

**Academic Outcomes** illustrates changes to academic skills and abilities during college and how students' academic skills compare to their peers.

See also - CIRP Construct: Academic Disengagement, Student-Faculty Interaction, Civic Awareness, Academic Adjustment, Academic Self-Concept; CIRP Theme: Active and Collaborative Learning, Academic Enhancement Experiences, Written and Oral Communication.

\* Includes genderqueer, gender non-conforming, identity not listed above

University of California-San Diego	Total			Men/Trans Men			Women/Trans Women			Genderqueer*		
	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
<b>How often in the past year did you:</b>												
<b>Ask questions in class</b>												
Frequently / Occasionally	63.4%	77.8%	75.6%	67.7%	80.7%	79.4%	60.5%	75.6%	72.7%	75.0%	82.7%	82.0%
Mean	1.71	1.99	1.95	1.77	2.05	2.03	1.67	1.94	1.89	1.89	2.07	2.07
Standard deviation	0.60	0.66	0.66	0.61	0.66	0.67	0.60	0.65	0.65	0.63	0.65	0.65
Significance	-	***	***	-	***	***	-	***	***	-	-	***
Effect size	-	-0.42	-0.36	-	-0.42	-0.39	-	-0.42	-0.34	-	-0.28	-0.28
<b>Support your opinions with a logical argument</b>												
Frequently / Occasionally	95.6%	96.7%	95.5%	97.1%	97.6%	97.7%	94.8%	96.2%	94.1%	96.4%	96.5%	95.1%
Mean	2.49	2.56	2.54	2.56	2.62	2.62	2.46	2.52	2.48	2.43	2.50	2.56
Standard deviation	0.58	0.56	0.58	0.55	0.53	0.53	0.59	0.57	0.61	0.57	0.57	0.59
Significance	-	**	*	-	-	-	-	*	-	-	-	***
Effect size	-	-0.13	-0.09	-	-0.11	-0.11	-	-0.11	-0.03	-	-0.12	-0.22

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	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
<b>How often in the past year did you:</b>												
<b>Seek solutions to problems and explain them to others</b>												
Frequently / Occasionally	96.5%	97.4%	96.6%	96.7%	97.1%	96.6%	96.5%	97.6%	96.6%	96.5%	94.7%	96.7%
Mean	2.45	2.52	2.50	2.50	2.54	2.52	2.43	2.51	2.49	2.39	2.37	2.46
Standard deviation	0.56	0.55	0.56	0.56	0.55	0.57	0.56	0.55	0.56	0.57	0.59	0.56
Significance	-	**	*	-	-	-	-	**	*	-	-	***
Effect size	-	-0.13	-0.09	-	-0.07	-0.04	-	-0.15	-0.11	-	0.03	-0.13
<b>Evaluate the quality or reliability of information you received</b>												
Frequently / Occasionally	95.4%	95.4%	95.3%	92.9%	94.0%	93.7%	96.8%	96.4%	96.6%	96.4%	93.1%	93.5%
Mean	2.57	2.58	2.56	2.48	2.50	2.47	2.62	2.64	2.61	2.61	2.53	2.54
Standard deviation	0.58	0.58	0.58	0.63	0.61	0.61	0.55	0.55	0.55	0.57	0.63	0.62
Significance	-	-	-	-	-	-	-	-	-	-	-	***
Effect size	-	-0.02	0.02	-	-0.03	0.02	-	-0.04	0.02	-	0.13	0.11
<b>Take a risk because you felt you had more to gain</b>												
Frequently / Occasionally	87.7%	90.3%	89.7%	92.5%	92.6%	93.0%	85.2%	88.9%	87.6%	85.7%	87.9%	86.9%
Mean	2.16	2.24	2.25	2.32	2.36	2.36	2.08	2.17	2.17	2.14	2.19	2.30
Standard deviation	0.62	0.62	0.63	0.61	0.61	0.61	0.61	0.61	0.63	0.65	0.63	0.69
Significance	-	**	***	-	-	-	-	**	**	-	-	***
Effect size	-	-0.13	-0.14	-	-0.07	-0.07	-	-0.15	-0.14	-	-0.08	-0.23
<b>Seek alternative solutions to a problem</b>												
Frequently / Occasionally	95.6%	96.4%	95.4%	95.8%	96.2%	95.6%	95.4%	96.5%	95.4%	96.5%	96.5%	93.4%
Mean	2.38	2.43	2.42	2.42	2.47	2.47	2.35	2.40	2.39	2.39	2.48	2.44
Standard deviation	0.57	0.56	0.58	0.57	0.57	0.58	0.57	0.56	0.57	0.57	0.57	0.62
Significance	-	*	-	-	-	-	-	-	-	-	-	***
Effect size	-	-0.09	-0.07	-	-0.09	-0.09	-	-0.09	-0.07	-	-0.16	-0.08
<b>How often in the past year did you:</b>												
<b>Look up scientific research articles and resources</b>												
Frequently / Occasionally	83.2%	87.6%	87.3%	83.1%	88.6%	88.2%	82.7%	87.0%	86.3%	92.9%	88.0%	93.4%
Mean	2.16	2.27	2.27	2.17	2.27	2.28	2.15	2.26	2.25	2.32	2.29	2.41
Standard deviation	0.69	0.67	0.67	0.69	0.66	0.66	0.69	0.67	0.68	0.61	0.68	0.62
Significance	-	***	***	-	*	*	-	**	**	-	-	***
Effect size	-	-0.16	-0.16	-	-0.15	-0.17	-	-0.16	-0.15	-	0.04	-0.15

