
NSSE 2024 Topical Module Report

First-Year Experiences & Senior Transitions

California State University, Chico

This module includes a set of items only for first-year students and a set only for seniors, with questions adapted from the Beginning College Survey of Student Engagement and the Strategic National Arts Alumni Project, respectively. The first-year items focus on academic perseverance, help-seeking behaviors, and institutional commitment, while the senior items explore post-graduation plans, links between the academic major and future plans, and confidence with skills developed during college.

Comparison group details are in the online Selected Comparison Groups report, linked in the Data & Reports table on the Institution Interface. A PDF copy is also saved in your report download folder.

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First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				CSU, Chico		FY Exp / Sr Transitrn		CSU, Chico	FY Exp / Sr Transitrn	Effect size ^d
				Count	%	Count	%	Mean	Mean	
1. During the current school year, about how often have you done the following?										
a. Studied when there were other interesting things to do	FYSfy01a	1	Never	6	9	1,187	4	2.6	2.8	-.22
		2	Sometimes	24	35	9,765	33			
		3	Often	26	40	11,297	37			
		4	Very often	12	17	7,876	25			
		Total		68	100	30,125	100			
b. Found additional information for course assignments when you didn't understand the material	FYSfy01b	1	Never	3	5	839	3	2.8	2.9	-.16
		2	Sometimes	22	34	8,665	29			
		3	Often	31	43	13,655	45			
		4	Very often	13	18	6,923	23			
		Total		69	100	30,082	100			
c. Participated in course discussions, even when you didn't feel like it	FYSfy01c	1	Never	5	8	3,085	10	2.6	2.6	.00
		2	Sometimes	26	37	11,161	37			
		3	Often	27	41	10,767	36			
		4	Very often	11	14	5,097	17			
		Total		69	100	30,110	100			
d. Asked instructors for help when you struggled with course assignments	FYSfy01d	1	Never	5	7	3,494	12	2.4	2.5	-.07
		2	Sometimes	35	53	13,316	44			
		3	Often	23	34	9,124	30			
		4	Very often	6	7	4,162	14			
		Total		69	100	30,096	100			
e. Finished something you have started when you encountered challenges	FYSfy01e	1	Never	4	6	318	1	2.9	3.1 **	-.32
		2	Sometimes	16	23	5,360	18			
		3	Often	33	49	14,850	49			
		4	Very often	16	22	9,540	32			
		Total		69	100	30,068	100			
f. Stayed positive, even when you did poorly on a test or assignment	FYSfy01f	1	Never	2	3	1,365	5	2.8	2.8	-.07
		2	Sometimes	23	34	9,613	31			
		3	Often	33	48	12,384	41			
		4	Very often	11	16	6,718	23			
		Total		69	100	30,080	100			
2. During the current school year, how difficult have the following been for you?										
a. Learning course material	FYSfy02a	1	Not at all difficult	2	4	1,221	4	3.6	3.5	.11
		2	2	3	4	4,294	14			
		3	3	24	34	8,957	30			
		4	4	32	46	10,555	35			
		5	5	6	9	3,810	12			
		6	Very difficult	2	3	1,249	4			
Total		69	100	30,086	100					
b. Managing your time	FYSfy02b	1	Not at all difficult	1	1	1,235	4	4.2	3.9	.23
		2	2	8	13	3,289	11			
		3	3	8	10	6,548	22			
		4	4	25	35	8,485	28			
		5	5	14	21	6,255	21			
		6	Very difficult	13	20	4,256	14			
Total		69	100	30,068	100					

