Booming Enrollments, Profiles & Motivations: CS+X @ ILLINOIS

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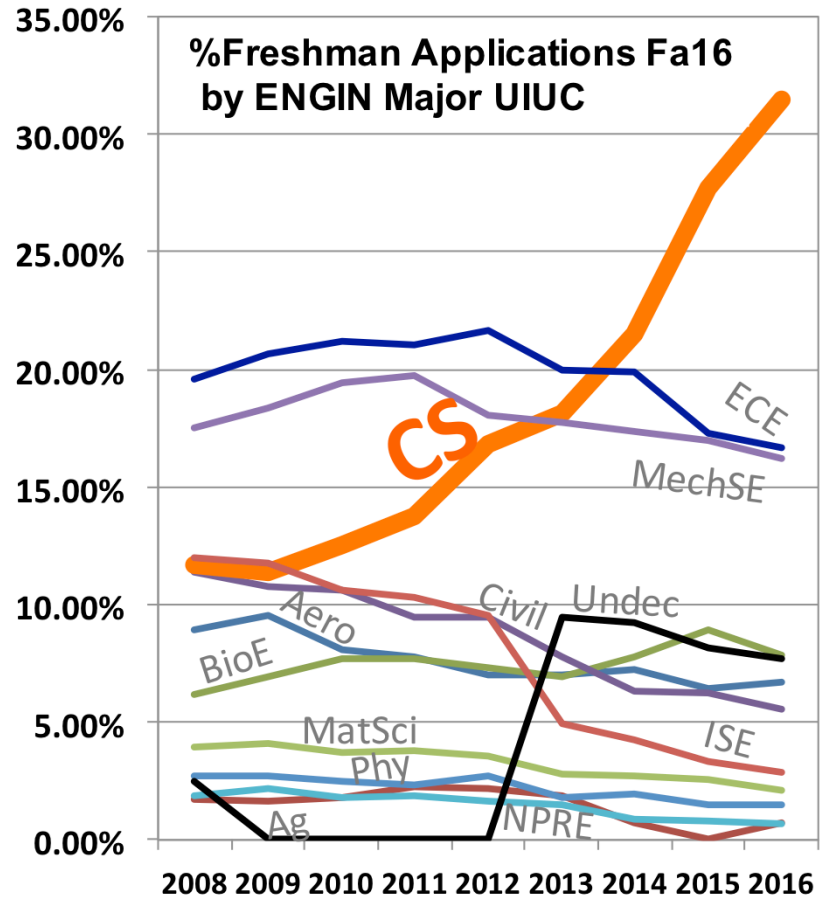
ILLINOIS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Yes, They Are Coming In Front Door…

- **At Illinois, this is the CS major in Engineering**



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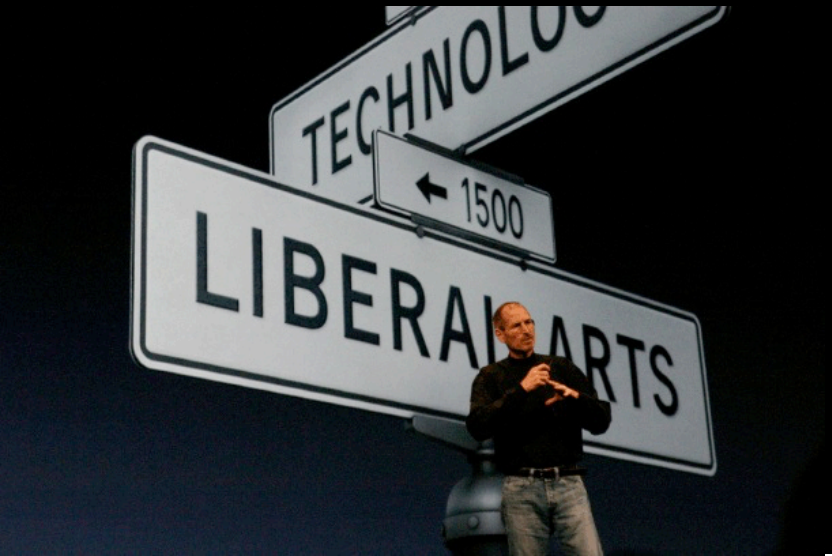
But Can We Build ***Other*** Doors…?

