Artificial Intelligence Workplan

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INTRODUCTION

Generative Artificial Intelligence (GenAI) and other AI technologies are rapidly transforming higher education. For California community colleges, AI presents significant opportunities: enhancing student learning, extending faculty and staff capacity, and modernizing administrative operations. At the same time, AI introduces new challenges, including potential bias, equity gaps, privacy concerns, and recognizing deep fakes. As called for in Vision 2030, the Chancellor's Office is committed to leveraging AI to improve student success, advance equity, and strengthen institutional effectiveness, while guiding responsible and ethical implementation across the system.

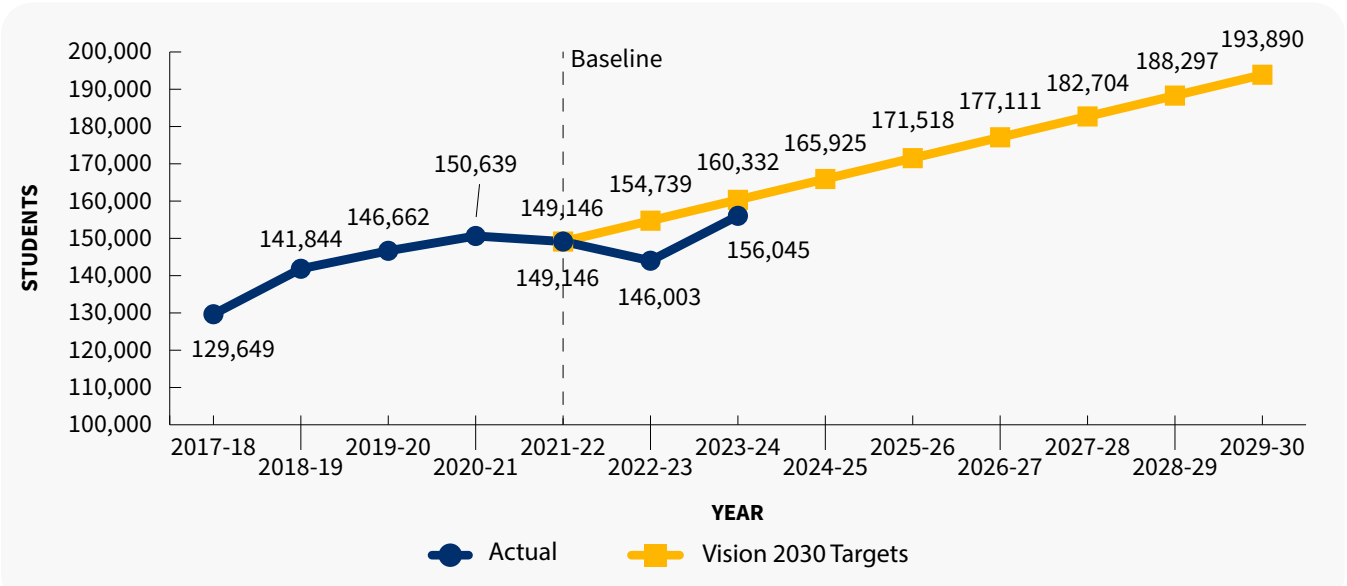
This Vision 2030: Artificial Intelligence Workplan consists of six activities to responsibly integrate artificial intelligence (AI) into the California community colleges, driving Outcomes 2, 4, 5 and 6, as well as Action 12 under Strategic Direction 3: Generative AI and the Future of Learning.

Outcome 2: Completion

Increase with equity the number of California community college students who complete a meaningful educational outcome.

> **Benchmark:** By 2030, increase with equity the number of California community college students completing a certificate, associate degree, or baccalaureate degree by 30%.