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				CSU, Chico		FY Exp / Sr Transitrn		CSU, Chico	FY Exp / Sr Transitrn	Effect size ^d
				Count	%	Count	%	Mean	Mean	
c. Getting help with school work	FYSfy02c	1	Not at all difficult	4	5	3,866	13	3.4	3.0 *	.29 ▲
		2	2	19	27	7,291	24			
		3	3	12	18	8,654	29			
		4	4	22	32	6,219	21			
		5	5	6	9	2,672	9			
		6	Very difficult	6	9	1,348	5			
		Total		69	100	30,050	100			
d. Interacting with faculty	FYSfy02d	1	Not at all difficult	10	15	5,367	18	3.0	2.8	.16
		2	2	20	29	8,007	26			
		3	3	13	18	7,744	25			
		4	4	13	19	5,461	18			
		5	5	9	13	2,362	8			
		6	Very difficult	4	6	1,115	4			
		Total		69	100	30,056	100			
3. During the current school year, about how often have you sought help with coursework from the following sources?										
a. Faculty members	FYSfy03a_16	1	Never	11	16	5,439	19	2.1	2.2	-.04
		2	Sometimes	39	57	15,882	52			
		3	Often	17	25	6,752	23			
		4	Very often	2	2	1,967	6			
		Total		69	100	30,040	100			
b. Academic advisors	FYSfy03b_16	1	Never	26	40	14,817	48	1.7	1.7	-.01
		2	Sometimes	35	48	10,347	35			
		3	Often	8	12	3,735	13			
		4	Very often	0	0	1,114	4			
		Total		69	100	30,013	100			
c. Learning support services (tutoring, writing center, success coaching, etc.)	FYSfy03c_16	1	Never	26	38	14,619	48	1.9	1.8	.13
		2	Sometimes	27	40	9,342	32			
		3	Often	10	16	4,163	14			
		4	Very often	5	7	1,873	6			
		Total		68	100	29,997	100			
d. Friends or other students	FYSfy03d_16	1	Never	7	11	2,216	8	2.5	2.8 *	-.30 ▼
		2	Sometimes	28	43	8,896	31			
		3	Often	23	32	11,182	37			
		4	Very often	10	14	7,720	24			
		Total		68	100	30,014	100			
e. Family members	FYSfy03e_16	1	Never	37	55	12,473	42	1.6	1.9 *	-.30 ▼
		2	Sometimes	22	31	9,779	32			
		3	Often	7	10	5,295	17			
		4	Very often	3	4	2,479	8			
		Total		69	100	30,026	100			
f. Other persons or offices	FYSfy03f_16	1	Never	42	62	19,134	63	1.4	1.5	-.10
		2	Sometimes	23	32	7,482	26			
		3	Often	4	6	2,481	9			
		4	Very often	0	0	919	3			
		Total		69	100	30,016	100			

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				CSU, Chico		FY Exp / Sr Transiti		CSU, Chico	FY Exp / Sr Transiti	Effect size ^d
				Count	%	Count	%	Mean	Mean	
4. During the current school year, did you take a course intended for first-year students as described below?^j										
a. A course that introduces students to college and helps develop success skills (study skills, goal setting, time management, etc.)	FYSfycourse	Yes		35	52	12,944	44	52%	44%	.16
		No		21	30	13,691	45			
		Unsure		13	18	3,322	11			
		Total		69	100	29,957	100			
b. A first-year seminar or other course focused on a specialized topic or academic subject that emphasizes discussion and analysis	FYSfyseminar	Yes		29	43	13,976	47	43%	47%	-.07
		No		17	25	11,435	38			
		Unsure		22	31	4,502	15			
		Total		68	100	29,913	100			
5a. During the current school year, have you seriously considered leaving this institution?^j										
	FYSfy04a	No		35	51	21,142	71	49%	29% **	.41
		Yes		34	49	8,841	29			
		Total		69	100	29,983	100			

