

Undergraduate Programs

Lenny Pitt - Director of Undergraduate Programs



Goals & Outcomes

Goals

- Broad understanding of science of computing
 - hardware & software engr, design, theoretical principles
- Strong foundation
 - for graduate study, industry leadership, life-long learning

Learning Outcomes

[see Outcomes Assessment Plan]

Plan to be updated this spring



Outline

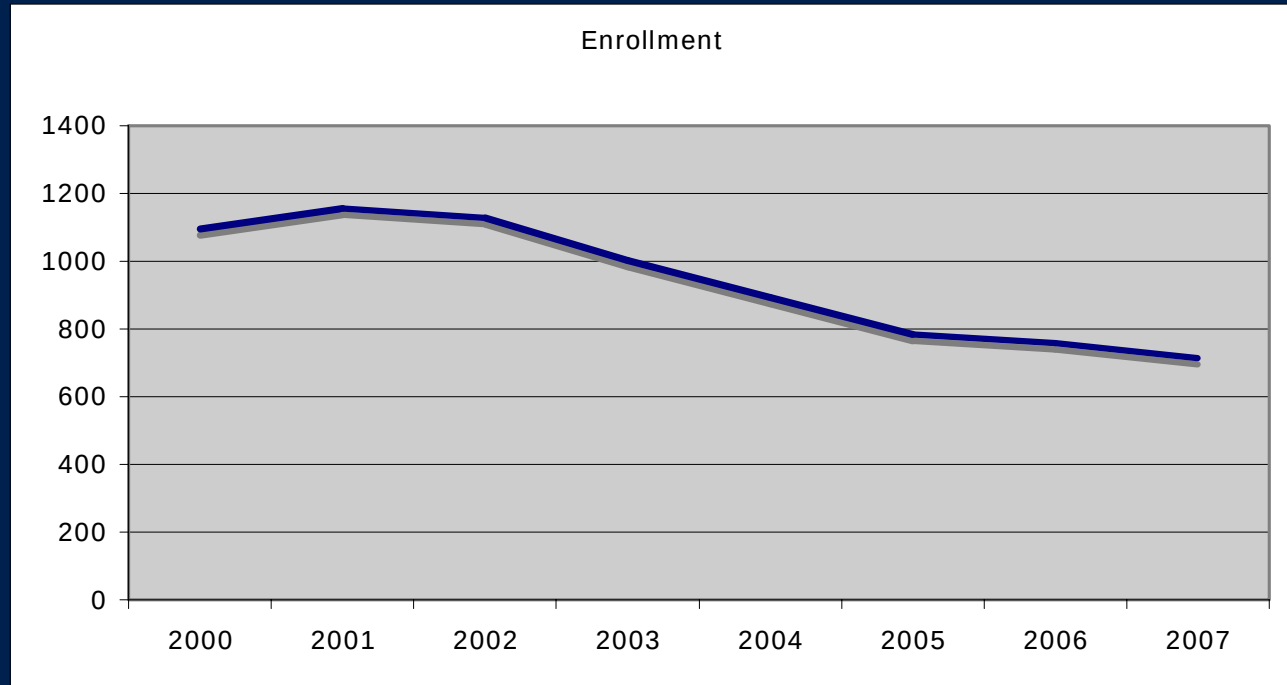


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Outline





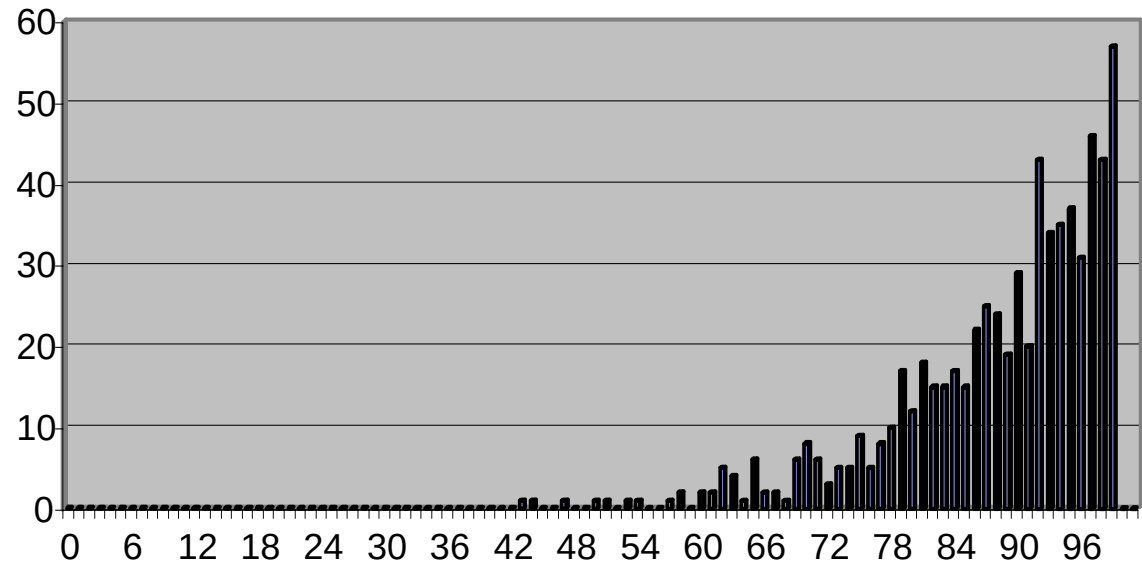
History:

