

JULY 2024

MC INSIGHTS



HIGHLIGHTS:

- Career Education Updates
- CTE Enrollment Data
- Equity in CTE
- CTE Completion
- Supporting CTE
- **Moorpark Monthly**
Highlights from July 2024



EMPOWERING AMBITIONS

Career Education at Moorpark College

Moorpark College strives to equip our students with the education and training they need to achieve their career ambitions. As a part of The Ventura County Community College District’s initiative to support equitable workforce and economic development in Ventura County, Moorpark College leverages community and industry partnerships to develop programs that guide students on their path from education to career. Utilizing data provided by the VCCCD Institutional Effectiveness Team, this edition of MC Insights will explore career education programming at Moorpark College and the resources designed to support students through their CTE journey.





CAREER EDUCATION PROGRAM UPDATES

Success of Current Programs

- Moorpark College's Bio-Manufacturing baccalaureate degree program (BDP) received full approval from the California Community Colleges Chancellor's Office. Applications are being accepted for the fall 2024 cohort.
- CNSE Baccalaureate Degree Program is still awaiting a decision by the State Chancellor's Office on its application to offer a Bachelor's Degree in Cybersecurity. Moorpark College leadership and faculty have met with multiple CSUs to attempt mediation.
- The first Moorpark Paramedic Studies cohort of 15 students successfully completed their program in December 2023.
- Technical Theater completed its first non-credit certificate in fall 2023 and will be adding curriculum in Construction and Stage Management in anticipation of the amphitheater coming to the Moorpark campus.
- Computer Networking Systems Engineering (CNSE) received accreditation from the Center of Academic Excellence in Cyber Defense. This accreditation is through the Department of Homeland Security and the National Security Agency. This will open up jobs, internships and other opportunities for students.
- The program plan for Accounting, included increased marketing for VITA which is an income tax assistance program. Students and volunteers provide free income tax preparation for low-income families. This program is very valuable for students and the community, particularly in light of the college's partnership with United Way.
- With Round 4 Strong Workforce funds, Moorpark College intentionally included a project that came from the high school MC2 project. Funds were allocated to support our faculty, who were supporting the high school faculty in what they were doing on their campus, including Curriculum development.

Program Development

- A Notice of Intent was filed with the South-Central Coast Regional Consortium to offer a Geographic Information Systems Certificate. Moorpark College is working to develop Curriculum to begin offering this program in 2025.
- Music Technology is developing an Audio Engineering Certificate which will include a suite of new courses aligned with industry standards.
- Business completed development of an upper division general education course on Project Management for Curriculum review in fall 2023.

GENERATING SUCCESS

Career Education Enrollment Trends

During the pandemic, FTES from CTE courses fell by 1 percentage point. Over the past two Academic years, Moorpark College has increased the amount of FTES generated from CTE courses in comparison to data from 2020-2021, indicating full recovery from pandemic related set backs. Enrollment in CTE courses now makes up 21% of Moorpark College's total FTES.

Academic Year	Total FTES	Career Education	
		TOTAL CTE FTES	% of Total FTES
2018-2019	11,834	2,437	21%
2019-2021	11,875	2,507	21%
2020-2021	11,761	2,359	20% ↓
2021-2022	10,822	2,319	21% ↑
2022-2023	10,584	2,312	21% ↑

To facilitate further growth, Moorpark College leadership and faculty have worked hard to introduce 13 new CTE courses, along with several additional courses currently in the development stage.

New Courses with CTE TOP Codes

BIO TECH

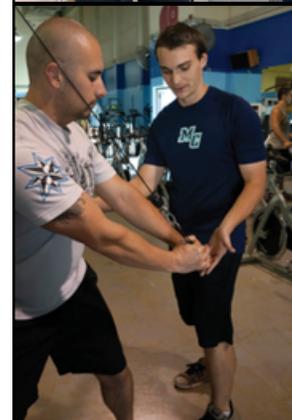
- Biomanufacturing Process Sciences and Engineering Principles
- Design of Experiments for Biomanufacturing
- Design of Facilities Critical Utilities, Processes, and Equipment
- Design of Facilities Critical Utilities, Processes, and Equipment
- Bioprocess Monitoring and Control
- Cell and Gene Therapy Manufacturing Technologies
- Supply Chain and Enterprise Resource Planning
- Six Sigma and Lean Manufacturing
- Methods in Quality Improvements, Investigations, and Audits
- Emerging Trends in Biomanufacturing Quality
- Advanced Topics in Quality Assurance and Regulatory Affairs

