
Tennessee Technological University

NSSE 2019 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: Business education; Early childhood education; Education (general); Elementary, middle school education; Health science; Kinesiology; Mathematics education; Music or art education; Occupational therapy; Other education; Parks, recreation, leisure studies, sports mgmt.; Physical education; Physical therapy; Rehabilitation sciences; Secondary education; Social studies education; Special education; Speech therapy.

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 first and second (if applicable) majors were identified from the survey. Your institution had the option to customize how these majors were grouped, using up to ten related-major groups. Institutions choosing not to customize their major categories 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. Report Sample (if applicable) respondents are also excluded.

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

Frequencies will be reported for related-major groups that have at least 5 respondents, but NSSE requires a group to have at least 20 respondents for statistical comparisons (e.g., means and t-tests). Comparison groups must contain at least 20 respondents in the major category, or they remain blank. Although 20 is a minimum requirement for all other statistics (Engagement Indicators, means, etc.), 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, *Major Field Report* results are unweighted.

Report Sections (Those marked with an asterisk are included if at least one related-major group includes 20 or more respondents.)

Engagement Indicators*	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*	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*	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	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 Quality Assurance	Your first-year students compared with NSSE 2018 & 2019	Your seniors compared with Carnegie Class	Your seniors compared with Quality Assurance	Your seniors compared with NSSE 2018 & 2019
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 = 84)	36.3	12.4	1.35	15	25	38	45	60				
Carnegie Class	38.2	12.8	.23	20	30	40	45	60	3,148	-1.9		-.151
Quality Assurance	37.7	13.9	.81	20	25	40	50	60	375	-1.4		-.105
NSSE 2018 & 2019	37.8	12.9	.08	20	30	40	45	60	24,401	-1.6		-.122
Reflective & Integrative Learning												
Tennessee Tech (N = 85)	34.2	11.6	1.26	17	29	34	40	54				
Carnegie Class	35.9	11.4	.20	20	29	34	43	57	3,199	-1.7		-.150
Quality Assurance	34.4	12.1	.70	17	26	34	43	57	384	-.2		-.020
NSSE 2018 & 2019	35.4	11.5	.07	17	29	34	43	57	24,726	-1.2		-.106
Learning Strategies												
Tennessee Tech (N = 85)	40.5	13.8	1.50	20	33	40	53	60				
Carnegie Class	39.2	13.5	.24	20	27	40	47	60	3,179	1.4		.103
Quality Assurance	39.9	14.2	.83	20	27	40	53	60	377	.6		.044
NSSE 2018 & 2019	39.0	13.5	.09	20	27	40	47	60	24,464	1.5		.114
Quantitative Reasoning												
Tennessee Tech (N = 84)	27.7	14.6	1.59	7	20	27	40	53				
Carnegie Class	26.8	14.9	.27	0	20	27	40	60	3,171	.9		.060
Quality Assurance	27.9	15.7	.91	0	20	27	40	60	378	-.2		-.015
NSSE 2018 & 2019	25.8	15.1	.10	0	13	27	40	53	24,370	1.9		.126
Learning with Peers												
Collaborative Learning												
Tennessee Tech (N = 85)	38.5	13.0	1.41	20	30	40	50	60				
Carnegie Class	35.2	13.6	.24	15	25	35	45	60	3,196	3.3	*	.240
Quality Assurance	34.2	14.3	.83	15	25	30	45	60	376	4.3	*	.305
NSSE 2018 & 2019	33.6	14.2	.09	10	25	35	45	60	24,624	4.9	**	.342
Discussions with Diverse Others												
Tennessee Tech (N = 85)	34.9	13.9	1.50	15	25	35	40	60				
Carnegie Class	41.7	14.9	.27	20	30	40	55	60	3,168	-6.8	***	-.455
Quality Assurance	39.3	16.1	.94	15	25	40	55	60	378	-4.4	*	-.280
NSSE 2018 & 2019	39.2	15.4	.10	15	30	40	50	60	24,448	-4.3	*	-.277

NSSE 2019 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 = 83)	25.8	14.0	1.54	10	15	25	35	55				
Carnegie Class	22.9	14.3	.26	5	10	20	30	50	3,170	2.9		.200
Quality Assurance	24.1	15.9	.92	5	10	20	35	60	376	1.7		.107
NSSE 2018 & 2019	23.5	14.6	.09	5	15	20	35	50	24,444	2.2		.154
Effective Teaching Practices												
Tennessee Tech (N = 85)	38.7	12.0	1.30	20	32	40	48	60				
Carnegie Class	38.5	12.5	.22	20	32	40	48	60	3,194	.2		.017
Quality Assurance	38.4	13.5	.78	20	28	40	48	60	382	.3		.022
NSSE 2018 & 2019	39.0	12.9	.08	20	32	40	48	60	24,674	-.3		-.021
Campus Environment												
Quality of Interactions												
Tennessee Tech (N = 84)	44.4	9.6	1.05	28	40	44	51	60				
Carnegie Class	43.4	11.2	.20	24	38	44	52	60	3,099	1.1		.098
Quality Assurance	42.4	12.7	.74	18	34	45	50	60	173	2.1		.173
NSSE 2018 & 2019	43.6	11.7	.08	22	36	44	52	60	84	.9		.076
Supportive Environment												
Tennessee Tech (N = 85)	36.7	11.6	1.25	20	30	38	45	60				
Carnegie Class	38.5	12.9	.23	18	30	40	48	60	3,191	-1.8		-.140
Quality Assurance	37.9	14.0	.81	18	28	40	48	60	161	-1.3		-.095
NSSE 2018 & 2019	37.5	13.2	.08	15	28	38	48	60	24,543	-.8		-.061

NSSE 2019 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 = 132)	42.6	13.8	1.20	20	35	40	55	60				
Carnegie Class	39.7	13.2	.21	20	30	40	50	60	4,133	2.8	*	.215
Quality Assurance	39.7	13.5	.73	20	30	40	50	60	473	2.9	*	.210
NSSE 2018 & 2019	40.3	13.2	.08	20	30	40	50	60	29,169	2.3	*	.175
Reflective & Integrative Learning												
Tennessee Tech (N = 134)	39.1	12.5	1.08	17	31	37	49	60				
Carnegie Class	39.5	11.6	.18	20	31	40	49	60	4,178	-.4		-.032
Quality Assurance	38.7	12.2	.66	20	31	40	46	60	480	.4		.034
NSSE 2018 & 2019	39.3	11.8	.07	20	31	40	49	60	29,476	-.1		-.012
Learning Strategies												
Tennessee Tech (N = 132)	41.9	15.4	1.34	13	33	40	57	60				
Carnegie Class	38.2	14.1	.22	13	27	40	47	60	4,120	3.7	**	.260
Quality Assurance	40.2	13.8	.74	20	33	40	53	60	475	1.7		.120
NSSE 2018 & 2019	39.2	14.2	.08	13	27	40	53	60	29,168	2.7	*	.189
Quantitative Reasoning												
Tennessee Tech (N = 135)	29.3	17.7	1.52	0	20	27	40	60				
Carnegie Class	26.6	15.7	.25	0	20	27	40	60	141	2.8		.176
Quality Assurance	27.5	17.0	.93	0	13	27	40	60	470	1.9		.109
NSSE 2018 & 2019	26.2	15.9	.09	0	13	27	40	60	135	3.2	*	.199
Learning with Peers												
Collaborative Learning												
Tennessee Tech (N = 135)	39.9	13.3	1.14	20	30	40	50	60				
Carnegie Class	36.4	13.6	.22	15	25	35	45	60	4,155	3.5	**	.259
Quality Assurance	37.6	14.0	.75	15	25	40	50	60	478	2.4		.172
NSSE 2018 & 2019	34.7	14.9	.09	10	25	35	45	60	136	5.2	***	.349
Discussions with Diverse Others												
Tennessee Tech (N = 134)	38.3	14.7	1.27	15	25	40	50	60				
Carnegie Class	42.0	14.4	.23	20	35	40	55	60	4,138	-3.7	**	-.253
Quality Assurance	39.1	15.6	.84	15	25	40	55	60	479	-.8		-.050
NSSE 2018 & 2019	39.9	15.4	.09	15	30	40	55	60	29,133	-1.6		-.104

