

**Kristin Calderone**  
**Harvard Strategic Data Fellow**



Kristin Calderone is a Consultant in Teacher Preparation at the California Commission on Teacher Credentialing (CTC) and a 2025 Fellow of the Strategic Data Project out of the Center for Education Policy Research at Harvard University. She earned a Master of Science in Educational Psychology with a concentration in Data Science at Indiana University where she designed and taught a new programming course as part of an initiative to better support diverse students in Computer Science and other STEM fields. Her academic research interests include social-emotional development, critical thinking, and systems thinking. During her undergraduate studies, Kristin served as an AVID Tutor at a large urban high school in Florida for two years.

Since joining CTC in August 2023, Kristin supports the Commission's various reporting efforts via data validation, analysis, and visualization. As part of CTC's partnership with the Strategic Data Project fellowship, Kristin will lead efforts to identify and plug leaks in California's educator pipeline and strengthen the preparation and retention of diverse teacher candidates.



# **The California Commission on Teacher Credentialing + The California Cradle-to-Career Data System**

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# Agenda

1. Overview of CTC's data contribution to C2C
2. CTC's public dashboards – three examples
  - a) Educator Supply
  - b) Approved Institutions and Programs
  - c) Assignment Monitoring
3. CTC's support to educator preparation programs (EPPs) via the Accreditation Data System

# CTC's data contribution to Cradle-to-Caree r

Submitted November 2023

10 years of teacher credential data (four million+ rows) including:

- First-time credentials, renewals, and revocations
- Authorizations: subject matter, grade level, EL, bilingual, etc.
- Status: clear credential, emergency permits, waivers
- Preparing institution

# CTC's public dashboards: Educator Supply

Updated annually and includes:

- New teaching credentials issued by type
- Interns, permits, and waivers
- Bilingual & English learner authorizations
- Services credentials (administrator, nurse, Speech-Language, etc.)

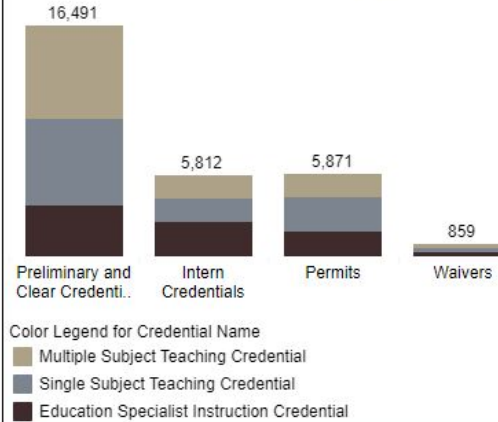
[Link to Educator Supply](#)

## Statewide Snapshots

### New Teaching Documents Issued in 2021-22

This figure displays the number of new credentials, permits and waivers issued for the most recent year. Preliminary and Clear credentials were recommended by Commission-approved institutions or were issued to out-of-state/country individuals. Intern credentials were recommended by Commission-approved intern programs. Permits and waivers were issued based on requests by school employers to fulfill a staffing need.

Click the figure for the View Data table or hover over the tooltip for additional details. Highlight data points by clicking the color legend.

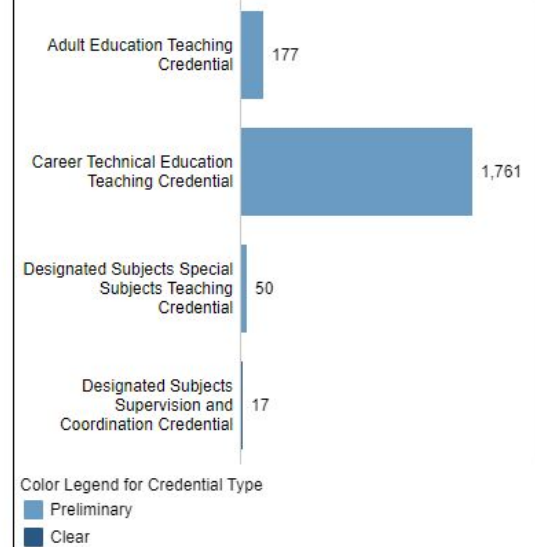


[VIEW MORE...](#)

### New Designated Subjects Teaching Credentials Issued in 2021-22

This figure displays the number of initially issued designated subjects teaching credentials in the most recent year.

