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# **NSSE 2019 Topical Module Report**

## **First-Year Experiences and Senior Transitions**

Shippensburg University of Pennsylvania

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## About This Topical Module

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

This section summarizes how this module's comparison group was identified, including selection criteria and whether the default option was taken. This is followed by the resulting list of institutions represented in the 'FY Exp / Sr Transiti' column of this report.

Group label	FY Exp / Sr Transiti
Date submitted	5/8/19
How was this comparison group constructed?	This comparison group contains all other institutions in your system that participated in NSSE 2018 and 2019.
Group description	All other current- and prior-year (if applicable) NSSE institutions sharing your university system who administered module "First-Year Experiences and Senior Transitions"

## FY Exp / Sr Transiti (N=13)

Bloomsburg University of Pennsylvania (Bloomsburg, PA)  
 California University of Pennsylvania (California, PA)  
 Cheyney University of Pennsylvania (Cheyney, PA)  
 Clarion University of Pennsylvania (Clarion, PA)  
 East Stroudsburg University of Pennsylvania (East Stroudsburg, PA)  
 Edinboro University of Pennsylvania (Edinboro, PA)  
 Indiana University of Pennsylvania (Indiana, PA)  
 Kutztown University of Pennsylvania (Kutztown, PA)  
 Lock Haven University (Lock Haven, PA)  
 Mansfield University of Pennsylvania (Mansfield, PA)  
 Millersville University of Pennsylvania (Millersville, PA)  
 Slippery Rock University of Pennsylvania (Slippery Rock, PA)  
 West Chester University of Pennsylvania (West Chester, PA)

# NSSE 2019 First-Year Experiences and Senior Transitions

## Frequencies and Statistical Comparisons: First-Year Experiences

### Shippensburg University of Pennsylvania

#### First-Year Students

				Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				SHIP		FY Exp / Sr Transitn		SHIP	FY Exp / Sr Transitn	
Item wording or description	Variable name	Values <sup>c</sup>	Response options	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
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	7	129	4	2.7	2.7	-.06
		2	Sometimes	40	40	1,190	38			
		3	Often	31	30	1,172	37			
		4	Very often	25	23	666	21			
		Total	102	100	3,157	100				
b. Found additional information for course assignments when you didn't understand the material	FYSfy01b	1	Never	5	5	79	3	2.7	2.9 **	-.27
		2	Sometimes	36	36	916	30			
		3	Often	48	46	1,448	45			
		4	Very often	13	13	707	22			
		Total	102	100	3,150	100				
c. Participated in course discussions, even when you didn't feel like it	FYSfy01c	1	Never	6	7	182	6	2.6	2.7	-.10
		2	Sometimes	43	41	1,174	37			
		3	Often	38	37	1,216	38			
		4	Very often	15	15	578	18			
		Total	102	100	3,150	100				
d. Asked instructors for help when you struggled with course assignments	FYSfy01d	1	Never	20	21	290	10	2.3	2.6 **	-.31
		2	Sometimes	39	37	1,233	40			
		3	Often	34	33	1,078	34			
		4	Very often	9	9	541	16			
		Total	102	100	3,142	100				
e. Finished something you have started when you encountered challenges	FYSfy01e	1	Never	1	1	26	1	3.1	3.1	.00
		2	Sometimes	17	17	584	20			
		3	Often	54	53	1,542	48			
		4	Very often	30	29	995	31			
		Total	102	100	3,147	100				
f. Stayed positive, even when you did poorly on a test or assignment	FYSfy01f	1	Never	4	5	110	4	2.9	2.9	.00
		2	Sometimes	26	25	937	30			
		3	Often	49	49	1,314	41			
		4	Very often	21	21	786	25			
		Total	100	100	3,147	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	7	7	145	5	3.0	3.3 *	-.26
		2	2	28	26	548	17			
		3	3	35	35	1,112	35			
		4	4	28	26	1,005	32			
		5	5	3	3	255	8			
		6	Very difficult	2	2	83	3			
		Total	103	100	3,148	100				
b. Managing your time	FYSfy02b	1	Not at all difficult	8	8	228	7	3.6	3.6	-.03
		2	2	17	17	484	14			
		3	3	25	24	785	24			
		4	4	28	26	850	28			
		5	5	15	15	516	16			
		6	Very difficult	10	10	286	9			
Total	103	100	3,149	100						

