
Tennessee Technological University

NSSE 2016 Major Field Report, Part II

Comparisons to Other Institutions

Education

*Comparing your students majoring in the fields shown below to those
in the same fields at your comparison group institutions*

The Major Field Report group 'Education' includes the following majors: Arts, fine and applied; Early childhood education; Education (general); Elementary, middle school education; Kinesiology; Mathematics education; Music; Music or art education; Other education; Parks, recreation, leisure studies, sports mgmt.; Physical education; Secondary education; Special education.

Note:

The Major Field Report was formatted for printing. When viewing on screen in Excel, some content may appear truncated or oddly formatted. This is normal. Increasing the zoom level or viewing the report in Print Preview will improve on-screen display.

About Your Major Field Report, Part II

NSSE data serve to identify institutional strengths and weaknesses in reference to selected comparison institutions, yet institution-level comparisons may not capture important variation in student engagement that can be found within key subpopulations such as major. This report displays selected results for students at your institution and at your selected comparison institutions in the major category: Education.

NSSE results included in MFR, Part II

- Engagement Indicators
- High-Impact Practices
- Frequencies and Statistical Comparisons
- Respondent Profile

Related-Major Groups

Self-reported majors (first major given if two were reported) were identified from the survey. Your institution had the option to customize how these were grouped, using up to ten related-major groups. Institutions choosing not to customize their related-major groups receive NSSE's ten default groups. The majors used in this report are listed on the cover page of this report.

Sample

This report is based on information from all randomly selected or census-administered students in the indicated group of majors for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not included.

Class

Results are presented separately by institution-reported class level. Keep in mind that majors are student-reported. First-year students may report *intended* majors that have not yet been *declared*. Also, much of the first-year experience may take place outside of the major field. For these reasons, first-year results should be interpreted with caution.

Technical Requirements

Related-major groups with fewer than 20 respondents in a given class are not reported (columns are blank). Comparison groups must also contain at least 20 respondents in the major category, or they remain blank. Although 20 is a minimum requirement, keep in mind that any statistical result requires a sufficient number of respondents per group to produce a reliable estimate. Due to the disaggregation of results by student-reported major, the Major Field Report results are unweighted.

Report Sections

Engagement Indicators (pp. 3-7)	Results on NSSE's ten Engagement Indicators (EIs) organized into four themes. See your <i>Engagement Indicators</i> report for more details.
High-Impact Practices (p. 8)	Results on student participation in six High-Impact Practices (HIPs). See your <i>High-Impact Practices</i> report for more details.
Frequencies and Statistical Comparisons (pp. 9-44)	Response frequencies and statistical comparisons (including tests of significance and effect sizes) for all survey items except the demographics for your institution and your three core comparison groups.
Respondent Profile (pp. 45-51)	Response frequencies for all demographic questions for your institution and your three core comparison groups.

Engagement Indicators: Overview

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores^a for your students in this related-major category with students in your comparison groups within the same category.

Use the following key:

- ▲ **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.
- No significant difference.
- ▼ **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.

Theme	Engagement Indicator	First-Year Students in Education			Seniors in Education		
		Your first-year students compared with Carnegie Class	Your first-year students compared with THEC Peer Group	Your first-year students compared with NSSE 2015 & 2016	Your seniors compared with Carnegie Class	Your seniors compared with THEC Peer Group	Your seniors compared with NSSE 2015 & 2016
Academic Challenge	Higher-Order Learning	--	--	--	--	--	--
	Reflective & Integrative Learning	--	--	--	--	--	--
	Learning Strategies	--	--	--	--	--	△
	Quantitative Reasoning	--	--	--	--	--	--
Learning with Peers	Collaborative Learning	--	--	--	▲	△	▲
	Discussions with Diverse Others	--	--	--	--	▽	--
Experiences with Faculty	Student-Faculty Interaction	--	--	--	△	--	--
	Effective Teaching Practices	--	--	--	--	--	--
Campus Environment	Quality of Interactions	--	--	--	--	--	--
	Supportive Environment	--	--	▽	--	--	--

First-year students^a in Education

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
Tennessee Tech (N = 30)	35.5	11.1	2.02	20	30	35	40	60				
Carnegie Class	38.6	13.7	.26	15	30	40	50	60	2,742	-3.1		-.227
THEC Peer Group	35.5	13.5	1.04	15	25	35	45	60	197	.0		-.002
NSSE 2015 & 2016	38.4	13.4	.09	20	30	40	50	60	22,545	-2.9		-.213
Reflective & Integrative Learning												
Tennessee Tech (N = 29)	34.1	10.2	1.90	17	26	34	40	49				
Carnegie Class	36.4	12.3	.23	17	29	37	46	60	2,821	-2.3		-.190
THEC Peer Group	33.9	11.9	.91	14	26	34	40	54	197	.2		.017
NSSE 2015 & 2016	35.7	12.1	.08	17	27	34	43	60	23,083	-1.7		-.137
Learning Strategies												
Tennessee Tech (N = 29)	39.3	12.8	2.37	20	33	40	47	60				
Carnegie Class	39.3	14.3	.27	20	27	40	53	60	2,784	.0		.002
THEC Peer Group	40.5	14.7	1.13	20	27	40	53	60	194	-1.2		-.081
NSSE 2015 & 2016	39.0	13.8	.09	20	27	40	47	60	22,762	.3		.020
Quantitative Reasoning												
Tennessee Tech (N = 30)	23.8	16.2	2.96	0	13	20	33	53				
Carnegie Class	25.3	16.6	.32	0	13	20	40	60	2,806	-1.5		-.090
THEC Peer Group	23.5	15.7	1.21	0	13	20	33	53	197	.3		.019
NSSE 2015 & 2016	24.6	15.9	.11	0	13	20	33	60	22,948	-.8		-.049
Learning with Peers												
Collaborative Learning												
Tennessee Tech (N = 29)	31.7	10.6	1.97	15	25	30	40	50				
Carnegie Class	30.3	14.7	.28	5	20	30	40	60	2,775	1.4		.095
THEC Peer Group	31.9	14.2	1.10	10	20	30	40	60	193	-.2		-.015
NSSE 2015 & 2016	32.8	13.6	.09	10	25	30	40	60	22,728	-1.1		-.082
Discussions with Diverse Others												
Tennessee Tech (N = 29)	38.8	16.4	3.05	15	30	40	55	60				
Carnegie Class	39.5	15.9	.30	10	30	40	55	60	2,799	-.7		-.044
THEC Peer Group	38.7	16.9	1.30	10	25	40	55	60	196	.1		.007
NSSE 2015 & 2016	40.0	15.5	.10	15	30	40	55	60	22,930	-1.2		-.077

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Education

Tennessee Technological University

First-year students^a in Education

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
Tennessee Tech (N = 28)	25.7	17.0	3.22	0	13	23	40	55				
Carnegie Class	21.1	14.8	.28	0	10	20	30	50	2,797	4.6		.312
THEC Peer Group	22.1	15.5	1.20	0	10	20	30	55	193	3.6		.231
NSSE 2015 & 2016	22.1	14.4	.10	0	10	20	30	50	22,816	3.6		.249
Effective Teaching Practices												
Tennessee Tech (N = 30)	36.7	11.7	2.13	16	28	40	44	52				
Carnegie Class	40.8	13.3	.25	20	32	40	52	60	2,826	-4.1		-.311
THEC Peer Group	40.8	12.9	.99	16	32	40	52	60	196	-4.1		-.326
NSSE 2015 & 2016	40.3	12.9	.08	20	32	40	52	60	23,145	-3.7		-.285
Campus Environment												
Quality of Interactions												
Tennessee Tech (N = 29)	43.8	12.4	2.31	10	38	44	54	60				
Carnegie Class	42.1	12.5	.24	18	34	44	50	60	2,703	1.7		.137
THEC Peer Group	39.5	12.2	.95	16	32	42	48	58	192	4.3		.350
NSSE 2015 & 2016	42.7	11.9	.08	20	36	44	52	60	22,409	1.1		.093
Supportive Environment												
Tennessee Tech (N = 30)	33.9	10.1	1.84	20	25	35	40	55				
Carnegie Class	37.2	14.0	.27	15	28	38	48	60	30	-3.3		-.236
THEC Peer Group	35.8	15.1	1.17	10	23	38	45	60	55	-1.9		-.129
NSSE 2015 & 2016	38.1	13.4	.09	15	29	40	48	60	29	-4.2	*	-.312

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Education

Tennessee Technological University

Seniors^a in Education

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
Tennessee Tech (N = 79)	42.3	14.9	1.68	10	35	45	55	60				
Carnegie Class	40.8	14.0	.23	20	30	40	55	60	3,772	1.5		.110
THEC Peer Group	39.9	15.3	1.02	15	30	40	55	60	303	2.4		.160
NSSE 2015 & 2016	40.6	13.8	.08	20	30	40	50	60	28,842	1.8		.129
Reflective & Integrative Learning												
Tennessee Tech (N = 79)	40.4	12.5	1.41	20	31	40	51	60				
Carnegie Class	39.3	12.5	.20	20	31	40	49	60	3,842	1.1		.087
THEC Peer Group	37.5	14.4	.94	14	29	37	49	60	309	2.9		.211
NSSE 2015 & 2016	39.4	12.5	.07	20	31	40	49	60	29,466	1.0		.081
Learning Strategies												
Tennessee Tech (N = 78)	43.1	13.9	1.58	20	33	40	60	60				
Carnegie Class	40.4	14.8	.24	13	27	40	53	60	3,792	2.7		.181
THEC Peer Group	41.6	16.0	1.06	13	33	47	60	60	305	1.4		.093
NSSE 2015 & 2016	39.4	14.8	.09	13	27	40	53	60	29,074	3.7	*	.251
Quantitative Reasoning												
Tennessee Tech (N = 79)	26.3	17.3	1.95	0	13	20	40	60				
Carnegie Class	24.9	16.8	.27	0	13	20	40	60	3,827	1.5		.086
THEC Peer Group	24.6	17.3	1.14	0	13	20	33	60	309	1.8		.102
NSSE 2015 & 2016	24.8	16.9	.10	0	13	20	40	60	29,305	1.6		.092
Learning with Peers												
Collaborative Learning												
Tennessee Tech (N = 78)	39.3	14.5	1.64	15	30	40	50	60				
Carnegie Class	31.8	14.6	.24	10	20	30	40	60	3,778	7.5	***	.514
THEC Peer Group	35.5	14.8	.98	15	25	35	48	60	304	3.8	*	.259
NSSE 2015 & 2016	34.2	14.0	.08	10	25	35	45	60	29,009	5.1	**	.365
Discussions with Diverse Others												
Tennessee Tech (N = 79)	37.1	15.3	1.72	15	25	35	50	60				
Carnegie Class	40.5	16.2	.26	15	30	40	60	60	3,810	-3.4		-.211
THEC Peer Group	42.2	16.7	1.10	10	30	43	60	60	307	-5.1	*	-.311
NSSE 2015 & 2016	40.5	15.7	.09	15	30	40	55	60	29,208	-3.4		-.216

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Education

Tennessee Technological University

Seniors^a in Education

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
Tennessee Tech (N = 77)	29.0	16.1	1.84	0	20	25	35	60				
Carnegie Class	25.2	16.5	.27	0	10	20	35	60	3,790	3.9	*	.234
THEC Peer Group	28.6	17.4	1.15	5	15	25	40	60	304	.4		.025
NSSE 2015 & 2016	27.8	16.1	.09	5	15	25	40	60	29,073	1.3		.079
Effective Teaching Practices												
Tennessee Tech (N = 79)	40.9	17.5	1.97	4	28	44	56	60				
Carnegie Class	41.3	13.9	.23	16	32	40	52	60	80	-.4		-.029
THEC Peer Group	41.7	14.9	.98	16	32	44	56	60	308	-.8		-.053
NSSE 2015 & 2016	41.2	13.6	.08	20	32	40	52	60	78	-.3		-.025
Campus Environment												
Quality of Interactions												
Tennessee Tech (N = 80)	42.7	12.4	1.39	23	32	46	52	60				
Carnegie Class	43.1	12.1	.20	20	36	44	52	60	3,643	-.4		-.037
THEC Peer Group	42.0	11.9	.80	20	34	44	50	60	300	.6		.053
NSSE 2015 & 2016	43.3	11.3	.07	22	36	44	52	60	28,425	-.6		-.056
Supportive Environment												
Tennessee Tech (N = 79)	31.4	15.1	1.70	5	20	30	43	60				
Carnegie Class	33.3	14.8	.24	10	23	33	43	60	3,819	-1.9		-.131
THEC Peer Group	33.3	14.4	.95	10	23	33	45	60	308	-1.9		-.128
NSSE 2015 & 2016	34.0	14.0	.08	10	25	35	43	60	29,366	-2.6		-.184

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

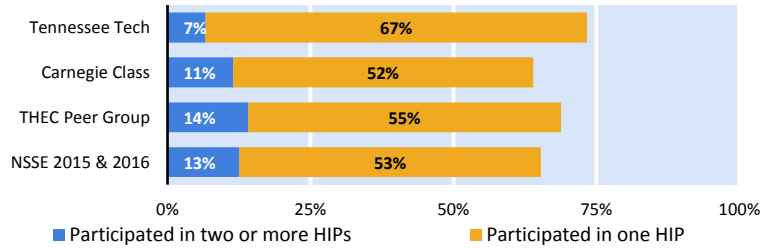
High-Impact Practices: Education

Tennessee Technological University

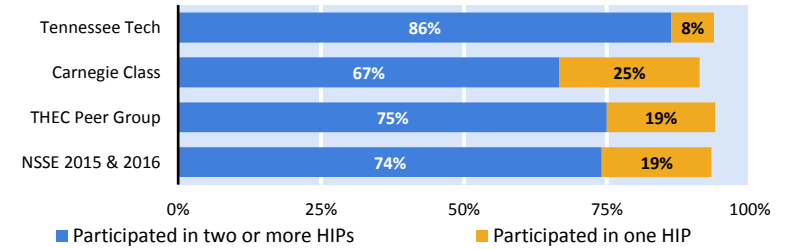
Overall HIP Participation^a

The figures below display the percentage^h of students who participated in High-Impact Practices. Both figures include participation in a learning community, service-learning, and research with faculty. The Senior figure also includes participation in an internship or field experience, study abroad, and culminating senior experience. The first segment in each bar shows the percentage of students who participated in at least two HIPs, and the full bar (both colors) represents the percentage who participated in at least one.

