



HIGHER EDUCATION RESEARCH INSTITUTE AT UCLA  
HOME OF THE COOPERATIVE INSTITUTIONAL RESEARCH PROGRAM

# College Senior Survey

Peer Group Report

## Sample University

Comparison group 1: Peer Group  
Comparison group 2: Private Universities



COOPERATIVE INSTITUTIONAL RESEARCH PROGRAM  
*at the* HIGHER EDUCATION RESEARCH INSTITUTE AT UCLA

## College Senior Survey Report Institutional Profile and Longitudinal Reports

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#### **1. Institutional Profile Reports**

How to Read the Institutional Profile Reports

- a. Graduating Seniors
  - b. Non-Graduating Seniors
  - c. All Respondents
- 

#### **2. Longitudinal Profile Reports**

**(Matched pairs of responses to the 2013-2015 CIRP Freshman Surveys and 2019 College Senior Survey)**

How to Read the Longitudinal Profile Reports

- a. All Respondents
  - b. Men Respondents
  - c. Women Respondents
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#### **Appendix**

List of Participating Institutions

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Sample University	Total			Men/Trans men			Women/Trans women			Genderqueer, gender non-conforming, identity not listed			CIRP Construct
	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>Graduating Seniors</b>	98	3,689	5,910	23	1,163	1,948	67	2,189	3,518	8	337	444	
<b>How often in the past year did you:</b>													
<b>Ask questions in class</b>													
Frequently	37.8%	34.9%	32.6%	30.4%	35.6%	32.8%	35.8%	32.6%	30.9%	75.0%	47.5%	45.5%	Habits of Mind
Occasionally	57.1%	52.9%	53.1%	56.5%	53.2%	53.9%	61.2%	54.3%	54.0%	25.0%	42.1%	43.0%	
Not at all	5.1%	12.2%	14.2%	13.0%	11.2%	13.3%	3.0%	13.0%	15.1%	0.0%	10.4%	11.5%	
Total (n)	98	3,682	5,900	23	1,160	1,944	67	2,185	3,512	8	337	444	
Mean	2.33	2.23	2.18	2.17	2.24	2.19	2.33	2.20	2.16	2.75	2.37	2.34	
Standard deviation	0.57	0.65	0.66	0.65	0.64	0.65	0.53	0.65	0.66	0.46	0.67	0.67	
Significance	-		*	-			-		*	-			
Effect size	-	0.15	0.23	-	-0.11	-0.03	-	0.20	0.26	-	0.57	0.61	
<b>Support your opinions with a logical argument</b>													
Frequently	52.0%	55.7%	57.5%	43.5%	61.2%	62.0%	50.7%	51.9%	54.1%	87.5%	62.0%	64.2%	Habits of Mind
Occasionally	40.8%	37.9%	37.1%	47.8%	34.9%	34.0%	41.8%	40.4%	39.7%	12.5%	31.4%	29.0%	
Not at all	7.1%	6.4%	5.5%	8.7%	3.9%	3.9%	7.5%	7.7%	6.2%	0.0%	6.6%	6.8%	
Total (n)	98	3,679	5,891	23	1,159	1,939	67	2,186	3,511	8	334	441	
Mean	2.45	2.49	2.52	2.35	2.57	2.58	2.43	2.44	2.48	2.88	2.55	2.57	
Standard deviation	0.63	0.62	0.60	0.65	0.57	0.57	0.63	0.63	0.61	0.35	0.62	0.62	
Significance	-			-			-			-			
Effect size	-	-0.06	-0.12	-	-0.39	-0.40	-	-0.02	-0.08	-	0.53	0.50	
<b>Seek solutions to problems and explain them to others</b>													
Frequently	51.0%	57.1%	59.1%	34.8%	58.7%	60.2%	53.7%	56.2%	58.2%	75.0%	58.2%	60.9%	Habits of Mind
Occasionally	43.9%	38.4%	36.9%	52.2%	37.9%	36.4%	43.3%	39.1%	37.6%	25.0%	35.9%	33.4%	
Not at all	5.1%	4.4%	4.0%	13.0%	3.4%	3.4%	3.0%	4.8%	4.2%	0.0%	5.9%	5.6%	
Total (n)	98	3,673	5,883	23	1,160	1,942	67	2,176	3,498	8	337	443	
Mean	2.46	2.53	2.55	2.22	2.55	2.57	2.51	2.51	2.54	2.75	2.52	2.55	
Standard deviation	0.59	0.58	0.57	0.67	0.56	0.56	0.56	0.59	0.58	0.46	0.61	0.60	
Significance	-			-	**	**	-			-			
Effect size	-	-0.12	-0.16	-	-0.59	-0.62	-	0.00	-0.05	-	0.38	0.33	
<b>Revise your papers to improve your writing</b>													
Frequently	67.0%	52.7%	52.5%	65.2%	48.2%	46.1%	70.1%	54.3%	55.3%	42.9%	57.6%	57.9%	Habits of Mind
Occasionally	27.8%	39.1%	39.2%	21.7%	41.6%	43.4%	26.9%	38.6%	37.8%	57.1%	33.4%	31.4%	
Not at all	5.2%	8.2%	8.3%	13.0%	10.3%	10.5%	3.0%	7.1%	6.9%	0.0%	9.0%	10.6%	
Total (n)	97	3,679	5,893	23	1,160	1,940	67	2,184	3,511	7	335	442	
Mean	2.62	2.44	2.44	2.52	2.38	2.36	2.67	2.47	2.48	2.43	2.49	2.47	
Standard deviation	0.59	0.64	0.64	0.73	0.66	0.66	0.53	0.62	0.62	0.53	0.66	0.68	
Significance	-	**	**	-			-	**	*	-			
Effect size	-	0.28	0.28	-	0.21	0.24	-	0.32	0.31	-	-0.09	-0.06	