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	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
<b>Explore topics on your own, even though it was not required for a class</b>												
Frequently / Occasionally	80.8%	86.1%	84.5%	84.0%	88.8%	88.0%	79.0%	84.4%	81.9%	82.2%	84.4%	86.9%
Mean	2.08	2.21	2.19	2.18	2.30	2.30	2.03	2.15	2.11	2.11	2.16	2.28
Standard deviation	0.68	0.67	0.68	0.69	0.66	0.67	0.67	0.66	0.68	0.69	0.67	0.69
Significance	-	***	***	-	**	*	-	***	*	-	-	***
Effect size	-	-0.19	-0.16	-	-0.18	-0.18	-	-0.18	-0.12	-	-0.07	-0.25
<b>Accept mistakes as part of the learning process</b>												
Frequently / Occasionally	97.3%	97.3%	97.3%	97.4%	97.0%	96.8%	97.1%	97.7%	97.8%	100.0%	93.1%	95.1%
Mean	2.58	2.60	2.60	2.63	2.63	2.63	2.56	2.58	2.59	2.54	2.47	2.54
Standard deviation	0.55	0.54	0.54	0.53	0.54	0.55	0.55	0.54	0.54	0.51	0.63	0.59
Significance	-	-	-	-	-	-	-	-	-	-	-	***
Effect size	-	-0.04	-0.04	-	0.00	0.00	-	-0.04	-0.06	-	0.11	0.00
<b>Analyze multiple sources of information before coming to a conclusion</b>												
Frequently / Occasionally	97.4%	97.9%	97.8%	96.7%	97.4%	97.5%	97.7%	98.4%	98.1%	100.0%	96.6%	98.4%
Mean	2.50	2.55	2.54	2.51	2.54	2.53	2.49	2.55	2.55	2.46	2.52	2.52
Standard deviation	0.55	0.54	0.54	0.56	0.55	0.55	0.54	0.53	0.54	0.51	0.57	0.54
Significance	-	*	*	-	-	-	-	*	*	-	-	***
Effect size	-	-0.09	-0.07	-	-0.05	-0.04	-	-0.11	-0.11	-	-0.11	-0.11
<b>Take on a challenge that scares you</b>												
Frequently / Occasionally	91.9%	93.1%	92.6%	94.5%	93.6%	93.7%	91.1%	93.1%	92.6%	82.1%	84.5%	82.0%
Mean	2.27	2.33	2.33	2.33	2.35	2.37	2.23	2.31	2.30	2.32	2.29	2.28
Standard deviation	0.60	0.60	0.61	0.58	0.60	0.60	0.60	0.59	0.60	0.77	0.73	0.76
Significance	-	*	*	-	-	-	-	**	*	-	-	***
Effect size	-	-0.10	-0.10	-	-0.03	-0.07	-	-0.14	-0.12	-	0.04	0.05
<b>Since entering this college, indicate how often have you felt:</b>												
<b>That your courses inspired you to think in new ways</b>												
Frequently / Occasionally	89.1%	89.7%	89.1%	84.9%	86.4%	87.0%	91.1%	91.8%	90.6%	92.5%	89.5%	86.6%
Mean	2.21	2.28	2.25	2.11	2.18	2.18	2.26	2.33	2.29	2.37	2.35	2.40
Standard deviation	0.62	0.64	0.64	0.63	0.65	0.64	0.61	0.62	0.63	0.63	0.67	0.72
Significance	-	**	*	-	-	-	-	*	*	-	-	***
Effect size	-	-0.11	-0.06	-	-0.11	-0.11	-	-0.11	-0.05	-	0.03	-0.04
<b>Rate yourself on each of the following traits as compared with the average person your age.</b>												
<b>Academic ability</b>												
Highest 10% / Above average	60.8%	65.2%	63.6%	70.6%	73.1%	72.8%	57.1%	61.5%	58.6%	30.7%	38.9%	43.1%
Mean	3.65	3.76	3.73	3.83	3.93	3.91	3.57	3.67	3.62	3.15	3.30	3.40
Standard deviation	0.84	0.82	0.82	0.85	0.82	0.83	0.82	0.80	0.79	0.83	0.79	0.86
Significance	-	**	*	-	-	-	-	*	*	-	-	***
Effect size	-	-0.13	-0.10	-	-0.12	-0.10	-	-0.13	-0.06	-	-0.19	-0.29
<b>Mathematical ability</b>												
Highest 10% / Above average	45.8%	45.4%	45.3%	58.7%	57.2%	58.5%	39.5%	38.9%	37.3%	26.9%	20.4%	27.6%
Mean	3.33	3.35	3.35	3.58	3.62	3.64	3.22	3.20	3.18	2.96	2.89	2.93
Standard deviation	0.94	0.96	0.98	0.95	0.96	0.96	0.92	0.93	0.94	0.82	0.82	0.97
Significance	-	-	-	-	-	-	-	-	-	-	-	***
Effect size	-	-0.02	-0.02	-	-0.04	-0.06	-	0.02	0.04	-	0.09	0.03