- THEN 35 faculty vs 1200 students
- NOW 57 faculty vs 700+ students





HS percentile of entering freshmen, 200



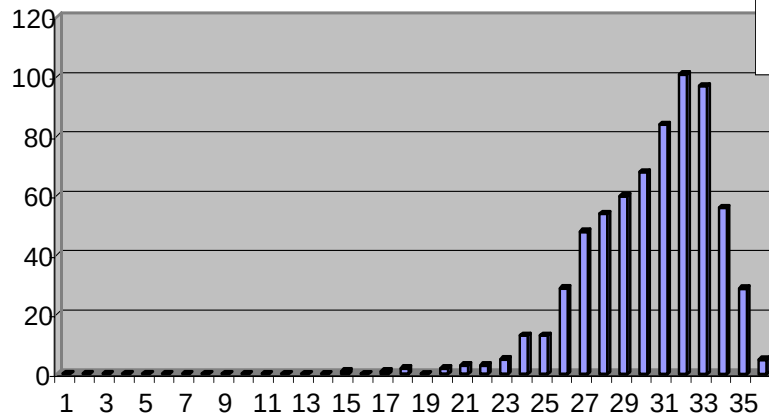
2/3 in 90th percentile

8.5% in 99th percentile



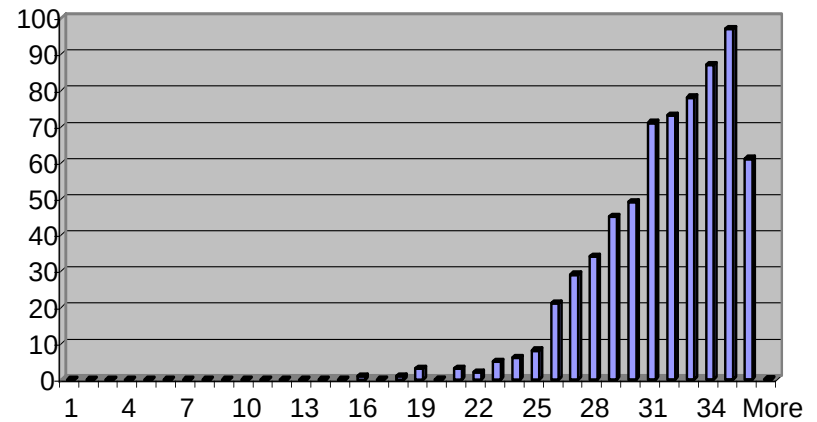


ACT Composite scores of entering freshmen



31 = 98th percentile

ACT Math scores of entering freshmen

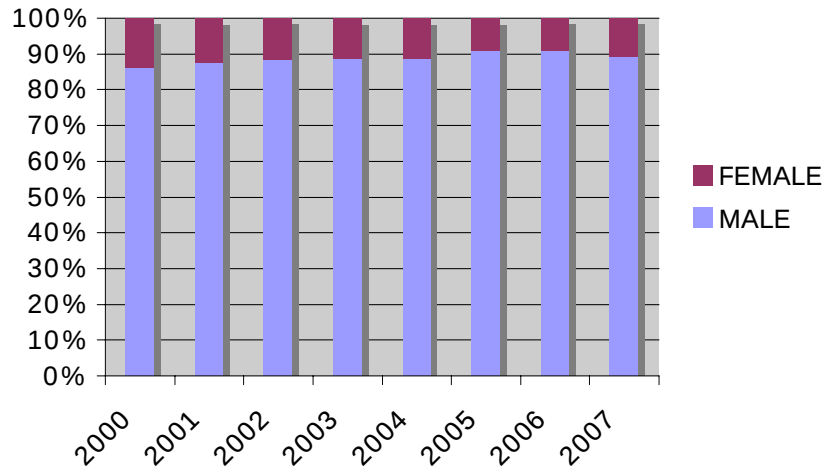


32 = 99th percentile