Sample University	Total			Men/Trans men			Women/Trans women			Genderqueer, gender non-conforming, identity not listed			CIRP Construct
	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>Evaluate the quality or reliability of information you received</b>													
Frequently	64.9%	60.4%	60.4%	72.7%	61.7%	61.0%	59.7%	58.6%	58.9%	87.5%	67.5%	69.2%	Habits of Mind
Occasionally	29.9%	35.5%	35.5%	13.6%	34.9%	35.3%	37.3%	37.1%	36.9%	12.5%	26.6%	24.9%	
Not at all	5.2%	4.2%	4.1%	13.6%	3.4%	3.7%	3.0%	4.3%	4.2%	0.0%	6.0%	5.9%	
Total (n)	97	3,674	5,885	22	1,158	1,938	67	2,181	3,506	8	335	441	
Mean	2.60	2.56	2.56	2.59	2.58	2.57	2.57	2.54	2.55	2.88	2.61	2.63	
Standard deviation	0.59	0.57	0.57	0.73	0.56	0.56	0.56	0.58	0.58	0.35	0.60	0.59	
Significance	-			-			-			-			
Effect size	-	0.07	0.07	-	0.02	0.04	-	0.05	0.03	-	0.45	0.42	
<b>Take a risk because you felt you had more to gain</b>													
Frequently	29.6%	36.3%	36.8%	26.1%	39.6%	40.1%	28.4%	33.7%	34.3%	50.0%	42.0%	42.5%	Habits of Mind
Occasionally	57.1%	51.4%	51.8%	43.5%	50.3%	50.4%	62.7%	53.5%	53.7%	50.0%	42.0%	43.0%	
Not at all	13.3%	12.3%	11.4%	30.4%	10.1%	9.5%	9.0%	12.8%	12.1%	0.0%	16.1%	14.5%	
Total (n)	98	3,673	5,885	23	1,158	1,940	67	2,179	3,503	8	336	442	
Mean	2.16	2.24	2.25	1.96	2.29	2.31	2.19	2.21	2.22	2.50	2.26	2.28	
Standard deviation	0.64	0.65	0.65	0.77	0.64	0.63	0.58	0.65	0.64	0.53	0.72	0.70	
Significance	-			-	*	**	-			-			
Effect size	-	-0.12	-0.14	-	-0.52	-0.56	-	-0.03	-0.05	-	0.33	0.31	
<b>Seek alternative solutions to a problem</b>													
Frequently	53.1%	55.6%	54.7%	43.5%	55.7%	54.2%	55.2%	54.7%	54.1%	62.5%	61.0%	61.6%	Habits of Mind
Occasionally	43.9%	41.3%	42.0%	47.8%	40.8%	42.7%	43.3%	42.4%	42.6%	37.5%	35.1%	33.9%	
Not at all	3.1%	3.2%	3.3%	8.7%	3.5%	3.1%	1.5%	2.9%	3.3%	0.0%	3.9%	4.5%	
Total (n)	98	3,675	5,889	23	1,158	1,939	67	2,181	3,507	8	336	443	
Mean	2.50	2.52	2.51	2.35	2.52	2.51	2.54	2.52	2.51	2.63	2.57	2.57	
Standard deviation	0.56	0.56	0.56	0.65	0.56	0.56	0.53	0.56	0.56	0.52	0.57	0.58	
Significance	-			-			-			-			
Effect size	-	-0.04	-0.02	-	-0.30	-0.29	-	0.04	0.05	-	0.11	0.10	
<b>Look up scientific research articles and resources</b>													
Frequently	53.1%	56.5%	56.9%	43.5%	52.5%	51.4%	55.2%	58.0%	59.2%	62.5%	60.3%	62.2%	Habits of Mind
Occasionally	34.7%	35.4%	34.9%	43.5%	39.3%	40.1%	31.3%	33.9%	32.8%	37.5%	31.6%	28.5%	
Not at all	12.2%	8.1%	8.2%	13.0%	8.1%	8.5%	13.4%	8.0%	7.9%	0.0%	8.1%	9.3%	
Total (n)	98	3,677	5,888	23	1,159	1,940	67	2,183	3,506	8	335	442	
Mean	2.41	2.48	2.49	2.30	2.44	2.43	2.42	2.50	2.51	2.63	2.52	2.53	
Standard deviation	0.70	0.64	0.64	0.70	0.64	0.64	0.72	0.64	0.64	0.52	0.64	0.66	
Significance	-			-			-			-			
Effect size	-	-0.11	-0.13	-	-0.22	-0.20	-	-0.13	-0.14	-	0.17	0.15	