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Education

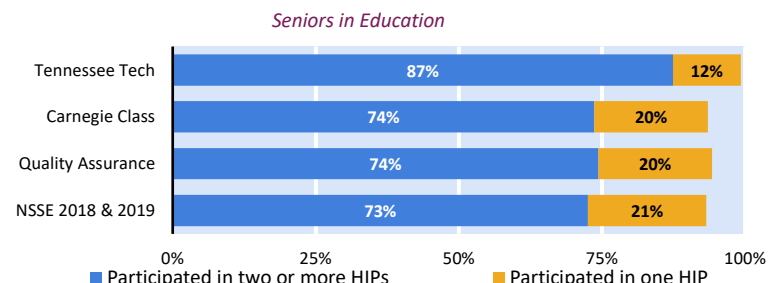
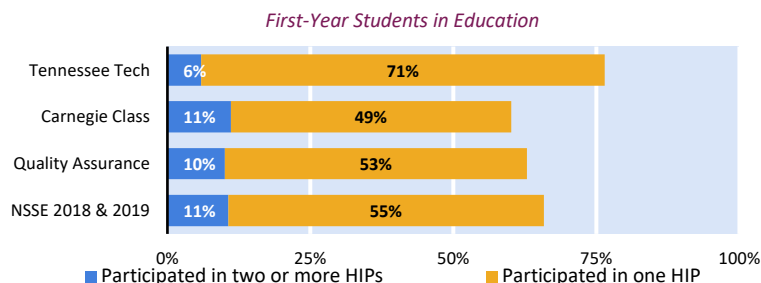
Tennessee Technological University

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 = 135)	30.6	17.1	1.47	5	15	30	40	60				
Carnegie Class	26.6	15.5	.24	5	15	25	35	60	142	4.0	**	.256
Quality Assurance	29.2	15.7	.85	5	20	25	40	60	471	1.3		.082
NSSE 2018 & 2019	27.7	16.0	.09	5	15	25	40	60	29,176	2.9	*	.181
Effective Teaching Practices												
Tennessee Tech (N = 135)	41.9	15.6	1.34	12	32	40	60	60				
Carnegie Class	39.6	13.1	.21	20	32	40	48	60	140	2.2		.169
Quality Assurance	42.1	13.5	.72	20	32	40	52	60	216	-.3		-.019
NSSE 2018 & 2019	40.5	13.4	.08	20	32	40	52	60	135	1.3		.100
Campus Environment												
Quality of Interactions												
Tennessee Tech (N = 127)	46.4	11.4	1.01	24	40	48	56	60				
Carnegie Class	42.5	11.3	.18	22	36	44	50	60	3,981	3.9	***	.341
Quality Assurance	42.8	11.8	.65	22	36	44	50	60	461	3.5	**	.303
NSSE 2018 & 2019	43.8	11.5	.07	22	38	45	52	60	28,094	2.6	*	.223
Supportive Environment												
Tennessee Tech (N = 133)	33.5	15.6	1.35	10	23	33	45	60				
Carnegie Class	34.0	13.2	.21	13	25	35	43	60	138	-.5		-.034
Quality Assurance	35.4	14.2	.76	10	25	35	45	60	474	-1.9		-.130
NSSE 2018 & 2019	33.9	13.8	.08	11	25	35	43	60	133	-.4		-.025

Overall HIP Participation^{a,h}

The figures below display the percentage of students who participated in High-Impact Practices. Both figures include participation in service-learning, a learning community, 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 who participated in at least two HIPs, and the full bar (both colors) represents the percentage who participated in at least one.



Statistical Comparisons

The table below displays the percentage of your students who participated in a given High-Impact Practice, including the percentage who participated overall (at least one, two or more). It also graphs the difference, in percentage points, between your students and those of your comparison groups. Blue bars indicate how much higher your institution's percentage is compared to the comparison group. Dark red bars indicate how much lower your institution's percentage is compared to the comparison group.

	Tennessee Tech	Your students' participation compared with:			
		Carnegie Class	Quality Assurance	NSSE 2018 & 2019	
	%	Difference ⁱ	Difference ⁱ	Difference ⁱ	ES ^j
<i>First-Year Students in Education</i>					
12. Service-Learning	73	+18	+11	+11	.23
11c. Learning Community	11	-4	+3	-2	-.05
11e. Research with Faculty	0	-4	-5	-4	-.39
Participated in at least one	76	+16	+14	+11	.24
Participated in two or more	6	-5	-4	-5	-.17
<i>Seniors in Education</i>					
12. Service-Learning	91	+17	+10	+13	.37
11c. Learning Community	37	+2	+9	+4	.09
11e. Research with Faculty	16	-5	-5	-3	-.08
11a. Internship or Field Exp.	90	+23	+25	+25	.61
11d. Study Abroad	6	-10	+1	-7	-.24
11f. Culminating Senior Exp.	64	+17	+12	+18	.36
Participated in at least one	99	+6	+5	+6	.35
Participated in two or more	87	+14	+13	+15	.38