First-Year Students in Education



Seniors in Education



Statistical Comparisons^a

The table below compares the percentage^h of your students who participated in a High-Impact Practice, including the percentage who participated overall (at least one, two or more), with those at institutions in your comparison groups.

	Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
	%		% ⁱ	Effect size ^j	% ⁱ	Effect size ^j	% ⁱ	Effect size ^j
<i>First-Year Students in Education</i>								
11c. Learning community	7		13	-.22	17	-.32	15	-.26
12. Service-learning	70		60	.21	63	.15	61	.19
11e. Research with faculty	3		5	-.07	5	-.07	5	-.07
Participated in at least one	73		64	.20	69	.10	65	.18
Participated in two or more	7		11	-.17	14	-.25	13	-.20
<i>Seniors in Education</i>								
11c. Learning community	43		28 **	.32	33	.19	33	.20
12. Service-learning	74		75	-.03	78	-.11	76	-.06
11e. Research with faculty	24		15 *	.21	22	.05	20	.09
11a. Internship or field exp.	84		60 ***	.54	65 **	.43	64 ***	.45
11d. Study abroad	5		8	-.13	5	.01	13 *	-.29
11f. Culminating senior exp.	59		42 **	.34	52	.13	51	.16
Participated in at least one	94		91	.10	94	-.01	93	.02
Participated in two or more	86		67 ***	.47	75 *	.29	74 *	.31

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

First-Year Students^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ		
1. During the current school year, about how often have you done the following?																			
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	0	0	62	2	8	5	446	2	3.0	2.9	.08	2.8	.25	2.9	.10	
		2	Sometimes	7	23	880	31	65	38	7,466	32								
		3	Often	16	53	1,031	37	52	31	8,709	38								
		4	Very often	7	23	826	30	44	26	6,521	28								
		Total		30	100	2,799	100	169	100	23,142	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	4	13	391	14	25	15	3,295	14	2.7	2.6	.12	2.6	.18	2.6	.18	
		2	Sometimes	9	30	929	33	60	35	8,203	36								
		3	Often	8	27	831	30	51	30	6,916	30								
		4	Very often	9	30	644	23	34	20	4,666	20								
		Total		30	100	2,795	100	170	100	23,080	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	2	7	129	5	2	1	1,078	5	3.1	3.1	-.07	3.2	-.21	3.1	-.01	
		2	Often	3	10	279	10	13	8	2,536	11								
		3	Sometimes	16	53	1,514	54	102	60	13,089	57								
		4	Never	9	30	868	31	52	31	6,319	27								
		Total		30	100	2,790	100	169	100	23,022	100								
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1	Never	7	23	1,000	36	55	32	6,287	27	2.2	2.1	.16	2.2	.06	2.2	-.01	
		2	Sometimes	14	47	960	34	58	34	8,525	37								
		3	Often	4	13	461	17	30	18	4,522	20								
		4	Very often	5	17	372	13	27	16	3,724	16								
		Total		30	100	2,793	100	170	100	23,058	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	1	3	374	13	18	11	1,621	7	2.7	2.5	.28	2.6	.17	2.6	.10	
		2	Sometimes	10	33	1,118	40	66	39	8,949	39								
		3	Often	15	50	870	31	54	32	8,479	37								
		4	Very often	4	13	426	15	31	18	4,038	17								
		Total		30	100	2,788	100	169	100	23,087	100								
f. Explained course material to one or more students	CLexplain	1	Never	1	3	220	8	9	5	899	4	2.7	2.6	.10	2.7	.06	2.7	-.03	
		2	Sometimes	10	33	1,094	39	63	37	8,711	38								
		3	Often	16	53	1,025	37	74	44	9,290	40								
		4	Very often	3	10	454	16	23	14	4,132	18								
		Total		30	100	2,793	100	169	100	23,032	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

First-Year Students^a in Education

				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
												Your first-year students compared with							
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	7	23	564	20	26	15	3,131	14	2.3	2.4	-.10	2.5	-.24	2.5	-.26	
		2	Sometimes	11	37	1,008	36	59	35	8,518	37								
		3	Often	8	27	771	28	54	32	7,225	31								
		4	Very often	4	13	454	16	31	18	4,219	18								
		Total		30	100	2,797	100	170	100	23,093	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	2	7	256	9	14	8	1,442	6	2.6	2.6	.05	2.7	-.04	2.7	-.04	
		2	Sometimes	11	38	1,125	40	60	36	9,044	39								
		3	Often	12	41	951	34	64	38	8,515	37								
		4	Very often	4	14	458	16	30	18	4,039	18								
		Total		29	100	2,790	100	168	100	23,040	100								
i. Given a course presentation	present	1	Never	5	17	509	18	49	29	3,345	14	2.3	2.4	-.03	2.1	.20	2.4	-.09	
		2	Sometimes	13	43	1,126	40	65	38	9,995	43								
		3	Often	9	30	789	28	37	22	6,655	29								
		4	Very often	3	10	369	13	18	11	3,074	13								
		Total		30	100	2,793	100	169	100	23,069	100								
2. During the current school year, about how often have you done the following?																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	0	0	216	8	15	9	1,460	6	2.8	2.7	.16	2.5	.34	2.7	.15	
		2	Sometimes	11	38	1,046	37	72	43	8,891	38								
		3	Often	13	45	1,012	36	61	36	8,642	37								
		4	Very often	5	17	519	19	21	12	4,105	18								
		Total		29	100	2,793	100	169	100	23,098	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	3	10	222	8	21	12	1,698	7	2.5	2.6	-.18	2.5	.01	2.6	-.16	
		2	Sometimes	12	41	1,052	38	70	41	9,150	40								
		3	Often	11	38	1,018	37	56	33	8,330	36								
		4	Very often	3	10	493	18	23	14	3,820	17								
		Total		29	100	2,785	100	170	100	22,998	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	2	7	235	8	19	11	1,951	8	2.5	2.6	-.14	2.5	.03	2.6	-.10	
		2	Sometimes	11	38	1,069	38	75	44	9,119	40								
		3	Often	15	52	942	34	49	29	8,003	35								
		4	Very often	1	3	545	20	27	16	3,971	17								
		Total		29	100	2,791	100	170	100	23,044	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education Tennessee Technological University

First-Year Students^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your first-year students compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	1	3	108	4	7	4	1,000	4	2.8	2.8	-.05	2.7	.10	2.8	.02
		2	Sometimes	10	34	870	31	67	40	7,614	33							
		3	Often	12	41	1,175	42	62	37	9,885	43							
		4	Very often	6	21	633	23	32	19	4,525	20							
		Total		29	100	2,786	100	168	100	23,024	100							
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	0	0	67	2	5	3	646	3	2.6	2.9 *	-0.42	2.9	-.36	2.9	-.34
		2	Sometimes	13	45	747	27	52	31	6,785	29							
		3	Often	14	48	1,235	44	66	39	10,087	44							
		4	Very often	2	7	740	27	47	28	5,484	24							
		Total		29	100	2,789	100	170	100	23,002	100							
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	1	3	68	2	2	1	553	2	2.8	2.9	-.10	2.8	.07	2.9	-.06
		2	Sometimes	9	31	821	29	67	39	7,040	31							
		3	Often	13	45	1,196	43	69	41	10,058	44							
		4	Very often	6	21	704	25	32	19	5,346	23							
		Total		29	100	2,789	100	170	100	22,997	100							
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	1	3	32	1	5	3	237	1	2.9	3.1	-.28	3.0	-.11	3.1	-.24
		2	Sometimes	5	17	577	21	37	22	4,924	21							
		3	Often	19	66	1,243	45	85	50	10,723	47							
		4	Very often	4	14	937	34	43	25	7,093	31							
		Total		29	100	2,789	100	170	100	22,977	100							
3. During the current school year, about how often have you done the following?																		
a. Talked about career plans with a faculty member	SFcareer	1	Never	3	10	476	17	29	17	3,579	16	2.5	2.3	.14	2.4	.13	2.4	.12
		2	Sometimes	14	47	1,261	45	75	45	10,514	46							
		3	Often	9	30	700	25	40	24	6,018	26							
		4	Very often	4	13	361	13	24	14	2,940	13							
		Total		30	100	2,798	100	168	100	23,051	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	12	40	1,456	52	79	47	10,638	46	2.0	1.7	.27	1.8	.20	1.8	.20
		2	Sometimes	9	30	786	28	54	32	7,518	33							
		3	Often	6	20	349	13	23	14	3,279	14							
		4	Very often	3	10	201	7	12	7	1,571	7							
		Total		30	100	2,792	100	168	100	23,006	100							

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Frequencies and Statistical Comparisons: Education Tennessee Technological University

First-Year Students^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Your first-year students compared with						
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	9	32	1,038	37	58	34	6,794	30	2.3	2.0	.32	2.0	.23	2.1	.22
		2	Sometimes	8	29	1,069	38	67	40	10,047	44							
		3	Often	6	21	450	16	26	15	4,303	19							
		4	Very often	5	18	232	8	18	11	1,826	8							
		Total		28	100	2,789	100	169	100	22,970	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	5	17	666	24	40	24	4,822	21	2.5	2.2	.31	2.2	.23	2.2	.30
		2	Sometimes	11	37	1,245	45	72	43	10,786	47							
		3	Often	9	30	581	21	33	20	5,143	22							
		4	Very often	5	17	298	11	24	14	2,207	10							
		Total		30	100	2,790	100	169	100	22,958	100							
4. During the current school year, how much has your coursework emphasized the following?																		
a. Memorizing course material	memorize	1	Very little	0	0	138	5	7	4	948	4	3.1	2.9	.25	2.9	.23	2.9	.22
		2	Some	5	17	747	27	47	28	5,925	26							
		3	Quite a bit	17	57	1,180	42	69	41	10,254	44							
		4	Very much	8	27	724	26	46	27	5,933	26							
		Total		30	100	2,789	100	169	100	23,060	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	0	0	122	4	12	7	803	3	2.8	2.9	-.13	2.7	.06	2.9	-.17
		2	Some	12	40	763	28	56	33	6,200	27							
		3	Quite a bit	13	43	1,226	44	69	41	10,474	46							
		4	Very much	5	17	663	24	32	19	5,492	24							
		Total		30	100	2,774	100	169	100	22,969	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	1	3	108	4	7	4	874	4	2.7	2.9	-.25	2.8	-.07	2.9	-.23
		2	Some	12	40	715	26	58	34	6,014	26							
		3	Quite a bit	11	37	1,181	42	68	40	10,003	44							
		4	Very much	6	20	775	28	37	22	6,036	26							
		Total		30	100	2,779	100	170	100	22,927	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	0	0	92	3	8	5	796	3	2.9	3.0	-.05	2.8	.13	2.9	.00
		2	Some	7	23	660	24	47	28	5,888	26							
		3	Quite a bit	18	60	1,244	45	80	47	10,338	45							
		4	Very much	5	17	769	28	35	21	5,920	26							
		Total		30	100	2,765	100	170	100	22,942	100							

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education Tennessee Technological University

First-Year Students^a in Education

				Frequency Distributions								Statistical Comparisons ^k						
				Tennessee Tech				NSSE 2015 & 2016				Your first-year students compared with						
Item wording or description	Variable name ^l	Values ^m	Response options	Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	1	3	112	4	8	5	831	4	2.7	2.9	-.30	2.8	-.11	2.9	-.30
		2	Some	13	43	736	27	57	34	6,188	27							
		3	Quite a bit	11	37	1,199	43	74	44	10,068	44							
		4	Very much	5	17	728	26	31	18	5,838	25							
		Total		30	100	2,775	100	170	100	22,925	100							
5. During the current school year, to what extent have your instructors done the following?																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	0	0	60	2	5	3	370	2	3.2	3.2	.01	3.2	-.05	3.1	.04
		2	Some	4	13	494	18	22	13	4,151	18							
		3	Quite a bit	17	57	1,187	42	76	45	10,618	46							
		4	Very much	9	30	1,056	38	66	39	7,974	35							
		Total		30	100	2,797	100	169	100	23,113	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	3	10	83	3	6	4	564	2	3.0	3.1	-.14	3.1	-.09	3.1	-.12
		2	Some	3	10	506	18	29	17	4,326	19							
		3	Quite a bit	15	50	1,209	43	79	47	10,668	46							
		4	Very much	9	30	994	36	53	32	7,519	33							
		Total		30	100	2,792	100	167	100	23,077	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	2	7	102	4	8	5	650	3	2.8	3.1 *	-.38	3.1	-.36	3.1 *	-.40
		2	Some	8	27	582	21	30	18	4,632	20							
		3	Quite a bit	15	50	1,080	39	73	43	9,750	42							
		4	Very much	5	17	1,024	37	57	34	8,003	35							
		Total		30	100	2,788	100	168	100	23,035	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	4	13	167	6	6	4	1,320	6	2.5	3.0 **	-.49	3.0 **	-.52	2.9 *	-.47
		2	Some	10	33	687	25	44	26	5,802	25							
		3	Quite a bit	12	40	985	35	66	39	8,686	38							
		4	Very much	4	13	951	34	52	31	7,228	31							
		Total		30	100	2,790	100	168	100	23,036	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	4	14	226	8	9	5	1,641	7	2.7	2.9	-.19	2.9	-.21	2.8	-.15
		2	Some	6	21	742	27	50	30	6,686	29							
		3	Quite a bit	14	48	986	36	59	36	8,781	38							
		4	Very much	5	17	821	30	48	29	5,879	26							
		Total		29	100	2,775	100	166	100	22,987	100							

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Frequencies and Statistical Comparisons: Education