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### 1. CIRP Construct Mean Reports

How to Read the CIRP Construct Mean Reports

- a. Habits of Mind
- b. Academic Disengagement
- c. Faculty Interaction: Mentorship
- d. Satisfaction with Coursework
- e. Overall Satisfaction
- f. Sense of Belonging
- g. Academic Self-Concept
- h. Social Self-Concept
- i. Pluralistic Orientation
- j. Positive Cross-Racial Interaction
- k. Negative Cross-Racial Interaction
- l. Social Agency
- m. Civic Awareness
- n. Leadership
- o. Civic Engagement
- p. Science Identity
- q. Science Self-Efficacy

### 2. CIRP Construct Percentage Reports

How to Read the CIRP Construct Percentage Reports

- a. Habits of Mind
- b. Academic Disengagement
- c. Faculty Interaction: Mentorship
- d. Satisfaction with Coursework
- e. Overall Satisfaction
- f. Sense of Belonging
- g. Academic Self-Concept
- h. Social Self-Concept
- i. Pluralistic Orientation
- j. Positive Cross-Racial Interaction
- k. Negative Cross-Racial Interaction
- l. Social Agency
- m. Civic Awareness
- n. Leadership
- o. Civic Engagement
- p. Science Identity
- q. Science Self-Efficacy

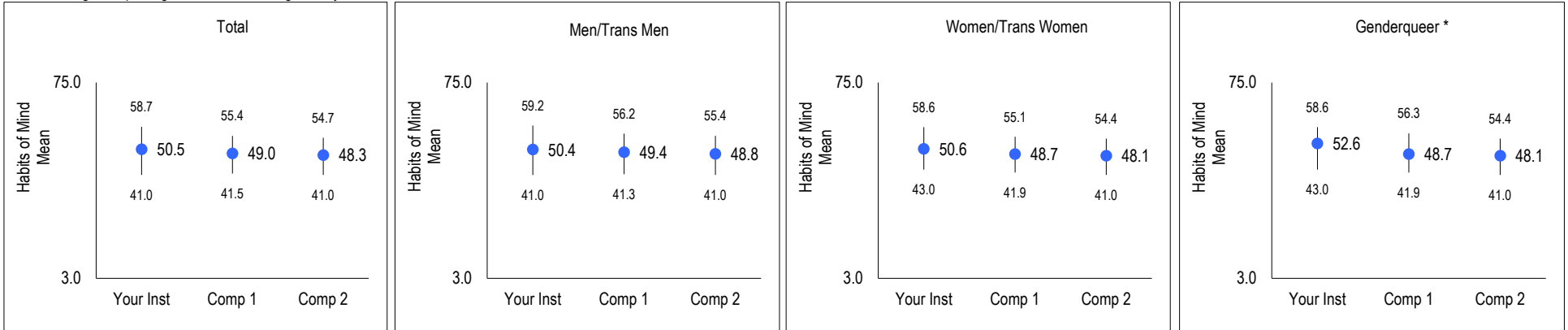
**College Senior Survey  
CIRP Construct Mean Report  
Habits of Mind  
Graduating Seniors**