Outcome 2: Completion | Overall

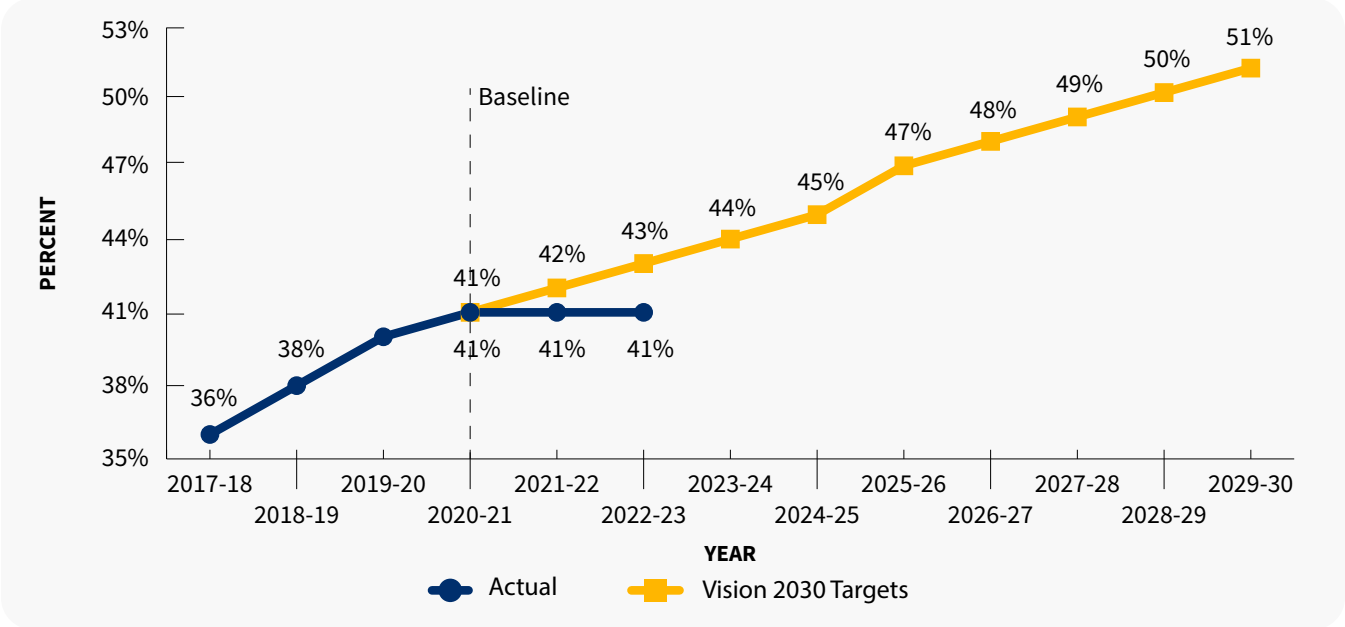


Outcome 4: Workforce

Increase with equity the number of California community college students who earn a living wage.

Benchmark: By 2030, increase with equity the percentage of California community college students who earn a living wage for their region after exiting higher education by 10 percentage points.