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

## First-Year Students

Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>			
				SHIP		FY Exp / Sr Transitn		SHIP		FY Exp / Sr Transitn	
Item wording or description	Variable name	Values <sup>c</sup>	Response options	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>	
c. Getting help with school work	FYSfy02c	1	Not at all difficult	16	16	547	18	2.8	2.7	.04	
		2	2	30	28	914	28				
		3	3	32	32	894	28				
		4	4	14	13	536	17				
		5	5	8	7	196	6				
		6	Very difficult	3	3	61	2				
		Total	103	100	3,148	100					
d. Interacting with faculty	FYSfy02d	1	Not at all difficult	25	26	730	24	2.4	2.6	-.11	
		2	2	28	28	905	28				
		3	3	31	30	733	23				
		4	4	12	11	518	16				
		5	5	4	4	188	6				
		6	Very difficult	2	2	74	2				
		Total	102	100	3,148	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	19	20	504	17	2.1	2.2	-.14	
		2	Sometimes	58	55	1,639	52				
		3	Often	19	20	762	24				
		4	Very often	6	5	240	7				
		Total	102	100	3,145	100					
b. Academic advisors	FYSfy03b_16	1	Never	54	52	1,460	46	1.6	1.7 *	-.20	
		2	Sometimes	40	40	1,150	36				
		3	Often	6	7	401	13				
		4	Very often	2	2	132	4				
		Total	102	100	3,143	100					
c. Learning support services (tutoring, writing center, success coaching, etc.)	FYSfy03c_16	1	Never	53	53	1,400	45	1.6	1.8 ***	-.28	
		2	Sometimes	38	37	1,013	32				
		3	Often	9	9	491	15				
		4	Very often	1	1	234	7				
		Total	101	100	3,138	100					
d. Friends or other students	FYSfy03d_16	1	Never	5	5	137	5	2.8	2.9	-.07	
		2	Sometimes	26	27	799	27				
		3	Often	47	46	1,291	41				
		4	Very often	24	22	919	27				
		Total	102	100	3,146	100					
e. Family members	FYSfy03e_16	1	Never	44	45	1,051	35	1.9	2.1 *	-.20	
		2	Sometimes	30	29	1,019	32				
		3	Often	22	21	717	22				
		4	Very often	6	6	359	10				
		Total	102	100	3,146	100					
f. Other persons or offices	FYSfy03f_16	1	Never	73	71	1,815	59	1.3	1.6 ***	-.30	
		2	Sometimes	23	24	859	27				
		3	Often	6	5	336	11				
		4	Very often	0	0	126	4				
		Total	102	100	3,136	100					

# NSSE 2019 First-Year Experiences and Senior Transitions

## Frequencies and Statistical Comparisons: First-Year Experiences

### Shippensburg University of Pennsylvania

## First-Year Students

Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>		
				SHIP		FY Exp / Sr Transitn		SHIP	FY Exp / Sr Transitn	
Item wording or description	Variable name	Values <sup>c</sup>	Response options	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
4a. During the current school year, have you seriously considered leaving this institution? <sup>j</sup>								25%	27%	-.05
	FYSfy04a	No		78	75	2,290	73			
(Means indicate the percentage who responded "Yes.")		Yes		24	25	857	27			
		Total		102	100	3,147	100			
4b. [If answered "yes"] Why did you consider leaving? (Select all that apply.)										
	FYSfy04b_1_16	—	Academics are too difficult	4	17	117	14			
	FYSfy04b_2_16	—	Academics are too easy	1	5	37	5			
			Other academic issues (major not offered, course availability, advising, credit transfer, etc.)	1	3	110	13			
	FYSfy04b_3_16	—								
	FYSfy04b_4_16	—	Financial concerns (costs or financial aid)	9	33	317	37			
			To change your career options (transfer to another school or program, military service, etc.)	5	22	144	18			
	FYSfy04b_5_16	—								
	FYSfy04b_6_16	—	Difficulty managing demands of school and work	6	27	128	16			
	FYSfy04b_7_16	—	Too much emphasis on partying	4	20	76	9			
	FYSfy04b_8_16	—	Not enough opportunities to socialize and have fun	1	5	137	16			
	FYSfy04b_9_16	—	Relations with faculty and staff	1	5	78	10			
	FYSfy04b_10_16	—	Relations with other students	3	12	199	22			
	FYSfy04b_11_16	—	Campus climate, location, or culture	5	23	252	29			
	FYSfy04b_12_16	—	Unsafe or hostile environment	2	10	42	5			
			Personal reasons (family issues, physical or mental health, homesickness, stress, etc.)	10	36	403	46			
	FYSfy04b_13_16	—								
	FYSfy04b_14_16	—	A reason not listed above, please specify:	3	13	93	11			
5. How important is it to you that you graduate from <i>this institution</i> ?								4.9	5.2	-.20
	FYSfy05	1	Not important	6	7	107	4			
		2	2	2	2	96	3			
		3	3	5	5	163	6			
		4	4	19	19	326	10			
		5	5	15	16	424	14			
		6	Very important	53	51	2,007	63			
		Total		100	100	3,123	100			