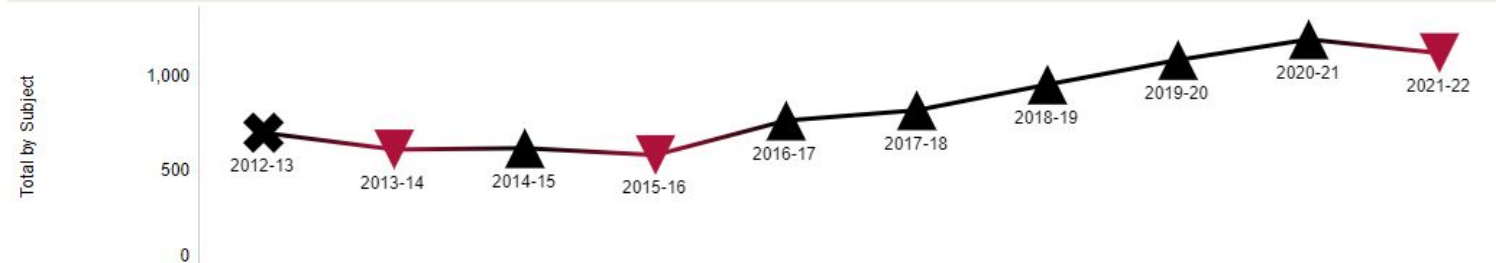
Click the figure for the View Data table or hover over the tooltip for the total by credential type. Highlight data points by clicking the color legend.



### Trend of Bilingual Authorizations Issued

The figure below displays the trend of bilingual authorizations issued. The color legend displays the range of percent change across the years, specifically indicating the black color as an increase and the red color as a decrease from the prior year. The shape legend indicates the increase, decrease and no change from the prior year. Use the shape legend to highlight, keep only and exclude data points in the figure. To undo or revert selections, use the toolbar below the figure.

Click the figure for the View Data table or hover over the tooltip for the percent change from prior year.