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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		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	2	2	98	3	10	3	599	2	2.8	2.8	-.03	2.9	-.12	2.9	-.13	
		2	Sometimes	33	40	1,160	37	101	34	8,274	34								
		3	Often	30	36	1,134	36	108	36	9,279	38								
		4	Very often	18	22	729	23	82	27	6,519	26								
		Total		83	100	3,121	100	301	100	24,671	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	16	19	592	19	47	16	3,819	15	2.6	2.4	.12	2.5	.04	2.5	.02	
		2	Sometimes	25	29	1,122	36	110	37	8,682	35								
		3	Often	25	29	874	28	86	29	7,413	30								
		4	Very often	19	22	534	17	58	19	4,726	19								
		Total		85	100	3,122	100	301	100	24,640	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	5	6	170	5	16	5	1,061	4	3.2	3.0 *	.29	3.1	.18	3.1	.13	
		2	Often	7	8	437	14	32	11	2,733	11								
		3	Sometimes	39	46	1,812	58	170	57	13,483	55								
		4	Never	34	40	707	23	81	27	7,394	30								
		Total		85	100	3,126	100	299	100	24,671	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	16	19	1,154	37	112	37	9,095	37	2.3	2.0 *	.26	2.0 *	.27	2.0 **	.29	
		2	Sometimes	41	48	1,130	36	111	37	9,104	37								
		3	Often	16	19	458	15	38	13	3,798	15								
		4	Very often	12	14	383	12	39	13	2,671	11								
		Total		85	100	3,125	100	300	100	24,668	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	3	4	149	5	11	4	1,951	8	3.0	2.8 *	.22	2.8 *	.24	2.7 ***	.33	
		2	Sometimes	17	20	1,030	33	117	39	8,627	35								
		3	Often	44	52	1,271	41	99	33	9,303	38								
		4	Very often	21	25	681	22	71	24	4,809	19								
		Total		85	100	3,131	100	298	100	24,690	100								
f. Explained course material to one or more students	CLexplain	1	Never	2	2	79	3	12	4	1,391	6	2.9	2.8	.09	2.7	.17	2.7	.18	
		2	Sometimes	24	28	1,066	34	120	40	8,527	35								
		3	Often	41	48	1,349	43	100	34	10,085	41								
		4	Very often	18	21	637	20	66	22	4,701	19								
		Total		85	100	3,131	100	298	100	24,704	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		Quality Assurance		NSSE 2018 & 2019		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		
														Effect size ⁿ	Effect size ⁿ		Effect size ⁿ	Effect size ⁿ	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	8	9	307	10	26	9	3,202	13	2.8	2.7	.06	2.7	.07	2.6	.17	
		2	Sometimes	27	32	1,011	32	109	37	8,344	34								
		3	Often	27	32	1,097	35	91	31	8,246	33								
		4	Very often	23	27	715	23	72	24	4,907	20								
		Total		85	100	3,130	100	298	100	24,699	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	2	2	175	6	27	9	1,797	7	3.1	2.7 ***	.41	2.6 ***	.49	2.7 ***	.43	
		2	Sometimes	15	18	1,113	36	117	39	8,545	35								
		3	Often	43	51	1,232	39	91	31	9,614	39								
		4	Very often	25	29	611	20	63	21	4,743	19								
		Total		85	100	3,131	100	298	100	24,699	100								
i. Given a course presentation	present	1	Never	7	8	682	22	68	23	3,848	16	2.8	2.2 ***	.66	2.3 ***	.50	2.4 ***	.45	
		2	Sometimes	24	28	1,387	44	110	37	10,207	41								
		3	Often	32	38	750	24	77	26	7,371	30								
		4	Very often	22	26	312	10	44	15	3,278	13								
		Total		85	100	3,131	100	299	100	24,704	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	3	4	223	7	30	10	1,871	8	2.7	2.6	.13	2.5 *	.24	2.6	.16	
		2	Sometimes	31	36	1,231	39	134	45	9,783	40								
		3	Often	37	44	1,191	38	86	29	9,319	38								
		4	Very often	14	16	484	15	51	17	3,679	15								
		Total		85	100	3,129	100	301	100	24,652	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	10	12	196	6	28	9	1,960	8	2.4	2.6 **	-.29	2.5	-.13	2.6 *	-.22	
		2	Sometimes	42	49	1,206	39	135	45	9,751	40								
		3	Often	21	25	1,228	39	90	30	9,154	37								
		4	Very often	12	14	494	16	48	16	3,787	15								
		Total		85	100	3,124	100	301	100	24,652	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	10	12	274	9	32	11	2,186	9	2.5	2.6	-.10	2.6	-.05	2.6	-.07	
		2	Sometimes	32	38	1,151	37	108	36	9,507	39								
		3	Often	30	35	1,153	37	112	37	8,856	36								
		4	Very often	13	15	547	18	47	16	4,124	17								
		Total		85	100	3,125	100	299	100	24,673	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		Quality Assurance		NSSE 2018 & 2019		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			
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	6	7	113	4	13	4	990	4	2.7	2.8	-.09	2.8	-.08	2.8	-.07
		2	Sometimes	28	33	996	32	105	35	8,121	33							
		3	Often	36	42	1,478	47	119	40	11,264	46							
		4	Very often	15	18	532	17	63	21	4,272	17							
		Total		85	100	3,119	100	300	100	24,647	100							
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	2	2	60	2	6	2	569	2	2.8	2.9	-.14	2.9	-.07	2.9	-.10
		2	Sometimes	25	29	809	26	94	31	6,634	27							
		3	Often	43	51	1,496	48	128	43	11,795	48							
		4	Very often	15	18	746	24	72	24	5,626	23							
		Total		85	100	3,111	100	300	100	24,624	100							
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	8	9	60	2	11	4	553	2	2.8	2.9	-.17	2.8	-.05	2.9	-.14
		2	Sometimes	18	21	890	29	99	33	7,262	30							
		3	Often	45	53	1,492	48	127	42	11,555	47							
		4	Very often	14	16	672	22	63	21	5,237	21							
		Total		85	100	3,114	100	300	100	24,607	100							
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	1	1	26	1	4	1	228	1	3.0	3.1	-.11	3.0	.05	3.0	-.08
		2	Sometimes	17	20	597	19	80	27	5,029	20							
		3	Often	48	57	1,638	53	142	47	12,704	52							
		4	Very often	18	21	846	27	74	25	6,608	27							
		Total		84	100	3,107	100	300	100	24,569	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	7	8	402	13	37	12	3,096	13	2.6	2.5	.10	2.6	.05	2.5	.08
		2	Sometimes	38	45	1,239	40	115	38	9,907	40							
		3	Often	21	25	970	31	93	31	7,407	30							
		4	Very often	18	21	507	16	55	18	4,217	17							
		Total		84	100	3,118	100	300	100	24,627	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	30	36	1,365	44	132	44	10,584	43	2.0	1.9	.09	1.9	.02	1.9	.07
		2	Sometimes	37	44	1,013	32	87	29	8,144	33							
		3	Often	8	10	515	17	48	16	3,994	16							
		4	Very often	9	11	225	7	32	11	1,882	8							
		Total		84	100	3,118	100	299	100	24,604	100							

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Tennessee Technological University

First-Year Students^a in Education

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				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
												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	
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	19	23	940	30	99	33	7,327	30	2.2	2.0	.13	2.1	.10	2.1	.10	
		2	Sometimes	39	46	1,354	43	113	38	10,287	42								
		3	Often	20	24	588	19	58	19	4,980	20								
		4	Very often	6	7	231	7	29	10	1,982	8								
		Total		84	100	3,113	100	299	100	24,576	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	9	11	690	22	62	21	4,985	20	2.5	2.2 **	.35	2.3	.22	2.2 *	.27	
		2	Sometimes	35	42	1,446	46	126	42	11,031	45								
		3	Often	30	36	703	23	75	25	6,037	25								
		4	Very often	10	12	272	9	37	12	2,520	10								
		Total		84	100	3,111	100	300	100	24,573	100								
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	2	2	75	2	8	3	670	3	3.0	3.0	.03	3.0	.05	3.0	.10	
		2	Some	18	21	685	22	74	25	6,117	25								
		3	Quite a bit	40	47	1,470	47	131	44	11,457	47								
		4	Very much	25	29	879	28	88	29	6,363	26								
		Total		85	100	3,109	100	301	100	24,607	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	2	2	91	3	9	3	767	3	2.9	2.9	-.06	2.8	.05	2.9	-.02	
		2	Some	24	29	778	25	103	34	6,618	27								
		3	Quite a bit	40	48	1,499	48	116	39	11,668	47								
		4	Very much	18	21	737	24	72	24	5,516	22								
		Total		84	100	3,105	100	300	100	24,569	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	5	6	102	3	9	3	859	3	2.8	2.9	-.10	2.9	-.05	2.9	-.06	
		2	Some	24	29	851	27	94	31	6,966	28								
		3	Quite a bit	36	43	1,417	46	125	42	11,166	45								
		4	Very much	19	23	736	24	71	24	5,559	23								
		Total		84	100	3,106	100	299	100	24,550	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	3	4	103	3	8	3	730	3	2.8	2.9	-.12	2.9	-.14	2.9	-.13	
		2	Some	24	28	827	27	91	31	6,395	26								
		3	Quite a bit	44	52	1,415	46	112	38	11,702	48								
		4	Very much	14	16	748	24	86	29	5,712	23								
		Total		85	100	3,093	100	297	100	24,539	100								

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Tennessee Technological University