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

### First-Year Students

Variable name	N	Mean		Standard error <sup>f</sup>		Standard deviation <sup>g</sup>		DF <sup>h</sup>	Sig. <sup>i</sup>	Effect size <sup>d</sup>
	SHIP	SHIP	FY Exp / Sr Transiti	SHIP	FY Exp / Sr Transiti	SHIP	FY Exp / Sr Transiti	Comparisons with:		
								FY Exp / Sr Transiti		
FYSfy01a	102	2.68	2.73	.090	.022	0.90	0.83	1,503	.558	-.06
FYSfy01b	102	2.66	2.87	.076	.021	0.77	0.78	1,500	.009	-.27
FYSfy01c	102	2.60	2.69	.081	.022	0.82	0.84	1,501	.309	-.10
FYSfy01d	102	2.30	2.57	.089	.023	0.90	0.87	1,495	.003	-.31
FYSfy01e	102	3.10	3.10	.070	.020	0.70	0.73	1,498	.978	.00
FYSfy01f	100	2.87	2.88	.080	.022	0.80	0.83	1,495	.962	.00
FYSfy02a	103	3.01	3.29	.106	.029	1.07	1.08	1,499	.011	-.26
FYSfy02b	103	3.56	3.60	.139	.037	1.41	1.36	1,498	.749	-.03
FYSfy02c	103	2.76	2.71	.124	.033	1.26	1.23	1,498	.695	.04
FYSfy02d	102	2.45	2.59	.117	.035	1.19	1.29	1,498	.267	-.11
FYSfy03a_16	102	2.11	2.22	.077	.022	0.77	0.80	1,497	.188	-.14
FYSfy03b_16	102	1.58	1.75	.068	.022	0.69	0.83	124	.020	-.20
FYSfy03b_16	101	1.59	1.84	.071	.025	0.71	0.93	126	.001	-.28
FYSfy03b_16	102	2.84	2.90	.082	.023	0.83	0.85	1,497	.481	-.07
FYSfy03e_16	102	1.88	2.08	.093	.027	0.94	0.99	1,498	.049	-.20
FYSfy03f_16	102	1.35	1.59	.057	.022	0.58	0.82	133	.000	-.30
FYSfy04a <sup>k</sup>	102	.247	.270	.0429	.0119	--	--	--	.619	-.05
FYSfy05	100	4.89	5.16	.148	.036	1.48	1.35	1,485	.052	-.20

# NSSE 2019 First-Year Experiences and Senior Transitions

## Frequencies and Statistical Comparisons: Senior Transitions

### Shippensburg University of Pennsylvania

## Seniors

				Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				SHIP		FY Exp / Sr Transitn		SHIP	FY Exp / Sr Transitn	
Item wording or description	Variable name	Values <sup>c</sup>	Response options	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
1. Do you expect to graduate this spring or summer?										
	FYSsr01_16	No		32	35	1,077	30			
		Yes		60	65	2,651	70			
		Total		92	100	3,728	100			
1a. [Excludes those who answered "No," not expecting spring/summer graduation] After graduation, what best describes your immediate plans?										
	FYSsr01a	—	Full-time employment	36	59	1,554	59			
		—	Part-time employment	2	3	103	4			
		—	Graduate or professional school	15	24	598	22			
		—	Military service	0	0	18	1			
		—	Service or volunteer activity (AmeriCorps, Peace Corps, Teach for America, etc.)	0	0	12	0			
		—	Internship (paid or unpaid)	1	2	175	6			
		—	Travel or gap year	2	3	82	3			
		—	No plans at this time	4	7	83	3			
		—	Other, please specify:	1	2	47	2			
		Total		61	100	2,672	100			
1b. [If immediate plans included full- or part-time employment] Do you already have a job for after graduation? <sup>j</sup>										
	FYSsr01b	No		25	66	1,037	61	34%	39%	-.10
	(Means indicate the percentage who responded "Yes.")	Yes, I will start a new job		7	19	294	18			
		Yes, I will continue in my current job		6	16	323	21			
		Total		38	100	1,654	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?										
	FYSsr02	1	Very little	1	2	139	5	3.1	3.1	.04
		2	Some	13	22	511	19			
		3	Quite a bit	25	41	1,023	38			
		4	Very much	22	36	994	37			
		Total		61	100	2,667	100			
3. Do you intend to work eventually in a field related to your major(s)? <sup>j</sup>										
	FYSsr03	Yes		82	88	3,344	90	88%	90%	-.04
	(Means indicate the percentage who responded "Yes.")	No		2	2	102	3			
		Unsure		9	10	285	8			
		Total		93	100	3,731	100			
4. Do you plan to be self-employed, an independent contractor, or a freelance worker someday? <sup>j</sup>										
	FYSsr04	Yes		10	11	508	14	11%	14%	-.09
	(Means indicate the percentage who responded "Yes.")	No		56	60	2,347	61			
		Unsure		27	29	883	25			
		Total		93	100	3,738	100			