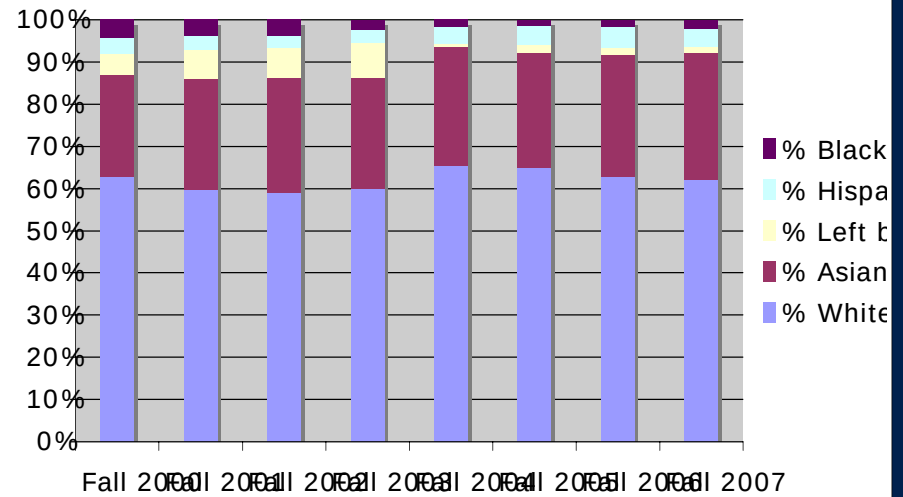




Enrollment by Gender



Enrollments

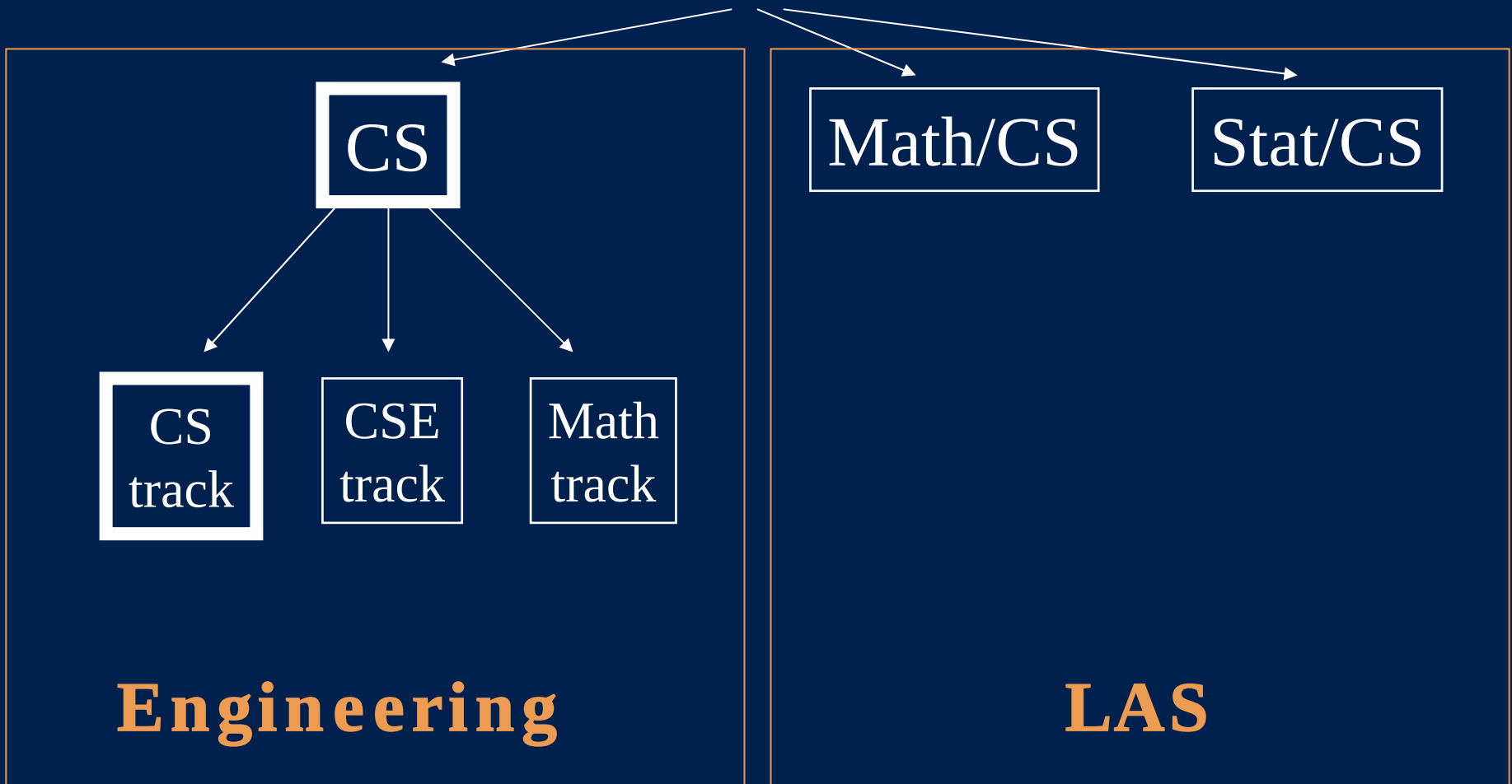


Outline





Undergraduate Programs





B.S. in C.S. (128 hours)

- **General Education** (22)
- **Science:** physics (10), chemistry (4)
- **Math** (21): calc, linear alg, num methods, prob/stat
- **Theory** (9): discrete math, automata, algorithms
- **Arch** (6): digital logic/ckts, machine org/assembly prog
- **Software** (17): CS 1, CS 2, sys prog, prog studio,
prog lang/compilers
- **Electives** (12) incl 6 hrs in choice “*specialization*”
(e.g. AI, database, HCI, security, graphics)
- **Ethics** (2)
- **Capstone** (6) sr project / software egr / sr thesis



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- Pedagogy
- Independent studies
- Undergraduate research
- Student “TA”s
- EOH projects