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First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				CSU, Chico		FY Exp / Sr Transiti		CSU, Chico	FY Exp / Sr Transiti	
				Count	%	Count	%	Mean	Mean	Effect size ^d
5b. [if answered "yes"] Why did you consider leaving? (Select all that apply.)										
	FYSfy04b_1_16	—	Academics are too difficult	7	21	1,785	21			
	FYSfy04b_2_16	—	Academics are too easy	0	0	387	5			
	FYSfy04b_3_16	—	Other academic issues (major not offered, course availability, advising, credit transfer, etc.)	3	7	1,505	17			
	FYSfy04b_4_16	—	Financial concerns (costs or financial aid)	12	36	3,536	41			
	FYSfy04b_5_16	—	To change your career options (transfer to another school or program, military service, etc.)	3	10	1,865	21			
	FYSfy04b_6_16	—	Difficulty managing demands of school and work	5	17	1,798	21			
	FYSfy04b_7_16	—	Too much emphasis on partying	5	14	416	5			
	FYSfy04b_8_16	—	Not enough opportunities to socialize and have fun	3	9	1,709	20			
	FYSfy04b_9_16	—	Experiences with faculty and staff	1	2	1,364	16			
	FYSfy04b_10_16	—	Experiences with other students	6	17	1,689	19			
	FYSfy04b_11_16	—	Campus climate, location, or culture	8	28	2,288	26			
	FYSfy04b_12_16	—	Unsafe or hostile environment	4	10	635	8			
	FYSfy04b_13_16	—	Personal reasons (family issues, physical or mental health, homesickness, stress, etc.)	19	52	3,777	42			
	FYSfy04b_14_16	—	A reason not listed above, please specify:	2	6	1,156	13			
6. How important is it to you that you graduate from <i>this institution</i>?										
	FYSfy05	1	Not important	4	6	1,260	4	4.9	5.0	-.08
		2	2	3	3	1,015	4			
		3	3	6	7	2,052	7			
		4	4	11	17	4,105	14			
		5	5	10	14	5,129	17			
		6	Very important	37	52	16,344	54			
		Total		71	100	29,905	100			

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First-Year Students

Variable name	N	Mean		Standard error ^f		Standard deviation ^g		DF ^h	Sig. ⁱ	Effect size ^d
		CSU, Chico	FY Exp / Sr Transiti	CSU, Chico	FY Exp / Sr Transiti	CSU, Chico	FY Exp / Sr Transiti			
FYSfy01a	69	2.65	2.83	.104	.009	.87	.85	8,964	.068	-.22
FYSfy01b	70	2.76	2.88	.096	.008	.81	.79	8,952	.182	-.16
FYSfy01c	70	2.60	2.61	.099	.009	.83	.88	8,960	.976	.00
FYSfy01d	70	2.41	2.47	.087	.009	.73	.87	71	.500	-.07
FYSfy01e	70	2.88	3.11	.098	.008	.82	.73	8,944	.007	-.32
FYSfy01f	70	2.76	2.82	.090	.009	.75	.83	8,952	.542	-.07
FYSfy02a	70	3.62	3.49	.115	.012	.97	1.14	71	.277	.11
FYSfy02b	70	4.22	3.92	.155	.014	1.30	1.35	8,946	.058	.23
FYSfy02c	70	3.39	3.01	.162	.014	1.35	1.32	8,944	.016	.29
FYSfy02d	70	3.04	2.82	.174	.014	1.46	1.34	8,945	.179	.16
FYSfy03a_16	70	2.14	2.17	.084	.009	.70	.80	8,940	.721	-.04
FYSfy03b_16	70	1.72	1.73	.080	.009	.67	.84	71	.959	-.01
FYSfy03c_16	69	1.91	1.79	.108	.010	.90	.91	8,928	.275	.13
FYSfy03d_16	69	2.50	2.77	.104	.010	.87	.91	8,930	.012	-.30
FYSfy03e_16	70	1.64	1.92	.099	.010	.83	.96	8,934	.013	-.30
FYSfy03f_16	70	1.44	1.52	.073	.008	.61	.78	71	.289	-.10
FYSfycourse ^k	70	52%	44%	.0600	.0053	--	--	--	.186	.16
FYSfyseminar ^k	69	43%	47%	.0599	.0053	--	--	--	.566	-.07
FYSfy04a ^k	70	49%	29%	.0601	.0048	--	--	--	.001	.41
FYSfy05	72	4.87	4.99	.177	.015	1.50	1.41	8,907	.496	-.08