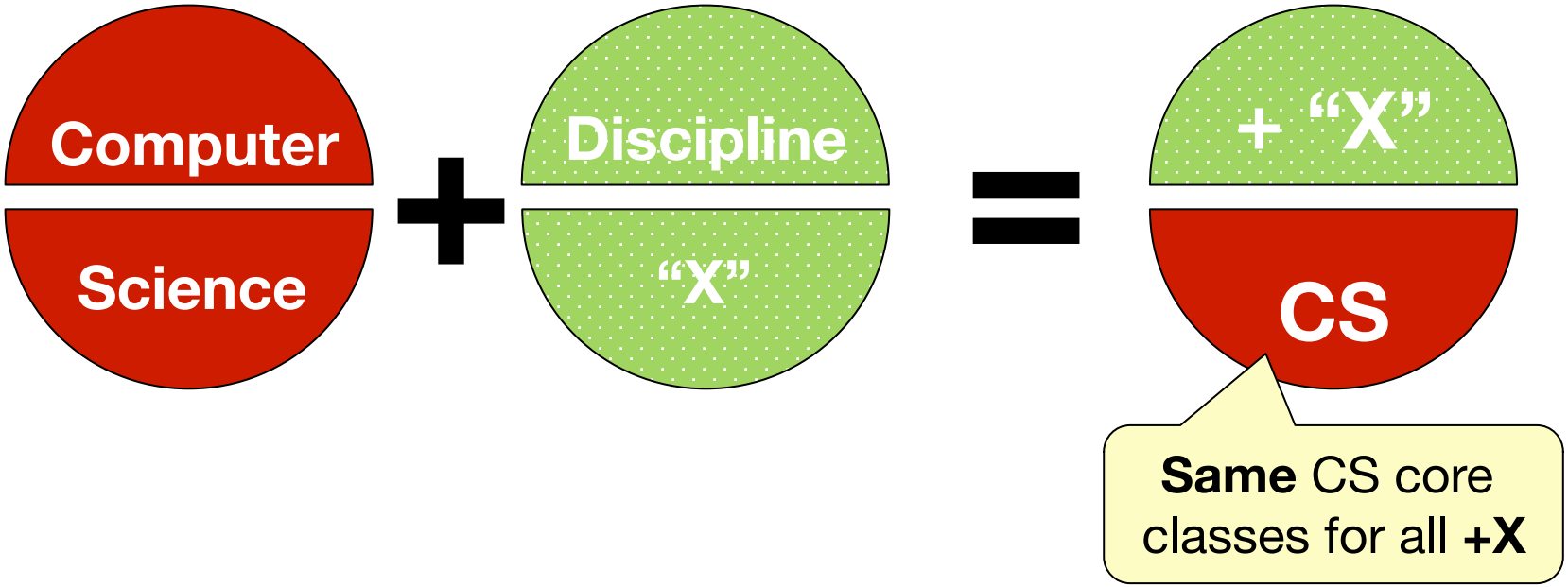
"It's technology married with liberal arts, married with the humanities, that yields the results that make our heart sing."

Steve Jobs



Illinois **CS+X** Degrees

- **They are *not*: Minor in CS/X. Dual degree.**
- **They are: CS(1/2) + X(1/2)= Bachelors Degree in X**



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Illinois **CS+X:** Portfolio