Women in Computer Science



Latino/a Club

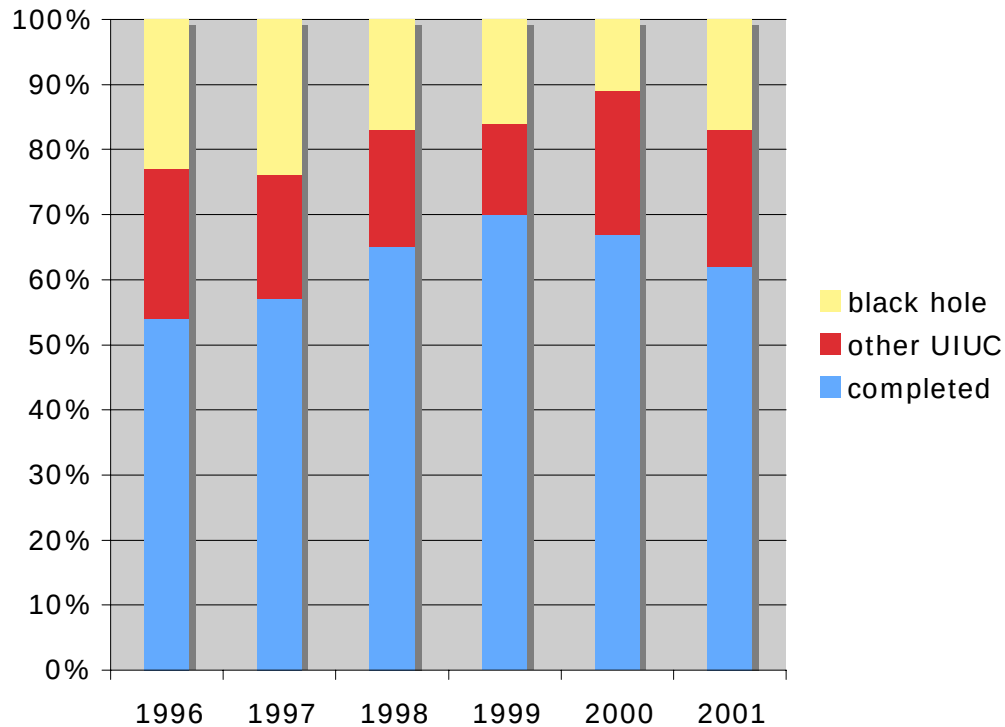


Outline

→ $f(x)$



$f(x)$



Typical story:

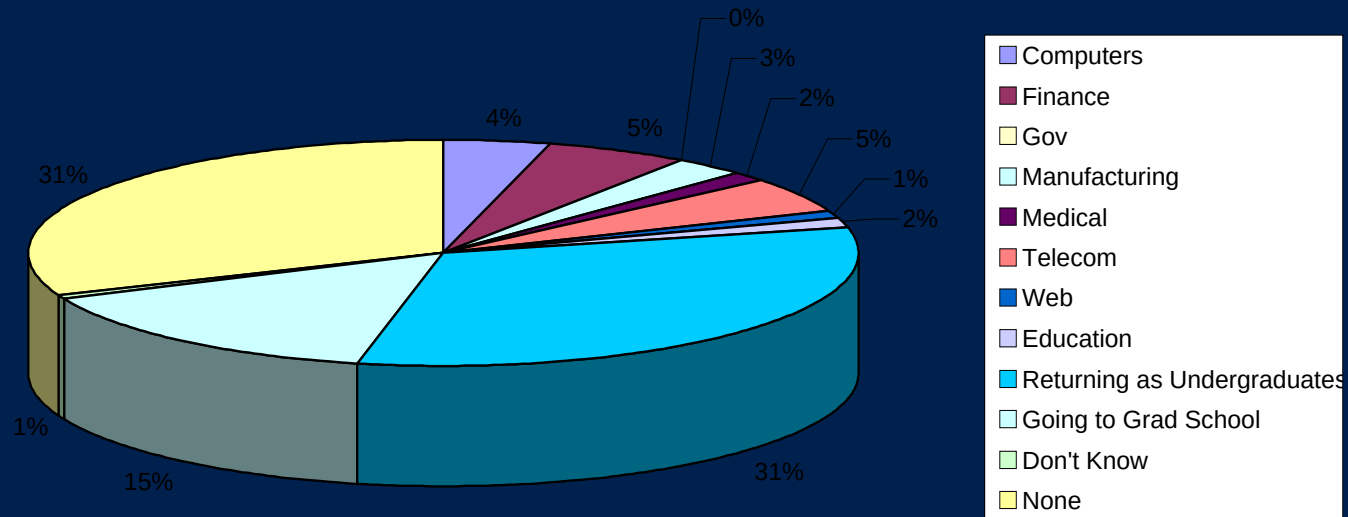
- 10-20% lost from UIUC
- 20% to different major
- 60-70% completion
- female retention worse;
getting better