ENGINEERING

- Independent Study - Engineering Technology

BUSINESS

- Project Management



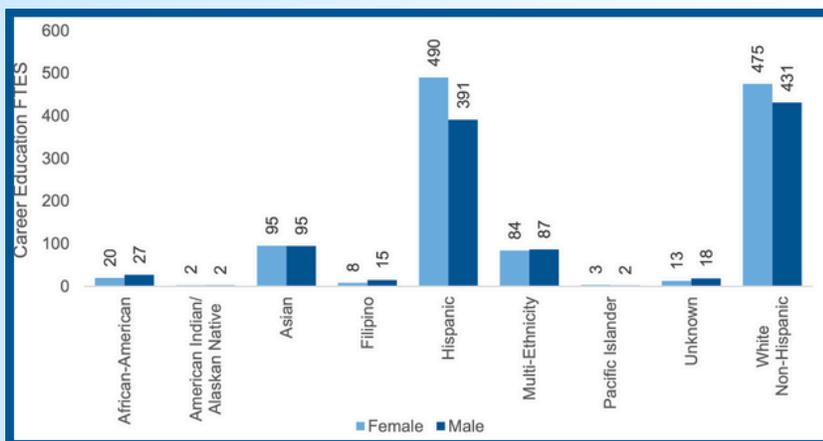


EQUITY IN CAREER EDUCATION

According to CCCCCO Data, The California Community Colleges are the largest provider of workforce training in the world. Providing students with low-cost education and training to enter high-growth industries is crucial to our mission to help achieve equity student success and career outcomes. Given national data trends suggesting BIPOC students and other disproportionately impacted students are less likely to enter full-time jobs post graduation, community colleges must work to close equity gaps in CTE enrollment, ensuring all students have the opportunity to benefit from the training and resources provided by CTE programs.

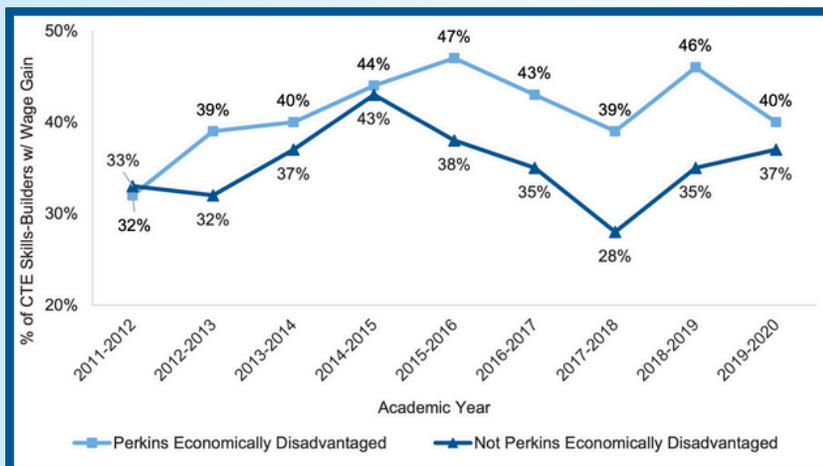
2022-2023 CTE FTES by Gender and Ethnicity

When examining CTE FTES at Moorpark College by gender and ethnicity, several trends emerge. Across African American, Asian, and Multi-Ethnicity student groups, there is little to no gap between men and women. However, among Hispanic and White students, we see significantly more women than men. Overall, White and Hispanic students make up the majority of CTE FTES, which is consistent with the demographics of Moorpark College students.