Tennessee Technological University

First-Year Students^a in Education

				Frequency Distributions								Statistical Comparisons ^k									
				Tennessee Tech				Carnegie Class				THEC Peer Group				NSSE 2015 & 2016					
				Tennessee Tech				Carnegie Class				THEC Peer Group				NSSE 2015 & 2016					
				Tennessee Tech				Carnegie Class				THEC Peer Group				NSSE 2015 & 2016					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ			
6. During the current school year, about how often have you done the following?																					
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	5	17	495	18	27	16	3,954	17	2.4	2.4	-.02	2.4	.01	2.4	.01			
		2	Sometimes	11	37	1,048	37	72	42	9,138	40										
		3	Often	11	37	845	30	49	29	7,125	31										
		4	Very often	3	10	414	15	22	13	2,886	12										
			Total	30	100	2,802	100	170	100	23,103	100										
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	8	27	707	25	51	30	5,973	26	2.2	2.2	-.03	2.0	.14	2.2	.02			
		2	Sometimes	12	40	1,130	40	74	44	9,694	42										
		3	Often	7	23	660	24	32	19	5,386	23										
		4	Very often	3	10	298	11	13	8	2,027	9										
			Total	30	100	2,795	100	170	100	23,080	100										
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	10	33	703	25	48	28	5,774	25	2.0	2.2	-.19	2.1	-.09	2.1	-.16			
		2	Sometimes	11	37	1,159	42	72	43	9,984	43										
		3	Often	8	27	665	24	37	22	5,395	23										
		4	Very often	1	3	263	9	12	7	1,870	8										
			Total	30	100	2,790	100	169	100	23,023	100										
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)																					
a. Up to 5 pages	wrshortnum	0	None	2	7	142	5	17	10	936	4	4.7	6.9 *	-.39	5.1	-.10	7.1 *	-.41			
	(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	11	38	496	18	29	18	4,177	18										
		4	3-5	7	24	869	31	63	38	7,106	31										
		8	6-10	6	21	680	25	40	24	5,629	25										
		13	11-15	2	7	310	11	12	7	2,511	11										
		18	16-20	1	3	131	5	3	2	1,183	5										
		23	More than 20	0	0	133	5	1	1	1,199	5										
			Total	29	100	2,761	100	165	100	22,741	100										
b. Between 6 and 10 pages	wrmednum	0	None	19	68	1,005	38	84	53	7,518	34	1.1	2.1	-.31	1.5	-.14	2.0	-.33			
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	5	18	1,002	37	49	31	9,253	42										
		4	3-5	2	7	446	17	17	11	3,801	17										
		8	6-10	2	7	164	6	7	4	1,201	5										
		13	11-15	0	0	35	1	3	2	261	1										
		18	16-20	0	0	13	0	0	0	84	0										
		23	More than 20	0	0	13	0	0	0	59	0										
			Total	28	100	2,678	100	160	100	22,177	100										

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education Tennessee Technological University

First-Year Students^a in Education

				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
c. 11 pages or more	wrlongnum	0	None	26	87	2,125	80	132	86	17,202	79	.5	.8	-.10	.5	-.01	.7	-.07	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	2	7	359	14	16	10	3,461	16								
	4	3-5	1	3	61	2	0	0	489	2									
	8	6-10	1	3	42	2	2	1	282	1									
	13	11-15	0	0	29	1	3	2	151	1									
	18	16-20	0	0	11	0	0	0	63	0									
	23	More than 20	0	0	14	1	0	0	72	0									
	Total			30	100	2,641	100	153	100	21,720	100								
Estimated number of assigned pages of student writing.	wpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									29.4	46.7	-.28	33.7	-.10	45.3	-.30	
8. During the current school year, about how often have you had discussions with people from the following groups?																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	1	3	162	6	13	8	1,005	4	3.0	3.1	-.08	3.0	-.03	3.1	-.07	
		2	Sometimes	8	27	621	22	35	21	5,715	25								
		3	Often	11	37	878	31	57	34	7,222	31								
		4	Very often	10	33	1,142	41	65	38	9,178	40								
			Total	30	100	2,803	100	170	100	23,120	100								
b. People from an economic background other than your own	DDeconomic	1	Never	2	7	143	5	10	6	968	4	2.9	3.0	-.12	3.0	-.07	3.1	-.14	
		2	Sometimes	6	20	644	23	40	24	5,332	23								
		3	Often	14	47	973	35	59	35	8,239	36								
		4	Very often	8	27	1,036	37	60	36	8,546	37								
			Total	30	100	2,796	100	169	100	23,085	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	3	10	201	7	14	8	1,558	7	2.8	2.9	-.07	2.8	.00	2.9	-.11	
		2	Sometimes	8	27	831	30	53	31	6,363	28								
		3	Often	10	33	813	29	51	30	7,058	31								
		4	Very often	9	30	948	34	52	31	8,103	35								
			Total	30	100	2,793	100	170	100	23,082	100								
d. People with political views other than your own	DDpolitical	1	Never	1	3	211	8	15	9	1,492	6	3.0	2.9	.11	2.9	.13	2.9	.07	
		2	Sometimes	8	28	795	28	48	28	6,241	27								
		3	Often	10	34	865	31	50	29	7,549	33								
		4	Very often	10	34	921	33	57	34	7,750	34								
			Total	29	100	2,792	100	170	100	23,032	100								

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First-Year Students^a in Education

			Frequency Distributions								Statistical Comparisons ^k							
			Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
b. Hold a formal leadership role in a student organization or group	leader	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	9	30	802	29	52	31	6,751	29	10%	10%	.01	7%	.13	11%	-.02
			Do not plan to do	8	27	791	28	40	24	5,590	24							
			Plan to do	10	33	932	33	66	39	8,289	36							
			Done or in progress	3	10	273	10	11	7	2,436	11							
			Total	30	100	2,798	100	169	100	23,066	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	10	33	976	35	61	36	7,839	34	7%	13%	-.22	17%	-.32	15%	-.26
			Do not plan to do	8	27	704	25	40	24	5,681	25							
			Plan to do	10	33	752	27	40	24	6,153	27							
			Done or in progress	2	7	365	13	28	17	3,373	15							
			Total	30	100	2,797	100	169	100	23,046	100							
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	11	37	889	32	53	31	6,999	30	0%	2%	-.31	2%	-.31	3%	-.33
			Do not plan to do	11	37	916	33	60	35	6,508	28							
			Plan to do	8	27	919	33	53	31	8,902	39							
			Done or in progress	0	0	66	2	4	2	623	3							
			Total	30	100	2,790	100	170	100	23,032	100							
e. Work with a faculty member on a research project	research	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	10	33	1,183	43	77	46	9,557	42	3%	5%	-.07	5%	-.07	5%	-.07
			Do not plan to do	8	27	841	30	49	29	6,651	29							
			Plan to do	11	37	628	23	35	21	5,692	25							
			Done or in progress	1	3	131	5	8	5	1,071	5							
			Total	30	100	2,783	100	169	100	22,971	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	14	47	955	34	51	30	7,073	31	0%	3%	-.34	4%	-.41	3%	-.34
			Do not plan to do	2	7	315	11	18	11	2,124	9							
			Plan to do	14	47	1,436	52	92	55	13,145	57							
			Done or in progress	0	0	81	3	7	4	651	3							
			Total	30	100	2,787	100	168	100	22,993	100							

12. About how many of your courses at this institution have included a community-based project (service-learning)?

servcourse	Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ
1 None	9	30	1,114	40	63	37	8,985	39	1.8	.14
2 Some	18	60	1,353	49	95	56	11,682	51		
3 Most	2	7	258	9	11	6	1,955	9		
4 All	1	3	59	2	1	1	320	1		
Total	30	100	2,784	100	170	100	22,942	100		

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Frequencies and Statistical Comparisons: Education

Tennessee Technological University

First-Year Students^a in Education

Item wording or description				Frequency Distributions								Statistical Comparisons ^k									
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your first-year students compared with							
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ			
13. Indicate the quality of your interactions with the following people at your institution.																					
a. Students				QIstudent																	
		1	Poor	0	0	47	2	2	1	292	1	5.5	5.5	.00	5.3	.19	5.6	-.04			
		2		1	3	61	2	3	2	447	2										
		3		1	3	115	4	12	7	954	4										
		4		5	17	314	11	25	15	2,302	10										
		5		7	23	674	24	48	28	5,471	24										
		6		6	20	716	26	45	26	6,768	29										
	7	Excellent		10	33	848	30	34	20	6,783	29										
	—	Not applicable		0	0	30	1	1	1	116	1										
		Total		30	100	2,805	100	170	100	23,133	100										
b. Academic advisors				QIadvisor																	
		1	Poor	1	3	82	3	7	4	676	3	5.5	5.3	.13	5.1	.24	5.3	.13			
		2		2	7	125	4	7	4	1,005	4										
		3		0	0	210	8	13	8	1,667	7										
		4		1	3	365	13	25	15	3,010	13										
		5		11	37	529	19	35	21	4,530	20										
		6		4	13	588	21	43	25	5,111	22										
	7	Excellent		11	37	845	30	38	22	6,721	29										
	—	Not applicable		0	0	49	2	2	1	363	2										
		Total		30	100	2,793	100	170	100	23,083	100										
c. Faculty				QIfaculty																	
		1	Poor	0	0	42	2	1	1	309	1	5.6	5.4	.18	5.2	.32	5.4	.17			
		2		1	3	85	3	6	4	568	2										
		3		2	7	161	6	16	10	1,225	5										
		4		2	7	362	13	24	14	2,991	13										
		5		6	20	652	23	44	26	5,587	24										
		6		10	33	757	27	44	26	6,756	29										
	7	Excellent		9	30	693	25	33	20	5,413	24										
	—	Not applicable		0	0	41	1	0	0	161	1										
		Total		30	100	2,793	100	168	100	23,010	100										

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education Tennessee Technological University

First-Year Students^a in Education

				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	2	7	154	6	11	7	884	4	4.9	4.9	.01	4.6	.21	5.1	-.09	
		2		1	3	148	5	9	5	1,028	4								
		3		0	0	202	7	14	8	1,607	7								
		4		6	20	369	13	32	19	3,129	14								
		5		5	17	515	18	42	25	4,790	21								
		6		7	23	519	19	31	18	5,088	22								
		7	Excellent	4	13	535	19	17	10	4,611	20								
		—	Not applicable	5	17	348	12	12	7	1,888	8								
	Total			30	100	2,790	100	168	100	23,025	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	2	7	157	6	14	8	953	4	5.2	4.9	.17	4.6	.34	5.0	.12	
		2		0	0	191	7	12	7	1,234	5								
		3		1	3	215	8	15	9	1,910	8								
		4		6	20	391	14	26	15	3,335	14								
		5		7	23	561	20	34	20	4,793	21								
		6		5	17	535	19	39	23	4,967	22								
		7	Excellent	8	27	572	21	20	12	4,513	20								
		—	Not applicable	1	3	168	6	10	6	1,337	6								
	Total			30	100	2,790	100	170	100	23,042	100								
14. How much does your institution emphasize the following?																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	0	0	48	2	6	4	306	1	2.9	3.2	-.35	3.1	-.25	3.2 *	-.37	
		2	Some	8	27	425	15	30	18	3,637	16								
		3	Quite a bit	17	57	1,344	48	75	44	10,948	48								
		4	Very much	5	17	966	35	58	34	8,139	35								
			Total			30	100	2,783	100	169	100								23,030
b. Providing support to help students succeed academically	SEacademic	1	Very little	1	3	98	4	9	5	657	3	2.8	3.1 *	-.36	3.0	-.24	3.1 *	-.40	
		2	Some	8	27	549	20	38	23	4,236	18								
		3	Quite a bit	17	57	1,091	39	64	38	9,584	42								
		4	Very much	4	13	1,027	37	57	34	8,431	37								
			Total			30	100	2,765	100	168	100								22,908
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	2	7	184	7	14	8	1,201	5	3.0	3.1	-.17	3.1	-.13	3.1	-.20	
		2	Some	4	13	441	16	24	14	3,810	17								
		3	Quite a bit	17	57	1,011	36	65	38	8,363	36								
		4	Very much	7	23	1,136	41	66	39	9,543	42								
			Total			30	100	2,772	100	169	100								22,917

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education Tennessee Technological University

First-Year Students^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your first-year students compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	2	7	290	10	24	14	2,226	10	2.5	2.8	-.30	2.6	-.10	2.8	-.29
		2	Some	12	40	728	26	49	29	6,393	28							
		3	Quite a bit	14	47	940	34	59	35	7,890	34							
		4	Very much	2	7	819	29	35	21	6,449	28							
		Total		30	100	2,777	100	167	100	22,958	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	0	0	163	6	14	8	1,088	5	2.8	3.0	-.22	2.9	-.10	3.1	-.27
		2	Some	10	33	585	21	39	23	4,553	20							
		3	Quite a bit	15	50	1,031	37	61	36	8,983	39							
		4	Very much	5	17	996	36	54	32	8,354	36							
		Total		30	100	2,775	100	168	100	22,978	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	1	3	232	8	15	9	1,242	5	2.8	3.0	-.15	2.9	-.09	3.0	-.21
		2	Some	9	30	589	21	38	23	4,915	21							
		3	Quite a bit	14	47	966	35	61	36	8,891	39							
		4	Very much	6	20	984	36	54	32	7,893	34							
		Total		30	100	2,771	100	168	100	22,941	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	6	20	585	21	41	25	4,284	19	2.3	2.4	-.16	2.3	-.08	2.4	-.18
		2	Some	13	43	896	32	55	33	8,044	35							
		3	Quite a bit	8	27	795	29	43	26	6,787	30							
		4	Very much	3	10	486	18	28	17	3,818	17							
		Total		30	100	2,762	100	167	100	22,933	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	0	0	303	11	19	11	1,392	6	2.9	2.9	.01	2.9	.01	3.0	-.12
		2	Some	9	30	593	21	37	22	4,899	21							
		3	Quite a bit	15	50	970	35	56	33	8,847	39							
		4	Very much	6	20	900	33	57	34	7,768	34							
		Total		30	100	2,766	100	169	100	22,906	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	2	7	501	18	34	20	2,990	13	2.4	2.5	-.08	2.5	-.05	2.6	-.20
		2	Some	15	50	881	32	52	31	7,482	33							
		3	Quite a bit	11	37	832	30	49	29	7,617	33							
		4	Very much	2	7	548	20	33	20	4,779	21							
		Total		30	100	2,762	100	168	100	22,868	100							