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	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2	Your Inst	Comp 1	Comp 2
<b>Rate yourself on each of the following traits as compared with the average person your age.</b>												
<b>Self-confidence (intellectual)</b>												
Highest 10% / Above average	45.6%	51.0%	51.4%	60.6%	65.5%	66.8%	38.3%	42.4%	41.2%	26.9%	35.2%	43.1%
Mean	3.35	3.48	3.49	3.70	3.82	3.84	3.17	3.28	3.26	2.88	3.19	3.28
Standard deviation	1.03	1.00	1.01	1.06	0.99	0.98	0.96	0.94	0.96	0.99	1.10	1.07
Significance	-	**	**	-	-	-	-	*	-	-	-	***
Effect size	-	-0.13	-0.14	-	-0.12	-0.14	-	-0.12	-0.09	-	-0.28	-0.37
<b>Writing ability</b>												
Highest 10% / Above average	45.1%	51.6%	49.2%	41.8%	51.3%	49.4%	47.7%	52.3%	49.1%	30.7%	42.6%	50.0%
Mean	3.36	3.51	3.45	3.33	3.53	3.45	3.40	3.51	3.46	3.08	3.33	3.36
Standard deviation	0.93	0.92	0.92	0.99	0.96	0.99	0.90	0.89	0.88	0.98	0.99	0.95
Significance	-	***	*	-	**	-	-	*	-	-	-	***
Effect size	-	-0.16	-0.10	-	-0.21	-0.12	-	-0.12	-0.07	-	-0.25	-0.29
<b>Knowledge of a particular field or discipline</b>												
Strongly Agree / Agree	92.3%	94.4%	94.0%	91.4%	94.6%	94.5%	93.3%	94.8%	94.0%	83.4%	86.5%	87.1%
Mean	3.25	3.30	3.28	3.26	3.30	3.32	3.24	3.31	3.27	3.08	3.17	3.19
Standard deviation	0.61	0.59	0.59	0.63	0.59	0.60	0.59	0.58	0.58	0.78	0.76	0.75
Significance	-	-	-	-	-	-	-	*	-	-	-	***
Effect size	-	-0.08	-0.05	-	-0.07	-0.10	-	-0.12	-0.05	-	-0.12	-0.15
<b>Ability to conduct research</b>												
Strongly agree / Agree	70.0%	74.8%	75.8%	67.5%	75.2%	74.3%	71.7%	74.6%	77.0%	66.6%	70.6%	74.0%
Mean	2.82	2.91	2.91	2.78	2.93	2.89	2.85	2.90	2.92	2.83	2.88	2.98
Standard deviation	0.73	0.73	0.71	0.72	0.71	0.71	0.73	0.73	0.71	0.82	0.84	0.86
Significance	-	**	**	-	**	*	-	-	-	-	-	***
Effect size	-	-0.12	-0.13	-	-0.21	-0.15	-	-0.07	-0.10	-	-0.06	-0.17

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<b>Compared with when you entered this college, how would you now describe your:</b>												
<b>Problem-solving skills</b>												
Strongly agree / Agree	88.8%	89.9%	89.6%	87.6%	89.8%	89.6%	89.4%	90.0%	89.7%	87.5%	88.4%	88.9%
Mean	3.06	3.12	3.13	3.07	3.13	3.17	3.05	3.10	3.11	3.04	3.13	3.11
Standard deviation	0.57	0.60	0.60	0.61	0.60	0.61	0.55	0.58	0.58	0.69	0.71	0.69
Significance	-	*	**	-	-	*	-	-	-	-	-	***
Effect size	-	-0.10	-0.12	-	-0.10	-0.16	-	-0.09	-0.10	-	-0.13	-0.10