**Habits of Mind** is a unified measure of the behaviors and traits associated with academic success. These learning behaviors are seen as the foundation for lifelong learning.

insert name	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
Total (n)	267	2,862	9,800	111	1,132	3,471	156	1,730	6,329	156	1,730	6,329
Mean	50.5	49.0	48.3	50.4	49.4	48.8	50.6	48.7	48.1	52.6	48.7	48.1
Standard deviation	10.82	9.43	9.34	11.31	9.63	9.48	10.50	9.30	9.25	10.50	9.30	9.25
Significance	-	*	***	-	-	-	-	*	***	-	*	***
Effect size	-	0.16	0.23	-	0.10	0.17	-	0.21	0.27	-	0.21	0.27
25th percentile	41.0	41.5	41.0	41.0	41.3	41.0	43.0	41.9	41.0	43.0	41.9	41.0
75th percentile	58.7	55.4	54.7	59.2	56.2	55.4	58.6	55.1	54.4	58.6	56.3	54.4

Note: Significance \* p<.05, \*\* p<.01, \*\*\* p<.001

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



**Survey items and estimation "weights":**

How often in the past year did you:

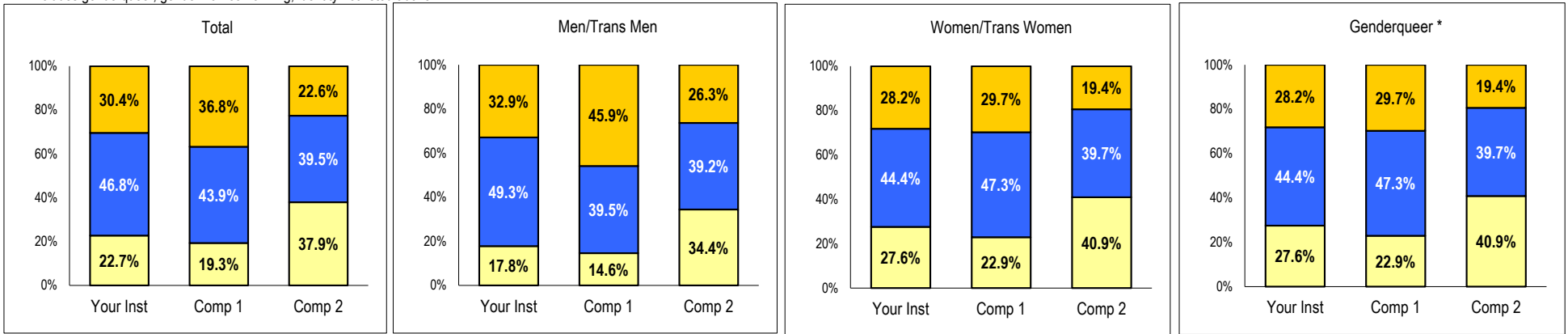
- \* Ask questions in class (2.46)
- \* Support your opinions with a logical argument (3.57)
- \* Seek solutions to problems and explain them to others (3.92)
- \* Revise your papers to improve your writing (2.39)
- \* Evaluate the quality or reliability of information you received (3.12)
- \* Take a risk because you felt you had more to gain (2.91)
- \* Seek alternative solutions to a problem (3.81)
- \* Look up scientific research articles and resources (1.97)
- \* Explore topics on your own, even though it was not required for a class (2.81)
- \* Accept mistakes as part of the learning process (2.51)
- \* Seek feedback on your academic work (3.29)

**Habits of Mind** is a unified measure of the behaviors and traits associated with academic success. These learning behaviors are seen as the foundation for lifelong learning.

insert name	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
Total (n)	313	13,401	30,456	153	5,876	13,369	160	7,525	17,087	160	7,525	17,087
High Habits of Mind	30.4%	36.8%	22.6%	32.9%	45.9%	26.3%	28.2%	29.7%	19.4%	28.2%	29.7%	19.4%
Average Habits of Mind	46.8%	43.9%	39.5%	49.3%	39.5%	39.2%	44.4%	47.3%	39.7%	44.4%	47.3%	39.7%
Low Habits of Mind	22.7%	19.3%	37.9%	17.8%	14.6%	34.4%	27.6%	22.9%	40.9%	27.6%	22.9%	40.9%
Significance (based on High score group)	-	*	***	-	**	***	-		***	-		***