Outcome 4: Workforce | Overall

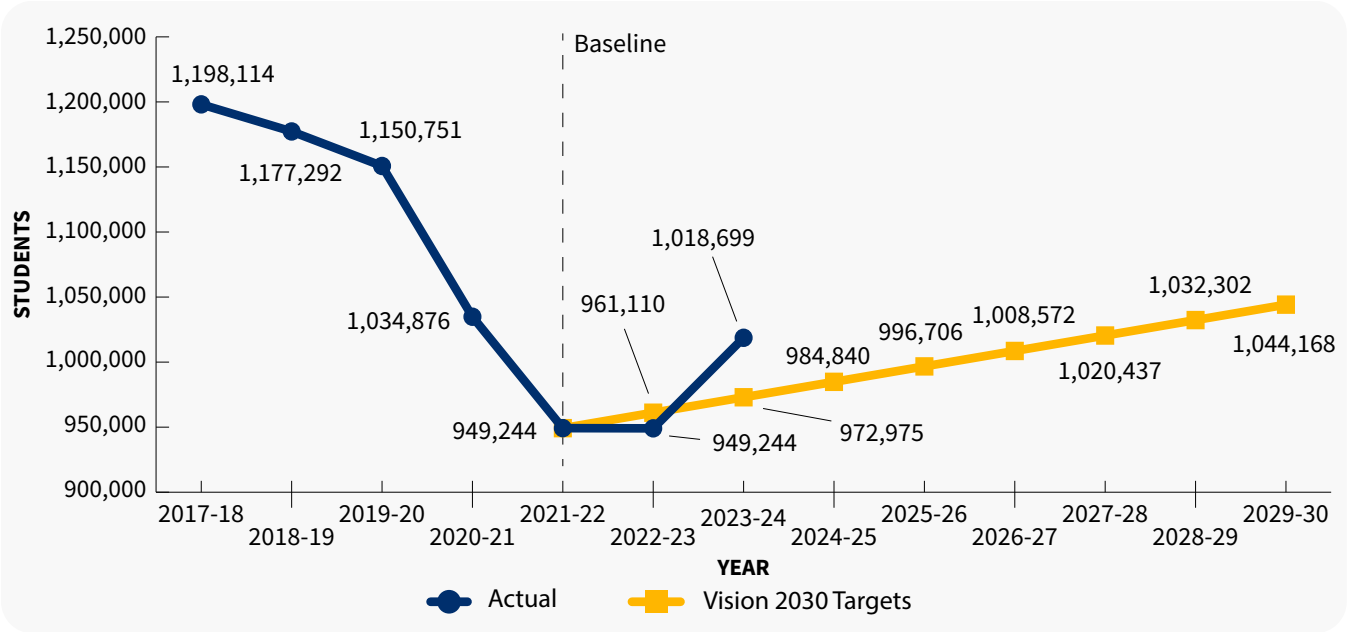


Outcome 5: Maximization of Financial Aid

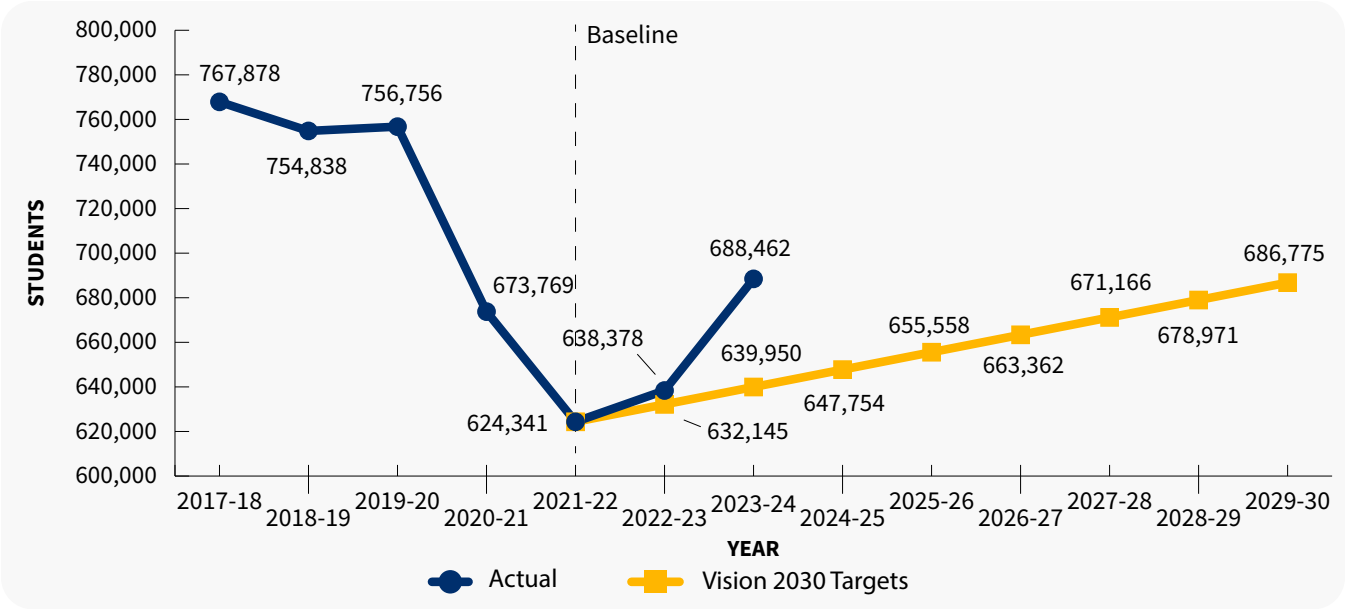
Increase with equity the number of California community college students receiving state and federal aid for which they are eligible to better support their educational journey.

Benchmark: By 2030, increase with equity the number of California community college students receiving Pell and California College Promise Grant by 10%.