First-Year Students^a in Education

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				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
												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	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	7	8	99	3	7	2	832	3	2.7	2.9 *	-.23	2.9 *	-.25	2.9	-.21	
		2	Some	24	28	840	27	85	29	6,703	27								
		3	Quite a bit	40	47	1,451	47	129	43	11,579	47								
		4	Very much	14	16	716	23	76	26	5,449	22								
		Total		85	100	3,106	100	297	100	24,563	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	1	1	51	2	5	2	427	2	3.0	3.1	-.08	3.0	.06	3.1	-.06	
		2	Some	19	22	575	19	80	27	4,976	20								
		3	Quite a bit	41	48	1,510	49	128	43	11,421	46								
		4	Very much	24	28	969	31	87	29	7,743	32								
		Total		85	100	3,105	100	300	100	24,567	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	2	2	101	3	12	4	823	3	3.0	3.0	.04	3.0	.08	3.0	.03	
		2	Some	18	21	656	21	71	24	5,219	21								
		3	Quite a bit	40	47	1,486	48	129	43	11,350	46								
		4	Very much	25	29	863	28	86	29	7,142	29								
		Total		85	100	3,106	100	298	100	24,534	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	1	1	91	3	6	2	779	3	3.0	3.0	-.02	3.0	-.01	3.0	.01	
		2	Some	19	22	677	22	74	25	5,563	23								
		3	Quite a bit	42	49	1,349	43	123	41	10,671	43								
		4	Very much	23	27	989	32	96	32	7,531	31								
		Total		85	100	3,106	100	299	100	24,544	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	4	5	187	6	17	6	1,459	6	2.9	2.8	.12	2.9	.04	2.9	.04	
		2	Some	25	30	936	30	81	27	6,682	27								
		3	Quite a bit	28	33	1,223	39	118	40	9,534	39								
		4	Very much	27	32	761	24	82	28	6,877	28								
		Total		84	100	3,107	100	298	100	24,552	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	4	5	266	9	23	8	1,846	8	2.7	2.7	.00	2.7	-.07	2.8	-.10	
		2	Some	37	44	1,094	35	104	35	7,730	31								
		3	Quite a bit	27	32	1,149	37	103	34	9,491	39								
		4	Very much	17	20	595	19	69	23	5,477	22								
		Total		85	100	3,104	100	299	100	24,544	100								

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Frequencies and Statistical Comparisons: Education Tennessee Technological University

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				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
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	6	373	12	29	10	3,213	13	2.6	2.5	.14	2.6	.03	2.5	.18	
		2	Sometimes	37	44	1,211	39	117	39	9,923	40								
		3	Often	29	34	1,138	37	104	35	8,439	34								
		4	Very often	14	16	388	12	50	17	2,961	12								
			Total	85	100	3,110	100	300	100	24,536	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	18	21	631	20	55	18	5,485	22	2.3	2.3	.02	2.3	-.04	2.2	.07	
		2	Sometimes	34	40	1,320	43	130	44	10,404	42								
		3	Often	23	27	867	28	78	26	6,480	26								
		4	Very often	9	11	284	9	35	12	2,114	9								
			Total	84	100	3,102	100	298	100	24,483	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	13	15	574	19	56	19	5,264	22	2.3	2.3	.02	2.3	-.02	2.2	.09	
		2	Sometimes	42	50	1,362	44	129	43	10,744	44								
		3	Often	21	25	924	30	80	27	6,556	27								
		4	Very often	8	10	241	8	33	11	1,890	8								
			Total	84	100	3,101	100	298	100	24,454	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)																			
a. Up to 5 pages	wrshortnum	0	None	13	15	168	5	22	7	1,256	5	4.9	6.3 **	-.26	5.8	-.18	6.8 ***	-.32	
		1.5	1-2	17	20	645	21	56	19	4,764	19								
	(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	4	3-5	27	32	1,040	33	115	38	7,972	32								
		8	6-10	20	24	694	22	68	23	5,571	23								
		13	11-15	3	4	321	10	21	7	2,632	11								
		18	16-20	2	2	123	4	5	2	1,141	5								
		23	More than 20	2	2	114	4	13	4	1,194	5								
			Total	84	100	3,105	100	300	100	24,530	100								
b. Between 6 and 10 pages	wrmednum	0	None	46	55	1,105	36	138	46	8,486	35	1.5	2.1 *	-.23	1.9	-.15	2.2 *	-.24	
		1.5	1-2	26	31	1,164	38	83	28	9,308	38								
	(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	4	3-5	8	10	579	19	55	18	4,486	18								
		8	6-10	2	2	165	5	15	5	1,578	6								
		13	11-15	1	1	63	2	5	2	410	2								
		18	16-20	0	0	13	0	0	0	118	0								
		23	More than 20	1	1	9	0	2	1	103	0								
			Total	84	100	3,098	100	298	100	24,489	100								

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				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
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	72	86	2,463	79	238	80	19,093	78	.7	.7	.03	.7	.00	.8	-.02	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	8	10	463	15	34	11	3,842	16								
	4	3-5	1	1	87	3	17	6	775	3									
	8	6-10	1	1	50	2	6	2	393	2									
	13	11-15	1	1	27	1	2	1	264	1									
	18	16-20	0	0	4	0	0	0	60	0									
	23	More than 20	1	1	7	0	1	0	89	0									
	Total			84	100	3,101	100	298	100	24,516	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.)									37.4	45.7	-.14	43.9	-.10	49.1	-.18	
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	6	7	107	3	23	8	1,241	5	2.7	3.1 ***	-.50	3.0 *	-.26	3.0 **	-.32	
		2	Sometimes	30	35	648	21	67	23	6,170	25								
		3	Often	31	36	1,035	33	107	36	8,243	34								
		4	Very often	18	21	1,320	42	100	34	8,889	36								
			Total	85	100	3,110	100	297	100	24,543	100								
b. People from an economic background other than your own	DDeconomic	1	Never	4	5	108	3	15	5	1,125	5	2.8	3.1 ***	-.43	3.0 *	-.31	3.0 **	-.29	
		2	Sometimes	30	35	614	20	70	23	5,855	24								
		3	Often	34	40	1,183	38	104	35	9,224	38								
		4	Very often	17	20	1,196	39	109	37	8,309	34								
			Total	85	100	3,101	100	298	100	24,513	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	5	6	132	4	17	6	1,736	7	2.6	3.1 ***	-.46	2.9 *	-.29	2.9 *	-.26	
		2	Sometimes	35	41	739	24	91	31	6,912	28								
		3	Often	30	35	1,062	34	91	31	8,143	33								
		4	Very often	15	18	1,172	38	99	33	7,749	32								
			Total	85	100	3,105	100	298	100	24,540	100								
d. People with political views other than your own	DDpolitical	1	Never	2	2	158	5	18	6	1,535	6	2.9	3.0	-.17	3.0	-.11	2.9	-.06	
		2	Sometimes	27	32	776	25	77	26	6,677	27								
		3	Often	37	44	1,062	34	101	34	8,608	35								
		4	Very often	19	22	1,115	36	101	34	7,721	31								
			Total	85	100	3,111	100	297	100	24,541	100								