Note: Significance \* p<.05, \*\* p<.01, \*\*\* p<.001

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



**Survey items and estimation "weights":**

How often in the past year did you:

- \* Ask questions in class (2.46)
- \* Support your opinions with a logical argument (3.57)
- \* Seek solutions to problems and explain them to others (3.92)
- \* Revise your papers to improve your writing (2.39)
- \* Evaluate the quality or reliability of information you received (3.12)
- \* Take a risk because you felt you had more to gain (2.91)
- \* Seek alternative solutions to a problem (3.81)
- \* Look up scientific research articles and resources (1.97)
- \* Explore topics on your own, even though it was not required for a class (2.81)
- \* Accept mistakes as part of the learning process (2.51)
- \* Seek feedback on your academic work (3.29)



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### 1. CIRP Theme Reports

How to Read the CIRP Theme Reports

- a. Academic Outcomes
  - b. Interaction with Faculty
  - c. Academic Enhancement Experiences
  - d. Active and Collaborative Learning
  - e. Satisfaction with Academic Support and Courses
  - f. Satisfaction with Services and Community
  - g. Written and Oral Communication
  - h. Civic Engagement: Participation, Awareness, and Values
  - i. Diversity
  - j. Health and Wellness
  - k. Religiosity/Spirituality
  - l. Career Planning
  - m. Voluntary System of Accountability (VSA)
-



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

See also — CIRP Constructs: Civic Awareness, Academic Self-Concept, Academic Disengagement, Faculty Interaction: Mentorship.

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

Sample University	Graduating Seniors			Men/Trans men			Women/Trans women			Genderqueer*			Construct
	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>Please indicate your agreement with each of the following statements. This institution has contributed to my:</b>													
<b>Knowledge of a particular field or discipline</b>													
Strongly agree / Agree	85.4%	92.0%	89.5%	83.3%	90.3%	87.9%	90.3%	93.0%	90.5%	50.0%	91.4%	88.4%	
Mean	3.05	3.39	3.30	3.17	3.35	3.26	3.13	3.41	3.33	2.25	3.39	3.28	
Standard deviation	0.74	0.67	0.71	0.75	0.69	0.72	0.67	0.66	0.69	0.96	0.74	0.78	
Significance	-	**	*	-			-	*		-	**	**	
Effect size	-	-0.51	-0.35	-	-0.26	-0.13	-	-0.42	-0.29	-	-1.54	-1.32	
<b>Problem-solving skills</b>													
Strongly agree / Agree	87.8%	94.1%	94.1%	100.0%	93.3%	93.4%	90.4%	95.2%	95.1%	50.0%	89.4%	87.9%	
Mean	3.27	3.38	3.36	3.67	3.42	3.36	3.29	3.37	3.36	2.50	3.33	3.29	
Standard deviation	0.87	0.63	0.63	0.52	0.65	0.65	0.82	0.60	0.60	1.29	0.76	0.79	
Significance	-			-			-			-	*		
Effect size	-	-0.17	-0.14	-	0.38	0.48	-	-0.13	-0.12	-	-1.09	-1.00	
<b>Foreign language ability</b>													
Strongly agree / Agree	29.3%	51.9%	50.7%	33.4%	48.8%	47.6%	29.1%	53.3%	52.0%	25.0%	53.1%	54.0%	
Mean	2.17	2.56	2.52	2.33	2.51	2.47	2.23	2.59	2.55	1.50	2.59	2.58	
Standard deviation	0.89	0.97	0.97	1.03	0.99	0.98	0.84	0.96	0.96	1.00	0.95	0.98	
Significance	-	*	*	-			-	*		-	*	*	
Effect size	-	-0.40	-0.36	-	-0.18	-0.14	-	-0.38	-0.33	-	-1.15	-1.10	
<b>How often in the past year did you:</b>													
<b>Ask questions in class</b>													
Frequently / Occasionally	95.6%	88.3%	85.8%	100.0%	89.5%	86.7%	94.2%	87.8%	85.2%	100.0%	87.3%	86.4%	
Mean	2.33	2.25	2.19	2.17	2.28	2.20	2.31	2.23	2.17	2.75	2.39	2.33	
Standard deviation	0.56	0.65	0.66	0.41	0.64	0.66	0.58	0.65	0.66	0.50	0.70	0.70	
Significance	-			-			-			-			
Effect size	-	0.12	0.21	-	-0.17	-0.05	-	0.12	0.21	-	0.51	0.60	



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

See also — CIRP Constructs: Civic Awareness, Academic Self-Concept, Academic Disengagement, Faculty Interaction: Mentorship.