Outcome 5: Maximization of Financial Aid | College Promise Grant/BOG Recipient



Pell Grant Recipient

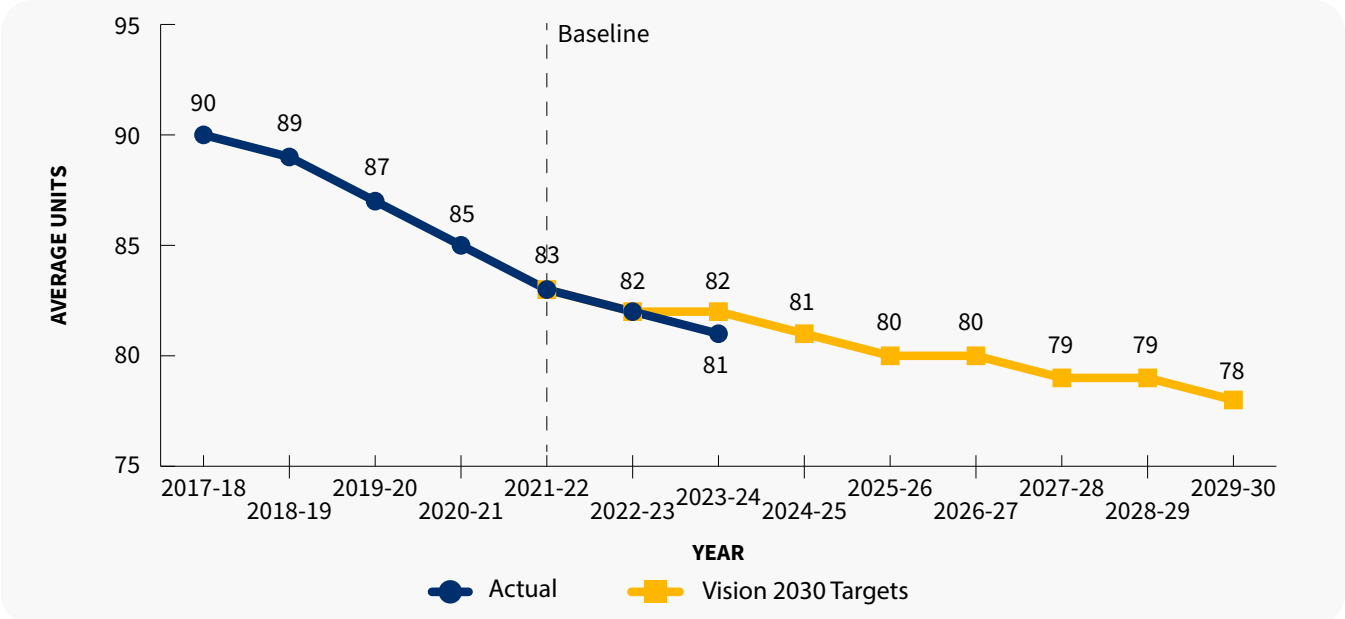


Outcome 6: Reduce units to completion

Decrease with equity the number of units in excess of 60 units for the Associate Degree for Transfer (ADT).

Benchmark: By 2030, reduce with equity the average number of units in excess of 60 units to complete students' first Associate Degree for Transfer by 20%.

Outcome 6: Reduce units to completion | Overall



Action 12: Actively engage with the impacts of generative artificial intelligence (GenAI) on the future of teaching and learning:

A. Center students in the development of this work;

B. Ensure all students, faculty, and staff have the fundamentals of GenAI literacy;

C. Leverage innovative data infrastructure, including the Common Cloud Data Platform to apply GenAI and other big data solutions to enhance our ability to provide students with timely, proactive support and guidance;

D. Modernize system infrastructure to support online education delivery, enhanced learning services, and faculty access to emergent technology;

E. Conduct analyses of the impact of GenAI technology and its potential implications for teaching and learning to inform necessary policy reform and system practices that will advance access, success, and support for our students.

ACTIVITY 1: RAPID AI DEPLOYMENT TO ELIMINATE ENROLLMENT FRAUD

Strengthen systemwide fraud detection and prevention for enrollment and financial aid using advanced AI tools across all California community colleges. This activity will include implementing robust identity verification tools and AI-based fraud detection mechanisms within the CCCApply college application portal and exploring statutory authority for a nominal application fee. These efforts will deter fraud and support review costs, with waivers for financial hardship.

