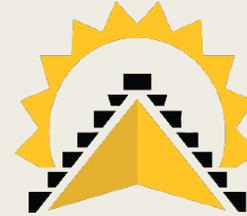




CENTER FOR EVALUATION & EDUCATIONAL EFFECTIVENESS



HSI-STEM

SCIENCE • TECHNOLOGY
ENGINEERING • MATH

HSI-STEM

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Team Questions

- CSULB STEM transfers from which feeder CCCs have the greatest STEM student success outcomes?
- How can we work with the CCCs to help our transfer students who have the greatest need?

HSI-STEM, Title III, Part F Grant Proposal

Absolute Priority 2

An application that proposes activities to increase the number of Hispanic and other low-income students attaining degrees in the STEM fields and **proposes to develop model transfer and articulation agreements between two-year HSIs and four-year institutions in STEM fields.**

COE & CNSM Transfer Students Fall 2013-2017 ($N = 2,443$)

	White	Asian	Hispanic/Latino
Count	456	591	832
% of all STEM transfers	18.7%	24.2%	34.1%
Transfer GPA (average)	3.08	3.07	2.98
Pell	47.6%	68.7%	72.5%
First-Gen	34.4%	55.2%	76.0%

COE & CNSM Transfer Students Fall 2013-2017 (N = 2,443)

	All STEM (N = 2443)	Hispanic/Latino (N = 832)	White (N = 591)	Asian (N = 456)
Top 5 Feeder CCCs & counts	LBCC, 290 OCC, 238 Cerritos, 183 GW, 173 El Camino, 153	LBCC, 129 Cerritos, 102 El Camino, 57 East LA, 37 OCC, 37	OCC, 55 GW, 51 LBCC, 44 Saddleback, 24 Cypress, 22	OCC, 101 GW, 74 LBCC, 48 Cerritos, 40 Cypress, 36

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COE & CNSM Transfer Students

Fall 2012-2015

2-year graduation rates (within college, count)

	Hispanic/Latino (N = 508)	White (N = 357)	Asian (N = 495)
CCC			
LBCC	4.8%, 83	6.8%, 44	11.8%, 51
Cerritos	4.5%, 67	0.0%, 7	0.0%, 27
El Camino	8.7%, 46	14.3%, 21	3.2%, 31
East LA	4.6%, 22	–	0.0%, 10
OCC	4.0%, 25	0%, 55	3.8%, 105

Campus-wide GI 2025 2-Year Transfer Grad Rate Goal: 45%

COE & CNSM Transfer Students

Fall 2011-2014

3-year graduation rates (within college, count)

	Hispanic/Latino (N = 435)	White (N = 378)	Asian (N = 494)
CCC			
LBCC	22.1%, 68	42.9%, 49	22.6%, 62
Cerritos	28.0%, 57	30.0%, 10	38.9%, 18
El Camino	54.8%, 42	73.9%, 23	59.3%, 27
East LA	53.3%, 15	–	57.1%, 7
OCC	27.6%, 29	36.5%, 63	33.6%, 110

Insights

- To meet our GI 2025 transfer goals & eliminate achievement gaps, we must:
 - *Extend partnerships to other CCCs to help serve our URM and Pell STEM transfers*
 - *What's working at institutions like El Camino that we can also do at LBCC, OCC, Cerritos?*

Next steps

- Continued work with partner CCCs to develop STEM transfer roadmaps
- June 17-18 CSU HSI-STEM Summit
- Just submitted joint NSF HSI-STEM with LBCC
- Collaborate with other nearby CCC HSI-STEM grantees
 - *East LA, Pasadena City, LA Harbor, LA City, LA Valley, Santa Monica*

Sample transfer roadmaps

COE & CNSM Transfer Students

Fall 2011-2014

3-year graduation rates (within college, count)

CCC	Hispanic/Latino	White	Asian
LBCC	25.0, 22.1, 68	49.0, 42.9, 49	30.7, 22.6, 62
Cerritos	35.1, 28.0, 57	40.0, 30.0, 10	44.4, 38.9, 18
El Camino	59.5, 54.8, 42	73.9, 73.9, 23	63.0, 59.3, 27
East LA	66.7, 53.3, 15	–	71.4, 57.1, 7
OCC	27.6, 27.6, 29	44.4, 36.5, 63	40.9, 33.6, 110