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

First-Year Students^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
15. About how many hours do you spend in a typical 7-day week doing the following?																			
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	1	3	21	1	1	1	94	0	12.4	13.5	-.13	11.9	.06	14.0	-.20	
	(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5	17	439	16	35	21	3,232	14								
		8	6-10 hrs	9	30	723	26	57	34	5,733	25								
		13	11-15 hrs	7	23	589	21	32	19	5,132	22								
		18	16-20 hrs	3	10	496	18	20	12	4,119	18								
		23	21-25 hrs	1	3	267	10	9	5	2,447	11								
		28	26-30 hrs	3	10	126	5	9	5	1,150	5								
		33	More than 30 hrs	1	3	128	5	7	4	1,155	5								
	Total			30	100	2,789	100	170	100	23,062	100								
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	10	34	1,112	40	67	40	6,907	30	5.2	5.1	.02	4.7	.08	5.9	-.09	
	(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	10	34	788	28	50	30	7,802	34								
		8	6-10 hrs	3	10	411	15	27	16	3,707	16								
		13	11-15 hrs	4	14	208	7	15	9	2,079	9								
		18	16-20 hrs	1	3	127	5	3	2	1,313	6								
		23	21-25 hrs	0	0	63	2	5	3	613	3								
		28	26-30 hrs	1	3	35	1	0	0	246	1								
		33	More than 30 hrs	0	0	32	1	2	1	295	1								
	Total			29	100	2,776	100	169	100	22,962	100								
c. Working for pay on campus	tmworkonhrs	0	0 hrs	25	83	2,220	80	131	78	17,648	77	1.3	2.4	-.19	2.2	-.19	2.4	-.21	
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	0	0	87	3	7	4	1,202	5								
		8	6-10 hrs	5	17	169	6	12	7	1,902	8								
		13	11-15 hrs	0	0	151	5	11	7	1,188	5								
		18	16-20 hrs	0	0	110	4	5	3	740	3								
		23	21-25 hrs	0	0	25	1	1	1	187	1								
		28	26-30 hrs	0	0	10	0	0	0	65	0								
		33	More than 30 hrs	0	0	8	0	0	0	71	0								
	Total			30	100	2,780	100	167	100	23,003	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

First-Year Students^a in Education

				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	12	40	1,717	62	102	60	15,490	68	8.6	6.9	.15	6.5	.23	4.9 *	.41	
		(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	10	150	5	5	3	1,411								6
			8	6-10 hrs	2	7	148	5	10	6	1,393								6
			13	11-15 hrs	5	17	164	6	21	12	1,260								5
			18	16-20 hrs	4	13	170	6	16	9	1,288								6
			23	21-25 hrs	3	10	104	4	6	4	837								4
			28	26-30 hrs	1	3	74	3	4	2	505								2
			33	More than 30 hrs	0	0	240	9	6	4	757								3
		Total			30	100	2,767	100	170	100	22,941								100
Estimated number of hours working for pay	tmworkhrs											10.0	9.3	.06	8.5	.14	7.3	.26	
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	17	57	1,482	54	98	58	12,196	53	4.8	2.9	.37	2.1	.56	2.5	.54	
		(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	6	20	889	32	53	32	8,021								35
			8	6-10 hrs	2	7	199	7	10	6	1,481								6
			13	11-15 hrs	1	3	91	3	4	2	590								3
			18	16-20 hrs	1	3	51	2	1	1	302								1
			23	21-25 hrs	2	7	27	1	2	1	145								1
			28	26-30 hrs	0	0	9	0	0	0	47								0
			33	More than 30 hrs	1	3	22	1	0	0	79								0
	Total			30	100	2,770	100	168	100	22,861	100								
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	1	3	78	3	6	4	383	2	9.9	11.4	-.18	11.9	-.23	12.0	-.25	
		(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	12	40	714	26	37	22	5,055								22
			8	6-10 hrs	5	17	751	27	47	28	6,494								28
			13	11-15 hrs	4	13	515	19	34	20	4,717								21
			18	16-20 hrs	4	13	326	12	21	12	2,932								13
			23	21-25 hrs	3	10	171	6	9	5	1,485								6
			28	26-30 hrs	1	3	77	3	4	2	672								3
		33	More than 30 hrs	0	0	150	5	12	7	1,216	5								
	Total			30	100	2,782	100	170	100	22,954	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

First-Year Students^a in Education

				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your first-year students compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	17	59	1,846	67	127	75	17,348	76	5.9	4.8	.11	3.0	.36	2.5	.51	
	(Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	10	342	12	20	12	2,651	12								
	8	6-10 hrs	2	7	142	5	10	6	1,074	5									
	13	11-15 hrs	2	7	88	3	1	1	562	2									
	18	16-20 hrs	2	7	61	2	1	1	342	1									
	23	21-25 hrs	1	3	39	1	2	1	189	1									
	28	26-30 hrs	1	3	29	1	1	1	111	0									
	33	More than 30 hrs	1	3	219	8	8	5	606	3									
	Total		29	100	2,766	100	170	100	22,883	100									
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	5	17	1,310	47	57	34	10,052	44	6.5	3.5 **	.53	4.7	.27	3.5 **	.56	
	(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	10	33	912	33	70	41	8,640	38								
	8	6-10 hrs	13	43	314	11	20	12	2,507	11									
	13	11-15 hrs	0	0	119	4	12	7	853	4									
	18	16-20 hrs	0	0	63	2	4	2	447	2									
	23	21-25 hrs	0	0	23	1	2	1	183	1									
	28	26-30 hrs	1	3	15	1	2	1	88	0									
	33	More than 30 hrs	1	3	27	1	3	2	230	1									
Total		30	100	2,783	100	170	100	23,000	100										
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																			
reading	1	Very little	6	21	293	11	30	18	2,402	10	2.3	2.8 *	-.48	2.5	-.22	2.8 *	-.46		
(Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)	2	Some	12	41	850	30	54	32	7,311	32									
3	About half	8	28	897	32	56	33	6,998	30										
4	Most	2	7	534	19	24	14	4,656	20										
5	Almost all	1	3	216	8	6	4	1,602	7										
Total		29	100	2,790	100	170	100	22,969	100										
tmreadinghrs	(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)											4.4	6.5	-.36	5.0	-.11	6.6 *	-.39	

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

First-Year Students^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k					
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Your first-year students compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean
	tmreadinghrscol	1	0 hrs	1	3	21	1	1	1	89	0						
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	19	66	1,424	51	108	64	11,386	50						
		3	More than 5, up to 10 hrs	7	24	808	29	46	27	6,963	30						
		4	More than 10, up to 15 hrs	0	0	270	10	5	3	2,333	10						
		5	More than 15, up to 20 hrs	1	3	126	5	4	2	1,112	5						
		6	More than 20, up to 25 hrs	1	3	81	3	4	2	715	3						
		7	More than 25 hrs	0	0	46	2	2	1	277	1						
			Total	29	100	2,776	100	170	100	22,875	100						

17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

a. Writing clearly and effectively	pgwrite	1	Very little	4	13	160	6	10	6	1,435	6	2.6	2.9	-.34	2.8	-.24	2.9	-.28
		2	Some	6	20	684	25	46	27	5,972	26							
		3	Quite a bit	17	57	1,129	40	75	44	9,737	42							
		4	Very much	3	10	818	29	38	22	5,923	26							
			Total	30	100	2,791	100	169	100	23,067	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	3	10	237	9	18	11	2,118	9	2.5	2.8	-.34	2.6	-.16	2.7	-.30
		2	Some	13	43	814	29	60	36	6,867	30							
		3	Quite a bit	11	37	1,063	38	61	36	8,955	39							
		4	Very much	3	10	667	24	30	18	5,071	22							
			Total	30	100	2,781	100	169	100	23,011	100							
c. Thinking critically and analytically	pgthink	1	Very little	0	0	69	2	8	5	676	3	2.9	3.1	-.26	2.9	-.05	3.1	-.22
		2	Some	9	30	548	20	37	22	4,446	19							
		3	Quite a bit	15	50	1,187	43	81	48	10,342	45							
		4	Very much	6	20	978	35	43	25	7,546	33							
			Total	30	100	2,782	100	169	100	23,010	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	2	7	539	19	26	15	4,613	20	2.6	2.4	.13	2.5	.09	2.4	.18
		2	Some	13	43	967	35	59	35	8,076	35							
		3	Quite a bit	11	37	792	28	60	36	6,891	30							
		4	Very much	4	13	484	17	24	14	3,421	15							
			Total	30	100	2,782	100	169	100	23,001	100							

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

First-Year Students^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your first-year students compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	2	7	337	12	26	15	2,612	11	2.8	2.7	.10	2.5	.31	2.7	.10
		2	Some	9	30	820	29	56	33	6,946	30							
		3	Quite a bit	12	40	953	34	60	36	8,135	35							
		4	Very much	7	23	675	24	26	15	5,339	23							
		Total	30	100	2,785	100	168	100	23,032	100								
f. Working effectively with others	pgothers	1	Very little	1	3	159	6	13	8	1,257	5	2.8	2.9	-.11	2.8	.03	2.9	-.10
		2	Some	9	30	702	25	48	29	5,675	25							
		3	Quite a bit	14	47	1,084	39	65	39	9,679	42							
		4	Very much	6	20	836	30	41	25	6,393	28							
		Total	30	100	2,781	100	167	100	23,004	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	5	17	258	9	29	17	2,200	10	2.4	2.8 **	-.50	2.5	-.18	2.8 *	-.45
		2	Some	10	33	730	26	52	31	6,389	28							
		3	Quite a bit	14	47	996	36	54	32	8,643	38							
		4	Very much	1	3	796	29	33	20	5,793	25							
		Total	30	100	2,780	100	168	100	23,025	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	2	7	261	9	21	13	2,004	9	2.5	2.8	-.36	2.6	-.10	2.8	-.34
		2	Some	16	53	740	27	58	35	6,361	28							
		3	Quite a bit	7	23	964	35	58	35	8,568	37							
		4	Very much	5	17	818	29	31	18	6,113	27							
		Total	30	100	2,783	100	168	100	23,046	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	3	10	352	13	26	15	2,727	12	2.5	2.6	-.13	2.5	.02	2.6	-.12
		2	Some	13	43	932	34	61	36	7,899	34							
		3	Quite a bit	10	33	903	33	55	33	7,959	35							
		4	Very much	4	13	584	21	26	15	4,424	19							
		Total	30	100	2,771	100	168	100	23,009	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	4	13	372	13	24	14	2,696	12	2.6	2.6	-.06	2.6	-.04	2.6	-.08
		2	Some	10	33	889	32	53	31	7,483	33							
		3	Quite a bit	11	37	918	33	57	34	8,079	35							
		4	Very much	5	17	593	21	35	21	4,691	20							
		Total	30	100	2,772	100	169	100	22,949	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

First-Year Students^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your first-year students compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
18. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	0	0	33	1	1	1	308	1	3.2	3.3	-.13	3.2	.01	3.3	-.17
		2	Fair	4	13	329	12	27	16	2,309	10							
		3	Good	17	57	1,313	47	84	50	10,972	47							
		4	Excellent	9	30	1,124	40	56	33	9,527	41							
		Total		30	100	2,799	100	168	100	23,116	100							
19. If you could start over again, would you go to the same institution you are now attending?																		
	sameinst	1	Definitely no	1	3	91	3	8	5	726	3	3.3	3.3	.07	3.2	.17	3.3	.03
		2	Probably no	2	7	318	11	23	14	2,404	10							
		3	Probably yes	13	43	1,117	40	67	40	9,082	39							
		4	Definitely yes	14	47	1,279	46	71	42	10,946	47							
		Total		30	100	2,805	100	169	100	23,158	100							

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k													
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your seniors compared with											
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ							
1. During the current school year, about how often have you done the following?																									
a. Asked questions or contributed to course discussions in other ways	askquest	1 2 3 4	Never Sometimes Often Very often	1 9 22 48	1 11 28 60	53 674 1,136 1,923	1 18 30 51	7 44 75 106	3 19 32 46	393 5,484 9,267 14,336	1 19 31 49	3.5	3.3	.20	3.2 *	.31	3.3 *	.23							
Total				80	100	3,786	100	232	100	29,480	100														
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1 2 3 4	Never Sometimes Often Very often	10 24 18 27	13 30 23 34	690 1,256 979 849	18 33 26 22	51 75 57 49	22 32 25 21	5,712 10,657 7,403 5,625	19 36 25 19								2.8	2.5 *	.25	2.4 *	.32	2.4 **	.34
Total				79	100	3,774	100	232	100	29,397	100														
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1 2 3 4	Very often Often Sometimes Never	4 6 35 34	5 8 44 43	202 407 1,951 1,212	5 11 52 32	8 21 125 77	3 9 54 33	1,528 3,472 16,233 8,098	5 12 55 28														
Total				79	100	3,772	100	231	100	29,331	100														
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1 2 3 4	Never Sometimes Often Very often	29 29 6 15	37 37 8 19	1,540 1,171 483 580	41 31 13 15	87 75 28 42	38 32 12 18	9,714 10,023 4,307 5,305	33 34 15 18	2.1	2.0	.06	2.1	-.02	2.2	-.08							
Total				79	100	3,774	100	232	100	29,349	100														
e. Asked another student to help you understand course material	CLaskhelp	1 2 3 4	Never Sometimes Often Very often	3 32 23 22	4 40 29 28	567 1,627 1,037 544	15 43 27 14	16 101 64 51	7 44 28 22	2,689 12,559 9,341 4,808	9 43 32 16								2.8	2.4 ***	.42	2.6	.17	2.6 *	.28
Total				80	100	3,775	100	232	100	29,397	100														
f. Explained course material to one or more students	CLexplain	1 2 3 4	Never Sometimes Often Very often	0 18 34 27	0 23 43 34	231 1,336 1,348 851	6 35 36 23	6 72 80 72	3 31 35 31	915 9,251 12,038 7,148	3 32 41 24														
Total				79	100	3,766	100	230	100	29,352	100														

