activities
   1. In 1st year, anything ok – but CS related EVEN better
   2. After 1st year, it better be CS related
2. Jobs & Internships
   1. EECS Weekly – Beaver Jobs – looking for CS related
3. Extra Credit
   1. MECOP interviews
   2. Leads to Research Opportunities (OSU is a research institute)
      1. This is best way to grad school
      2. Part-time jobs available
QUESTIONS?