CTE Skills-Builders w/ Wage Gain

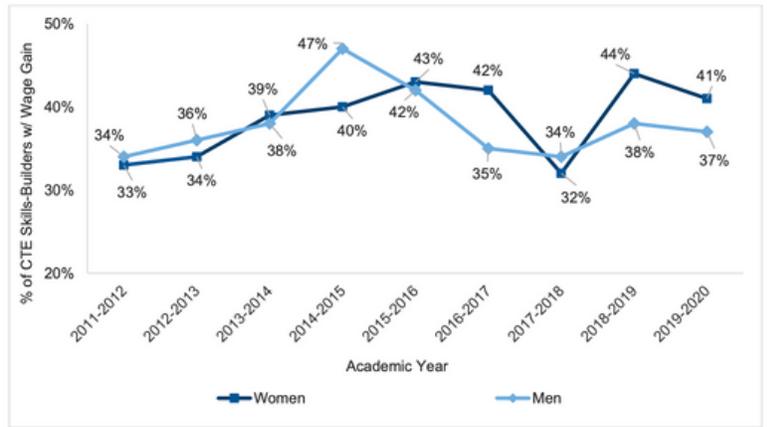
Skills-BUILDER is a term that designates students who enroll in community colleges to take classes that increase their career and technical education skills, but never complete a degree or transfer. This data examines the career outcomes of Skills-BUILDER students in terms of an increase in wages following completion of CTE courses. When looking at wage outcomes for Moorpark College Skills Builder students over the span of several years, a few trends emerge. Overall, Skills-BUILDER students have seen an increase of 5-7 percentage points in wage gain from 2011-2012 to 2019-2020. When the data is broken down by economic status, we see that economically disadvantaged students at Moorpark College saw a greater increase in wage gain than non-economically disadvantaged students.



Wage Gain by Gender

When examining Skills-Builder wage gain data broken down by gender, a few trends emerge over several years. Beginning in 2011, men and women saw nearly equal rates of wage gain, at 34% and 33% respectively. Men’s wage gain outcomes peaked in 2015 at 47%, followed by a steady decrease from 2016-2018. Contrastingly, women’s wage gain outcomes steadily increased from 2011 to 2015. Both men and women saw a decrease in wage gain outcomes from 2015 to 2017, followed by a joint increase in 2018. Despite challenges related to the pandemic in the 2019-2020 academic year, men and women both saw only a slight decrease in wage gain outcomes. Overall, the 2019-2020 data reveals that despite historic wage gaps between men and women, women Skills Builder students at Moorpark College are more likely to experience a wage gain following CTE courses by a rate of 4 percentage points than their male peers.

Figure 5. Moorpark College Skills-Builders w/ Wage Gain, by Gender and Academic Year



Source: Cal-PASS Plus LaunchBoard Community College Pipeline

Table 7. Moorpark College Skills-Builders w/ Wage Gain, by Gender and Academic Year

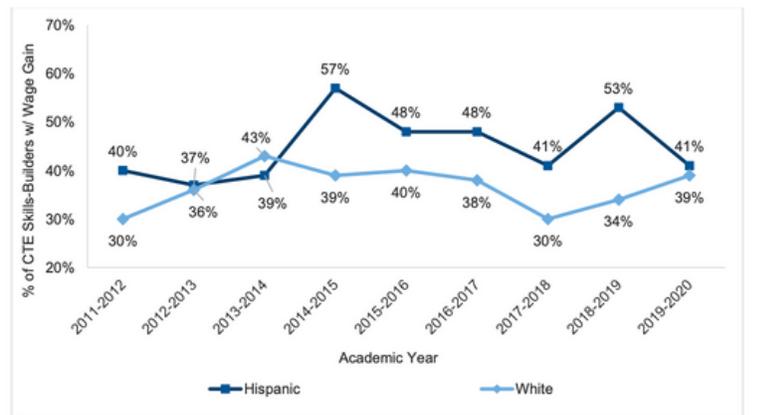
Academic Year	Women		Men	
	#	%	#	%
2011-2012	160 / 490	33%	106 / 316	34%
2012-2013	108 / 319	34%	112 / 309	36%
2013-2014	122 / 311	39%	95 / 249	38%
2014-2015	104 / 261	40%	125 / 265	47%
2015-2016	127 / 297	43%	115 / 272	42%
2016-2017	141 / 333	42%	96 / 276	35%
2017-2018	104 / 327	32%	105 / 312	34%
2018-2019	168 / 384	44%	107 / 285	38%
2019-2020	183 / 450	41%	165 / 443	37%

Source: Cal-PASS Plus LaunchBoard Community College Pipeline

Wage Gain by Ethnicity

When examining Skills-Builder wage gain data broken down by ethnicity, we see an overall trend of narrowing in the gap between hispanic and white students at Moorpark College. In 2011, there was a gap of 10 percentage points in wage gain outcomes between hispanic and white students. However, beginning in 2013, hispanic students saw a significant increase in wage gain outcomes, peaking at 57% in 2015. Wage gain outcomes for white students have seen an overall increase from 30% in 2011 to 39% in 2020. Both groups saw significant decreases in wage gain outcomes in 2018, but while white students have since been in a steady increase, hispanic students saw a 4 percentage point decrease in wage gain outcomes from 2018-2020.