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

Sample University	Graduating Seniors			Men/Trans men			Women/Trans women			Genderqueer*			Construct
	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>Support your opinions with a logical argument</b>													
Frequently / Occasionally	97.7%	94.3%	95.5%	100.0%	96.1%	96.5%	97.2%	93.3%	95.0%	100.0%	94.5%	94.6%	Habits of Mind
Mean	2.62	2.52	2.55	2.50	2.59	2.61	2.60	2.48	2.52	3.00	2.59	2.61	
Standard deviation	0.53	0.60	0.58	0.55	0.57	0.56	0.55	0.62	0.59	0.00	0.59	0.59	
Significance	-			-			-			-			
Effect size	-	0.17	0.12	-	-0.16	-0.20	-	0.19	0.14	-	0.69	0.66	
<b>Seek solutions to problems and explain them to others</b>													
Frequently / Occasionally	100.0%	96.3%	96.5%	100.0%	97.7%	97.2%	100.0%	95.7%	96.4%	100.0%	94.5%	95.1%	Habits of Mind
Mean	2.58	2.55	2.58	2.33	2.58	2.60	2.60	2.53	2.56	2.75	2.57	2.59	
Standard deviation	0.50	0.57	0.56	0.52	0.54	0.54	0.50	0.58	0.56	0.50	0.60	0.58	
Significance	-			-			-			-			
Effect size	-	0.05	0.00	-	-0.46	-0.50	-	0.12	0.07	-	0.30	0.28	
<b>Revise your papers to improve your writing</b>													
Frequently / Occasionally	100.0%	93.0%	92.5%	100.0%	90.5%	89.9%	100.0%	93.9%	93.9%	100.0%	95.1%	92.5%	Habits of Mind
Mean	2.75	2.47	2.47	2.67	2.40	2.37	2.80	2.50	2.51	2.33	2.58	2.54	
Standard deviation	0.44	0.62	0.63	0.52	0.66	0.66	0.41	0.61	0.61	0.58	0.59	0.63	
Significance	-	**	**	-			-	**	**	-			
Effect size	-	0.45	0.44	-	0.41	0.45	-	0.49	0.48	-	-0.42	-0.33	
<b>Evaluate the quality or reliability of information you received</b>													
Frequently / Occasionally	100.0%	96.5%	96.4%	100.0%	97.4%	96.8%	100.0%	96.4%	96.5%	100.0%	93.3%	93.7%	Habits of Mind
Mean	2.71	2.59	2.59	2.67	2.62	2.60	2.71	2.57	2.57	2.75	2.65	2.67	
Standard deviation	0.46	0.56	0.56	0.52	0.54	0.55	0.46	0.56	0.56	0.50	0.60	0.59	
Significance	-			-			-			-			
Effect size	-	0.21	0.21	-	0.09	0.13	-	0.25	0.25	-	0.17	0.14	
<b>How often in the past year did you:</b>													
<b>Take a risk because you feel you have more to gain</b>													
Frequently / Occasionally	91.1%	87.8%	88.8%	66.7%	91.9%	91.8%	94.3%	86.5%	87.7%	100.0%	82.4%	85.0%	Habits of Mind
Mean	2.22	2.25	2.26	1.67	2.35	2.34	2.29	2.21	2.22	2.50	2.25	2.28	
Standard deviation	0.60	0.66	0.65	0.52	0.62	0.62	0.57	0.66	0.65	0.58	0.74	0.71	
Significance	-			-	**	**	-			-			
Effect size	-	-0.05	-0.06	-	-1.10	-1.08	-	0.12	0.11	-	0.34	0.31	



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

See also — CIRP Constructs: Civic Awareness, Academic Self-Concept, Academic Disengagement, Faculty Interaction: Mentorship.