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your seniors compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ		
														Effect size ⁿ	Mean		Effect size ⁿ	Effect size ⁿ	
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	1	1	147	4	21	9	1,079	4	3.1	2.9	.16	2.8 **	.34	2.9	.20	
		2	Sometimes	20	25	989	26	69	30	8,542	29								
		3	Often	33	41	1,644	44	89	38	12,231	42								
		4	Very often	26	33	978	26	53	23	7,450	25								
		Total		80	100	3,758	100	232	100	29,302	100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	1	1	96	3	12	5	716	2	3.1	3.0	.09	2.9	.17	3.0	.11	
		2	Sometimes	16	20	920	25	60	26	7,498	26								
		3	Often	39	49	1,618	43	92	40	12,515	43								
		4	Very often	24	30	1,116	30	68	29	8,595	29								
		Total		80	100	3,750	100	232	100	29,324	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	0	0	65	2	7	3	491	2	3.0	3.0	.07	2.9	.13	3.0	.06	
		2	Sometimes	23	29	1,076	29	76	33	8,096	28								
		3	Often	33	41	1,575	42	82	35	12,606	43								
		4	Very often	24	30	1,040	28	67	29	8,101	28								
		Total		80	100	3,756	100	232	100	29,294	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	1	1	21	1	5	2	210	1	3.4	3.3	.09	3.2	.23	3.3	.10	
		2	Sometimes	9	11	488	13	41	18	3,835	13								
		3	Often	30	38	1,590	43	92	40	12,435	43								
		4	Very often	40	50	1,642	44	93	40	12,748	44								
		Total		80	100	3,741	100	231	100	29,228	100								
3. During the current school year, about how often have you done the following?																			
a. Talked about career plans with a faculty member	SFcareer	1	Never	6	8	535	14	34	15	2,979	10	2.9	2.6 *	.28	2.7	.20	2.7	.17	
		2	Sometimes	23	29	1,361	36	77	33	10,331	35								
		3	Often	25	32	1,023	27	54	23	8,558	29								
		4	Very often	24	31	844	22	66	29	7,473	25								
		Total		78	100	3,763	100	231	100	29,341	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	27	34	1,712	46	81	35	10,659	36	2.1	1.9	.14	2.1	-.07	2.1	-.02	
		2	Sometimes	33	42	1,077	29	75	33	9,529	33								
		3	Often	6	8	508	14	34	15	5,106	17								
		4	Very often	13	16	455	12	40	17	3,989	14								
		Total		79	100	3,752	100	230	100	29,283	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

				Frequency Distributions								Statistical Comparisons ^k						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your seniors compared with				
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ	
														Mean	Effect size ⁿ			
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	6	8	129	3	9	4	1,063	4	3.0	3.0	-.06	3.0	.00	3.0	-.04
		2	Some	16	20	835	22	57	25	6,653	23							
		3	Quite a bit	32	40	1,598	43	91	40	12,543	43							
		4	Very much	26	33	1,188	32	70	31	8,981	31							
		Total		80	100	3,750	100	227	100	29,240	100							
5. During the current school year, to what extent have your instructors done the following?																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	7	9	97	3	8	3	602	2	3.2	3.2	-.02	3.2	-.10	3.2	-.02
		2	Some	9	11	655	17	36	16	4,938	17							
		3	Quite a bit	29	36	1,551	41	82	35	12,848	44							
		4	Very much	35	44	1,477	39	106	46	11,057	38							
		Total		80	100	3,780	100	232	100	29,445	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	6	8	119	3	14	6	782	3	3.0	3.1	-.14	3.1	-.11	3.1	-.13
		2	Some	16	21	639	17	33	14	5,096	17							
		3	Quite a bit	26	33	1,601	42	92	40	13,091	45							
		4	Very much	30	38	1,414	37	90	39	10,427	35							
		Total		78	100	3,773	100	229	100	29,396	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	5	6	158	4	7	3	932	3	3.1	3.1	-.02	3.2	-.12	3.1	-.07
		2	Some	18	23	701	19	37	16	5,321	18							
		3	Quite a bit	22	28	1,527	41	93	41	11,909	41							
		4	Very much	34	43	1,379	37	92	40	11,197	38							
		Total		79	100	3,765	100	229	100	29,359	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	9	11	284	8	18	8	2,110	7	3.0	3.0	.08	2.9	.10	2.9	.08
		2	Some	16	20	927	25	62	27	7,147	24							
		3	Quite a bit	18	23	1,248	33	70	30	10,272	35							
		4	Very much	36	46	1,314	35	82	35	9,829	33							
		Total		79	100	3,773	100	232	100	29,358	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	13	16	205	5	14	6	1,752	6	2.9	3.0	-.03	3.0	-.02	2.9	.02
		2	Some	9	11	901	24	56	24	7,356	25							
		3	Quite a bit	26	33	1,437	38	83	36	11,258	38							
		4	Very much	31	39	1,212	32	77	33	8,894	30							
		Total		79	100	3,755	100	230	100	29,260	100							

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
6. During the current school year, about how often have you done the following?																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	12	15	733	19	46	20	5,777	20	2.5	2.4	.09	2.4	.10	2.4	.12	
		2	Sometimes	31	39	1,376	36	85	37	11,222	38								
		3	Often	24	30	1,143	30	67	29	8,387	28								
		4	Very often	13	16	522	14	34	15	4,064	14								
			Total	80	100	3,774	100	232	100	29,450	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	23	29	1,016	27	73	31	7,847	27	2.3	2.2	.09	2.1	.15	2.2	.10	
		2	Sometimes	26	33	1,463	39	86	37	11,756	40								
		3	Often	16	20	912	24	47	20	6,647	23								
		4	Very often	14	18	387	10	26	11	3,164	11								
			Total	79	100	3,778	100	232	100	29,414	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	19	24	977	26	58	25	7,434	25	2.2	2.2	.03	2.2	.01	2.2	.02	
		2	Sometimes	36	45	1,535	41	97	42	12,196	42								
		3	Often	15	19	887	24	52	22	6,802	23								
		4	Very often	10	13	367	10	25	11	2,926	10								
			Total	80	100	3,766	100	232	100	29,358	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)																			
a. Up to 5 pages	wrshortnum	0	None	7	9	188	5	18	8	1,470	5	6.8	8.6 *	-0.25	7.1	-0.05	8.0	-0.17	
	(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	14	18	668	18	54	24	5,253	18								
		4	3-5	24	32	965	26	56	25	8,062	28								
		8	6-10	14	18	703	19	42	19	6,070	21								
		13	11-15	8	11	400	11	26	12	3,060	11								
		18	16-20	5	7	244	7	7	3	1,764	6								
		23	More than 20	4	5	500	14	21	9	2,981	10								
			Total	76	100	3,668	100	224	100	28,660	100								
b. Between 6 and 10 pages	wrmednum	0	None	20	27	911	25	71	33	6,639	24	3.1	3.6	-0.11	2.8	.06	3.3	-0.04	
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	22	29	1,177	33	72	33	10,389	37								
		4	3-5	26	35	819	23	47	22	6,742	24								
		8	6-10	2	3	411	11	19	9	2,796	10								
		13	11-15	2	3	132	4	3	1	892	3								
		18	16-20	3	4	72	2	1	0	381	1								
		23	More than 20	0	0	76	2	5	2	364	1								
			Total	75	100	3,598	100	218	100	28,203	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education Tennessee Technological University

Seniors^a in Education

				Frequency Distributions								Statistical Comparisons ^k									
				Tennessee Tech				Carnegie Class				THEC Peer Group				Your seniors compared with					
								NSSE 2015 & 2016				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ			
c. 11 pages or more	wrlongnum	0	None	32	42	1,772	50	112	50	13,726	49	2.0	1.9	.03	1.8	.05	1.7	.09			
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	34	45	1,146	32	85	38	9,714	35										
		4	3-5	4	5	341	10	13	6	2,683	10										
		8	6-10	2	3	127	4	2	1	812	3										
		13	11-15	2	3	61	2	4	2	372	1										
		18	16-20	1	1	30	1	2	1	189	1										
		23	More than 20	1	1	51	1	5	2	289	1										
			Total			76	100	3,528	100	223	100								27,785	100	
Estimated number of assigned pages of student writing.	wpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									70.1	80.0	-.11	67.7	.02	72.6	-.03			
8. During the current school year, about how often have you had discussions with people from the following groups?																					
a. People of a race or ethnicity other than your own	DDrace	1	Never	8	10	196	5	11	5	1,346	5	2.8	3.1 **	-.36	3.2 **	-.43	3.1 **	-.31			
		2	Sometimes	26	33	837	22	49	21	7,528	26										
		3	Often	21	27	1,097	29	59	25	8,647	29										
		4	Very often	24	30	1,642	44	113	49	11,938	41										
			Total	79	100	3,772	100	232	100	29,459	100										
b. People from an economic background other than your own	DDeconomic	1	Never	5	6	166	4	9	4	1,044	4	3.0	3.1	-.16	3.2	-.24	3.1	-.16			
		2	Sometimes	20	25	801	21	51	22	6,761	23										
		3	Often	29	36	1,312	35	65	28	10,208	35										
		4	Very often	26	33	1,492	40	107	46	11,396	39										
			Total	80	100	3,771	100	232	100	29,409	100										
c. People with religious beliefs other than your own	DDreligion	1	Never	5	6	267	7	14	6	1,858	6	2.8	2.9	-.18	3.0 *	-.28	3.0	-.21			
		2	Sometimes	32	40	1,041	28	60	26	8,007	27										
		3	Often	20	25	1,127	30	60	26	8,879	30										
		4	Very often	23	29	1,328	35	96	42	10,642	36										
			Total	80	100	3,763	100	230	100	29,386	100										
d. People with political views other than your own	DDpolitical	1	Never	2	3	239	6	13	6	1,579	5	2.9	3.0	-.08	3.1	-.19	3.0	-.11			
		2	Sometimes	29	36	993	26	60	26	7,695	26										
		3	Often	25	31	1,193	32	58	25	9,579	33										
		4	Very often	24	30	1,327	35	101	44	10,453	36										
			Total	80	100	3,752	100	232	100	29,306	100										

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your seniors compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
b. Hold a formal leadership role in a student organization or group	leader	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	11	14	474	13	23	10	3,047	10	34%	31%	.05	39%	-.10	39%	-.11
			Do not plan to do	40	50	1,779	47	105	45	12,786	44							
			Plan to do	2	3	335	9	14	6	2,059	7							
			Done or in progress	27	34	1,177	31	89	39	11,500	39							
			Total	80	100	3,765	100	231	100	29,392	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	5	6	537	14	27	12	3,561	12	43%	28% **	.32	33%	.19	33%	.20
			Do not plan to do	36	45	1,757	47	99	43	13,434	46							
			Plan to do	5	6	435	12	28	12	2,749	9							
			Done or in progress	34	43	1,036	28	77	33	9,600	33							
			Total	80	100	3,765	100	231	100	29,344	100							
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	6	8	545	14	28	12	3,474	12	5%	8%	-.13	5%	.01	13% *	-.29
			Do not plan to do	68	85	2,612	69	178	77	19,993	68							
			Plan to do	2	3	294	8	13	6	2,024	7							
			Done or in progress	4	5	312	8	11	5	3,838	13							
			Total	80	100	3,763	100	230	100	29,329	100							
e. Work with a faculty member on a research project	research	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	8	10	671	18	34	15	4,250	15	24%	15% *	.21	22%	.05	20%	.09
			Do not plan to do	46	58	2,092	56	120	52	16,042	55							
			Plan to do	7	9	406	11	25	11	3,097	11							
			Done or in progress	19	24	572	15	50	22	5,851	20							
			Total	80	100	3,741	100	229	100	29,240	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	1	1	439	12	19	8	2,223	8	59%	42% **	.34	52%	.13	51%	.16
			Do not plan to do	18	23	815	22	41	18	5,104	17							
			Plan to do	14	18	937	25	50	22	7,081	24							
			Done or in progress	47	59	1,568	42	120	52	14,953	51							
			Total	80	100	3,759	100	230	100	29,361	100							

12. About how many of your courses at this institution have included a community-based project (service-learning)?

servcourse	1	2	3	4	Total	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
1	None	21	26	946	25	50	22	6,934	24	2.0	2.0	-.02	2.0	-.05	2.0	-.01					
2	Some	42	53	2,064	55	134	58	17,057	58												
3	Most	16	20	641	17	44	19	4,655	16												
4	All	1	1	114	3	3	1	702	2												
Total		80	100	3,765	100	231	100	29,348	100												

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your seniors compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
13. Indicate the quality of your interactions with the following people at your institution.																		
a. Students	QIstudent	1	Poor	1	1	34	1	3	1	244	1	6.0	5.8	.17	5.8	.18	5.8	.16
		2		0	0	49	1	4	2	390	1							
		3		2	3	108	3	3	1	916	3							
		4		4	5	349	9	23	10	2,384	8							
		5		17	21	807	21	54	23	6,395	22							
		6		22	28	1,060	28	61	26	8,837	30							
		7	Excellent	34	43	1,317	35	83	36	10,144	34							
		—	Not applicable	0	0	62	2	0	0	177	1							
		Total		80	100	3,786	100	231	100	29,487	100							
b. Academic advisors	QIadvisor	1	Poor	6	8	212	6	13	6	1,255	4	4.9	5.2	-.15	5.3	-.19	5.3	-.21
		2		7	9	214	6	11	5	1,461	5							
		3		7	9	270	7	11	5	2,074	7							
		4		10	13	415	11	27	12	3,246	11							
		5		13	16	641	17	43	19	5,276	18							
		6		10	13	748	20	47	20	6,188	21							
		7	Excellent	27	34	1,237	33	77	33	9,711	33							
		—	Not applicable	0	0	40	1	2	1	232	1							
		Total		80	100	3,777	100	231	100	29,443	100							
c. Faculty	QIfaculty	1	Poor	2	3	52	1	6	3	313	1	5.6	5.7	-.07	5.4	.10	5.7	-.07
		2		3	4	64	2	2	1	499	2							
		3		5	6	154	4	15	6	1,040	4							
		4		5	6	334	9	32	14	2,771	9							
		5		16	20	808	22	50	22	6,509	22							
		6		20	25	1,106	29	60	26	9,194	31							
		7	Excellent	29	36	1,200	32	66	28	8,815	30							
		—	Not applicable	0	0	36	1	1	0	136	0							
		Total		80	100	3,754	100	232	100	29,277	100							