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Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				CSU, Chico		FY Exp / Sr Transitn		CSU, Chico	FY Exp / Sr Transitn	
				Count	%	Count	%	Mean	Mean	Effect size ^d
1. Do you expect to graduate this spring or summer?										
	FYSr01_16	No		14	11	8,605	31			
		Yes		114	89	22,347	69			
		Total		128	100	30,952	100			
1a. [Excludes those who answered "No," not expecting spring/summer graduation] After graduation, what best describes your immediate plans?										
	FYSr01a	—	Full-time employment	49	43	12,544	56			
		—	Part-time employment	7	6	1,229	5			
		—	Graduate or professional school	40	34	5,679	25			
		—	Military service	0	0	124	1			
		—	Service or volunteer activity (AmeriCorps, Peace Corps, Teach for America, etc.)	2	2	64	0			
		—	Internship (paid or unpaid)	5	5	763	3			
		—	Travel or gap year	6	5	979	4			
		—	No plans at this time	2	1	759	3			
		—	Other, please specify:	4	4	505	2			
		Total		115	100	22,646	100			
1b. [If immediate plans included full- or part-time employment] Do you already have a job for after graduation?^j										
	FYSr01b	No		31	56	6,429	47	44%	53%	-.18
		(Means indicate the percentage who responded "Yes.")	Yes, I will start a new job	10	19	4,041	29			
			Yes, I will continue in my current job	15	25	3,223	24			
			Total	56	100	13,693	100			
2. [Excludes those who answered "No," not expecting spring/summer graduation] To what extent have courses in your major(s) prepared you for your post-graduation plans?										
	FYSr02	1	Very little	9	9	1,531	7	3.1	2.9 *	.19
		2	Some	16	15	5,283	24			
		3	Quite a bit	41	35	8,829	38			
		4	Very much	49	42	6,950	31			
		Total		115	100	22,593	100			
3. Do you intend to work eventually in a field related to your major(s)?^j										
	FYSr03	Yes		115	91	26,679	86	91%	86%	.16
		(Means indicate the percentage who responded "Yes.")	No	2	2	1,286	4			
			Unsure	9	7	3,164	10			
			Total	126	100	31,129	100			
4. Do you plan to be self-employed, an independent contractor, or a freelance worker someday?^j										
	FYSr04	Yes		21	17	6,273	21	17%	21%	-.09
		(Means indicate the percentage who responded "Yes.")	No	69	54	15,386	49			
			Unsure	36	28	9,515	31			
			Total	126	100	31,174	100			

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				CSU, Chico		FY Exp / Sr Transitm		CSU, Chico	FY Exp / Sr Transitm	
				Count	%	Count	%	Mean	Mean	Effect size ^d
5. Do you plan to start your own business (nonprofit or for-profit) someday?^j										
	FYSsr05	Yes		26	20	6,755	23	20%	23%	-.08
		No		61	48	14,527	45			
		Unsure		40	32	9,858	32			
		Total		127	100	31,140	100			
6. How much confidence do you have in your ability to complete tasks requiring the following skills and abilities?^j										
a. Critical thinking and analysis of arguments and information	FYSsr06a	1	Very little	0	0	216	1	3.5	3.4	.09
		2	Some	10	9	2,469	8			
		3	Quite a bit	42	34	12,419	39			
		4	Very much	75	58	16,005	52			
		Total		127	100	31,109	100			
b. Creative thinking and problem solving	FYSsr06b	1	Very little	1	1	202	1	3.5	3.4	.09
		2	Some	4	4	2,333	8			
		3	Quite a bit	49	39	12,135	38			
		4	Very much	73	56	16,404	53			
		Total		127	100	31,074	100			
c. Research skills	FYSsr06c	1	Very little	2	2	776	2	3.2	3.2	.07
		2	Some	19	16	5,434	17			
		3	Quite a bit	49	37	12,603	40			
		4	Very much	57	44	12,287	40			
		Total		127	100	31,100	100			
d. Clear writing	FYSsr06d	1	Very little	4	4	405	1	3.4	3.3	.13
		2	Some	5	4	3,865	13			
		3	Quite a bit	49	39	12,806	41			
		4	Very much	69	52	14,023	45			
		Total		127	100	31,099	100			
e. Persuasive speaking	FYSsr06e	1	Very little	2	2	1,132	4	3.1	3.0	.12
		2	Some	28	23	7,236	24			
		3	Quite a bit	46	35	12,397	39			
		4	Very much	50	40	10,315	34			
		Total		126	100	31,080	100			
f. Technological skills	FYSsr06f	1	Very little	0	0	1,051	3	3.1	3.1	.07
		2	Some	25	20	7,147	22			
		3	Quite a bit	62	49	12,653	40			
		4	Very much	39	31	10,227	34			
		Total		126	100	31,078	100			
g. Financial and business management skills	FYSsr06g	1	Very little	21	17	6,098	19	2.4	2.4	-.08
		2	Some	58	46	11,246	36			
		3	Quite a bit	25	20	8,394	27			
		4	Very much	23	17	5,335	18			
		Total		127	100	31,073	100			
h. Entrepreneurial skills	FYSsr06h	1	Very little	35	30	8,222	26	2.2	2.3	-.08
		2	Some	47	36	11,375	36			
		3	Quite a bit	25	19	7,010	23			
		4	Very much	20	15	4,464	15			
		Total		127	100	31,071	100			