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



# NSSE 2019 First-Year Experiences and Senior Transitions

## Frequencies and Statistical Comparisons: Senior Transitions

### Shippensburg University of Pennsylvania

## Seniors

Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>		
				SHIP		FY Exp / Sr Transitn		SHIP	FY Exp / Sr Transitn	
Item wording or description	Variable name	Values <sup>c</sup>	Response options	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
5. Do you plan to start your own business (nonprofit or for-profit) someday? <sup>j</sup>										
	FYSsr05		Yes	16	18	595	17	18%	17%	.04
	(Means indicate the percentage who responded "Yes.")		No	53	56	2,121	55			
			Unsure	24	26	1,025	28			
			Total	93	100	3,741	100			
6. How much confidence do you have in your ability to complete tasks requiring the following skills and abilities?										
a. Critical thinking and analysis of arguments and information	FYSsr06a	1	Very little	2	2	17	1	3.4	3.4	-.13
		2	Some	9	10	316	8			
		3	Quite a bit	36	39	1,462	38			
		4	Very much	45	49	1,944	53			
			Total	92	100	3,739	100			
b. Creative thinking and problem solving	FYSsr06b	1	Very little	2	2	12	0	3.5	3.5	-.07
		2	Some	4	4	228	6			
		3	Quite a bit	36	38	1,383	37			
		4	Very much	50	55	2,105	57			
			Total	92	100	3,728	100			
c. Research skills	FYSsr06c	1	Very little	2	2	84	2	3.2	3.2	.01
		2	Some	15	16	637	17			
		3	Quite a bit	38	41	1,509	40			
		4	Very much	38	41	1,500	41			
			Total	93	100	3,730	100			
d. Clear writing	FYSsr06d	1	Very little	2	2	40	1	3.4	3.3	.10
		2	Some	6	7	480	13			
		3	Quite a bit	39	42	1,497	39			
		4	Very much	46	49	1,713	46			
			Total	93	100	3,730	100			
e. Persuasive speaking	FYSsr06e	1	Very little	8	9	128	3	2.8	3.1 *	-.27
		2	Some	27	28	836	22			
		3	Quite a bit	31	33	1,517	41			
		4	Very much	27	29	1,251	34			
			Total	93	100	3,732	100			
f. Technological skills	FYSsr06f	1	Very little	3	3	115	3	3.0	3.1	-.07
		2	Some	24	25	819	21			
		3	Quite a bit	35	37	1,530	41			
		4	Very much	31	34	1,266	35			
			Total	93	100	3,730	100			
g. Financial and business management skills	FYSsr06g	1	Very little	20	20	700	17	2.3	2.5	-.18
		2	Some	40	42	1,375	37			
		3	Quite a bit	21	23	1,001	27			
		4	Very much	12	14	653	19			
			Total	93	100	3,729	100			