Figure 6. Moorpark College Skills-Builders w/ Wage Gain, by Race/Ethnicity and Academic Year



Source: Cal-PASS Plus LaunchBoard Community College Pipeline

Table 8. Moorpark College Skills-Builders w/ Wage Gain, by Race/Ethnicity and Academic Year

Academic Year	Asian		Filipino		Hispanic		White		Two or More Races/Ethnicities	
	#	%	#	%	#	%	#	%	#	%
2011-2012	18 / 58	31%	*	*	76 / 188	40%	143 / 478	30%	*	*
2012-2013	*	*	*	*	60 / 164	37%	137 / 377	36%	*	*
2013-2014	*	*	*	*	64 / 165	39%	129 / 303	43%	*	*
2014-2015	*	*	10 / 21	48%	82 / 144	57%	107 / 274	39%	*	*
2015-2016	11 / 39	28%	12 / 19	63%	79 / 136	48%	121 / 303	40%	14 / 27	52%
2016-2017	11 / 52	21%	*	*	91 / 189	48%	120 / 312	38%	10 / 25	40%
2017-2018	*	*	*	*	76 / 186	41%	102 / 336	30%	16 / 30	53%
2018-2019	13 / 45	29%	*	*	123 / 234	53%	108 / 315	34%	14 / 30	47%
2019-2020	16 / 56	29%	*	*	136 / 335	41%	143 / 368	39%	18 / 44	41%

Source: Cal-PASS Plus LaunchBoard Community College Pipeline, *insufficient data to report (fewer than 10 students).

Overall, the 2019-2020 data reveals that despite historic wage gaps between hispanic and white workers, hispanic students at Moorpark College are more likely to experience an increase in wage gain after completing CTE courses by a rate of 4 percentage points in comparison to their white peers.

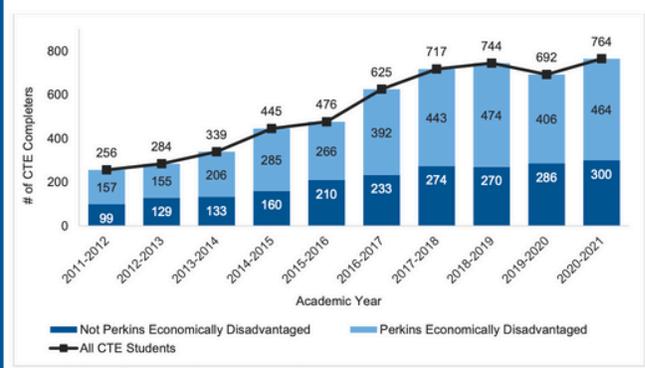
CAREER EDUCATION COMPLETION



CTE Completion by Economic Status

Completion rates for both economically disadvantaged and non-disadvantaged students have increased significantly from 2011 to 2021, with the number of completions for both groups in 2021 three times the amount of completers in 2011. Overall, a greater number of economically disadvantaged students at Moorpark College complete CTE programs than non-disadvantaged students, with 764 economically disadvantaged completers in 2021, compared to 300 non-disadvantaged completers.