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				CSU, Chico		FY Exp / Sr Transiti ⁿ		CSU, Chico	FY Exp / Sr Transiti ⁿ	
				Count	%	Count	%	Mean	Mean	Effect size ^d
i. Leadership skills	FYSsr06i	1	Very little	2	2	1,326	4	3.2	3.1	.12
		2	Some	21	17	5,983	19			
		3	Quite a bit	47	38	11,514	37			
		4	Very much	57	43	12,251	40			
		Total		127	100	31,074	100			
j. Networking and relationship building	FYSsr06j	1	Very little	2	2	2,058	7	3.1	2.9	.15
		2	Some	33	28	7,589	24			
		3	Quite a bit	40	30	11,599	37			
		4	Very much	52	39	9,834	32			
		Total		127	100	31,080	100			
7. To what extent has your coursework in your major(s) emphasized the following?										
a. Generating new ideas or brainstorming	FYSsr07a	1	Very little	4	4	1,132	4	3.1	3.1	.09
		2	Some	22	18	6,358	21			
		3	Quite a bit	48	39	12,651	40			
		4	Very much	52	39	10,912	35			
		Total		126	100	31,053	100			
b. Taking risks in your coursework without fear of penalty	FYSsr07b	1	Very little	24	19	6,734	22	2.6	2.5	.12
		2	Some	31	25	9,380	30			
		3	Quite a bit	42	33	8,554	27			
		4	Very much	30	22	6,372	21			
		Total		127	100	31,040	100			
c. Evaluating multiple approaches to a problem	FYSsr07c	1	Very little	8	7	1,410	5	3.1	3.0	.09
		2	Some	20	16	6,407	21			
		3	Quite a bit	45	36	12,791	40			
		4	Very much	54	41	10,421	34			
		Total		127	100	31,029	100			
d. Inventing new methods to arrive at unconventional solutions	FYSsr07d	1	Very little	15	12	4,151	14	2.7	2.7	.08
		2	Some	36	30	9,384	30			
		3	Quite a bit	40	31	10,048	32			
		4	Very much	36	27	7,346	24			
		Total		127	100	30,929	100			
8. Have you been creating an ePortfolio or other collection that includes samples of your work over time, shows your progress, and helps you reflect on the knowledge and skills you have gained?^j										
	FYSsr09_21	Yes		34	27	8,531	28	27%	28%	-.02
		No		83	65	19,750	64			
		Unsure		10	8	2,661	8			
		Total		127	100	30,942	100			

9. Is there anything your institution could have done better to prepare you for your career or further education? Please describe.

This final question asked students to respond in an open text box. Comments were recorded for 57 senior(s). Responses are provided in your NSSE24 Student Comments Report and in a separate SPSS data file.

These open-ended responses appear exactly as respondents entered them and may not be suitable for distribution without prior review.

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b			
				CSU, Chico		FY Exp / Sr Transiti		CSU, Chico		FY Exp / Sr Transiti	Effect size ^d
				Count	%	Count	%	Mean	Mean		
10. Which of the following types of honors have you achieved or are you currently participating in at your institution? (Select all that apply)											
	FYSsr_deans	—	Dean's List or other recognition for high GPA	91	72	6,677	70				
	FYSsr_curr	—	Honors program with a special honors curriculum or honors program/college completion requirements	13	10	1,226	13				
	FYSsr_dept	—	Honors track in your major or department	6	4	745	8				
	FYSsr_disc	—	Collegiate honor society specific to your major or discipline	17	13	909	9				
	FYSsr_gen	—	Collegiate honor society for leadership or general academic achievement outside of your major or discipline (Mortar Board, Phi Beta Kappa, Phi Kappi Phi, etc.)	12	8	851	9				
	FYSsr_oth	—	Other	3	2	233	2				
	FYSsr_none	—	I have not been involved in or received any of these	29	25	2,284	25				