Outcome: By strengthening systemwide fraud detection and prevention through rapid deployment and use of advanced AI tools this activity intentionally drives Outcome 5 by ensuring system-wide efficiency and security.

ACTIVITY 2: BUILD-OUT AI INFRASTRUCTURE

Establish **robust, secure, and equitable AI and data infrastructure** to support teaching, learning, and operations. Partner with advanced districts to promote rapid evaluation and, if appropriate, adoption of AI infrastructure. Key elements of this activity include a $10 million initial investment in the **Common Cloud Data Platform** (CCDP) to centralize data management systemwide, improve real-time analytics, student progress tracking, program mapping, and automated credit transfers. The CCDP will support tools such as **Program Pathways Mapper, eTranscripts, and CSU Transfer Planner.** The initial investment will be supplemented by an additional $12 million in funding for scaling. This activity also includes **training and fine-tuning a large language model (LLM**) using Chancellor's Office data to offer a real-time statewide **Chancellor's LLM-Dashboard** for actionable insights to the California community colleges. The LLM-powered Dashboard will ensure privacy and provide tailored support for staff and students. In addition, the Chancellor's Office will establish a **Data Governance Advisory Workgroup** (DGAW) to standardize data practices, enhance accessibility, and promote security. The DGAW will align with statewide initiatives for integrated, student-centered technology. The AI Infrastructure activity will be complemented by systemwide technology solutions piloted, evaluated, and scaled through the **Digital Center for Innovation, Transformation and Equity** (e.g., AI-driven tutoring, fraud detection, Credit for Prior Learning).

This activity also includes an investment in sustainable transformation and collaboration by creating and empowering a team of AI Fellows and advisors to help power the AI work plan and the achievement of Vision 2030 goals. This team will provide a bi-directional workflow, connected to both local initiatives across the state's regions and to larger statewide initiatives, promoting innovation, information sharing, and adoption of promising, proven, and powerful new technologies. This vector of influential practitioners will include student partnership integration that ensures authentic voice in AI evaluation and deployment decisions. This social

infrastructure ensures that the technical and social elements work synergistically to center community college values while enabling unprecedented organizational agility.

Outcome: This activity drives Action 12 parts a-e.

ACTIVITY 3: WORKFORCE PARTNERSHIPS FOR GENAI

Expand workforce readiness by making GenAI tools and training accessible to students and external partners, including small businesses. Source additional **partnerships with leading AI companies** to promote workforce readiness. This activity includes elements such as building on memoranda of understanding (MOUs) with Nvidia, Google, OpenAI, Microsoft, IBM, Intel and others to develop courses and resources to help businesses and organizations adopt GenAI, **fostering public-private partnerships and industry collaborations** to align curriculum with workforce needs, and **providing professional development** for faculty and classified professionals in AI, GenAI and other emerging technologies.

The California Community Colleges' massive scale creates unique opportunities for AI transformation. By supporting the role of regional consortia as hubs of innovation, they provide channels both for local distribution of resources that respond to specific workforce development needs as well as for maintaining system-wide strategic alignment. These partnerships build local community engagement and training that is tailored to the needs of each district and community. This approach enables experimentation across multiple economic contexts, with successful innovations rapidly scaling system-wide through knowledge sharing protocols. The model demonstrates how public institutions can achieve startup-speed transformation when properly organized around workforce needs and economic development imperatives.

Outcome: This activity drives Outcome 4 and Action 12 parts a, b, d, and e.

ACTIVITY 4: EVALUATE AI FOR TEACHING AND LEARNING

AI literacy is not confined to the science, technology, engineering, and mathematics (STEM) domains; it is important for all subjects and disciplines. This wide lens perspective of AI literacy as a foundational learning outcome ensures that students develop both the critical digital literacy competencies essential for navigating an AI-enhanced world as well as competency in the strengths and values of human intelligence, such as critical thinking, teamwork, and leadership.