CS+Math

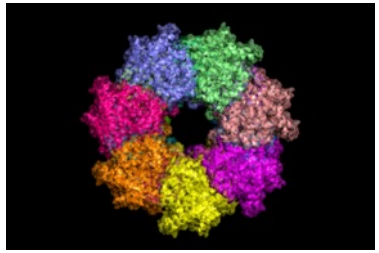
CS+Statistics

Legacy degrees, decades old

CS+Anthropology

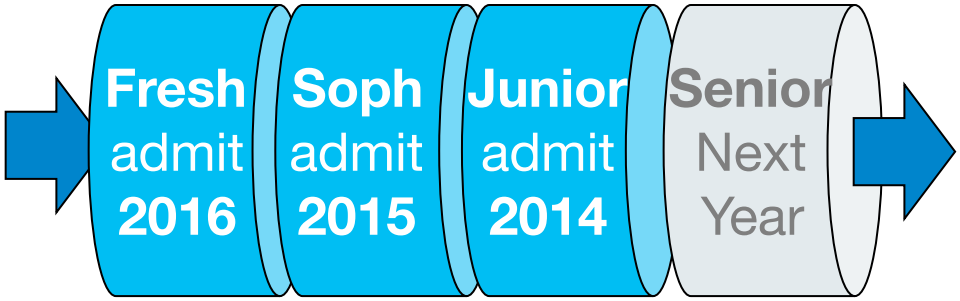
CS+Astronomy

CS+Chemistry



CS+Linguistics

Design started in 2010, approved 2013, admits 2014



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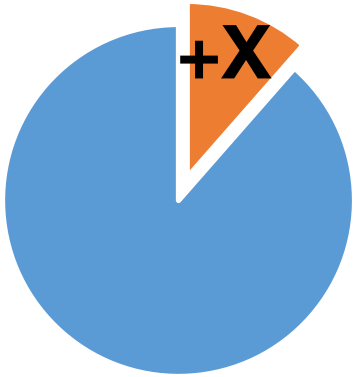
Illinois **CS+X:** Traction

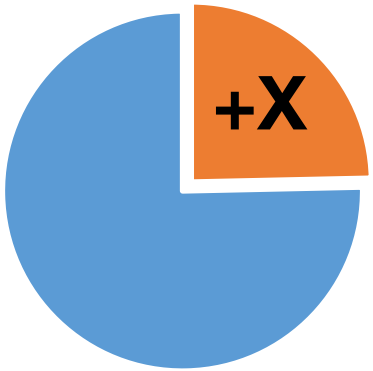
Anthropology



~11%

Of students

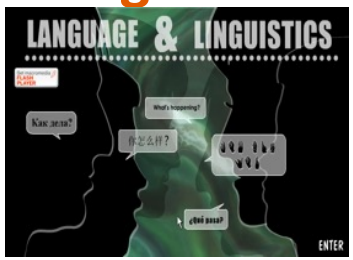
Astronomy

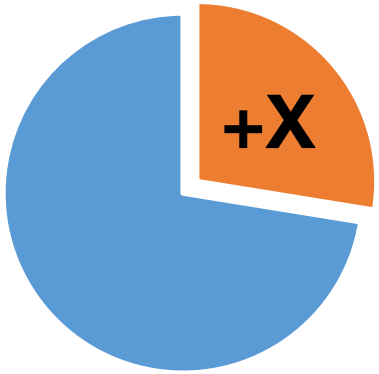


~25%

Of students

Linguistics

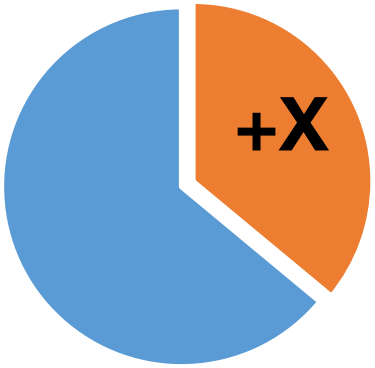




~28%

Of students

Statistics



~36%

Of students

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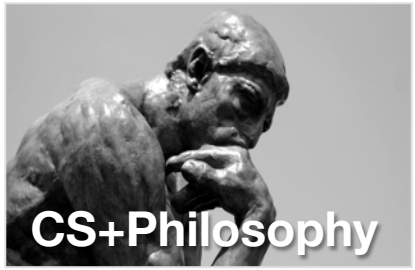
Illinois **CS+X**….

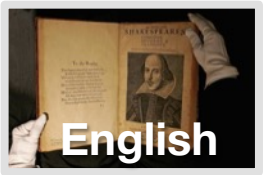
Illinois **CS+X**: Rising Popularity

- **Dramatic surge of interest "to be next X"**
- **Likely pivoting toward more {CS+DataSci}+X**