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

Sample University	Graduating Seniors			Men/Trans men			Women/Trans women			Genderqueer*			Construct
	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>Seek alternative solutions to a problem</b>													
Frequently / Occasionally	100.0%	97.0%	96.8%	100.0%	97.2%	97.4%	100.0%	96.8%	96.5%	100.0%	97.6%	96.3%	Habits of Mind
Mean	2.56	2.53	2.52	2.17	2.53	2.52	2.63	2.51	2.51	2.50	2.58	2.58	
Standard deviation	0.50	0.56	0.56	0.41	0.55	0.55	0.49	0.56	0.56	0.58	0.54	0.57	
Significance	-			-			-			-			
Effect size	-	0.05	0.07	-	-0.65	-0.64	-	0.21	0.21	-	-0.15	-0.14	
<b>Look up scientific research articles and resources</b>													
Frequently / Occasionally	91.1%	92.7%	92.5%	100.0%	93.5%	92.4%	88.6%	92.2%	92.4%	100.0%	94.5%	93.0%	Habits of Mind
Mean	2.58	2.53	2.52	2.67	2.49	2.46	2.57	2.54	2.55	2.50	2.56	2.57	
Standard deviation	0.66	0.63	0.63	0.52	0.62	0.63	0.70	0.64	0.63	0.58	0.60	0.62	
Significance	-			-			-			-			
Effect size	-	0.08	0.10	-	0.29	0.33	-	0.05	0.03	-	-0.10	-0.11	
<b>Explore topics on your own, even though it was not required for a class</b>													
Frequently / Occasionally	88.9%	90.0%	91.1%	83.3%	91.1%	92.5%	88.6%	90.1%	90.6%	100.0%	85.4%	88.8%	Habits of Mind
Mean	2.40	2.39	2.39	2.17	2.43	2.44	2.43	2.37	2.36	2.50	2.40	2.45	
Standard deviation	0.69	0.66	0.64	0.75	0.65	0.63	0.70	0.66	0.65	0.58	0.73	0.69	
Significance	-			-			-			-			
Effect size	-	0.02	0.02	-	-0.40	-0.43	-	0.09	0.11	-	0.14	0.07	
<b>How often in the past year did you:</b>													
<b>Accept mistakes as part of the learning process</b>													
Frequently / Occasionally	100.0%	98.6%	98.2%	100.0%	98.6%	98.0%	100.0%	98.9%	98.4%	100.0%	96.9%	96.2%	Habits of Mind
Mean	2.69	2.70	2.67	2.33	2.73	2.68	2.77	2.68	2.66	2.50	2.70	2.69	
Standard deviation	0.47	0.49	0.51	0.52	0.48	0.51	0.43	0.49	0.51	0.58	0.52	0.54	
Significance	-			-	*		-			-			
Effect size	-	-0.02	0.04	-	-0.83	-0.69	-	0.18	0.22	-	-0.38	-0.35	

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Sample University	Graduating Seniors			Men/Trans men			Women/Trans women			Genderqueer*			Construct
	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>Seek feedback on your academic work</b>													
Frequently / Occasionally	97.8%	94.1%	93.9%	83.3%	92.9%	93.2%	100.0%	94.4%	94.0%	100.0%	95.1%	94.2%	Habits of Mind
Mean	2.60	2.50	2.47	2.33	2.47	2.42	2.69	2.50	2.48	2.25	2.58	2.57	
Standard deviation	0.54	0.61	0.61	0.82	0.63	0.62	0.47	0.60	0.61	0.50	0.59	0.60	
Significance	-			-			-		*	-			
Effect size	-	0.16	0.21	-	-0.22	-0.15	-	0.32	0.34	-	-0.56	-0.53	
<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	74.3%	68.1%	70.0%	60.0%	72.5%	74.5%	76.9%	66.5%	68.4%	75.0%	62.9%	63.5%	Academic Self-Concept
Mean	3.97	3.86	3.90	3.80	3.95	3.97	3.92	3.83	3.87	4.50	3.79	3.79	
Standard deviation	0.86	0.78	0.80	1.30	0.80	0.81	0.74	0.77	0.78	1.00	0.80	0.84	
Significance	-			-			-			-			
Effect size	-	0.14	0.09	-	-0.19	-0.21	-	0.12	0.06	-	0.89	0.85	
<b>Mathematical ability</b>													
Highest 10% / Above average	23.5%	36.7%	40.3%	20.0%	47.7%	52.1%	23.1%	31.2%	34.5%	33.3%	36.1%	36.9%	Academic Self-Concept
Mean	3.00	3.19	3.26	3.40	3.48	3.53	2.92	3.06	3.12	3.00	3.16	3.18	
Standard deviation	0.82	1.01	0.99	0.89	1.01	0.98	0.80	0.98	0.97	1.00	0.99	1.04	
Significance	-			-			-			-			
Effect size	-	-0.19	-0.26	-	-0.08	-0.13	-	-0.14	-0.21	-	-0.16	-0.17	