The Chancellor's Office in partnership and collaboration with the California community colleges and system partners will:

- Enhance student learning and equity through AI-powered innovations that **improve course completion, academic performance, and transfer readiness;**
- Evaluate and prioritize **AI Use Cases;**
- Center **HUMANS-based principles** for engaging with AI;
- Propose, evaluate, and adopt **education technology solutions;**
- Implement pilot projects for technologies such as **tutoring platforms with personalized learning support, predictive analytics platform based on student performance to assist with early intervention, and standardized assessment frameworks** to measure impact on Vision 2030 indicators (i.e., completion, transfer, and equity gaps);
- Communicate detailed information regarding these pilot initiatives through **workshops with faculty on effective AI integration, best practices, and involving AI Fellows and Changemakers** in the proposal, evaluation, and scaling stages of additional pilots.

Outcome: This activity drives Outcome 2 and Action 12 parts a-e.

ACTIVITY 5: ACHIEVE PROOF OF CONCEPT FOR AI-ENHANCED STUDENT SUPPORT SERVICES

To enhance and build robust student support the Chancellor's Office will create and deploy **AI chatbots** to provide **real-time, personalized student support available 24-7**. This will increase student engagement, and leverage **predictive analytics** to tailor recommendations for individual students. This activity will build on the success of recent pilots such as Playlab.ai that enables faculty to **create custom bots and expand professional learning communities**, and the Nectir.ai pilot, which assists faculty in creating **embedded AI course assistants**. The Chancellor's Office will use the Digital Center's vendor vetting rubric to evaluate commercial tools/providers. This activity includes utilizing and expanding participation in the **CENIC AIR National Research Platform** for scalable AI infrastructure, enabling equitable access to advanced computing resources for research and student support. The Chancellor's Office will ensure all AI solutions adhere to the California Community Colleges **AI HUMANS Framework and Guiding Principles** prioritizing privacy, equity, transparency, and human-centered design.

Outcome: This activity drives Outcome 2, Outcome 6, and Action 12 parts a, c, and d.

ACTIVITY 6: ADVANCE AI POLICY AND FOSTER A CULTURE OF AI LITERACY

The Chancellor's Office is **expanding AI literacy and ethical AI practices** among faculty, staff, and students to ensure equitable and responsible integration by orchestrating a coordinated approach to deliver a wide range of learning opportunities to grow data and AI literacy across the California community colleges. Through **targeted workshops, discipline-specific guides, and assessment tools**, this effort will advance **professional development** and deliver **systemwide AI training** via the AI Council and the Vision Resource Center to effectively integrate AI into teaching and learning. This activity will include:

- Support for **communities of practice** and **peer mentorship** to promote safe and responsible AI use;
- Promote **AI literacy for all**;
- Develop and launch **student-facing AI curricula** mapped to institutional learning outcomes to ensure access across all 116 colleges;
- Address issues such as **privacy, bias, deep fakes, intellectual property,** and r**esponsible use;**
- Standardize **ethical guidelines for AI adoption** for students, classified professionals, administrators and faculty, **aligned** with the H**UMANS Framework and Guiding Principles** developed by the Chancellor's Office and the AI Council;
- Implement the **Developing AI Literacy Guidelines** document once formally approved by the Board of Governors;
- Leverage the **AI Fellows** and **Advisors** to support the work, drive innovation, and address emerging challenges, including climate and sustainability impacts.

Outcome: This activity drives Action 12 parts a-e.

CONCLUSION

The California community colleges are committed to responsibly leveraging AI to support the success of students, classified professionals, faculty, and administrators. By focusing on the strategic directions, goals, actions, and outcomes of Vision 2030, the Chancellor's Office aims to improve completion, efficiency, and security across the California Community Colleges system. This Vision 2030: Artificial Intelligence Workplan sets in motion a series of activities and collaborations designed to position the California community colleges to increase equitable access, success, and support for all students in pursuit of completing their higher education and in preparation for entering the workforce at a time when the digital landscape is rapidly evolving.

