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# **NSSE 2017 Topical Module Report**

## **Global Learning**

Western Michigan University

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## About This Topical Module

NSSE's Global Learning module assesses student experiences and coursework that emphasize global affairs, world cultures, nationalities, religions, and other international topics. The module complements items on the core NSSE questionnaire about student experiences with people from different backgrounds, course emphasis on integrative and reflective learning, and participation in study abroad. It is designed to complement the American Council on Education's 2016 edition of the Mapping Internationalization on U.S. Campuses survey.

## 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 'Carnegie-Aspiration' column of this report.

Group label	Carnegie-Aspiration
Date submitted	5/17/17
How was this comparison group constructed?	Your institution customized this comparison group by selecting institutions from all module participants.
Group description	These are institutions that are our Basic Carnegie peers and a few aspirational institutions.

## Carnegie-Aspiration (N=14)

Bowling Green State University (Bowling Green, OH)  
 Kansas State University (Manhattan, KS)\*  
 Miami University-Oxford (Oxford, OH)  
 North Carolina State University (Raleigh, NC)  
 Rensselaer Polytechnic Institute (Troy, NY)  
 Texas Christian University (Fort Worth, TX)\*  
 Texas Tech University (Lubbock, TX)  
 University of Connecticut (Storrs, CT)\*  
 University of Denver (Denver, CO)\*  
 University of Nebraska at Lincoln (Lincoln, NE)\*  
 University of New Orleans, The (New Orleans, LA)  
 University of Oklahoma (Norman, OK)\*  
 University of South Florida (Tampa, FL)  
 University of Tulsa (Tulsa, OK)\*