Figure 13. Moorpark College CTE Completions, by Perkins Economically Disadvantaged and Academic Year

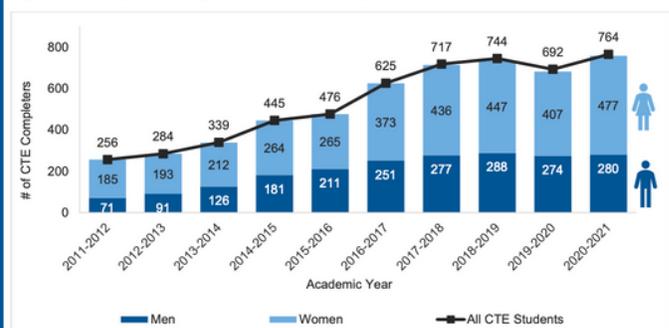


Source: Cal-PASS Plus LaunchBoard Community College Pipeline

CTE Completion by Gender

Completion rates for both men and women have increased significantly from 2011 to 2021. Women consistently comprise a larger percentage of CTE completers each year. However, completion rates among male students have steadily increased between 2011 and 2021, from only 71 in 2011 to 280 in 2021. This increase in male completion rates has narrowed the gap between men and women; while in 2011 women made up 72% of completers, in 2021 women only made up 60% of completers.

Figure 16. Moorpark College CTE Completions, by Gender and Academic Year

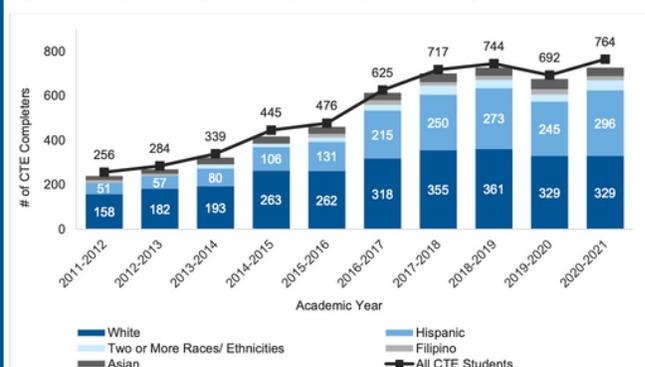


Source: Cal-PASS Plus LaunchBoard Community College Pipeline. Non-binary and unknown gender are not included due to insufficient data.

CTE Completion by Race/Ethnicity

Completion rates for all students have increased significantly from 2011 to 2021. White students consistently make up the largest percentage of completers, however, the completion gap between white and hispanic students has narrowed significantly over the years. In 2011, hispanic students comprised only 19% of completers, whereas in 2021 they comprised 38% of completers, with only a 5 percentage point difference between white and hispanic students.

Figure 19. Moorpark College CTE Completions, by Race/Ethnicity and Academic Year



Source: Cal-PASS Plus LaunchBoard Community College Pipeline. Not all races/ethnicities included due to insufficient data.

SUPPORTING CAREER EDUCATION



Co-Curricular Opportunities for Students

- **MC Engineering** club students qualified to participate in The World's VEX Robotics Competition, which took place from April 27th through April 30th in Dallas, TX.
- Cybersecurity students participated in Hackathon in April 2024, and this month the Cyber Club participated in a competition in Las Vegas, where they placed 9th out of 4000 teams competing nationally.
- About 95% Moorpark College programs have an aligned M-80 internship course, creating internship and career opportunities for all students, not just those in CTE programs.

CTE Events & Workshops

- **Moorpark College Career Week** hosted annually, which includes:
 - Resumania - a resume building workshops for students
 - A Career & Internship Expo, featuring 90 employers.
- **Industry Panels and Workshops**, featuring industry professionals in industries such as Film and Television Production, Audio Recording and Engineering, etc.
- **Career Education Day for High School Students**, with 7 participating high schools from CVUSD and SVUSD.
- **805 Industry Day**, hosted in partnership with Ventura County Office of Education (VCOE) to share information on Moorpark CTE programs with VCOE and services for students.

CTE Workgroup

- Comprised of Career Education faculty, deans, staff, student support staff, ASMC student representatives and industry partners, the Moorpark College CTE Workgroup meets once a month throughout the Academic year.
- The CTE Workgroup is charged with supporting professional development of CTE faculty, staff and administrators. The workgroup reviews and makes funding recommendations to the Moorpark Executive Committee for Perkins and Strong WorkForce.
- The CTE Workgroup facilitates representation in several key organizations related to CTE development and success, including:
 - CCCAOE (11 representatives)
 - Colegas
 - Alliance for Hispanic Serving Institutions
 - California Associate Degrees Nursing
 - Music Association of California
 - Child Development Conference
 - Student Success Conference
 - Music Association of Community Colleges.