RESOURCES

Vision 2030 – The July 2025 Edition:
https://www.cccco.edu/-/media/CCCCO-Website/docs/vision2030/vision-2030-report.pdf

The Common Cloud Data Platform Demonstration Project:
https://www.cccco.edu/About-Us/Vision-2030/vision-2030-demonstration-projects

Program Pathways Mapper:
https://programmapper.org

Data Governance Advisory Work Group (DGAW):
https://www.cccco.edu/-/media/CCCCO-Website/docs/presentation-slides/dgaw-kick-off-meeting-november-2024-recap-accenture-a11y.pdf

Digital Center for Innovation, Transformation, and Equity:
https://www.cccco.edu/About-Us/Vision-2030/strategic-directions/GenAI-and-the-future-of-learning/digital-center-for-innovation-transformation-and-equity

Chancellor's AI Fellow's Program:
https://www.cccco.edu/About-Us/Vision-2030/strategic-directions/GenAI-and-the-future-of-learning/ai-fellows-program

CCCApply Portal:
https://home.cccapply.org/en/

Vision 2030: Transfer Workplan:
https://www.cccco.edu/-/media/CCCCO-Website/docs/vision2030/vision-2030-transfer-workplan.pdf

Corporation for Education Network Initiatives in California AI Resource (CENIC AIR):
https://cenic.org and https://cenic.org/blog/advancing-ai-for-californias-community-colleges-through-collaboration-across-the-cenic-membership

HUMANS Framework and Guiding Principles:
https://www.cccco.edu/About-Us/Vision-2030/strategic-directions/GenAI-and-the-future-of-learning#:~:text=The%20HUMANS%20Framework%20and%20Guiding%20Principles&text=Human%2DCentered%20approach%20—%20Include%20humans,minimize%20bias%20and%20improve%20outcomes.

Academic Integrity Policies in the Age of Artificial Intelligence (AI) Resource Document, Spring 2024:
https://asccc.org/sites/default/files/ASCCC_AI_Resources_2024.pdf

AI Professional Development and Learning Opportunities:
https://www.cccco.edu/About-Us/Vision-2030/strategic-directions/GenAI-and-the-future-of-learning/AIPD.

APPENDIX A

Outcome 2: Completion | Overall

YEAR	STUDENTS	
-	Actual	Vision 2030 Targets
2017-18	129,649	-
2018-19	141,844	-
2019-20	146,662	-
2020-21	150,639	-
2021-22	**149,146**	**149,146**
2022-23	144,003	154,739
2023-24	156,045	160,332
2024-25	-	165,925
2025-26	-	171,518
2026-27	-	177,111
2027-28	-	182,704
2028-29	-	188,297
2029-30	-	193,890

Bold = Baseline

Outcome 4: Workforce | Overall

YEAR	PERCENT	
-	Actual	Vision 2030 Targets
2017-18	36%	-
2018-19	38%	-
2019-20	40%	-
2020-21	**41%**	**41%**
2021-22	41%	42%
2022-23	41%	43%
2023-24	-	44%
2024-25	-	45%
2025-26	-	47%
2026-27	-	48%
2027-28	-	49%
2028-29	-	50%
2029-30	-	51%

Bold = Baseline

Outcome 5: Maximization of Financial Aid | College Promise Grant/BOG Recipient

YEAR	STUDENTS	
-	Actual	Vision 2030 Targets
2017-18	1,198,114	-
2018-19	1,177,292	-
2019-20	1,150,751	-
2020-21	1,034,876	**-**
2021-22	**929,244**	**929,244**
2022-23	949,095	961,110
2023-24	1,018,699	972,975
2024-25	-	984,840
2025-26	-	996,706
2026-27	-	1,008,572
2027-28	-	1,020,437
2028-29	-	1,032,302
2029-30	-	1,044,168

Bold = Baseline

Pell Grant Recipient

YEAR	STUDENTS	
-	Actual	Vision 2030 Targets
2017-18	767,878	-
2018-19	754,838	-
2019-20	756,756	-
2020-21	673,769	**-**
2021-22	**624,341**	**624,341**
2022-23	638,378	632,145
2023-24	688,462	639,950
2024-25	-	647,754
2025-26	-	655,558
2026-27	-	663,362
2027-28	-	671,166
2028-29	-	678,971
2029-30	-	686,775

Bold = Baseline

Outcome 6: Reduce units to completion | Overall

YEAR	AVERAGE UNITS	
-	Actual	Vision 2030 Targets
2017-18	90	-
2018-19	89	-
2019-20	87	-
2020-21	85	-
2021-22	**83**	**83**
2022-23	82	82
2023-24	81	82
2024-25	-	81
2025-26	-	80
2026-27	-	80
2027-28	-	79
2028-29	-	79
2029-30	-	78

Bold = Baseline