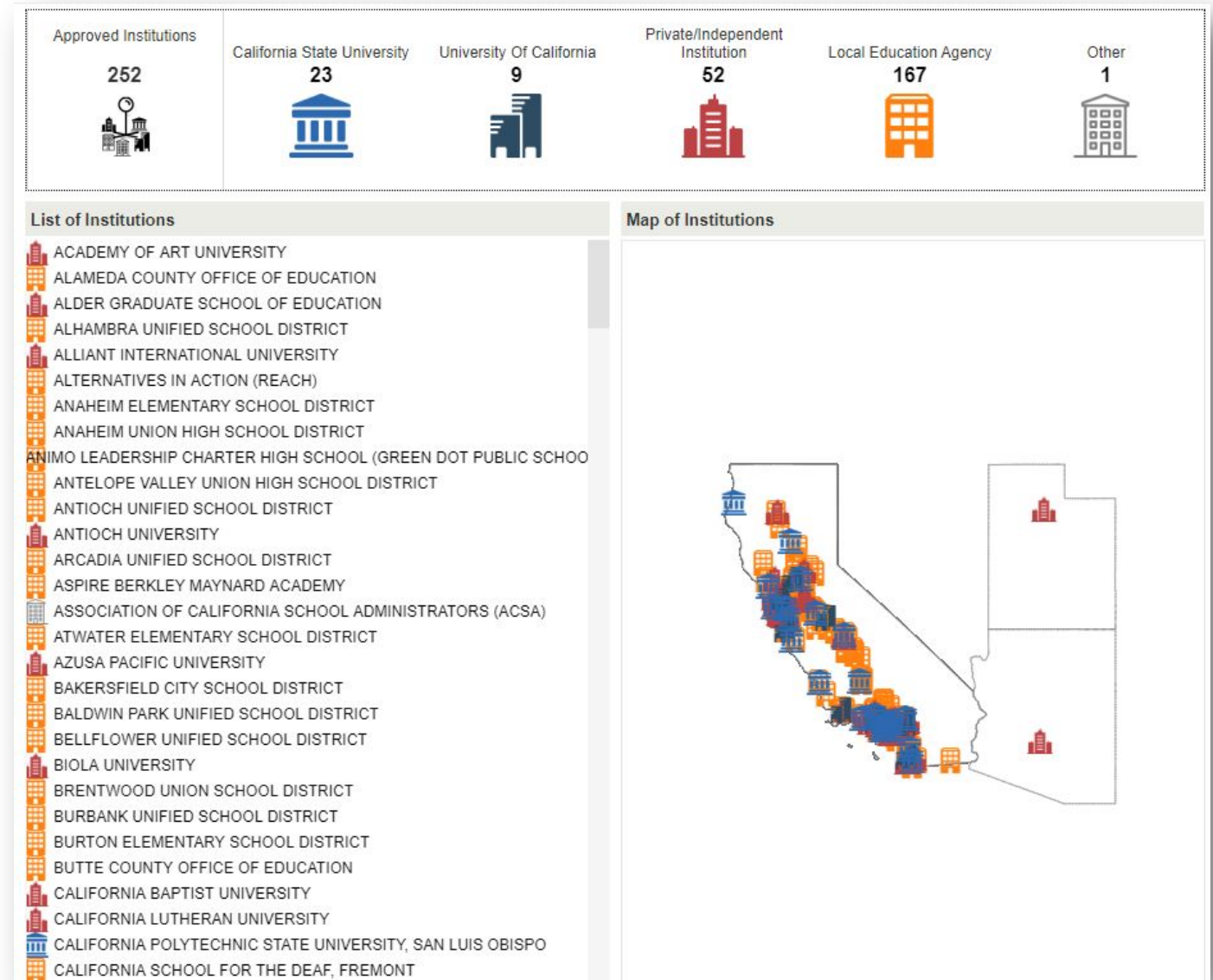


# CTC's public dashboards: Approved Institutions and Programs

Updated daily and includes filterable lists of Educator Prep and Subject Matter Prep Programs based on:

- Credential offerings
- Pathway (student teaching vs. intern)
- Segment (CSU, UC, private universities, local education agencies)
- Accreditation status
- Location

[Link to Approved Institutions and Programs](#)



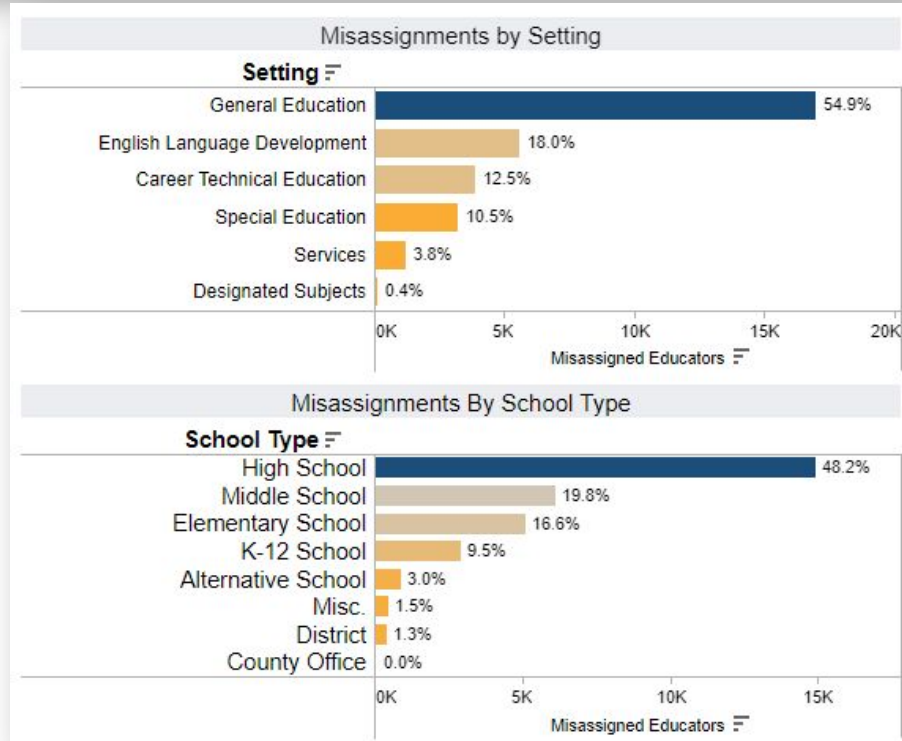
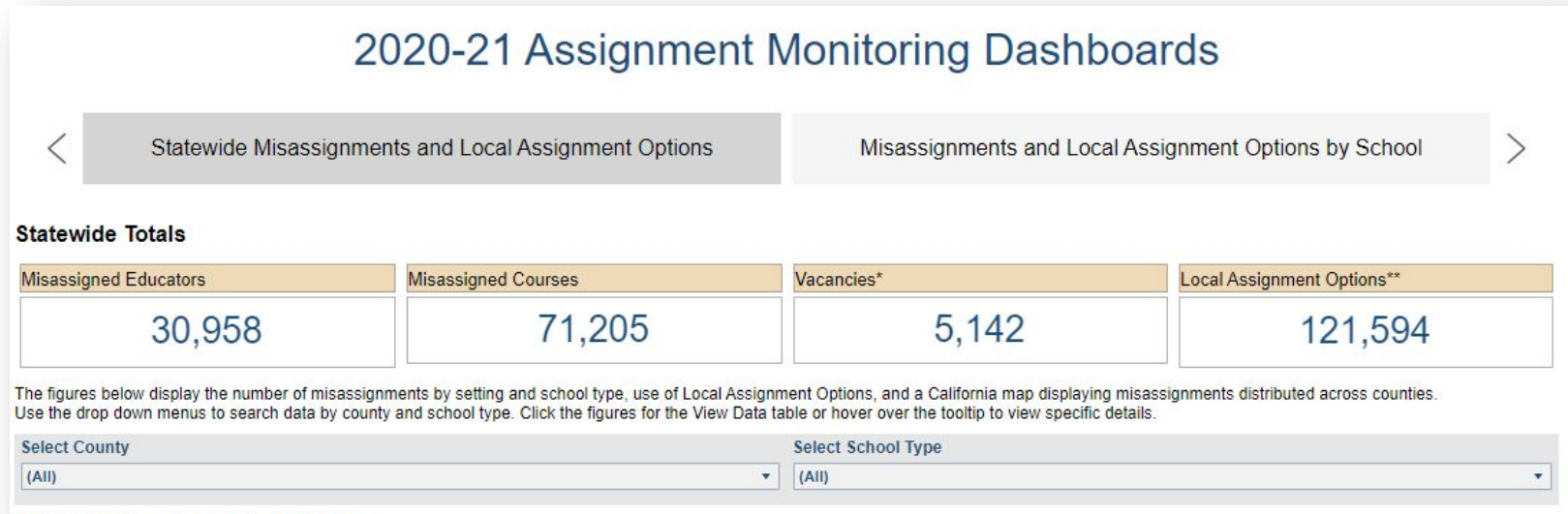