## First-Year Students

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				WMU		Carnegie-Aspiration		WMU	Carnegie-Aspiration	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
<b>1. How much does your institution emphasize the following?</b>										
a. Providing courses that focus on global and international topics	GBL01a	1	Very little	30	8	544	7	<b>2.6</b>	2.6	-.06
		2	Some	144	39	3,076	38			
		3	Quite a bit	144	39	3,299	40			
		4	Very much	51	14	1,303	15			
		Total		369	100	8,222	100			
b. Providing activities and experiences (speakers, events) that focus on global and international topics	GBL01b	1	Very little	22	6	496	6	<b>2.7</b>	2.8	-.05
		2	Some	137	38	2,464	31			
		3	Quite a bit	134	36	3,566	44			
		4	Very much	76	21	1,635	19			
		Total		369	100	8,161	100			
<b>2. Which of the following have you done or do you plan to do before you graduate?<sup>j</sup></b>										
a. Complete a <i>course</i> that focuses on global trends or issues (human rights, international relations, world health, climate, etc.)	GBL02a		Have not decided	63	17	1,642	20	<b>19%</b>	20%	-.04
			Do not plan to do	76	21	1,556	20			
			Plan to do	160	44	3,252	39			
			Done or in progress	70	19	1,747	20			
			Total	369	100	8,197	100			
b. Complete a <i>course</i> that focuses on perspectives, issues, or events from other countries or regions	GBL02b		Have not decided	78	21	1,857	23	<b>15%</b>	19%	-.10
			Do not plan to do	72	19	1,576	20			
			Plan to do	161	44	3,165	38			
			Done or in progress	55	15	1,589	19			
			Total	366	100	8,187	100			
c. Complete a <i>course</i> that focuses on religions or cultural groups other than your own	GBL02c		Have not decided	78	21	2,020	25	<b>12%</b>	17% *	-.14
			Do not plan to do	93	25	2,290	29			
			Plan to do	153	42	2,436	30			
			Done or in progress	45	12	1,434	17			
			Total	369	100	8,180	100			
<b>3. During the current school year, how much has your coursework encouraged you to do the following?</b>										
a. Understand the viewpoints, values, or customs of different world cultures, nationalities, and religions	GBL03a	1	Very little	41	12	1,117	14	<b>2.6</b>	2.5	.10
		2	Some	122	33	2,930	36			
		3	Quite a bit	141	39	2,808	34			
		4	Very much	62	16	1,319	16			
		Total		366	100	8,174	100			
b. Develop skills for interacting effectively and appropriately with those from different world cultures, nationalities, and religions	GBL03b	1	Very little	51	14	1,336	17	<b>2.5</b>	2.4	.07
		2	Some	129	35	2,930	36			
		3	Quite a bit	126	35	2,689	33			
		4	Very much	56	15	1,187	14			
		Total		362	100	8,142	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 <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				WMU		Carnegie-Aspiration		WMU	Carnegie-Aspiration	
				Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
<b>4. During the current school year, about how often have you done the following?</b>										
a. Discussed international or global topics and issues with others	GBL04a	1	Never	43	12	833	11	<b>2.5</b>	2.5	-.01
		2	Sometimes	153	41	3,535	44			
		3	Often	118	33	2,604	32			
		4	Very often	50	14	1,196	14			
		Total		364	100	8,168	100			
b. Talked about international opportunities (study abroad, international internship, Model UN, field study or research abroad, etc.) with a faculty member or advisor	GBL04b	1	Never	71	20	2,024	25	<b>2.2</b>	2.2	.04
		2	Sometimes	163	44	3,212	40			
		3	Often	101	28	2,062	25			
		4	Very often	30	8	878	10			
		Total		365	100	8,176	100			
c. Attended events or activities that promoted the understanding of different world cultures, nationalities, and religions	GBL04c	1	Never	116	32	2,678	33	<b>2.0</b>	2.0	.06
		2	Sometimes	139	38	3,426	41			
		3	Often	90	25	1,526	19			
		4	Very often	20	5	524	6			
		Total		365	100	8,154	100			
d. Worked on out-of-class activities (campus events, committees, student groups, etc.) with an international or global focus	GBL04d	1	Never	188	52	4,295	52	<b>1.8</b>	1.7	.05
		2	Sometimes	90	25	2,268	28			
		3	Often	68	19	1,177	15			
		4	Very often	18	5	419	5			
		Total		364	100	8,159	100			
e. Participated in a program that pairs domestic and international students (language partners, buddy program, etc.)	GBL04e	1	Never	237	65	5,802	71	<b>1.6</b>	1.5 *	.14
		2	Sometimes	64	18	1,278	16			
		3	Often	47	13	765	9			
		4	Very often	16	4	300	4			
		Total		364	100	8,145	100			
<b>5a. During the current school year, have you looked for information about global education programs and opportunities (study abroad, international internships, international field studies or research, volunteering abroad, etc.)?<sup>j</sup></b>										
	GBL05a	No		181	50	3,647	46	<b>50%</b>	54%	-.08
		Yes		185	50	4,527	54			
		Total		366	100	8,174	100			
<b>5b. Which of the following were your sources of information? (Select all that apply.)</b>										
	GBL05b_1	—	Study abroad or international studies office	127	70	3,011	67			
	GBL05b_2	—	Major/academic department office	51	28	1,238	28			
	GBL05b_3	—	Career office	12	6	390	10			
	GBL05b_4	—	Academic advisor	74	41	1,704	38			
	GBL05b_5	—	Faculty member	46	26	1,248	28			
	GBL05b_6	—	Attendance at international programs or events	36	20	831	20			
	GBL05b_7	—	Website, newsletter, catalog, or other published sources	67	37	2,209	49			
	GBL05b_8	—	Friends or other students	76	41	2,084	45			
	GBL05b_9	—	Family members	30	17	738	17			
	GBL05b_10	—	Other, please specify:	5	3	113	3			