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

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Sample University	Graduating Seniors			Men/Trans men			Women/Trans women			Genderqueer*			Construct
	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>Self-confidence (intellectual)</b>													
Highest 10% / Above average	52.9%	55.3%	56.2%	60.0%	69.1%	66.8%	50.0%	48.9%	51.2%	66.7%	51.5%	52.3%	Academic Self-Concept
Mean	3.74	3.60	3.60	3.60	3.86	3.79	3.69	3.46	3.50	4.33	3.61	3.61	
Standard deviation	0.86	0.94	0.93	0.55	0.87	0.91	0.88	0.95	0.93	1.15	0.92	0.95	
Significance	-			-			-			-			
Effect size	-	0.15	0.15	-	-0.30	-0.21	-	0.24	0.20	-	0.78	0.76	
<b>Writing ability</b>													
Highest 10% / Above average	58.8%	57.1%	57.9%	40.0%	60.0%	56.8%	61.6%	55.6%	58.0%	66.6%	56.7%	62.6%	Academic Self-Concept
Mean	3.71	3.65	3.66	3.80	3.67	3.62	3.65	3.63	3.68	4.00	3.69	3.74	
Standard deviation	0.94	0.89	0.89	1.10	0.88	0.90	0.94	0.89	0.88	1.00	0.91	0.90	
Significance	-			-			-			-			
Effect size	-	0.07	0.06	-	0.15	0.20	-	0.02	-0.03	-	0.34	0.29	
<b>Rate yourself on each of the following traits as compared with the average person your age.</b>													
<b>Critical thinking skills</b>													
A Major Strength / Somewhat Strong	85.0%	85.4%	86.3%	83.3%	87.8%	88.1%	83.3%	84.3%	85.4%	100.0%	84.0%	86.6%	
Mean	4.28	4.35	4.37	4.17	4.43	4.43	4.20	4.31	4.33	5.00	4.34	4.40	
Standard deviation	0.78	0.78	0.75	0.75	0.75	0.74	0.81	0.78	0.75	0.00	0.82	0.77	
Significance	-			-			-			-			
Effect size	-	-0.09	-0.12	-	-0.35	-0.35	-	-0.14	-0.17	-	0.80	0.78	



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**Men/Trans men**

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**Women/Trans women**

- a. Habits of Mind
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CIRP Freshman Survey / College Senior Survey  
Habits of Mind  
CIRP Longitudinal Construct Report  
All Respondents

insert name	Your Institution			Comp Group 1			Comp Group 2		
	TFS	CSS	Change	TFS	CSS	Change	TFS	CSS	Change
<b>Longitudinal Mean Report</b>									
Total (n)	131	131	-	3,972	3,972	-	10,316	10,316	-
Mean	50.1	50.8	0.7	50.4	50.7	0.4	49.8	50.1	0.3
Standard deviation	7.31	8.14	-	8.22	8.78	-	8.32	8.82	-
Significance	-	-	-	-	-	-	-	**	-
Effect size	-	-0.09	-	-	-0.04	-	-	-0.04	-
25th percentile	45.5	45.9	0.4	44.9	44.9	0.0	44.3	44.2	-0.1
75th percentile	54.6	56.0	1.4	55.6	56.7	1.1	55.2	55.9	0.7
<p>The population mean in the senior year increased by 0.1.</p>									
<b>Longitudinal Percentage Report</b>									
Total (n)	131	131	-	3,972	3,972	-	10,316	10,316	-
High Construct Score Group	22.1%	29.8%	7.6%	27.4%	30.3%	2.9%	25.7%	28.2%	2.4%
Average Construct Score Group	54.2%	48.1%	-6.1%	47.4%	44.2%	-3.2%	46.0%	43.8%	-2.2%
Low Construct Score Group	23.7%	22.1%	-1.5%	25.2%	25.5%	0.2%	28.3%	28.1%	-0.2%
Significance (based on High Score Group)	-	-	-	-	-	-	-	*	-



CIRP Freshman Survey / College Senior Survey  
Habits of Mind  
CIRP Longitudinal Construct Report  
All Respondents

