Who can teach CS when it's a core academic subject?

When computer science fulfills A-G graduation requirements, a secondary teacher with a credential in math, business, or industrial technology education can teach computer science in California. Single subject credentials in other subject areas can also include a supplementary authorization in math or computer science.

Implement Guidance at Riverside, UC San Diego, UC Berkeley, and UC Los Angeles. More programs available across CA, including SF State, UC Berkeley. There are various CS Supplementary Authorization levels for courses (20 semester units/10 upper division teaching credential can add on the Computer Science field). Any non-CTE/ICT teacher with a single or multiple subject credentials can teach on the Computer Science Supplementary Authorization by taking additional college-level courses (no semester units/upper division semester units indicating:

- computational thinking
- computer programming
- computer information services
- impacts of computing (e.g., social, ethical legal)

There are various CS Supplementary Authorization Programs available at California State Universities, UC Berkeley, UC San Diego, UC Berkeley, and UCSD. A more complete list of CS supplementary authorizations can be found in the California Equity Implementation Guide at californiaeau.org

Who else can teach CS?

In addition to ensuring teachers have CS credentials, professional development opportunities are needed to help build the capacity of all teachers to teach computer science. This PD should be ongoing, and not a one-time event. Learn about PD opportunities at pd.cscforca.org.

Professional Development

Unravel learning is an approach that integrates college and career preparation. High-quality computer science pedagogy prepares students for college, careers, and community engagement and is offered to students regardless of postgraduate pathways.

Currently, a course needs to be coded at the CDE with either a CTE course code or an A-G course code which affects the teacher credential required to teach it.

We believe California should prioritize dual course credit in Computer Science to increase teacher capacity and expand offerings to all students.

CS should be both A-G and CTE

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Who else should be able to teach CS?

As Computer Science gets further integrated in the Next Generation Science Standards, new opportunities exist for teachers of science, technology, engineering, and math (STEM) teachers. CSfCA efforts to recruit, build capacity, retain, and develop a robust California teacher workforce to teach computer science.

Hiring Teachers of Color

Teachers of color can provide unique connections to students who would not otherwise see themselves in STEM fields. CSfCA works with CS for All, a national organization that supports efforts to recruit, build capacity, retain, and develop a robust California teacher workforce to teach computer science.

Who can change the future?

All stakeholders — both local and statewide — need to work together to develop solutions that improve equitable opportunities for teaching and learning computer science education.

Form more information and to help broaden participation in computing, visit CSfCA.org.