\*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 <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				WMU		Carnegie-Aspiration		WMU	Carnegie-Aspiration	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
<b>6. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</b>										
a. Being informed about current international and global issues	GBL06a	1	Very little	54	15	1,373	17	<b>2.4</b>	2.3	.04
		2	Some	164	45	3,492	43			
		3	Quite a bit	104	29	2,439	30			
		4	Very much	41	11	848	10			
		Total		363	100	8,152	100			
b. Speaking a second language	GBL06b	1	Very little	223	62	4,655	57	<b>1.7</b>	1.7	-.07
		2	Some	62	17	1,612	21			
		3	Quite a bit	43	12	1,103	13			
		4	Very much	31	9	772	9			
		Total		359	100	8,142	100			
c. Seeking international or global opportunities out of your comfort zone	GBL06c	1	Very little	137	37	2,582	32	<b>2.0</b>	2.1	-.10
		2	Some	136	37	3,121	39			
		3	Quite a bit	65	18	1,790	22			
		4	Very much	28	8	648	8			
		Total		366	100	8,141	100			
d. Understanding how your actions affect global communities	GBL06d	1	Very little	100	28	2,190	27	<b>2.2</b>	2.1	.02
		2	Some	138	38	3,217	40			
		3	Quite a bit	96	26	2,033	25			
		4	Very much	32	8	689	8			
		Total		366	100	8,129	100			
e. Preparing for life and work in an increasingly globalized era	GBL06e	1	Very little	84	22	1,615	20	<b>2.3</b>	2.3	.00
		2	Some	121	33	3,072	38			
		3	Quite a bit	115	33	2,498	31			
		4	Very much	45	12	945	12			
		Total		365	100	8,130	100			
f. Encouraging your sense of global responsibility	GBL06f	1	Very little	68	18	1,663	21	<b>2.4</b>	2.3	.03
		2	Some	135	37	2,988	37			
		3	Quite a bit	116	33	2,414	30			
		4	Very much	41	11	1,014	13			
		Total		360	100	8,079	100			
<b>7. Since enrolling at your current institution, have you lived with students from a country other than your own (exclude study abroad and other programs in other countries)?<sup>j</sup></b>										
	GBL07	No		302	83	6,221	78	<b>17%</b>	22% *	-.14
	(Means indicate the percentage who responded "Yes.")	Yes		58	17	1,888	22			
		Total		360	100	8,109	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 <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				WMU		Carnegie-Aspiration		WMU	Carnegie-Aspiration	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
<b>1. How much does your institution emphasize the following?</b>										
a. Providing courses that focus on global and international topics	GBL01a	1	Very little	55	7	1,056	10	<b>2.6</b>	2.6	.04
		2	Some	295	37	4,027	37			
		3	Quite a bit	324	41	3,883	36			
		4	Very much	113	14	1,784	16			
		Total		787	100	10,750	100			
b. Providing activities and experiences (speakers, events) that focus on global and international topics	GBL01b	1	Very little	48	6	886	9	<b>2.7</b>	2.7	.04
		2	Some	286	36	3,668	34			
		3	Quite a bit	304	39	4,127	38			
		4	Very much	149	19	2,020	18			
		Total		787	100	10,701	100			
<b>2. Which of the following have you done or do you plan to do before you graduate?<sup>j</sup></b>										
a. Complete a <i>course</i> that focuses on global trends or issues (human rights, international relations, world health, climate, etc.)	GBL02a		Have not decided	38	5	680	6	<b>57%</b>	51% **	.12
			Do not plan to do	230	29	3,577	34			
			Plan to do	67	9	927	9			
			Done or in progress	453	57	5,554	51			
			Total	788	100	10,738	100			
b. Complete a <i>course</i> that focuses on perspectives, issues, or events from other countries or regions	GBL02b		Have not decided	32	4	697	6	<b>57%</b>	50% ***	.14
			Do not plan to do	240	31	3,756	36			
			Plan to do	67	8	854	8			
			Done or in progress	446	57	5,410	50			
			Total	785	100	10,717	100			
c. Complete a <i>course</i> that focuses on religions or cultural groups other than your own	GBL02c		Have not decided	50	7	683	7	<b>52%</b>	45% ***	.13
			Do not plan to do	272	35	4,410	42			
			Plan to do	55	7	674	6			
			Done or in progress	410	52	4,959	45			
			Total	787	100	10,726	100			
<b>3. During the current school year, how much has your coursework encouraged you to do the following?</b>										
a. Understand the viewpoints, values, or customs of different world cultures, nationalities, and religions	GBL03a	1	Very little	117	16	1,862	18	<b>2.6</b>	2.6 *	.08
		2	Some	218	27	3,306	31			
		3	Quite a bit	259	33	2,905	27			
		4	Very much	194	24	2,642	24			
		Total		788	100	10,715	100			
b. Develop skills for interacting effectively and appropriately with those from different world cultures, nationalities, and religions	GBL03b	1	Very little	111	15	2,069	20	<b>2.6</b>	2.5 **	.11
		2	Some	240	31	3,346	32			
		3	Quite a bit	247	31	2,852	27			
		4	Very much	183	23	2,410	22			
		Total		781	100	10,677	100			