Next 3 X's



In discussion



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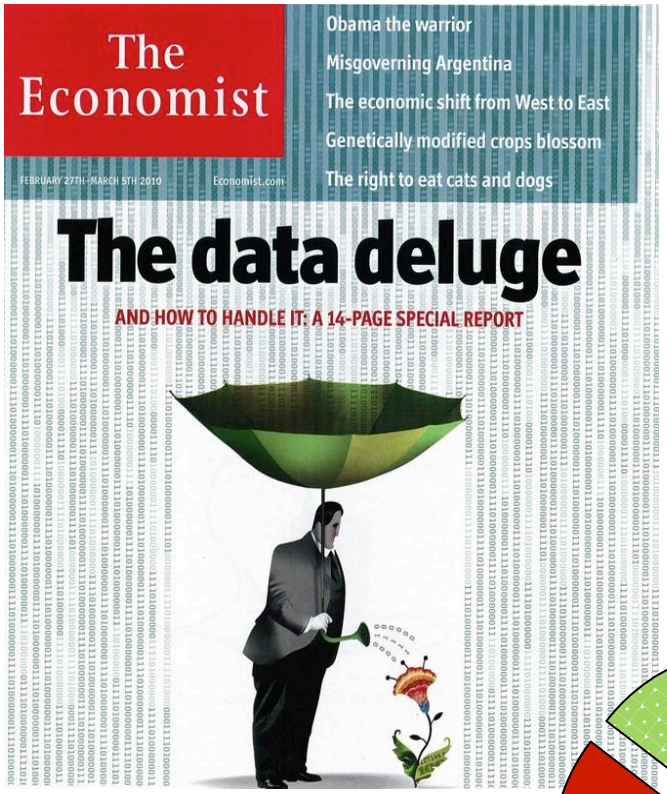
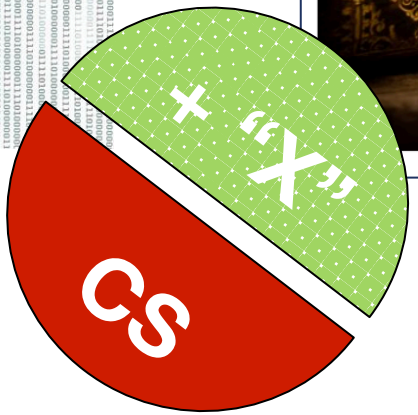
Illinois **CS+X**: Why?

Positive pressure



Negative pressure

http://www.theatlantic.com/education/archive/2014/06/the-morbid-fascination-with-the-death-of-the-humanities/372216/



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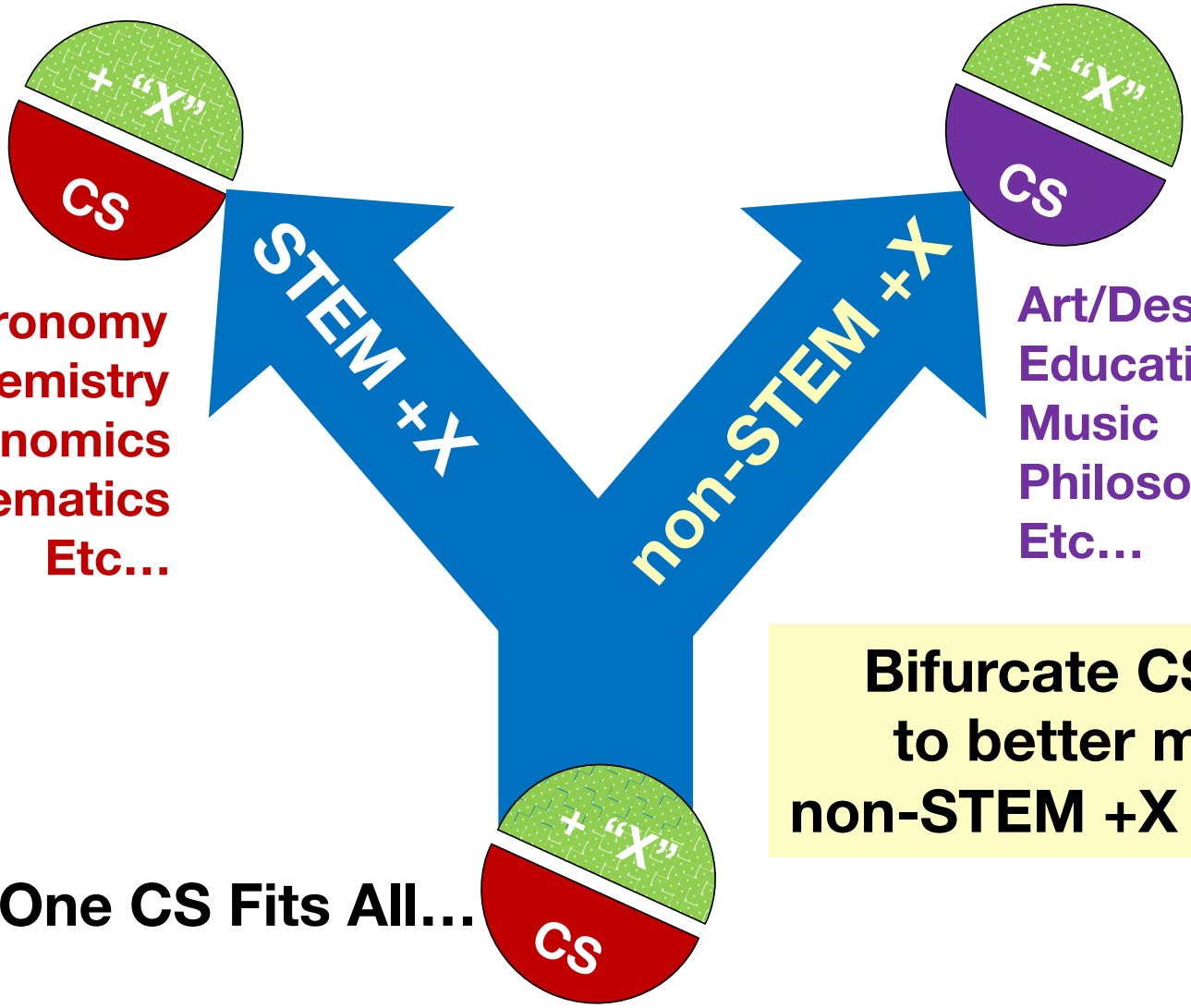
Illinois **CS+X**: Next…