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your seniors compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ		
														Mean	Effect size ⁿ		Mean	Effect size ⁿ	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	5	6	204	5	11	5	1,296	4	4.7	4.8	-.06	4.8	-.03	4.9	-.10	
		2		2	3	182	5	8	3	1,438	5								
		3		10	13	249	7	20	9	2,011	7								
		4		12	15	428	11	31	13	3,858	13								
		5		12	15	601	16	40	17	5,514	19								
		6		9	11	581	15	30	13	5,389	18								
		7	Excellent	16	20	636	17	36	16	4,886	17								
		—	Not applicable	14	18	889	24	56	24	4,939	17								
	Total	80	100	3,770	100	232	100	29,331	100										
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	4	5	210	6	19	8	1,354	5	4.9	4.9	-.04	4.6	.16	4.9	-.02	
		2		1	1	231	6	20	9	1,637	6								
		3		11	14	288	8	23	10	2,492	8								
		4		11	14	547	14	36	16	4,464	15								
		5		22	28	693	18	38	17	6,320	21								
		6		17	21	764	20	41	18	6,157	21								
		7	Excellent	13	16	854	23	44	19	5,700	19								
		—	Not applicable	1	1	194	5	9	4	1,299	4								
	Total	80	100	3,781	100	230	100	29,423	100										
14. How much does your institution emphasize the following?																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	2	3	74	2	6	3	555	2	3.0	3.1	-.21	3.1	-.17	3.1	-.20	
		2	Some	24	30	695	18	40	17	5,448	19								
		3	Quite a bit	28	35	1,686	45	109	47	13,368	45								
		4	Very much	25	32	1,308	35	75	33	10,010	34								
			Total	79	100	3,763	100	230	100	29,381	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	5	6	169	5	10	4	1,159	4	2.9	3.0	-.10	2.9	.00	3.0	-.11	
		2	Some	20	25	841	22	62	27	6,412	22								
		3	Quite a bit	30	38	1,519	41	95	41	12,582	43								
		4	Very much	24	30	1,213	32	65	28	9,068	31								
			Total	79	100	3,742	100	232	100	29,221	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	12	15	329	9	24	10	2,513	9	2.7	2.9 *	-.23	2.8	-.13	2.9	-.21	
		2	Some	19	24	870	23	61	26	6,946	24								
		3	Quite a bit	29	37	1,356	36	78	34	11,003	38								
		4	Very much	19	24	1,190	32	69	30	8,790	30								
			Total	79	100	3,745	100	232	100	29,252	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education Tennessee Technological University

Seniors^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your seniors compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	15	19	555	15	41	18	4,312	15	2.5	2.7	-.16	2.5	-.01	2.6	-.11
		2	Some	28	35	1,081	29	80	35	9,163	31							
		3	Quite a bit	17	22	1,158	31	59	26	9,215	31							
		4	Very much	19	24	959	26	50	22	6,620	23							
		Total		79	100	3,753	100	230	100	29,310	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	8	10	324	9	11	5	1,934	7	2.8	2.9	-.04	2.9	-.11	2.9	-.11
		2	Some	20	25	966	26	64	28	7,036	24							
		3	Quite a bit	28	35	1,332	36	84	36	11,388	39							
		4	Very much	23	29	1,122	30	72	31	8,935	31							
		Total		79	100	3,744	100	231	100	29,293	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	12	15	501	13	26	11	2,872	10	2.7	2.8	-.03	2.8	-.10	2.8	-.11
		2	Some	20	25	965	26	55	24	7,539	26							
		3	Quite a bit	25	32	1,236	33	85	37	10,729	37							
		4	Very much	22	28	1,043	28	65	28	8,114	28							
		Total		79	100	3,745	100	231	100	29,254	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	31	39	1,281	34	82	35	9,432	32	2.0	2.1	-.13	2.0	-.04	2.1	-.13
		2	Some	27	34	1,181	32	80	35	10,145	35							
		3	Quite a bit	11	14	784	21	46	20	6,192	21							
		4	Very much	10	13	494	13	23	10	3,484	12							
		Total		79	100	3,740	100	231	100	29,253	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	15	19	651	17	26	11	3,402	12	2.6	2.6	-.06	2.8	-.26	2.8	-.19
		2	Some	20	25	972	26	58	25	7,761	27							
		3	Quite a bit	27	34	1,176	31	74	32	10,460	36							
		4	Very much	17	22	936	25	73	32	7,599	26							
		Total		79	100	3,735	100	231	100	29,222	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	21	27	871	23	48	21	5,524	19	2.3	2.4	-.06	2.4	-.09	2.4	-.13
		2	Some	30	38	1,269	34	85	37	10,474	36							
		3	Quite a bit	12	15	977	26	56	24	8,561	29							
		4	Very much	16	20	604	16	40	17	4,643	16							
		Total		79	100	3,721	100	229	100	29,202	100							

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
												<i>Your seniors compared with</i>							
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
15. About how many hours do you spend in a typical 7-day week doing the following?																			
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	0	0	14	0	1	0	107	0	15.1	15.2	-.01	14.5	.06	15.2	-.02	
	(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	9	11	471	12	35	15	3,747	13								
		8	6-10 hrs	20	25	881	23	57	25	6,791	23								
		13	11-15 hrs	23	29	761	20	43	19	5,949	20								
		18	16-20 hrs	8	10	670	18	37	16	5,158	18								
		23	21-25 hrs	8	10	400	11	29	13	3,145	11								
		28	26-30 hrs	1	1	265	7	8	3	1,915	7								
		33	More than 30 hrs	11	14	309	8	20	9	2,572	9								
			Total	80	100	3,771	100	230	100	29,384	100								
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	43	54	1,924	51	105	46	11,598	40	4.6	4.3	.05	5.1	-.07	5.2	-.09	
	(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	15	19	892	24	56	24	8,726	30								
		8	6-10 hrs	10	13	410	11	31	13	3,938	13								
		13	11-15 hrs	4	5	205	5	15	7	2,042	7								
		18	16-20 hrs	3	4	144	4	9	4	1,375	5								
		23	21-25 hrs	2	3	89	2	4	2	720	2								
		28	26-30 hrs	2	3	33	1	4	2	337	1								
		33	More than 30 hrs	1	1	54	1	6	3	513	2								
			Total	80	100	3,751	100	230	100	29,249	100								
c. Working for pay on campus	tmworkonhrs	0	0 hrs	59	74	2,867	76	177	76	20,158	69	2.7	3.2	-.06	3.3	-.09	3.8	-.15	
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5	6	148	4	7	3	1,714	6								
		8	6-10 hrs	8	10	223	6	12	5	2,694	9								
		13	11-15 hrs	3	4	176	5	11	5	1,954	7								
		18	16-20 hrs	3	4	221	6	19	8	1,751	6								
		23	21-25 hrs	2	3	59	2	2	1	513	2								
		28	26-30 hrs	0	0	26	1	1	0	216	1								
		33	More than 30 hrs	0	0	39	1	3	1	303	1								
			Total	80	100	3,759	100	232	100	29,303	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

				Frequency Distributions								Statistical Comparisons ^k													
				Tennessee Tech				Carnegie Class				THEC Peer Group				NSSE 2015 & 2016				Your seniors compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016							
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ						
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	41	51	1,450	39	96	42	12,386	42	9.0	12.9 ** ▼	-0.30	11.8	-0.23	10.7	-0.14							
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	4	227	6	9	4	2,213	8														
	8	6-10 hrs	8	10	268	7	20	9	2,435	8															
	13	11-15 hrs	4	5	260	7	13	6	2,302	8															
	18	16-20 hrs	9	11	328	9	31	13	2,751	9															
	23	21-25 hrs	3	4	259	7	18	8	2,037	7															
	28	26-30 hrs	7	9	219	6	13	6	1,584	5															
	33	More than 30 hrs	5	6	737	20	31	13	3,496	12															
Total				80	100	3,748	100	231	100	29,204	100														
Estimated number of hours working for pay	tmworkhrs											11.7		16.0 *** ▼		15.1 * ▼		14.4 * ▼							
(Continuous variable created by NSSE)																									
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	35	44	1,575	42	97	42	12,884	44	3.9	4.1	-0.03	5.0	-0.15	3.5	0.06							
	(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	28	35	1,354	36	73	31	11,103	38														
	8	6-10 hrs	7	9	413	11	28	12	2,603	9															
	13	11-15 hrs	3	4	177	5	13	6	1,089	4															
	18	16-20 hrs	4	5	88	2	7	3	601	2															
	23	21-25 hrs	1	1	44	1	2	1	286	1															
	28	26-30 hrs	0	0	31	1	6	3	159	1															
	33	More than 30 hrs	1	1	62	2	6	3	401	1															
Total				79	100	3,744	100	232	100	29,126	100														
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	130	3	4	2	744	3	9.4	9.5	.00	9.2	.03	10.1	-0.09							
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	36	45	1,219	32	83	36	8,732	30														
	8	6-10 hrs	20	25	1,108	30	56	24	8,678	30															
	13	11-15 hrs	12	15	635	17	47	21	5,142	18															
	18	16-20 hrs	1	1	352	9	27	12	3,053	10															
	23	21-25 hrs	5	6	148	4	6	3	1,335	5															
	28	26-30 hrs	0	0	59	2	3	1	649	2															
	33	More than 30 hrs	6	8	102	3	3	1	920	3															
Total				80	100	3,753	100	229	100	29,253	100														

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Seniors^a in Education

				Frequency Distributions								Statistical Comparisons ^k								
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your seniors compared with						
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ		
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	48	61	1,997	53	144	62	19,151	66	5.9	8.8 *	-0.22	6.2	-0.02	5.7	0.02		
	(Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	13	16	456	12	31	13	3,257	11									
	8	6-10 hrs	1	1	221	6	6	3	1,397	5										
	13	11-15 hrs	5	6	139	4	12	5	865	3										
	18	16-20 hrs	2	3	126	3	7	3	682	2										
	23	21-25 hrs	0	0	64	2	4	2	421	1										
	28	26-30 hrs	2	3	56	1	2	1	296	1										
	33	More than 30 hrs	8	10	690	18	26	11	3,162	11										
	Total		79	100	3,749	100	232	100	29,231	100										
	h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	7	9	1,058	28	29	13	5,677								19	5.1
(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)		3	1-5 hrs	51	64	1,715	46	128	56	15,736	54									
8		6-10 hrs	15	19	619	16	40	17	4,938	17										
13		11-15 hrs	3	4	203	5	18	8	1,641	6										
18		16-20 hrs	2	3	75	2	5	2	581	2										
23		21-25 hrs	1	1	29	1	2	1	250	1										
28		26-30 hrs	0	0	24	1	1	0	137	0										
33		More than 30 hrs	1	1	44	1	7	3	379	1										
Total		80	100	3,767	100	230	100	29,339	100											
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																				
	reading	1	Very little	19	24	542	14	53	23	4,424	15	2.5	2.8 *	-0.22	2.5	-0.01	2.7	-0.21		
	(Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)	2	Some	21	26	1,136	30	70	30	8,892	30									
	3	About half	23	29	1,093	29	63	27	8,136	28										
	4	Most	15	19	700	19	28	12	5,725	20										
	5	Almost all	2	3	302	8	17	7	2,168	7										
	Total		80	100	3,773	100	231	100	29,345	100										
		tmreadinghrs																		
		(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)																		
			6.2																	
			7.1 -0.14 6.2 0.00 6.9 -0.12																	

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ		
	tmreadinghrscol	1	0 hrs	0	0	13	0	1	0	103	0								
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	46	58	1,836	49	134	59	14,485	50								
		3	More than 5, up to 10 hrs	20	25	1,083	29	53	23	8,472	29								
		4	More than 10, up to 15 hrs	6	8	370	10	14	6	2,911	10								
		5	More than 15, up to 20 hrs	4	5	200	5	13	6	1,647	6								
		6	More than 20, up to 25 hrs	4	5	181	5	9	4	1,138	4								
		7	More than 25 hrs	0	0	73	2	5	2	463	2								
			Total	80	100	3,756	100	229	100	29,219	100								

17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

a. Writing clearly and effectively	pgwrite	1	Very little	8	10	222	6	11	5	1,748	6	2.8	3.0 *	-0.23	2.9	-0.11	3.0	-0.18
		2	Some	20	25	819	22	65	28	6,942	24							
		3	Quite a bit	30	38	1,406	37	87	38	11,298	38							
		4	Very much	21	27	1,320	35	66	29	9,442	32							
			Total	79	100	3,767	100	229	100	29,430	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	9	11	286	8	16	7	1,907	6	2.9	2.9	-0.01	2.9	.03	3.0	-0.03
		2	Some	14	18	881	23	63	27	6,718	23							
		3	Quite a bit	30	38	1,336	36	79	34	11,142	38							
		4	Very much	27	34	1,260	33	73	32	9,600	33							
			Total	80	100	3,763	100	231	100	29,367	100							
c. Thinking critically and analytically	pgthink	1	Very little	6	8	103	3	11	5	715	2	3.0	3.3 **	-0.33	3.2	-0.19	3.3 **	-0.30
		2	Some	16	20	491	13	35	15	4,088	14							
		3	Quite a bit	29	36	1,443	38	85	37	11,677	40							
		4	Very much	29	36	1,719	46	99	43	12,872	44							
			Total	80	100	3,756	100	230	100	29,352	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	20	25	737	20	41	18	5,968	20	2.3	2.5 *	-0.24	2.5	-0.23	2.4	-0.18
		2	Some	29	37	1,199	32	83	36	10,088	34							
		3	Quite a bit	20	25	1,041	28	61	26	7,823	27							
		4	Very much	10	13	779	21	46	20	5,466	19							
			Total	79	100	3,756	100	231	100	29,345	100							