# NSSE 2019 First-Year Experiences and Senior Transitions

## Frequencies and Statistical Comparisons: Senior Transitions

### Shippensburg University of Pennsylvania

## Seniors

Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>		
				SHIP		FY Exp / Sr Transitn		SHIP	FY Exp / Sr Transitn	
Item wording or description	Variable name	Values <sup>c</sup>	Response options	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
h. Entrepreneurial skills	FYSsr06h	1	Very little	36	38	926	23	2.0	2.3 **	-0.34
		2	Some	39	42	1,442	39			
		3	Quite a bit	6	6	847	23			
		4	Very much	12	14	509	14			
		Total	93	100	3,724	100				
i. Leadership skills	FYSsr06i	1	Very little	3	3	72	2	3.2	3.3	-0.09
		2	Some	17	18	547	15			
		3	Quite a bit	28	31	1,252	34			
		4	Very much	45	48	1,862	50			
		Total	93	100	3,733	100				
j. Networking and relationship building	FYSsr06j	1	Very little	6	7	164	5	2.9	3.1 *	-0.23
		2	Some	27	29	753	21			
		3	Quite a bit	31	33	1,359	36			
		4	Very much	29	31	1,452	39			
		Total	93	100	3,728	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	5	5	94	3	3.0	3.2 *	-0.24
		2	Some	23	26	614	17			
		3	Quite a bit	32	34	1,501	41			
		4	Very much	32	35	1,517	40			
		Total	92	100	3,726	100				
b. Taking risks in your coursework without fear of penalty	FYSsr07b	1	Very little	21	23	655	18	2.4	2.6 *	-0.25
		2	Some	33	36	1,028	27			
		3	Quite a bit	21	23	1,137	31			
		4	Very much	17	18	905	24			
		Total	92	100	3,725	100				
c. Evaluating multiple approaches to a problem	FYSsr07c	1	Very little	3	3	130	4	3.1	3.1	-0.06
		2	Some	19	21	691	18			
		3	Quite a bit	38	41	1,471	39			
		4	Very much	31	35	1,422	39			
		Total	91	100	3,714	100				
d. Inventing new methods to arrive at unconventional solutions	FYSsr07d	1	Very little	14	15	359	10	2.6	2.8	-0.18
		2	Some	32	35	1,095	29			
		3	Quite a bit	22	24	1,249	34			
		4	Very much	24	26	1,002	27			
		Total	92	100	3,705	100				

## 8. 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 23 seniors. Responses are provided in your "NSSE19 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.*

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

### Seniors





Variable name	N	Mean		Standard error <sup>f</sup>		Standard deviation <sup>g</sup>		DF <sup>h</sup>	Sig. <sup>i</sup>	Effect size <sup>d</sup>
	SHIP	SHIP	FY Exp / Sr Transitr	SHIP	FY Exp / Sr Transitr	SHIP	FY Exp / Sr Transitr	Comparisons with:		
								FY Exp / Sr Transitr		
FYSsr01b <sup>k</sup>	38	.342	.391	.0782	.0170	--	--	--	.551	-.10
FYSsr02	61	3.12	3.08	.102	.024	0.80	0.88	1,373	.735	.04
FYSsr03 <sup>k</sup>	92	.883	.897	.0336	.0070	--	--	--	.669	-.04
FYSsr04 <sup>k</sup>	92	.111	.143	.0329	.0081	--	--	--	.398	-.09
FYSsr05 <sup>k</sup>	92	.181	.166	.0403	.0086	--	--	--	.709	.04
FYSsr06a	91	3.36	3.44	.077	.015	0.74	0.66	1,963	.230	-.13
FYSsr06b	91	3.46	3.51	.072	.014	0.69	0.62	1,956	.526	-.07
FYSsr06c	92	3.20	3.20	.082	.018	0.79	0.79	1,960	.962	.01
FYSsr06d	92	3.39	3.31	.073	.017	0.70	0.74	1,958	.331	.10
FYSsr06e	92	2.83	3.06	.100	.019	0.96	0.83	98	.027	-.27
FYSsr06f	92	3.02	3.08	.089	.019	0.85	0.82	1,958	.504	-.07
FYSsr06g	92	2.31	2.48	.099	.023	0.95	0.99	1,960	.100	-.18
FYSsr06h	92	1.95	2.29	.104	.023	1.00	0.98	1,956	.002	-.34
FYSsr06i	92	3.24	3.31	.089	.018	0.86	0.79	1,961	.413	-.09
FYSsr06j	92	2.89	3.10	.097	.020	0.93	0.88	1,957	.028	-.23
FYSsr07a	91	2.99	3.18	.095	.019	0.91	0.80	1,956	.027	-.24
FYSsr07b	91	2.36	2.62	.108	.024	1.03	1.04	1,954	.021	-.25
FYSsr07c	90	3.07	3.13	.088	.020	0.83	0.84	1,948	.561	-.06
FYSsr07d	91	2.61	2.78	.109	.022	1.04	0.96	1,945	.093	-.18

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## 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.
- 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  $N$ s 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.