



Mira Costa College



California
Community
Colleges

CCC Data

AT A **GLANCE**

CCC Data: Supporting Equity and Excellence

Systemwide services generate a large volume of actionable data that can be leveraged to improve student outcomes and facilitate institutional improvement. CCC Data connects these data sources to support research, enable data-informed decision making, and help colleges deliver more personalized experiences for students in alignment with statewide strategic initiatives.

Traditionally, application data is “siloes” within application databases and at individual colleges. CCC Data was developed to bring these datasets together so they can be used for systemwide analytics that ultimately support student success.

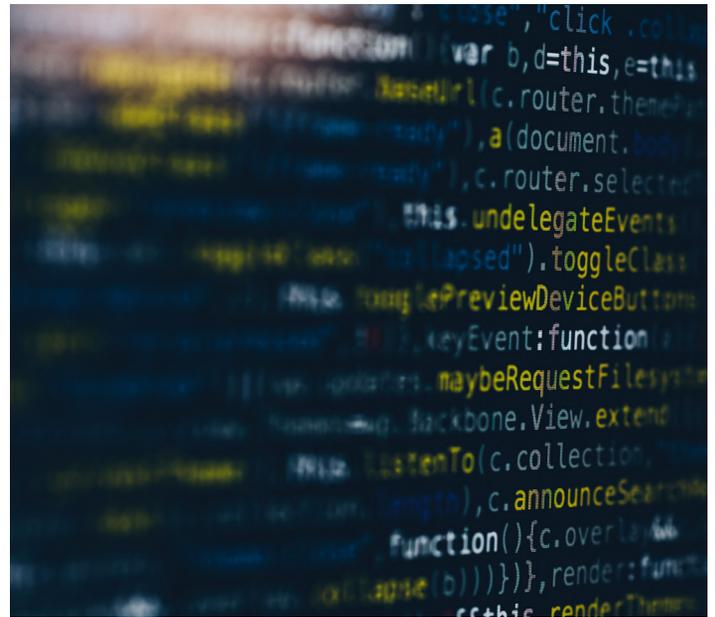
CCC Data aggregates data from services including but not limited to CCCApply, CCC MyPath, Multiple Measures Placement Service, Canvas, COCI, and C-ID with more data sets coming soon.

CCC Data also includes the Student Journey dataset, which integrates CCCApply application data with CO-MIS enrollment and outcomes data to support deeper analysis of student pathways across the California Community Colleges system. Using standardized data models, the dataset aligns information across multiple sources.

The Student Journey dataset supports visualizations and analytical tools that allow researchers and colleges to examine how students progress from application through enrollment, course participation, and completion, helping identify patterns, trends, and opportunities to improve student success initiatives. These visualizations and analytical models support deeper exploration of student pathways, enrollment behavior, and outcomes across multiple colleges and time periods.

Colleges and districts may access data to generate reports, answer questions about enrollment and completions, and identify trends that may inform student success programs. Developing personalized guidance that helps students along their educational journeys is one example of how data may support student success.

Colleges may also integrate CCC Data with their own local data warehouses, enabling institutions to combine systemwide datasets with institutional data for expanded analysis. The CCC Data Warehouse supports direct connections from business intelligence tools, allowing colleges to query and visualize data within their own analytical environments.



CCC Data is an Amazon Web Services (AWS) cloud-based solution that consists of:

- **Data Lake** – Stores source data used to populate the data warehouse. The data lake supports data ingestion, auditing, and processing, but is not directly accessible by colleges.
- **Data Warehouse** – A structured analytical environment that provides curated systemwide datasets for reporting, research, and visualization.
- **Reporting** - Colleges can access the Data Warehouse through the Data Warehouse Report Server or by connecting business intelligence tools such as Tableau or Power BI. Authorized users may also connect directly for SQL-based analysis.

Contact Us

For more information about CCC Data and the ways it can benefit your college, please send a query to cems@ccctechcenter.org.



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