Funding Allocation for CTE Resources

- **Perkins funds** were used to support seven Career Education Programs with equipment, software, student workshops/events, in addition to professional development.
 - **Biotechnology** – Bioreactor and vessels for the Biotech Lab, high school student workshops.
 - **CNSE** – Cybersecurity Lab equipment/supplies for student use – hard drives, ram, two used MacBook laptops cables, supplies.
 - **Makerspace** – instructional supplies for MakerFaire and non-credit courses.
 - **Music Technology** – Pro Tools site license and Pro Tools Certification
 - **Nursing** – Life form diverse nursing skills mannequins
 - **Photography** – Three Canon EOS mirrorless digital cameras, lenses and accessories.
 - **Technical Theater** – Allen & Heath mixer, speakers, subwoofers and accessories.
- Through **Strong WorkForce** funding, Film Television Media (FTMA) continues to support a provisional production internship coordinator to assist students in on-campus internships to develop workforce skills and provide on-campus video services.
- In 2020 Moorpark College was awarded a five-year \$2.9 million dollar Department of Education Title V grant to support the STEM Impacto program. Impacto supports hispanic and pell eligible students pursuing a degree in STEM, providing financial resources, internship opportunities, ongoing peer mentorship and workshops, and specialized tutoring and counseling to support their academic and career success.



MOORPARK MONTHLY:



Highlights from July 2024



Moorpark College Celebrates Independence Day!

Moorpark College proudly celebrates the 4th of July as a time to celebrate the founding of our great nation and its guiding principles of justice, equality, and freedom. The Declaration of Independence was signed by our founding fathers with the promise to build a better future for Americans. The 4th of July is a time to celebrate our country and renew our own promise to fight for liberty and justice for all 🇺🇸!

Moorpark College Teaching Zoo Staff Member Recognized for Wild Achievements

In July The Conejo Valley Chamber of Commerce recognized honorees for their 2024 "40 under 40" young professionals award. Among recipients of this award was Moorpark College Teaching Zoo staff member Taiki Yoshida. Taiki enjoyed his previous work teaching English in Japan and as a dolphin trainer in Hawaii, but finds his greatest satisfaction investing his talents in The Teaching Zoo at Moorpark College. Taiki mentors and inspires zoo students as they shape their careers and uses his skillset to upgrade the zoo exhibits and guest experiences. Congratulations, Taiki!



*Taiki Yoshida
Moorpark College Teaching Zoo
Operations Staff Member*

Moorpark College Featured in Chronicle of Higher Education Article for Spearheading Academic Probation Reforms

The Chronicle of Higher Education commended Moorpark College for our Academic Notice program in their recent article on Academic Probation reform. The article highlighted Moorpark's innovative communication initiatives that resulted in a significant increase in persistence among academic probation students.





Moorpark College Hosts Ribbon-Cutting Ceremony for Takeda Sponsored Biotech Lab

Moorpark College hosted a ribbon cutting ceremony this month for the Moorpark College Biotechnology Analytical Lab sponsored by Takeda. The ceremony will include distinguished speeches by President Sokenu and Stephen Hatke, Site Head at Takeda's Thousand Oaks facility, as well as inspiring testimonials from faculty and alumni. Attendees were able to learn about the transformative impact that hands-on lab training can have on education and career outcomes.

This lab was made possible by the generous, four-year \$250,000 sponsorship from Takeda to the Moorpark College Foundation, which will continue to be dedicated to enhancing resources for the college's Biotech Program Analytical Lab.

The timing of the lab's opening is particularly beneficial for the first cohort of Bachelors of Science in Applied Manufacturing students at Moorpark College, who will begin classes this fall. The Analytical Lab sponsored by Takeda provides students with hands-on experiences, equipping them with the analytical and technical skills essential for success in the biotech manufacturing industry. The lab will allow students majoring in biotech manufacturing to gain the analytical and technical skills needed to thrive in the industry through hands-on experiences.

"Takeda's support greatly benefits our mission and increases the likelihood of Moorpark College becoming a destination college locally, nationally, and globally," said Dr. Julius Sokenu, president of Moorpark College. "Takeda is an industry leader in driving technology and devising treatments that enhance the quality of life for millions."