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

Item wording or description				Frequency Distributions								Statistical Comparisons ^k						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Your seniors compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	2	3	225	6	21	9	1,717	6	3.2	3.1	.07	3.0	.17	3.1	.09
		2	Some	16	20	684	18	46	20	5,440	19							
		3	Quite a bit	25	32	1,196	32	65	28	9,940	34							
		4	Very much	36	46	1,660	44	98	43	12,294	42							
		Total	79	100	3,765	100	230	100	29,391	100								
f. Working effectively with others	pgothers	1	Very little	4	5	157	4	14	6	1,096	4	3.2	3.2	.00	3.1	.01	3.2	.00
		2	Some	13	16	686	18	43	19	5,308	18							
		3	Quite a bit	30	38	1,346	36	71	31	10,910	37							
		4	Very much	33	41	1,567	42	103	45	12,018	41							
		Total	80	100	3,756	100	231	100	29,332	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	11	14	315	8	27	12	2,658	9	2.8	3.0	-.19	2.8	-.02	2.9	-.13
		2	Some	20	25	831	22	57	25	6,878	23							
		3	Quite a bit	22	28	1,235	33	80	34	9,919	34							
		4	Very much	26	33	1,386	37	68	29	9,928	34							
		Total	79	100	3,767	100	232	100	29,383	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	13	16	314	8	30	13	2,570	9	2.6	2.9 **	-0.36	2.8	-.18	2.9 **	-0.30
		2	Some	26	33	957	25	65	28	7,837	27							
		3	Quite a bit	23	29	1,222	32	66	29	9,971	34							
		4	Very much	18	23	1,271	34	70	30	9,003	31							
		Total	80	100	3,764	100	231	100	29,381	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	9	11	407	11	35	15	2,918	10	2.7	2.8	-.12	2.7	-.05	2.8	-.09
		2	Some	25	32	1,004	27	59	26	8,359	28							
		3	Quite a bit	26	33	1,229	33	66	29	10,279	35							
		4	Very much	19	24	1,124	30	71	31	7,808	27							
		Total	79	100	3,764	100	231	100	29,364	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	12	15	497	13	38	16	3,805	13	2.5	2.7	-.20	2.6	-.09	2.7	-.15
		2	Some	29	37	1,079	29	73	31	9,045	31							
		3	Quite a bit	23	29	1,163	31	62	27	9,424	32							
		4	Very much	15	19	1,011	27	59	25	6,997	24							
		Total	79	100	3,750	100	232	100	29,271	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education Tennessee Technological University

Seniors^a in Education

				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech				Carnegie Class				THEC Peer Group				NSSE 2015 & 2016			
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
Item wording or description	Variable name ^l	Values ^m	Response options	Count		Count		Count		Count		Mean	Mean	Effect size ⁿ		Mean	Mean	Effect size ⁿ	
				%	%	%	%	%	%	Effect size ⁿ	Effect size ⁿ			Effect size ⁿ	Effect size ⁿ				
18. How would you evaluate your entire educational experience at this institution?																			
	evalexp	1	Poor	2	3	72	2	4	2	592	2	3.4	3.3	.06	3.2	.19	3.3	.07	
		2	Fair	9	11	407	11	36	16	3,052	10								
		3	Good	28	35	1,595	42	100	43	12,799	43								
		4	Excellent	41	51	1,707	45	91	39	13,028	44								
			Total	80	100	3,781	100	231	100	29,471	100								
19. If you could start over again, would you go to the same institution you are now attending?																			
	sameinst	1	Definitely no	7	9	159	4	7	3	1,258	4	3.3	3.3	.00	3.2	.03	3.3	.00	
		2	Probably no	8	10	466	12	38	16	3,612	12								
		3	Probably yes	23	29	1,421	38	84	36	11,123	38								
		4	Definitely yes	42	53	1,741	46	103	44	13,516	46								
			Total	80	100	3,787	100	232	100	29,509	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Education

Tennessee Technological University

Education

			First-Year Students ^a								Seniors ^a								
			Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
20a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One	29	97	2,391	85	154	91	19,597	84	74	93	3,205	84	217	94	25,236	85	
		More than one	1	3	420	15	16	9	3,622	16	6	8	594	16	15	6	4,357	15	
		Total	30	100	2,811	100	170	100	23,219	100	80	100	3,799	100	232	100	29,593	100	
First major or expected first major, in NSSE's default related-major categories. (Does not reflect any customization made for the Major Field Report)	MAJfirstcol <i>(Recoded from MAJfirst.)</i>	Arts & Humanities	6	20	560	20	28	16	5,002	22	4	5	709	19	51	22	6,231	21	
		Biological Sci., Agriculture, & Natural Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Physical Sci., Mathematics, & Computer Science	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Social Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Business	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Communications, Media, & Public Relations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Education	17	57	1,578	56	94	55	12,523	54	67	84	2,358	62	118	51	16,913	57	
		Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Health Professions	7	23	523	19	42	25	4,520	19	8	10	582	15	54	23	5,042	17	
		Social Service Professions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		All Other	0	0	150	5	6	4	1,174	5	1	1	150	4	9	4	1,407	5	
		Undecided, Undeclared	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	30	100	2,811	100	170	100	23,219	100	80	100	3,799	100	232	100	29,593	100			
Second major or expected second major, in NSSE's default related-major categories. (Does not reflect any customization made for the Major Field Report)	MAJsecondcol <i>(Recoded from MAJsecond.)</i>	Arts & Humanities	1	100	90	22	5	31	889	25	0	0	100	17	4	27	1,051	24	
		Biological Sci., Agriculture, & Natural Resources	0	0	11	3	0	0	101	3	0	0	9	2	0	0	94	2	
		Physical Sci., Mathematics, & Computer Science	0	0	17	4	0	0	158	4	1	17	16	3	2	13	183	4	
		Social Sciences	0	0	36	9	3	19	450	12	0	0	47	8	1	7	445	10	
		Business	0	0	46	11	2	13	285	8	0	0	26	4	3	20	189	4	
		Communications, Media, & Public Relations	0	0	12	3	0	0	115	3	0	0	11	2	1	7	86	2	
		Education	0	0	151	36	4	25	1,071	30	3	50	290	49	1	7	1,632	38	
		Engineering	0	0	1	0	0	0	18	0	0	0	1	0	0	0	13	0	
		Health Professions	0	0	27	6	2	13	270	7	2	33	40	7	2	13	287	7	
		Social Service Professions	0	0	11	3	0	0	61	2	0	0	5	1	0	0	46	1	
		All Other	0	0	11	3	0	0	137	4	0	0	27	5	1	7	242	6	
		Undecided, Undeclared	0	0	5	1	0	0	49	1	0	0	14	2	0	0	61	1	
Total	1	100	418	100	16	100	3,604	100	6	100	586	100	15	100	4,329	100			

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Education

Tennessee Technological University

Education

			First-Year Students ^a								Seniors ^a								
			Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
21. What is your class level?	class	Freshman/First-year	21	70	2,377	85	142	84	20,510	89	0	0	15	0	1	0	57	0	
		Sophomore	9	30	333	12	23	14	2,165	9	1	1	24	1	0	0	195	1	
		Junior	0	0	45	2	3	2	236	1	7	9	215	6	8	3	1,978	7	
		Senior	0	0	5	0	0	0	41	0	69	87	3,408	90	219	95	26,509	90	
		Unclassified	0	0	29	1	1	1	136	1	2	3	114	3	3	1	698	2	
		Total	30	100	2,789	100	169	100	23,088	100	79	100	3,776	100	231	100	29,437	100	
22. Thinking about this current academic term, are you a full-time student?	fulltime	No	1	3	149	5	6	4	644	3	2	3	637	17	33	14	4,150	14	
		Yes	29	97	2,618	95	162	96	22,321	97	77	97	3,124	83	195	86	25,147	86	
		Total	30	100	2,767	100	168	100	22,965	100	79	100	3,761	100	228	100	29,297	100	
23a. How many courses are you taking for credit this current academic term?	coursenum	0	0	0	0	11	0	1	1	66	0	1	1	171	5	4	2	830	3
		1	0	0	98	4	3	2	188	1	1	1	409	11	21	9	2,314	8	
		2	0	0	51	2	0	0	232	1	25	31	449	12	32	14	3,603	12	
		3	2	7	128	5	14	8	826	4	14	18	404	11	38	16	3,291	11	
		4	3	10	639	23	28	17	4,125	18	16	20	843	22	40	17	6,222	21	
		5	14	47	875	31	65	38	8,779	38	8	10	629	17	36	16	5,987	20	
		6	6	20	516	18	31	18	4,830	21	3	4	406	11	30	13	3,285	11	
		7 or more	5	17	474	17	27	16	4,047	18	12	15	464	12	30	13	3,892	13	
Total	30	100	2,792	100	169	100	23,093	100	80	100	3,775	100	231	100	29,424	100			
b. Of these, how many are entirely online?	onlinenum	0	23	77	1,913	69	107	63	18,859	82	64	80	2,220	59	138	60	21,753	74	
		1	6	20	445	16	39	23	2,797	12	11	14	755	20	56	24	4,540	16	
		2	1	3	148	5	13	8	729	3	2	3	298	8	20	9	1,457	5	
		3	0	0	86	3	6	4	243	1	0	0	164	4	8	3	635	2	
		4	0	0	87	3	1	1	157	1	3	4	180	5	7	3	455	2	
		5	0	0	15	1	2	1	41	0	0	0	32	1	1	0	109	0	
		6	0	0	18	1	1	1	51	0	0	0	40	1	1	0	104	0	
		7 or more	0	0	61	2	0	0	86	0	0	0	69	2	0	0	208	1	
Total	30	100	2,773	100	169	100	22,963	100	80	100	3,758	100	231	100	29,261	100			
Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum)	onlinecrscol	No courses taken online	23	77	1,913	69	107	63	18,859	82	64	80	2,220	59	138	60	21,752	74	
		Some courses taken online	7	23	497	18	56	33	3,498	15	13	16	808	22	78	34	5,588	19	
		All courses taken online	0	0	363	13	6	4	606	3	3	4	730	19	15	6	1,919	7	
		Total	30	100	2,773	100	169	100	22,963	100	80	100	3,758	100	231	100	29,259	100	

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Education

Tennessee Technological University

Education

			First-Year Students ^a								Seniors ^a							
			Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
24. What have most of your grades been up to now at this institution?	grades	C- or lower	1	3	46	2	8	5	320	1	1	1	7	0	0	0	48	0
		C	1	3	54	2	3	2	516	2	0	0	36	1	1	0	233	1
		C+	1	3	91	3	10	6	831	4	0	0	95	3	8	3	568	2
		B-	4	13	154	6	8	5	1,305	6	0	0	140	4	13	6	1,151	4
		B	5	17	442	16	28	17	3,891	17	6	8	508	13	35	15	4,015	14
		B+	4	13	491	18	33	20	4,325	19	7	9	584	15	31	13	5,016	17
		A-	6	20	605	22	28	17	5,146	22	17	21	845	22	41	18	6,921	24
		A	8	27	900	32	49	29	6,726	29	49	61	1,559	41	102	44	11,446	39
		Total	30	100	2,783	100	167	100	23,060	100	80	100	3,774	100	231	100	29,398	100
25. Did you begin college at this institution or elsewhere?	begincol	Started here	25	83	2,445	88	146	88	21,183	92	45	56	1,881	50	123	54	17,031	58
		Started elsewhere	5	17	333	12	20	12	1,852	8	35	44	1,894	50	106	46	12,344	42
		Total	30	100	2,778	100	166	100	23,035	100	80	100	3,775	100	229	100	29,375	100
26. Since graduating from high school, which of the following types of schools have you attended <i>other than</i> the one you are now attending? (Select all that apply.)	attend_voc	Vocational or technical school	0	0	137	5	3	2	585	3	3	4	311	8	18	8	1,607	5
	attend_com	Community or junior college	2	7	271	10	14	8	1,674	7	42	53	1,754	46	88	38	11,116	38
	attend_col	4-year college or university other than this one	5	17	281	10	18	11	1,763	8	18	23	967	26	71	31	6,916	24
	attend_none	None	23	77	2,121	76	130	78	18,869	82	33	41	1,348	36	96	42	13,096	45
	attend_other	Other	0	0	71	3	6	4	584	3	1	1	142	4	9	4	839	3
27. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree	2	7	205	7	15	9	1,176	5	3	4	239	6	14	6	1,347	5
		Bachelor's degree (B.A., B.S., etc.)	8	27	956	34	42	25	7,710	34	17	22	1,127	30	67	29	8,097	28
		Master's degree (M.A., M.S., etc.)	15	50	1,211	44	75	45	10,438	45	41	52	1,783	47	106	46	14,678	50
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	5	17	407	15	35	21	3,645	16	18	23	621	16	44	19	5,206	18
		Total	30	100	2,779	100	167	100	22,969	100	79	100	3,770	100	231	100	29,328	100

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Education

Tennessee Technological University

Education

			First-Year Students ^a								Seniors ^a							
			Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
28. What is the highest level of education completed by either of your parents (or those who raised you)?	parented	Did not finish high school	2	7	172	6	3	2	842	4	3	4	302	8	10	4	1,279	4
		High school diploma or G.E.D.	4	13	555	20	38	23	3,772	16	21	26	817	22	55	24	5,349	18
		Attended college, but did not complete degree	4	13	395	14	33	20	2,744	12	11	14	492	13	32	14	3,426	12
		Associate's degree (A.A., A.S., etc.)	6	20	278	10	14	8	2,442	11	6	8	410	11	20	9	3,191	11
		Bachelor's degree (B.A., B.S., etc.)	9	30	767	28	51	31	7,016	31	19	24	947	25	67	29	8,630	29
		Master's degree (M.A., M.S., etc.)	5	17	496	18	23	14	4,822	21	17	21	625	17	37	16	5,768	20
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	0	0	112	4	5	3	1,351	6	3	4	176	5	9	4	1,709	6
		Total	30	100	2,775	100	167	100	22,989	100	80	100	3,769	100	230	100	29,352	100
First-generation status (No parent holds a bachelor's degree)	firstgen (Recoded from parented)	Not first-generation	14	47	1,375	50	79	47	13,189	57	39	49	1,748	46	113	49	16,107	55
		First-generation	16	53	1,400	50	88	53	9,800	43	41	51	2,021	54	117	51	13,245	45
		Total	30	100	2,775	100	167	100	22,989	100	80	100	3,769	100	230	100	29,352	100
29. What is your gender identity?	genderid	Man	5	17	643	23	47	28	5,479	24	17	22	937	25	66	29	7,366	25
		Woman	24	80	2,097	75	117	70	17,211	75	60	76	2,764	73	163	71	21,431	73
		Another gender identity	1	3	14	1	1	1	131	1	0	0	19	1	1	0	123	0
		I prefer not to respond	0	0	26	1	2	1	202	1	2	3	47	1	1	0	438	1
		Total	30	100	2,780	100	167	100	23,023	100	79	100	3,767	100	231	100	29,358	100
30. Enter your year of birth (e.g., 1994):	agecat (Recoded from the information entered in birthyear)	19 or younger	25	83	2,239	81	142	85	20,581	90	0	0	17	0	0	0	91	0
		20-23	4	13	220	8	18	11	1,479	6	56	70	2,049	55	146	64	20,204	69
		24-29	0	0	120	4	3	2	347	2	10	13	686	18	35	15	4,442	15
		30-39	0	0	97	4	2	1	278	1	11	14	479	13	19	8	2,365	8
		40-55	1	3	85	3	0	0	217	1	2	3	443	12	25	11	1,825	6
		Over 55	0	0	8	0	2	1	37	0	1	1	68	2	3	1	280	1
Total	30	100	2,769	100	167	100	22,939	100	80	100	3,742	100	228	100	29,207	100		
31a. Are you an international student?	internat	No	30	100	2,687	97	160	96	22,131	97	80	100	3,654	98	226	99	28,476	98
		Yes	0	0	70	3	6	4	689	3	0	0	75	2	2	1	631	2
Total	30	100	2,757	100	166	100	22,820	100	80	100	3,729	100	228	100	29,107	100		
International student country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file. U.S. (domestic) students did not receive this question.	countrycol (Recoded from country.)	Africa Sub-Saharan	0	0	1	2	0	0	19	3	0	0	3	4	0	0	27	5
		Asia	0	0	25	38	1	17	322	50	0	0	23	34	2	100	234	40
		Canada	0	0	7	11	1	17	46	7	0	0	7	10	0	0	66	11
		Europe	0	0	13	20	3	50	121	19	0	0	7	10	0	0	83	14
		Latin America and Caribbean	0	0	14	21	1	17	109	17	0	0	22	33	0	0	135	23
		Middle East and North Africa	0	0	5	8	0	0	21	3	0	0	3	4	0	0	22	4
		Oceania	0	0	1	2	0	0	12	2	0	0	2	3	0	0	17	3
		Unknown region/uncoded	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	66	100	6	100	650	100	0	0	67	100	2	100	584	100		