$f(x)$

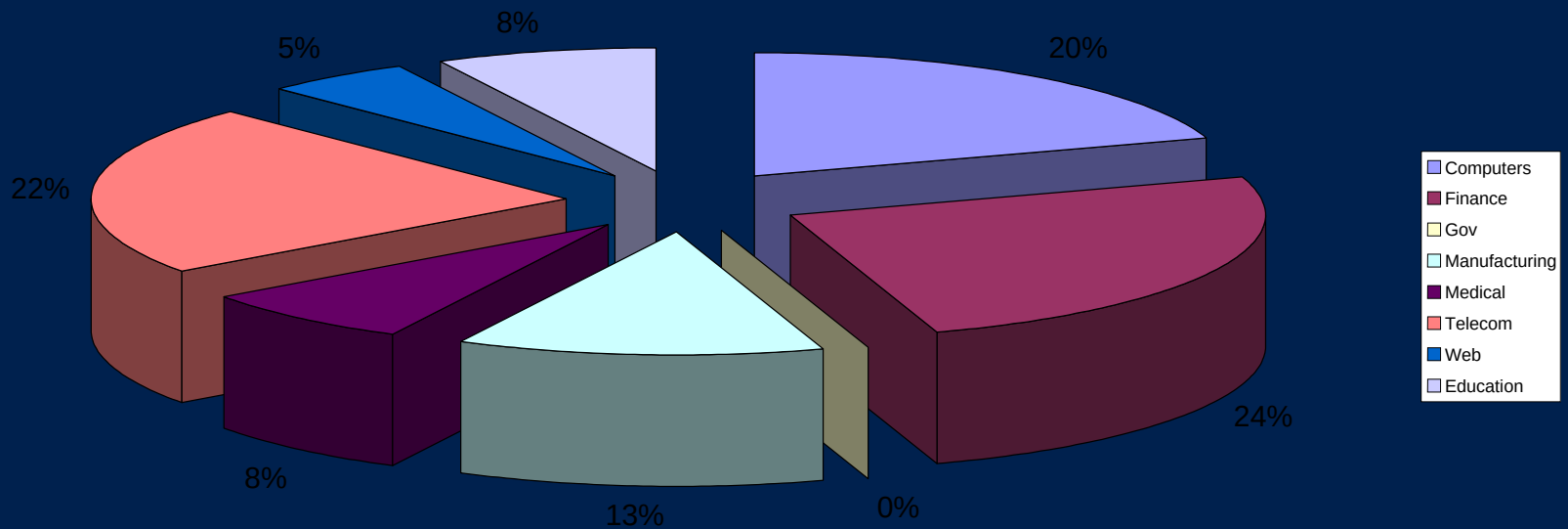
15% of seniors going to grad school

31% going to ugrad school !??



$f(x)$

Distribution of hired grads by industry



$f(x)$

- Highest avg salary in CoE
- 10K more than NACE

CS Grads Top in 06-07 Starting Salary Report

By Matt Spartz

The 2006-2007 Engineering Employment Summary shows that Computer Science majors at the University of Illinois at Urbana-Champaign come out on top.

The starting salary for people with a bachelor's degree in CS ranges from \$30,000 to \$92,500, with an average of \$63,080. This is over \$10,000 more than the National Association of Colleges and Employers average, according to the report.



Outline

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Undergraduate Programs

CS

CS
track

CSE
track

Math
track

Bio
track

HCI
track

Media
track

???
track

Engineering

Math/CS

Stat/CS

Bio/CS

Psych/CS

Geo/CS

X/CS

LAS



EOF



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