Gaining Insights Into The Effects
Of Culturally Responsive
Curriculum On Historically
Underrepresented Students' Desire
For Computer Science

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Research Methods

- 1 A lack of presence of CS in K-12 education.
- 2 The under-production of post-secondary degrees in CS.
- 3 The underrepresentation of women in CS.
- 4 The underrepresentation of ethnic minorities in CS.
- 5 A lack of positive CS role models in the media.

Three pathways into CS at UC Berkeley

- CS3: Introduction to Symbolic Programming.
- CS61A: Structure and Interpretation of Computer Programs.
- CS61AS: Self paced version of CS61A

In her study of attrition in undergraduate CS at Berkeley, Lewis found that female students were disproportionately weeded out of the track, often starting at CS3

Lewis: EECS-2010-132

Three pathways into CS at UC Berkeley

- CS10: The Beauty and Joy of Computing.
- CS61A: Structure and Interpretation of Computer Programs.
- CS61AS: Self paced version of CS61A

Dimensions of Participant's CS Interest

atcs	Attitudes about CS competency.
atcsgender	Attitudes about the role of gender in (
atct	Understanding of computational thinking
blg	Sense of belonging in the CS classroom
clet	Attitudes about social implications and
cltrcmp	Understanding around cultural competend
mtr	Access to CS Mentors.
prcs	Pre-Collegiate CS awareness.

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