Seniors

Variable name	N	Mean		Standard error ^f		Standard deviation ^g		DF ^h	Sig. ⁱ	Effect size ^d
		CSU, Chico	FY Exp / Sr Transiti	CSU, Chico	FY Exp / Sr Transiti	CSU, Chico	FY Exp / Sr Transiti			
FYSsr01b ^k	56	44%	53%	.0673	.0063	--	--	--	.180	-.18
FYSsr02	113	3.10	2.92	.090	.009	0.95	.91	10411.39	.039	.19
FYSsr03 ^k	124	91%	86%	.0263	.0029	--	--	--	.059	.16
FYSsr04 ^k	124	17%	21%	.0342	.0033	--	--	--	.311	-.09
FYSsr05 ^k	125	20%	23%	.0357	.0035	--	--	--	.393	-.08
FYSsr06a	125	3.49	3.43	.058	.006	0.65	.67	14867.15	.305	.09
FYSsr06b	125	3.50	3.44	.056	.005	0.62	.66	14847.06	.318	.09
FYSsr06c	125	3.23	3.18	.072	.007	0.80	.80	14861.38	.448	.07
FYSsr06d	125	3.39	3.29	.068	.006	0.76	.74	14861.16	.141	.13
FYSsr06e	123	3.13	3.02	.075	.007	0.84	.85	14852.38	.174	.12
FYSsr06f	124	3.12	3.05	.064	.007	0.71	.83	125.54	.347	.07
FYSsr06g	125	2.37	2.45	.086	.008	0.96	.99	14849.24	.376	-.08
FYSsr06h	125	2.19	2.27	.092	.008	1.03	1.01	14846.18	.388	-.08
FYSsr06i	125	3.22	3.12	.071	.007	0.79	.86	14848.87	.195	.12
FYSsr06j	125	3.07	2.94	.078	.008	0.87	.91	14854.43	.102	.15
FYSsr07a	124	3.13	3.06	.075	.007	0.84	.85	14839.69	.330	.09
FYSsr07b	125	2.59	2.46	.093	.009	1.04	1.05	14829.47	.184	.12
FYSsr07c	125	3.11	3.03	.082	.007	0.92	.86	14820.41	.302	.09
FYSsr07d	125	2.73	2.65	.089	.008	0.99	.99	14777.92	.398	.08
FYSsr09_21 ^k	125	27%	28%	.0399	.0037	--	--	--	.847	-.02

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

Endnotes

- a. Column percentages are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Percentages may not sum to 100 due to rounding. Counts are unweighted; column percentages cannot be replicated from counts. Comparison group details are in the Selected Comparison Groups report, linked in the Data & Reports table on the Institution Interface.
- b. All statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Unless otherwise noted, statistical comparisons are two-tailed independent t-tests. Items with categorical response sets are left blank.
- c. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook.
- d. Effect size for independent t-tests uses Cohen's d; z-tests use Cohen's h.
- e. Statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Categorical items are not listed.
- f. The 95% confidence interval for the population mean is equal to the sample mean plus or minus 1.96 times the standard error of the mean.
- g. A measure of the amount individual scores deviate from the mean of all the scores in the distribution.
- h. Degrees of freedom used to compute the t-tests. Values differ from Ns due to weighting and whether equal variances were assumed.
- i. Statistical comparisons are two-tailed independent t-tests or z-tests. Statistical significance represents the probability that the difference between your students' mean and that of the students in the comparison group is due to chance.
- j. Statistical comparison uses z-test to compare the proportion who responded (depending on the item) "Done or in progress" or "Yes" with all who responded otherwise.
- k. Mean represents the proportion who responded (depending on the item) "Done or in progress" or "Yes."

Key to symbols:

- ▲ **Your students' average** was significantly higher ($p < .05$) with an effect size at least .3 in magnitude.
- △ **Your students' average** was significantly higher ($p < .05$) with an effect size less than .3 in magnitude.
- ▽ **Your students' average** was significantly lower ($p < .05$) with an effect size less than .3 in magnitude.
- ▼ **Your students' average** was significantly lower ($p < .05$) with an effect size at least .3 in magnitude.

Note: It is important to interpret the direction of differences relative to item wording and your institutional context. You may not see all of these symbols in your report.