## Seniors

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				WMU		Carnegie-Aspiration		WMU	Carnegie-Aspiration	
				Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
<b>4. During the current school year, about how often have you done the following?</b>										
a. Discussed international or global topics and issues with others	GBL04a	1	Never	70	9	1,174	11	<b>2.6</b>	2.6	-.01
		2	Sometimes	312	40	3,943	37			
		3	Often	236	30	3,064	29			
		4	Very often	167	21	2,525	23			
		Total		785	100	10,706	100			
b. Talked about international opportunities (study abroad, international internship, Model UN, field study or research abroad, etc.) with a faculty member or advisor	GBL04b	1	Never	327	42	4,399	41	<b>2.0</b>	2.0	-.02
		2	Sometimes	241	31	3,308	31			
		3	Often	122	15	1,669	15			
		4	Very often	94	12	1,334	12			
		Total		784	100	10,710	100			
c. Attended events or activities that promoted the understanding of different world cultures, nationalities, and religions	GBL04c	1	Never	328	42	4,012	38	<b>1.9</b>	1.9 *	-0.09
		2	Sometimes	289	37	4,063	38			
		3	Often	110	14	1,596	14			
		4	Very often	56	7	1,016	9			
		Total		783	100	10,687	100			
d. Worked on out-of-class activities (campus events, committees, student groups, etc.) with an international or global focus	GBL04d	1	Never	474	61	5,819	55	<b>1.6</b>	1.7 ***	-.14
		2	Sometimes	194	25	2,744	25			
		3	Often	69	8	1,212	11			
		4	Very often	47	6	915	8			
		Total		784	100	10,690	100			
e. Participated in a program that pairs domestic and international students (language partners, buddy program, etc.)	GBL04e	1	Never	623	80	7,882	74	<b>1.3</b>	1.4 ***	-.12
		2	Sometimes	90	11	1,505	14			
		3	Often	39	5	713	7			
		4	Very often	31	4	571	5			
		Total		783	100	10,671	100			
<b>5a. During the current school year, have you looked for information about global education programs and opportunities (study abroad, international internships, international field studies or research, volunteering abroad, etc.)?<sup>j</sup></b>										
	GBL05a	No		525	68	7,004	66	<b>32%</b>	34%	-.04
		Yes		252	32	3,710	34			
		Total		777	100	10,714	100			
<b>5b. Which of the following were your sources of information? (Select all that apply.)</b>										
	GBL05b_1	—	Study abroad or international studies office	160	64	2,233	61			
	GBL05b_2	—	Major/academic department office	68	27	1,034	29			
	GBL05b_3	—	Career office	18	8	374	11			
	GBL05b_4	—	Academic advisor	77	31	987	27			
	GBL05b_5	—	Faculty member	115	46	1,176	32			
	GBL05b_6	—	Attendance at international programs or events	42	17	533	14			
	GBL05b_7	—	Website, newsletter, catalog, or other published sources	108	43	1,887	51			
	GBL05b_8	—	Friends or other students	109	44	1,563	42			
	GBL05b_9	—	Family members	22	9	444	12			
	GBL05b_10	—	Other, please specify:	9	3	125	3			

\*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 <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				WMU		Carnegie-Aspiration		WMU	Carnegie-Aspiration	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
<b>6. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</b>										
a. Being informed about current international and global issues	GBL06a	1	Very little	133	18	1,934	18	<b>2.4</b>	2.4	.00
		2	Some	306	39	4,085	38			
		3	Quite a bit	224	29	3,010	28			
		4	Very much	117	15	1,664	16			
			Total	780	100	10,693	100			
b. Speaking a second language	GBL06b	1	Very little	505	65	5,671	53	<b>1.6</b>	1.8 ***	-.20
		2	Some	124	16	2,275	21			
		3	Quite a bit	73	9	1,388	13			
		4	Very much	75	9	1,342	12			
			Total	777	100	10,676	100			
c. Seeking international or global opportunities out of your comfort zone	GBL06c	1	Very little	304	40	3,990	38	<b>1.9</b>	2.0 *	-.08
		2	Some	262	34	3,486	33			
		3	Quite a bit	142	18	1,966	18			
		4	Very much	69	9	1,231	11			
			Total	777	100	10,673	100			
d. Understanding how your actions affect global communities	GBL06d	1	Very little	189	25	2,748	26	<b>2.3</b>	2.2	.03
		2	Some	271	35	3,846	36			
		3	Quite a bit	214	27	2,661	25			
		4	Very much	98	13	1,406	13			
			Total	772	100	10,661	100			
e. Preparing for life and work in an increasingly globalized era	GBL06e	1	Very little	151	20	2,211	21	<b>2.4</b>	2.4	.02
		2	Some	258	34	3,545	33			
		3	Quite a bit	232	29	3,069	29			
		4	Very much	134	18	1,836	17			
			Total	775	100	10,661	100			
f. Encouraging your sense of global responsibility	GBL06f	1	Very little	135	18	2,150	21	<b>2.5</b>	2.4	.04
		2	Some	267	35	3,464	33			
		3	Quite a bit	218	28	2,977	28			
		4	Very much	147	19	1,976	19			
			Total	767	100	10,567	100			
<b>7. Since enrolling at your current institution, have you lived with students from a country other than your own (exclude study abroad and other programs in other countries)?<sup>j</sup></b>										
	GBL07		No	651	84	7,944	74	<b>16%</b>	26% ***	-.23
	(Means indicate the percentage who responded "Yes.")		Yes	121	16	2,692	26			
			Total	772	100	10,636	100			