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				Tennessee Tech				Carnegie Class				Quality Assurance				NSSE 2018 & 2019				Tennessee Tech				Carnegie Class				Quality Assurance				NSSE 2018 & 2019			
				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	Mean	Effect size ⁿ															
9. During the current school year, about how often have you done the following?																																			
a. Identified key information from reading assignments	LSreading	1	Never	1	1	31	1	3	1	343	1	3.0	3.1	-.07	3.0	.00	3.0	-.04																	
		2	Sometimes	22	26	671	22	78	26	5,494	22																								
		3	Often	38	45	1,505	48	135	45	11,818	48																								
		4	Very often	24	28	902	29	83	28	6,868	28																								
		Total		85	100	3,109	100	299	100	24,523	100																								
b. Reviewed your notes after class	LSnotes	1	Never	2	2	116	4	9	3	930	4	3.1	3.0	.20	3.0	.13	3.0	.19																	
		2	Sometimes	23	27	885	28	80	27	6,730	27																								
		3	Often	22	26	1,136	37	106	36	9,158	37																								
		4	Very often	38	45	972	31	102	34	7,700	31																								
		Total		85	100	3,109	100	297	100	24,518	100																								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	4	5	157	5	16	5	1,233	5	3.0	2.9	.10	2.9	.00	2.9	.11																	
		2	Sometimes	23	27	924	30	73	25	7,334	30																								
		3	Often	31	36	1,206	39	117	40	9,676	39																								
		4	Very often	27	32	818	26	90	30	6,275	26																								
		Total		85	100	3,105	100	296	100	24,518	100																								
10. During the current school year, to what extent have your courses challenged you to do your best work?																																			
challenge		1	Not at all	2	2	14	0	1	0	159	1	5.4	5.5	-.09	5.5	-.07	5.5	-.09																	
		2		0	0	25	1	1	0	215	1																								
		3		5	6	111	4	16	5	907	4																								
		4		10	12	305	10	40	13	2,633	11																								
		5		27	32	1,088	35	93	31	8,227	34																								
		6		20	24	886	29	69	23	6,532	27																								
		7	Very much	21	25	665	21	78	26	5,814	24																								
		Total		85	100	3,094	100	298	100	24,487	100																								
11. Which of the following have you done or do you plan to do before you graduate?^o																																			
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	6	7	240	8	30	10	1,846	8	8%	10%	-.06	10%	-.07	12%	-.11																	
			Do not plan to do	2	2	102	3	10	3	750	3																								
			Plan to do	70	82	2,457	79	227	76	19,103	78																								
			Done or in progress	7	8	308	10	31	10	2,833	12																								
			Total	85	100	3,107	100	298	100	24,532	100																								

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Item wording or description	Variable name ^l	Values ^m	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	26	31	737	24	84	28	6,902	28	13%	12%	.05	7%	.20	10%	.08
			Do not plan to do	20	24	560	18	75	25	5,393	22							
			Plan to do	27	32	1,446	47	118	40	9,653	39							
			Done or in progress	11	13	358	12	21	7	2,556	10							
			Total	84	100	3,101	100	298	100	24,504	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	31	36	882	28	90	30	8,237	34	11%	14%	-.11	8%	.09	12%	-.05
			Do not plan to do	22	26	902	29	81	27	5,954	24							
			Plan to do	23	27	881	28	103	35	7,289	30							
			Done or in progress	9	11	440	14	24	8	3,001	12							
			Total	85	100	3,105	100	298	100	24,481	100							
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	25	29	851	27	102	34	7,247	30	0%	2%	-.27	1%	-.23	2%	-.29
			Do not plan to do	34	40	846	27	105	35	7,842	32							
			Plan to do	26	31	1,348	43	86	29	8,901	36							
			Done or in progress	0	0	56	2	4	1	513	2							
			Total	85	100	3,101	100	297	100	24,503	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	34	40	1,126	36	114	38	9,800	40	0%	4%	-.39	5% *	-.44	4%	-.39
			Do not plan to do	27	32	928	30	86	29	7,228	29							
			Plan to do	23	27	934	30	84	28	6,571	27							
			Done or in progress	0	0	118	4	14	5	915	4							
			Total	84	100	3,106	100	298	100	24,514	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	31	37	1,076	35	107	36	8,512	35	2%	2%	.06	3%	-.02	2%	.04
			Do not plan to do	10	12	418	13	31	10	2,670	11							
			Plan to do	41	49	1,561	50	152	51	12,858	53							
			Done or in progress	2	2	49	2	8	3	444	2							
			Total	84	100	3,104	100	298	100	24,484	100							

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

servcourse	1	None	23	27	1,417	46	113	38	9,374	38	1.9	1.6 **	.36	1.7	.20	1.7	.20
	2	Some	50	60	1,423	46	151	51	12,380	51							
	3	Most	9	11	234	8	29	10	2,326	9							
	4	All	2	2	32	1	4	1	411	2							
	Total		84	100	3,106	100	297	100	24,491	100							

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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		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	29	1	3	1	302	1	5.7	5.6	.10	5.4 *	.26	5.5	.16	
		2		0	0	39	1	6	2	401	2								
		3		6	7	115	4	16	5	1,084	4								
		4		4	5	308	10	46	15	2,763	11								
		5		21	25	835	27	78	26	6,454	26								
		6		24	28	912	29	74	25	6,364	26								
		7	Excellent	29	34	859	28	73	24	6,748	28								
		—	Not applicable	0	0	12	0	2	1	406	2								
			Total	85	100	3,109	100	298	100	24,522	100								
b. Academic advisors	QIadvisor	1	Poor	1	1	73	2	8	3	625	3	5.8	5.4 *	.22	5.4 *	.26	5.4 *	.22	
		2		1	1	107	3	8	3	870	4								
		3		2	2	214	7	23	8	1,597	7								
		4		8	9	380	12	36	12	3,034	12								
		5		18	21	599	19	60	20	4,814	20								
		6		26	31	685	22	73	25	5,152	21								
		7	Excellent	29	34	1,018	33	87	29	8,098	33								
		—	Not applicable	0	0	29	1	2	1	316	1								
			Total	85	100	3,105	100	297	100	24,506	100								
c. Faculty	QIfaculty	1	Poor	0	0	41	1	6	2	301	1	5.3	5.3	-.05	5.2	.02	5.4	-.13	
		2		2	2	72	2	12	4	548	2								
		3		6	7	139	4	24	8	1,212	5								
		4		13	15	425	14	41	14	3,114	13								
		5		24	28	925	30	64	21	6,346	26								
		6		27	32	852	27	83	28	6,698	27								
		7	Excellent	13	15	622	20	66	22	6,097	25								
		—	Not applicable	0	0	28	1	2	1	198	1								
			Total	85	100	3,104	100	298	100	24,514	100								

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
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	1	1	77	2	8	3	692	3	5.3	5.2	.06	5.2	.07	5.2	.05	
		2		1	1	97	3	17	6	825	3								
		3		6	7	204	7	23	8	1,589	6								
		4		10	12	426	14	37	12	3,164	13								
		5		22	26	734	24	54	18	5,362	22								
		6		19	22	702	23	66	22	5,247	21								
		7	Excellent	16	19	670	22	76	26	5,614	23								
		—	Not applicable	10	12	196	6	17	6	2,025	8								
	Total			85	100	3,106	100	298	100	24,518	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	3	4	86	3	11	4	677	3	5.1	5.1	.03	5.0	.05	5.2	-.04	
		2		2	2	127	4	24	8	1,002	4								
		3		6	7	199	6	19	6	1,722	7								
		4		9	11	492	16	28	9	3,397	14								
		5		30	35	727	23	79	26	5,421	22								
		6		17	20	626	20	64	21	5,203	21								
		7	Excellent	16	19	600	19	65	22	5,754	23								
		—	Not applicable	2	2	250	8	9	3	1,349	6								
	Total			85	100	3,107	100	299	100	24,525	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	44	1	6	2	336	1	3.1	3.1	-.06	3.1	-.05	3.1	-.06	
		2	Some	20	24	537	17	60	20	4,437	18								
		3	Quite a bit	40	47	1,578	51	132	44	12,123	49								
		4	Very much	25	29	950	31	101	34	7,614	31								
			Total			85	100	3,109	100	299	100								24,510
b. Providing support to help students succeed academically	SEacademic	1	Very little	1	1	77	2	18	6	640	3	3.1	3.1	-.01	3.0	.11	3.1	-.02	
		2	Some	20	24	572	18	65	22	4,524	19								
		3	Quite a bit	33	39	1,366	44	109	37	10,487	43								
		4	Very much	31	36	1,085	35	104	35	8,795	36								
			Total			85	100	3,100	100	296	100								24,446
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	4	5	130	4	15	5	1,086	4	3.0	3.1	-.20	3.1	-.18	3.2 *	-.22	
		2	Some	19	23	507	16	54	18	4,010	16								
		3	Quite a bit	36	43	1,245	40	105	35	9,287	38								
		4	Very much	25	30	1,223	39	125	42	10,111	41								
			Total			84	100	3,105	100	299	100								24,494

