

# Cuyamaca College's STEM Embedded Counseling: Access to Services and Persistence in 2023-2024

Report Prepared July 2024

Cuyamaca College's Science, Technology, Engineering, and Math (STEM) Embedded Counselor met with 130 students in the 2023-2024 academic year between July 1<sup>st</sup>, 2023 and June 30<sup>th</sup>, 2024.

## Student Access to STEM Embedded Counseling Services in 2023-2024 by Race and Ethnicity

Compared to all students in 2023-2024, the STEM Embedded Counselor met with an overrepresentation of Middle Eastern students (29% compared to 21% college-wide), and a slight underrepresentation of Asian students (5% compared to 6% college-wide).

Compared to all STEM majors in 2023-2024, the STEM Embedded Counselor met with an overrepresentation of Middle Eastern students (29% compared to 19% of STEM majors), and an underrepresentation of Asian students (5% compared to 9% of STEM majors) and Latinx students (34% compared to 38% of STEM majors).

Race and Ethnicity	All Students		STEM Majors		Met with STEM Embedded Counselor	
	#	%	#	%	#	%
African-American/Black	730	5%	228	5%	6	5%
Asian	785	6%	383	9%	6	5%
Hispanic/Latino/a/x	4,770	35%	1,603	38%	44	34%
Middle Eastern	2,835	21%	820	19%	38	29%
Native American	71	1%	8	<1%	1	1%
Pacific Islander	29	<1%	12	<1%	1	1%
White	3,395	25%	911	21%	26	20%
Two or more	736	5%	246	6%	8	6%
Unknown/non-respondent	205	2%	58	1%	0	0%
<b>Total</b>	<b>13,556</b>	<b>100%</b>	<b>4,269</b>	<b>100%</b>	<b>130</b>	<b>100%</b>

## Student Access to STEM Embedded Counseling Services in 2023-2024 by Gender















The STEM Embedded Counselor met with an underrepresentation of female students (46% compared to 55% college-wide, and compared to 53% of STEM majors).

Gender	All Students		STEM Majors		Met with STEM Embedded Counselor	
	#	%	#	%	#	%
Female	7,457	55%	2,283	53%	60	46%
Male	5,913	44%	1,927	45%	69	53%
Unknown/non-respondent	186	1%	59	1%	1	1%
<b>Total</b>	<b>13,556</b>	<b>100%</b>	<b>4,269</b>	<b>100%</b>	<b>130</b>	<b>100%</b>

### Student Access to STEM Embedded Counseling Services in 2023-2024 by Age







Compared to all students in 2023-2024, the STEM Embedded Counselor met with an underrepresentation of students under 20 years old (27% compared to 29% college-wide) and students age 30+ years old (8% compared to 29% college-wide).

Compared to STEM majors in 2023-2024, the STEM Embedded Counselor met with an underrepresentation of students under 20 years old (27% compared to 36% of STEM majors) and students age 30+ years old (8% compared to 12% of all STEM majors).

Age	All Students		STEM Majors		Met with STEM Embedded Counselor	
	#	%	#	%	#	%
<20 years old	3,986	 29%	1,529	 36%	35	 27%
20-24 years old	4,234	 31%	1,681	 39%	67	 52%
25-29 years old	1,443	 11%	514	 12%	17	 13%
30-49 years old	2,923	 22%	488	 11%	11	 8%
50+ years old	970	 7%	57	 1%	0	0%
<b>Total</b>	<b>13,556</b>	<b>100%</b>	<b>4,269</b>	<b>100%</b>	<b>130</b>	<b>100%</b>

### Student Access to STEM Embedded Counseling Services in 2023-2024 by Economically Disadvantaged Status

The STEM Embedded Counselor served economically disadvantaged students well: 64% of students who met with the STEM Embedded Counselor were economically disadvantaged, compared to 52% of all students college-wide, and compared to 48% of STEM majors.

Gender	All Students		STEM Majors		Met with STEM Embedded Counselor	
	#	%	#	%	#	%
Economically Disadvantaged	7,011	 52%	2,033	 48%	83	 64%
Not Economically Disadvantaged	6,545	 48%	2,236	 52%	47	 36%
<b>Total</b>	<b>13,556</b>	<b>100%</b>	<b>4,269</b>	<b>100%</b>	<b>130</b>	<b>100%</b>

## Student Fall-to-Spring Persistence in 2023-2024

Students who met with the STEM Embedded Counselor in 2023-2024 were more likely to persist from Fall 2023 to Spring 2024 at Cuyamaca College (91%), compared to all students (58%) and compared to all STEM majors (60%).

African-American or Black students who met with the Embedded STEM Counselor experienced a relatively low persistence rate (80%); however, this persistence rate was higher compared to all African-American or Black students (45%) and compared to all African-American or Black STEM majors (49%).

Latinx students who met with the STEM Embedded Counselor experienced a relatively high persistence rate (94%) compared to all Latinx students (53%) and compared to all Latinx STEM majors (57%).

White students who met with the STEM Embedded Counselor experienced a relatively high persistence rate (96%) compared to all White students (53%) and compared to all White STEM majors (54%).

Equity gaps are evident when a group with at least 10 students experiences a persistence rate that is at least 3 percentage points lower than the comparison group. Middle Eastern students who met with the STEM Embedded Counselor experienced a 14 percentage point equity gap in persistence compared to White students (82% compared to 96%, respectively). No Native American students who were enrolled in Fall 2023 met with the STEM Embedded Counselor.

Race and Ethnicity	All Students		STEM Majors		Met with STEM Embedded Counselor	
	Cohort	Persisted	Cohort	Persisted	Cohort	Persisted
African-American/Black	422	45%	138	49%	*	80%
Asian	442	55%	203	58%	*	100%
Hispanic/Latino/a/x	2,925	53%	1,007	57%	33	94%
Middle Eastern	1,948	76%	555	75%	34	82%
Native American	52	35%	*	40%	0	--
Pacific Islander	19	37%	*	57%	*	100%
White	2,053	53%	565	54%	23	96%
Two or more	441	57%	134	63%	*	100%
Unknown/non-respondent	130	57%	43	72%	0	--
<b>Total (Enrolled in Fall 2023)</b>	<b>8,432</b>	<b>58%</b>	<b>2,657</b>	<b>60%</b>	<b>108</b>	<b>91%</b>

\*Cohorts with fewer than 10 students are masked.