Astronomy
Chemistry
Economics
Mathematics
Etc…

Art/Design
Education
Music
Philosophy
Etc…

Bifurcate CS core to better match non-STEM +X partners

One CS Fits All…

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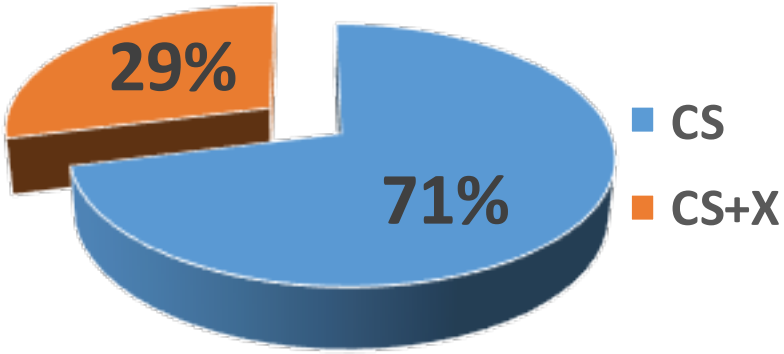
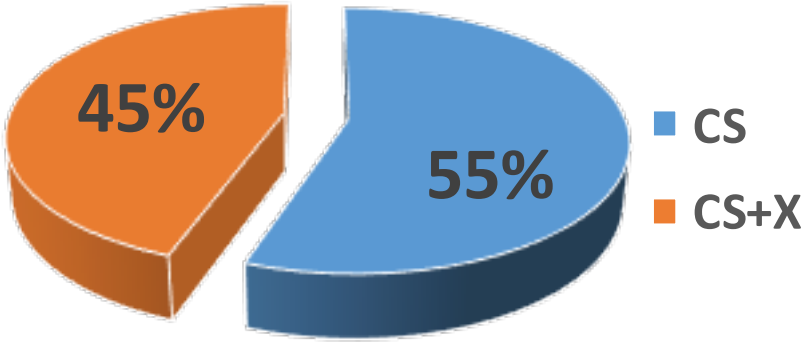
Illinois **CS+X**: Today's Numbers

- **CS+X approaching 30% of all CS**
- **CS+X approaching 50% of admitted Freshman '16 class**
- **CS+X new degrees now 28% female**



Total CS Enrollment



Freshman 2016 Enrollment

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