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Education

Tennessee Technological University

Education

			First-Year Students ^a								Seniors ^a							
			Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
32. What is your racial or ethnic identification? (Select all that apply.)	re_amind	American Indian or Alaska Native	0	0	70	3	3	2	530	2	0	0	69	2	2	1	623	2
	re_asian	Asian	0	0	195	7	4	2	1,399	6	2	3	192	5	7	3	1,366	5
	re_black	Black or African American	3	10	342	12	45	27	2,148	9	0	0	344	9	37	16	1,956	7
	re_latino	Hispanic or Latino	0	0	526	19	7	4	2,591	11	0	0	597	16	4	2	2,752	9
	re_pacific	Native Hawaiian or Other Pacific Islander	0	0	43	2	0	0	215	1	1	1	35	1	0	0	251	1
	re_white	White	27	90	1,782	64	110	66	17,321	75	78	98	2,545	68	176	76	22,743	78
	re_other	Other	0	0	56	2	3	2	354	2	0	0	57	2	2	1	507	2
	re_pnr	I prefer not to respond	1	3	80	3	5	3	542	2	1	1	179	5	8	3	1,150	4
	Racial or ethnic identification	re_all	American Indian or Alaska Native	0	0	14	1	1	1	125	1	0	0	15	0	0	0	172
(Recoded from re_amind through re_pnr where each student is represented only once)		Asian	0	0	132	5	2	1	1,005	4	1	1	143	4	6	3	971	3
		Black or African American	2	7	275	10	41	25	1,639	7	0	0	298	8	35	15	1,598	5
		Hispanic or Latino	0	0	400	14	3	2	1,823	8	0	0	496	13	4	2	2,016	7
		Native Hawaiian/Other Pac. Islander	0	0	11	0	0	0	58	0	0	0	14	0	0	0	80	0
		White	26	87	1,577	57	102	61	15,834	69	76	95	2,376	63	172	74	21,274	73
		Other	0	0	30	1	2	1	184	1	0	0	32	1	1	0	312	1
		Multiracial	1	3	259	9	10	6	1,779	8	2	3	209	6	5	2	1,744	6
	I prefer not to respond	1	3	80	3	5	3	542	2	1	1	179	5	8	3	1,150	4	
	Total	30	100	2,778	100	166	100	22,989	100	80	100	3,762	100	231	100	29,317	100	
33. Are you a member of a social fraternity or sorority?	greek	No	27	90	2,590	93	144	87	20,819	91	72	90	3,421	91	202	87	26,020	89
		Yes	3	10	187	7	22	13	2,122	9	8	10	333	9	29	13	3,240	11
		Total	30	100	2,777	100	166	100	22,941	100	80	100	3,754	100	231	100	29,260	100
34. Which of the following best describes where you are living while attending college?	living	Dormitory or other campus housing (not fraternity or sorority house)	8	27	1,520	55	99	60	15,583	68	4	5	483	13	26	11	4,988	17
		Fraternity or sorority house	0	0	12	0	1	1	128	1	0	0	22	1	4	2	321	1
		Residence (house, apartment, etc.) within walking distance to the institution	1	3	172	6	12	7	1,592	7	14	18	581	15	45	19	7,381	25
		Residence (house, apartment, etc.) farther than walking distance to the institution	20	67	858	31	45	27	4,957	22	57	71	2,287	61	146	63	15,273	52
		None of the above	1	3	203	7	9	5	688	3	5	6	387	10	10	4	1,314	4
	Total	30	100	2,765	100	166	100	22,948	100	80	100	3,760	100	231	100	29,277	100	
35. Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	28	93	2,514	91	156	95	19,928	87	77	97	3,525	95	217	95	26,724	92
		Yes	2	7	242	9	9	5	2,941	13	2	3	197	5	12	5	2,418	8
		Total	30	100	2,756	100	165	100	22,869	100	79	100	3,722	100	229	100	29,142	100

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Respondent Profile: Education

Tennessee Technological University

Education

			First-Year Students ^a								Seniors ^a							
			Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
36. Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No	30	100	2,722	99	163	99	22,651	99	76	96	3,610	97	224	97	28,338	97
		Yes	0	0	38	1	2	1	204	1	3	4	130	3	6	3	822	3
		Total	30	100	2,760	100	165	100	22,855	100	79	100	3,740	100	230	100	29,160	100
37a. Have you been diagnosed with any disability or impairment?	disability	No	24	80	2,403	87	140	84	19,674	86	73	91	3,271	87	198	86	25,212	86
		Yes	4	13	293	11	25	15	2,588	11	6	8	384	10	28	12	3,201	11
		I prefer not to respond	2	7	78	3	2	1	709	3	1	1	107	3	5	2	881	3
		Total	30	100	2,774	100	167	100	22,971	100	80	100	3,762	100	231	100	29,294	100
b. [If answered "yes"] Which of the following has been diagnosed? (Select all that apply.)	dis_sense	A sensory impairment (vision or hearing)	1	25	44	15	5	20	377	15	1	17	60	16	8	29	434	14
	dis_mobility	A mobility impairment	1	25	17	6	2	8	114	4	1	17	41	11	1	4	254	8
	dis_learning	A learning disability (e.g., ADHD, dyslexia)	1	25	155	53	10	40	1,291	50	1	17	156	41	7	25	1,496	47
	dis_mental	A mental health disorder	0	0	101	35	7	28	927	36	1	17	119	31	9	32	1,078	34
	dis_other	A disability or impairment not listed above	2	50	47	16	6	24	417	16	2	33	80	21	6	21	631	20
Disability or impairment	disability_all	A sensory impairment	1	3	27	1	2	1	252	1	1	1	44	1	7	3	265	1
	(Recoded from disability and dis_sense through dis_other where each student is represented only once)	A mobility impairment	1	3	10	0	1	1	66	0	1	1	26	1	1	0	146	0
		A learning disability	0	0	110	4	7	4	936	4	1	1	115	3	5	2	1,095	4
		A mental health disorder	0	0	60	2	6	4	594	3	1	1	74	2	6	3	669	2
		A disability or impairment not listed	1	3	25	1	5	3	264	1	2	3	56	1	6	3	414	1
		More than one disability or impairment	1	3	60	2	4	2	466	2	0	0	67	2	3	1	595	2
		No disability or impairment	24	80	2,403	87	140	84	19,674	86	73	91	3,271	87	198	86	25,212	86
		Prefer not to respond	2	7	78	3	2	1	709	3	1	1	107	3	5	2	881	3
	Total	30	100	2,773	100	167	100	22,961	100	80	100	3,760	100	231	100	29,277	100	
38. Which of the following best describes your sexual orientation? (Question administered per institution request)	sexorient14	Heterosexual	--	--	659	84	42	93	7,923	84	--	--	865	84	95	86	9,929	86
		Gay	--	--	13	2	0	0	113	1	--	--	21	2	3	3	202	2
		Lesbian	--	--	5	1	0	0	105	1	--	--	14	1	2	2	137	1
		Bisexual	--	--	28	4	0	0	400	4	--	--	33	3	2	2	360	3
		Another sexual orientation	--	--	10	1	0	0	180	2	--	--	16	2	4	4	145	1
		Questioning or unsure	--	--	15	2	0	0	177	2	--	--	15	1	2	2	116	1
		I prefer not to respond	--	--	53	7	3	7	493	5	--	--	63	6	2	2	661	6
		Total	--	--	783	100	45	100	9,391	100	--	--	1,027	100	110	100	11,550	100

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Education

Tennessee Technological University

Education

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Institution-reported information																		
(Variables provided by your institution in your NSSE population file.)																		
Institution-reported sex	IRsex	Female	24	80	2,152	77	123	72	17,616	76	62	78	2,832	75	165	71	21,973	74
		Male	6	20	659	23	47	28	5,598	24	18	23	967	25	67	29	7,619	26
		Total	30	100	2,811	100	170	100	23,214	100	80	100	3,799	100	232	100	29,592	100
Institution-reported race or ethnicity	IRrace	American Indian or Alaska Native	0	0	9	0	0	0	120	1	0	0	14	0	2	1	183	1
		Asian	0	0	120	5	1	1	683	3	1	1	127	4	6	3	772	3
		Black or African American	2	7	261	10	45	26	1,647	8	0	0	291	8	34	15	1,648	6
		Hispanic or Latino	0	0	475	18	3	2	2,272	11	0	0	523	15	6	3	2,470	9
		Native Hawaiian/Other Pac. Islander	0	0	5	0	0	0	59	0	0	0	7	0	0	0	72	0
		White	27	90	1,491	57	107	63	14,823	69	78	98	2,240	63	176	76	20,133	73
		Other	0	0	0	0	0	0	7	0	0	0	0	0	0	0	1	0
		Foreign or nonresident alien	0	0	48	2	5	3	531	2	0	0	52	1	2	1	475	2
		Two or more races/ethnicities	1	3	126	5	4	2	813	4	1	1	131	4	1	0	751	3
		Unknown	0	0	96	4	5	3	652	3	0	0	189	5	5	2	1,046	4
		Total	30	100	2,631	100	170	100	21,607	100	80	100	3,574	100	232	100	27,551	100
Institution-reported class level	IRclass	Freshman/First-Year	30	100	2,811	100	170	100	23,219	100	0	0	0	0	0	0	0	0
		Sophomore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Junior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Senior	0	0	0	0	0	0	0	0	80	100	3,799	100	232	100	29,593	100
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	30	100	2,811	100	170	100	23,219	100	80	100	3,799	100	232	100	29,593	100
Institution-reported first-time first-year (FTFY) status	IRftfy	No	5	17	516	18	29	17	2,724	12	80	100	3,799	100	232	100	29,321	99
		Yes	25	83	2,295	82	141	83	20,495	88	0	0	0	0	0	0	272	1
		Total	30	100	2,811	100	170	100	23,219	100	80	100	3,799	100	232	100	29,593	100
Institution-reported enrollment status	IRenrollment	Not full-time	1	3	112	4	6	4	701	3	4	5	516	14	36	16	3,704	13
		Full-time	29	97	2,699	96	164	96	22,518	97	76	95	3,283	86	196	84	25,889	87
		Total	30	100	2,811	100	170	100	23,219	100	80	100	3,799	100	232	100	29,593	100

Endnotes

- a. All results are unweighted.
- b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.
- c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean $\pm 1.96 * SEM$.
- d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.
- e. Degrees of freedom used to compute the t -tests. Values differ from N s due to whether equal variances were assumed.
- f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance: $*p < .05$, $**p < .01$, $***p < .001$ (2-tailed).
- g. Cohen's d : The mean difference divided by the pooled standard deviation. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview.
- h. Percentage of students who responded "Done or in progress" except for service-learning which is the percentage who responded that at least "Some" courses included a community-based project.
- i. $*p < .05$, $**p < .01$, $***p < .001$ (z -test comparing participation rates).
- j. Cohen's h : The standardized difference between two proportions. Effect size indicates the practical importance of an observed difference. NSSE research has found that interpretations vary by HIP: For service-learning, internships, study abroad, and culminating senior experiences, an effect size of about .2 may be considered small, .5 medium, and .8 large. For learning community and research with faculty, an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015).
- k. Means calculated from ordered response options (e.g., Very Often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution. Unless otherwise noted, statistical comparisons are two-tailed independent t -tests. Exceptions are the dichotomous high-impact practice items (11a to 11f) which are compared using a z -test.
- l. Items that make up the Engagement Indicators include the following two-letter prefixes: CL = Collaborative Learning, DD = Discussions with Diverse Others, ET = Effective Teaching Practices, HO = Higher-Order Learning, LS = Learning Strategies, QI = Quality of Interactions, QR = Quantitative Reasoning, RI = Reflective and Integrative Learning, SE = Supportive Environment, and SF = Student-Faculty Interaction.
- m. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook. For items estimating number of papers and hours per week, the values represent actual units using the midpoints of response option ranges and an estimate for unbounded options.
- n. Effect size for independent t -tests uses Cohen's d ; z -tests use Cohen's h .
- o. Statistical comparison uses z -test to compare the percentage who responded "Done or in progress."

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.

Reference: Rocconi, L., & Gonyea, R. M. (2015). Contextualizing student engagement effect sizes: An empirical analysis. Paper presented at the Association for Institutional Research Annual Forum, Denver, CO.