# CTC's public dashboards: Assignment Monitoring

Updated annually and includes:

- Statewide misassigned educators, courses, and vacancies
- Filterable lists of misassignments by county, district, school, and school type

[Link to Assignment Monitoring](#)



# Accreditation and program support

(Public-secure site)









The **Accreditation Data System** designed by Professional Services Division staff:

- Fully interactive shared data environment with every approved California institution covering thousands of data points and customizable user access settings
- Organizes and visualizes data from:
  - State and federally mandated reporting
  - Exams and performance assessments
  - Surveys
  - Accreditation histories

**Azusa Pacific University**

This page provides a central location of where institution information and data can be accessed via the Accreditation Data Dashboard (ADD). The accreditation system is implemented to collect and provide reliable candidate and program data from a variety of sources that can be used to efficiently conduct a comprehensive institution and program review by identifying poorly performing programs and those with exemplary practices and outcomes. Additional information such as an institution's contact, annual data reports and accreditation links to activity documents are collected and provided by the institution.

Click the icons below to navigate to a section.

 Overview    About Institution    Approved Programs    Annual Data & Analysis    **Annual Report Card**    Assessments    Surveys    Credentials

Pursuant to the Title II of the Higher Education Opportunity Act (HEOA) that calls for accountability of programs that prepare teachers, Commission-approved institutions are federally mandated to report specific information about their teaching programs. Teaching programs include the preliminary Multiple Subject Teaching Credential, Single Subject Teaching Credential, and the Education Specialist Instruction Credential. Title II data are collected from academic year September 1 to August 31 annually. Select Academic Year  
2021-22

Click a tab below to navigate to different sections of the annual report card. To reselect an academic year, use the drop down menu located on the right.

**Program, Admission and Context**   **Candidate Information**   **Goals, Assurances, Tech and Training**   **Teacher Certification Examinations**

This section provides information about the institution's accreditation, teacher preparation program, admission requirements and contextual information. Information is provided by program route: Traditional, Alternative, IHE-based and Alternative, not IHE-based.

**Accredited By:**  
Commission on Teacher Credentialing  
Other Accreditation

**Program Information**

The table below lists the teaching programs submitted by the institution in 2021-22. Teaching programs are self-reported by the institution.

	Traditional	Alternative, IHE-based
1. Elementary Education		Elementary Education
2. Special Education		Special Education



# CTC's continuing data partnerships

Cradle-to-Career

Strategic Data Project

California Department of Education

Learning Policy Institute

Gates Foundation

Educator Quality Center

## Current data priorities

- Identify and plug leaks (attrition) in the teacher pipeline
- Increase supports for candidates of color
- Connect preparation data to employment data through collaboration with partners to measure outcomes