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	5	6	255	8	32	11	2,318	9	2.8	2.9	-.04	2.7	.11	2.8	.05
		2	Some	26	31	747	24	88	30	6,731	28							
		3	Quite a bit	31	36	1,195	39	102	34	8,850	36							
		4	Very much	23	27	906	29	75	25	6,568	27							
		Total		85	100	3,103	100	297	100	24,467	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	2	2	118	4	13	4	1,188	5	3.0	3.1	-.13	3.0	-.04	3.0	-.04
		2	Some	20	24	555	18	58	19	4,985	20							
		3	Quite a bit	39	46	1,312	42	133	45	10,012	41							
		4	Very much	24	28	1,119	36	94	32	8,276	34							
		Total		85	100	3,104	100	298	100	24,461	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	1	1	131	4	16	5	1,378	6	3.1	3.1	-.03	3.0	.05	3.0	.08
		2	Some	18	21	584	19	58	20	5,274	22							
		3	Quite a bit	39	46	1,233	40	124	42	9,811	40							
		4	Very much	26	31	1,155	37	99	33	7,970	33							
		Total		84	100	3,103	100	297	100	24,433	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	15	18	579	19	54	18	4,592	19	2.2	2.4	-.19	2.5 **	-.32	2.4 *	-.20
		2	Some	44	52	1,125	36	83	28	8,672	35							
		3	Quite a bit	17	20	926	30	103	35	7,357	30							
		4	Very much	9	11	470	15	56	19	3,840	16							
		Total		85	100	3,100	100	296	100	24,461	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	2	2	144	5	17	6	2,070	8	3.0	3.0	-.08	3.0	-.07	2.9	.07
		2	Some	23	27	653	21	61	21	5,591	23							
		3	Quite a bit	36	42	1,261	41	117	39	9,439	39							
		4	Very much	24	28	1,044	34	102	34	7,323	30							
		Total		85	100	3,102	100	297	100	24,423	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	8	9	410	13	37	13	3,688	15	2.5	2.6	-.12	2.7	-.20	2.5	-.07
		2	Some	38	45	1,050	34	91	31	8,291	34							
		3	Quite a bit	30	35	1,060	34	106	36	8,042	33							
		4	Very much	9	11	587	19	62	21	4,439	18							
		Total		85	100	3,107	100	296	100	24,460	100							

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
												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	
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	4	0	1	0	68	0	13.5	14.6	-.14	13.2	.04	14.3	-.10	
	(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	14	16	365	12	51	17	3,086	13								
		8	6-10 hrs	21	25	695	22	74	25	5,732	23								
		13	11-15 hrs	23	27	752	24	68	23	5,693	23								
		18	16-20 hrs	11	13	598	19	56	19	4,797	20								
		23	21-25 hrs	7	8	383	12	23	8	2,778	11								
		28	26-30 hrs	4	5	145	5	13	4	1,212	5								
		33	More than 30 hrs	5	6	157	5	12	4	1,105	5								
			Total	85	100	3,099	100	298	100	24,471	100								
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	22	26	703	23	94	32	7,022	29	6.6	6.7	-.02	6.7	-.02	6.4	.02	
	(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	28	33	1,074	35	85	29	7,849	32								
		8	6-10 hrs	16	19	620	20	44	15	4,076	17								
		13	11-15 hrs	9	11	320	10	30	10	2,448	10								
		18	16-20 hrs	5	6	202	7	19	6	1,507	6								
		23	21-25 hrs	2	2	102	3	12	4	785	3								
		28	26-30 hrs	1	1	32	1	4	1	307	1								
		33	More than 30 hrs	2	2	46	1	8	3	438	2								
			Total	85	100	3,099	100	296	100	24,432	100								
c. Working for pay on campus	tmworkonhrs	0	0 hrs	72	86	2,452	79	221	75	18,737	77	1.9	2.5	-.12	3.1	-.20	2.6	-.13	
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	1	100	3	11	4	1,225	5								
		8	6-10 hrs	6	7	198	6	25	8	1,946	8								
		13	11-15 hrs	3	4	176	6	20	7	1,234	5								
		18	16-20 hrs	0	0	109	4	12	4	835	3								
		23	21-25 hrs	0	0	49	2	1	0	278	1								
		28	26-30 hrs	0	0	11	0	1	0	100	0								
		33	More than 30 hrs	2	2	9	0	5	2	104	0								
			Total	84	100	3,104	100	296	100	24,459	100								

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	49	58	2,200	71	176	59	15,514	63	6.9	4.2 *	.33	6.9	.00	6.0	.09
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5	6	183	6	16	5	1,420	6							
	8	6-10 hrs	7	8	164	5	19	6	1,524	6								
	13	11-15 hrs	6	7	172	6	22	7	1,509	6								
	18	16-20 hrs	8	9	168	5	25	8	1,578	6								
	23	21-25 hrs	3	4	106	3	14	5	1,049	4								
	28	26-30 hrs	1	1	54	2	10	3	652	3								
	33	More than 30 hrs	6	7	60	2	16	5	1,238	5								
	Total		85	100	3,107	100	298	100	24,484	100								
Estimated number of hours working for pay	tmworkhrs		(Continuous variable created by NSSE)									8.6	6.7	.19	10.1	-.11	8.6	.00
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	39	46	1,496	48	146	49	12,368	51	3.6	2.8	.16	3.7	-.02	2.8	.15
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	28	33	1,166	38	98	33	8,675	35							
	8	6-10 hrs	10	12	242	8	19	6	1,830	7								
	13	11-15 hrs	4	5	117	4	14	5	800	3								
	18	16-20 hrs	3	4	42	1	7	2	410	2								
	23	21-25 hrs	0	0	28	1	5	2	209	1								
	28	26-30 hrs	0	0	5	0	2	1	57	0								
	33	More than 30 hrs	1	1	9	0	5	2	129	1								
Total		85	100	3,105	100	296	100	24,478	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	29	1	10	3	423	2	11.5	12.8	-.16	12.4	-.11	12.0	-.06
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	21	25	548	18	57	19	5,296	22							
	8	6-10 hrs	27	32	846	27	76	26	6,833	28								
	13	11-15 hrs	17	20	690	22	69	23	5,119	21								
	18	16-20 hrs	9	11	519	17	36	12	3,299	13								
	23	21-25 hrs	4	5	222	7	17	6	1,520	6								
	28	26-30 hrs	1	1	75	2	7	2	607	2								
33	More than 30 hrs	6	7	178	6	23	8	1,377	6									
Total		85	100	3,107	100	295	100	24,474	100									

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

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Tennessee Technological University