## 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>
		WMU	Carnegie-Aspiration	WMU	Carnegie-Aspiration	WMU	Carnegie-Aspiration			
GBL01a	367	2.59	2.64	.04	.01	0.82	0.81	7,189	.238	-.06
GBL01b	367	2.71	2.76	.04	.01	0.85	0.83	7,141	.352	-.05
GBL02a <sup>k</sup>	367	.187	.204	.0204	.0049	--	--	--	.421	-.04
GBL02b <sup>k</sup>	364	.150	.188	.0188	.0047	--	--	--	.074	-.10
GBL02c <sup>k</sup>	367	.117	.167	.0168	.0045	--	--	--	.013	-.14
GBL03a	363	2.60	2.51	.05	.01	0.89	0.92	7,147	.068	.10
GBL03b	359	2.51	2.45	.05	.01	0.92	0.93	7,113	.221	.07
GBL04a	362	2.49	2.49	.05	.01	0.88	0.86	7,141	.849	-.01
GBL04b	362	2.23	2.20	.05	.01	0.86	0.93	408	.485	.04
GBL04c	363	2.04	1.98	.05	.01	0.89	0.88	7,130	.242	.06
GBL04d	361	1.77	1.72	.05	.01	0.92	0.89	7,130	.322	.05
GBL04e	362	1.57	1.46	.05	.01	0.88	0.81	394	.018	.14
GBL05a <sup>k</sup>	364	.497	.536	.0263	.0061	--	--	--	.147	-.08
GBL06a	361	2.37	2.33	.05	.01	0.87	0.88	7,118	.419	.04
GBL06b	357	1.67	1.74	.05	.01	0.99	1.00	7,108	.181	-.07
GBL06c	364	1.96	2.05	.05	.01	0.93	0.92	7,121	.056	-.10
GBL06d	364	2.16	2.14	.05	.01	0.92	0.91	7,104	.764	.02
GBL06e	363	2.35	2.35	.05	.01	0.96	0.93	7,102	.928	.00
GBL06f	358	2.38	2.34	.05	.01	0.91	0.94	7,048	.538	.03
GBL07 <sup>k</sup>	357	.168	.224	.0198	.0051	--	--	--	.013	-.14

See the endnotes on the last page of this report.

## 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>
	WMU	WMU	Carnegie-Aspiration	WMU	Carnegie-Aspiration	WMU	Carnegie-Aspiration			
GBL01a	785	2.62	2.59	.03	.01	0.82	0.88	922	.216	.04
GBL01b	785	2.70	2.66	.03	.01	0.84	0.88	11,511	.283	.04
GBL02a <sup>k</sup>	785	.571	.510	.0177	.0048	--	--	--	.001	.12
GBL02b <sup>k</sup>	783	.568	.498	.0177	.0048	--	--	--	.000	.14
GBL02c <sup>k</sup>	784	.517	.451	.0179	.0048	--	--	--	.000	.13
GBL03a	785	2.65	2.56	.04	.01	1.01	1.04	909	.029	.08
GBL03b	778	2.62	2.51	.04	.01	1.00	1.04	905	.003	.11
GBL04a	782	2.63	2.64	.03	.01	0.92	0.96	910	.791	-.01
GBL04b	781	1.96	1.98	.04	.01	1.02	1.03	11,509	.640	-.02
GBL04c	780	1.86	1.94	.03	.01	0.91	0.95	11,488	.014	-.09
GBL04d	781	1.60	1.73	.03	.01	0.88	0.96	924	.000	-.14
GBL04e	780	1.34	1.43	.03	.01	0.75	0.84	925	.001	-.12
GBL05a <sup>k</sup>	774	.318	.338	.0167	.0046	--	--	--	.248	-.04
GBL06a	777	2.41	2.41	.03	.01	0.94	0.96	11,494	.947	.00
GBL06b	774	1.63	1.84	.04	.01	0.99	1.06	907	.000	-.20
GBL06c	775	1.95	2.03	.03	.01	0.96	1.00	11,469	.027	-.08
GBL06d	769	2.28	2.25	.04	.01	0.97	0.98	11,455	.370	.03
GBL06e	772	2.45	2.42	.04	.01	1.00	1.00	11,452	.508	.02
GBL06f	764	2.48	2.44	.04	.01	1.00	1.02	11,350	.333	.04
GBL07 <sup>k</sup>	769	.163	.256	.0133	.0042	--	--	--	.000	-.23

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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.