First-Year Students^a in Education

				Frequency Distributions								Statistical Comparisons ^k										
				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		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	63	75	2,560	82	220	74	18,078	74	2.5	1.6	.19	3.0	-.07	3.1	-.08				
		3	1-5 hrs	12	14	284	9	27	9	2,773	11											
		8	6-10 hrs	1	1	100	3	17	6	1,126	5											
		13	11-15 hrs	4	5	58	2	13	4	688	3											
		18	16-20 hrs	1	1	40	1	9	3	445	2											
		23	21-25 hrs	0	0	30	1	4	1	242	1											
		28	26-30 hrs	0	0	12	0	0	0	104	0											
		33	More than 30 hrs	3	4	25	1	8	3	1,014	4											
			Total	84	100	3,109	100	298	100	24,470	100											
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	23	27	1,156	37	119	40	11,574	47	4.7	4.2	.10	4.7	.01	3.7	.17				
		3	1-5 hrs	42	50	1,221	39	101	34	7,906	32											
		8	6-10 hrs	8	10	388	12	30	10	2,570	10											
		13	11-15 hrs	7	8	169	5	23	8	1,114	5											
		18	16-20 hrs	1	1	81	3	11	4	565	2											
		23	21-25 hrs	0	0	41	1	4	1	279	1											
		28	26-30 hrs	0	0	12	0	1	0	108	0											
		33	More than 30 hrs	3	4	38	1	7	2	378	2											
		Total	84	100	3,106	100	296	100	24,494	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	13	15	394	13	39	13	2,552	10	2.5	2.7	-.14	2.6	-.05	2.8 *	-.24				
		2	Some	29	34	1,099	35	115	39	8,156	33											
		3	About half	30	35	891	29	90	30	7,437	30											
		4	Most	11	13	539	17	39	13	4,716	19											
		5	Almost all	2	2	185	6	14	5	1,634	7											
			Total	85	100	3,108	100	297	100	24,495	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)														5.6	6.4	-.14	5.7	-.01	6.7	-.19

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
	tmreadinghrscol	1	0 hrs	0	0	4	0	1	0	68	0								
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	52	61	1,634	53	177	60	12,321	51								
		3	More than 5, up to 10 hrs	19	22	888	29	77	26	7,065	29								
		4	More than 10, up to 15 hrs	7	8	319	10	21	7	2,592	11								
		5	More than 15, up to 20 hrs	4	5	138	4	9	3	1,301	5								
		6	More than 20, up to 25 hrs	3	4	82	3	8	3	778	3								
		7	More than 25 hrs	0	0	29	1	3	1	271	1								
		Total		85	100	3,094	100	296	100	24,396	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	9	11	198	6	15	5	1,230	5	2.6	2.8 *	-.22	2.9 **	-.34	2.9 **	-.31
		2	Some	27	32	894	29	73	25	6,611	27							
		3	Quite a bit	36	43	1,356	44	137	46	10,927	45							
		4	Very much	12	14	650	21	70	24	5,645	23							
		Total		84	100	3,098	100	295	100	24,413	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	6	7	293	9	23	8	1,925	8	2.7	2.7	-.01	2.8	-.14	2.8	-.09
		2	Some	28	33	968	31	80	27	7,214	30							
		3	Quite a bit	38	45	1,246	40	124	42	10,054	41							
		4	Very much	13	15	591	19	69	23	5,260	22							
		Total		85	100	3,098	100	296	100	24,453	100							
c. Thinking critically and analytically	pgthink	1	Very little	1	1	71	2	4	1	566	2	3.0	3.1	-.14	3.0	-.08	3.1	-.13
		2	Some	24	28	580	19	66	22	4,689	19							
		3	Quite a bit	36	42	1,457	47	140	47	11,515	47							
		4	Very much	24	28	991	32	86	29	7,698	31							
		Total		85	100	3,099	100	296	100	24,468	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	9	11	422	14	35	12	3,516	14	2.6	2.6	.01	2.6	-.05	2.5	.04
		2	Some	32	38	1,076	35	101	34	8,554	35							
		3	Quite a bit	31	36	1,080	35	106	36	8,331	34							
		4	Very much	13	15	529	17	55	19	4,075	17							
		Total		85	100	3,107	100	297	100	24,476	100							

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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	
														Effect size ⁿ	Mean		Effect size ⁿ	Mean
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	7	8	353	11	37	12	2,513	10	2.7	2.7	.05	2.7	.03	2.7	-.01
		2	Some	29	34	996	32	80	27	7,392	30							
		3	Quite a bit	31	36	1,111	36	124	42	9,122	37							
		4	Very much	18	21	647	21	57	19	5,464	22							
		Total		85	100	3,107	100	298	100	24,491	100							
f. Working effectively with others	pgothers	1	Very little	5	6	153	5	14	5	1,083	4	2.9	2.9	.00	2.9	-.01	3.0	-.03
		2	Some	17	20	750	24	67	23	5,813	24							
		3	Quite a bit	42	49	1,368	44	140	47	10,743	44							
		4	Very much	21	25	830	27	76	26	6,822	28							
		Total		85	100	3,101	100	297	100	24,461	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	3	4	281	9	33	11	1,957	8	2.8	2.8	.01	2.7	.07	2.8	-.04
		2	Some	30	36	872	28	80	27	6,764	28							
		3	Quite a bit	34	40	1,240	40	120	41	9,811	40							
		4	Very much	17	20	710	23	62	21	5,932	24							
		Total		84	100	3,103	100	295	100	24,464	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	7	8	190	6	22	7	1,750	7	2.6	2.9 **	-0.35	2.8 *	-0.26	2.9 **	-0.29
		2	Some	32	38	753	24	77	26	6,364	26							
		3	Quite a bit	33	39	1,264	41	123	42	9,604	39							
		4	Very much	13	15	892	29	74	25	6,752	28							
		Total		85	100	3,099	100	296	100	24,470	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	9	11	290	9	33	11	2,440	10	2.6	2.7	-0.06	2.7	-0.04	2.7	-0.04
		2	Some	28	33	998	32	89	30	8,074	33							
		3	Quite a bit	32	38	1,210	39	118	40	9,155	37							
		4	Very much	15	18	605	19	56	19	4,815	20							
		Total		84	100	3,103	100	296	100	24,484	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	8	9	287	9	34	11	2,446	10	2.6	2.7	-0.09	2.7	-0.03	2.7	-0.07
		2	Some	29	34	924	30	93	31	7,561	31							
		3	Quite a bit	33	39	1,244	40	108	36	9,176	37							
		4	Very much	15	18	647	21	63	21	5,302	22							
		Total		85	100	3,102	100	298	100	24,485	100							

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		
Item wording or description	Variable name ^l	Values ^m	Response options		Count	%	Count	%	Count	%	Count	%	Your first-year students compared with						
			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		1	1	37	1	9	3	371	2	3.2	3.3	-.08	3.2	.10	3.3	-.02
		2	Fair		11	13	294	9	35	12	2,660	11							
		3	Good		39	46	1,485	48	152	51	11,700	48							
		4	Excellent		34	40	1,300	42	104	35	9,833	40							
			Total		85	100	3,116	100	300	100	24,564	100							
19. If you could start over again, would you go to the same institution you are now attending?																			
	sameinst	1	Definitely no		2	2	67	2	18	6	753	3	3.4	3.4	.01	3.2	.23	3.3	.12
		2	Probably no		9	11	276	9	31	10	2,700	11							
		3	Probably yes		28	33	1,186	38	126	42	9,635	39							
		4	Definitely yes		46	54	1,587	51	125	42	11,518	47							
			Total		85	100	3,116	100	300	100	24,606	100							
20. Do you intend to return to this institution next year?^f																			
	returnexp		No		4	5	96	3	16	5	1,018	4	94%	93%	.04	88%	.22	89%	.17
			Yes		79	94	2,901	93	263	88	21,979	89							
			Not sure		1	1	122	4	21	7	1,587	6							
			Total		84	100	3,119	100	300	100	24,584	100							
			<i>(Means indicate the percentage who responded "Yes.")</i>																

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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 23 45 66 135	1 17 33 49 100	94 1,014 1,337 1,595 4,040	2 25 33 39 100	3 75 113 157 348	1 22 32 45 100	467 5,826 9,507 13,529 29,329	2 20 32 46 100	3.3	3.1 **	.24	3.2	.11	3.2	.09														
Total																																
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	13 41 35 46 135	10 30 26 34 100	908 1,495 1,006 625 4,034	23 37 25 15 100	74 102 96 74 346	21 29 28 21 100	5,787 10,566 7,544 5,411 29,308	20 36 26 18 100								2.8	2.3 ***	.51	2.5 ***	.34	2.4 ***	.41							
Total																																
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	2 17 57 58 134	1 13 43 43 100	306 680 2,201 855 4,042	8 17 54 21 100	15 44 191 100 350	4 13 55 29 100	1,602 3,758 15,581 8,391 29,332	5 13 53 29 100															3.3	2.9 ***	.47	3.1 **	.27	3.0 ***	.29
Total																																
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1 2 3 4	Never Sometimes Often Very often	66 47 10 12 135	49 35 7 9 100	1,734 1,514 476 320 4,044	43 37 12 8 100	154 113 52 30 349	44 32 15 9 100	12,865 10,513 3,450 2,502 29,330	44 36 12 9 100	1.8	1.8	-.09	1.9	-.12	1.8	-.09														
Total																																
e. Asked another student to help you understand course material	CLaskhelp	1 2 3 4	Never Sometimes Often Very often	3 47 45 40 135	2 35 33 30 100	275 1,592 1,360 826 4,053	7 39 34 20 100	18 128 127 75 348	5 37 36 22 100	3,179 11,300 9,413 5,483 29,375	11 38 32 19 100								2.9	2.7 **	.26	2.7	.19	2.6 ***	.35							
Total																																
f. Explained course material to one or more students	CLexplain	1 2 3 4	Never Sometimes Often Very often	0 28 66 41 135	0 21 49 30 100	96 1,202 1,715 1,035 4,048	2 30 42 26 100	7 88 156 99 350	2 25 45 28 100	1,531 8,689 11,747 7,398 29,365	5 30 40 25 100															3.1	2.9 **	.23	3.0	.14	2.9 ***	.29
Total																																

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	14	10	420	10	34	10	4,455	15	2.9	2.7	.15	2.8	.05	2.6 **	.25	
		2	Sometimes	30	22	1,291	32	95	27	9,106	31								
		3	Often	52	39	1,362	34	123	35	9,237	31								
		4	Very often	39	29	975	24	97	28	6,569	22								
		Total		135	100	4,048	100	349	100	29,367	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	3	2	145	4	16	5	1,886	6	3.1	3.0 *	.18	3.0	.19	2.9 ***	.26	
		2	Sometimes	25	19	1,027	25	85	24	7,784	27								
		3	Often	59	44	1,647	41	143	41	11,278	38								
		4	Very often	48	36	1,229	30	106	30	8,424	29								
		Total		135	100	4,048	100	350	100	29,372	100								
i. Given a course presentation	present	1	Never	5	4	305	8	32	9	2,601	9	3.1	2.8 ***	.30	2.8 **	.27	2.8 **	.23	
		2	Sometimes	30	22	1,298	32	96	27	7,920	27								
		3	Often	51	38	1,367	34	127	36	10,253	35								
		4	Very often	49	36	1,078	27	96	27	8,610	29								
		Total		135	100	4,048	100	351	100	29,384	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	3	2	99	2	11	3	780	3	3.1	3.0	.12	3.0	.16	3.0	.12	
		2	Sometimes	27	20	969	24	82	23	7,054	24								
		3	Often	56	42	1,743	43	159	46	12,559	43								
		4	Very often	48	36	1,238	31	97	28	8,950	31								
		Total		134	100	4,049	100	349	100	29,343	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	6	4	156	4	21	6	1,315	4	2.8	2.9	-.10	2.8	.02	2.9	-.04	
		2	Sometimes	43	32	1,153	28	111	32	8,901	30								
		3	Often	54	40	1,625	40	129	37	11,524	39								
		4	Very often	32	24	1,115	28	87	25	7,612	26								
		Total		135	100	4,049	100	348	100	29,352	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	15	11	295	7	28	8	2,095	7	2.7	2.8	-.13	2.7	-.04	2.8	-.11	
		2	Sometimes	42	31	1,316	33	126	36	9,905	34								
		3	Often	52	39	1,425	35	119	34	10,221	35								
		4	Very often	26	19	1,011	25	76	22	7,117	24								
		Total		135	100	4,047	100	349	100	29,338	100								

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Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

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				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		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	Effect size ⁿ		Effect size ⁿ	Effect size ⁿ
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	6	4	137	3	15	4	990	3	2.9	2.9	.08	.14	2.9	.07	
		2	Sometimes	34	25	1,195	30	115	33	8,732	30							
		3	Often	60	44	1,831	45	140	40	12,948	44							
		4	Very often	35	26	886	22	77	22	6,667	23							
		Total		135	100	4,049	100	347	100	29,337	100							
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	6	4	61	2	5	1	506	2	2.9	3.0	-.13	-.13	3.0	-.10	
		2	Sometimes	29	22	933	23	83	24	6,960	24							
		3	Often	68	51	1,913	47	160	46	13,755	47							
		4	Very often	31	23	1,138	28	101	29	8,110	28							
		Total		134	100	4,045	100	349	100	29,331	100							
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	2	1	49	1	4	1	438	1	3.0	3.0	-.01	.01	3.0	.01	
		2	Sometimes	37	28	1,007	25	89	26	7,538	26							
		3	Often	56	42	1,912	47	164	47	13,604	46							
		4	Very often	39	29	1,064	26	90	26	7,716	26							
		Total		134	100	4,032	100	347	100	29,296	100							
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	25	1	1	0	156	1	3.3	3.3	.03	.05	3.3	.02	
		2	Sometimes	18	13	497	12	45	13	3,561	12							
		3	Often	62	46	1,948	48	170	49	14,024	48							
		4	Very often	55	41	1,561	39	131	38	11,544	39							
		Total		135	100	4,031	100	347	100	29,285	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	12	9	414	10	26	8	2,900	10	2.9	2.7 *	.22	.08	2.7 *	.18	
		2	Sometimes	34	25	1,425	35	107	31	9,706	33							
		3	Often	42	31	1,144	28	107	31	8,738	30							
		4	Very often	47	35	1,057	26	105	30	7,984	27							
		Total		135	100	4,040	100	345	100	29,328	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	49	36	1,434	35	117	34	10,627	36	2.1	2.1	.06	-.01	2.1	.03	
		2	Sometimes	42	31	1,378	34	118	34	9,177	31							
		3	Often	21	16	729	18	59	17	5,474	19							
		4	Very often	23	17	503	12	54	16	4,029	14							
		Total		135	100	4,044	100	348	100	29,307	100							

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Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

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				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		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	
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	24	18	901	22	66	19	6,491	22	2.5	2.2 **	.25	2.4	.08	2.3 *	.18	
		2	Sometimes	49	36	1,768	44	138	40	11,749	40								
		3	Often	37	27	898	22	84	24	7,112	24								
		4	Very often	25	19	471	12	58	17	3,930	13								
		Total		135	100	4,038	100	346	100	29,282	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	16	12	777	19	50	14	4,888	17	2.6	2.3 ***	.31	2.5	.10	2.4 *	.20	
		2	Sometimes	48	36	1,760	44	132	38	12,104	41								
		3	Often	46	34	1,002	25	105	30	7,982	27								
		4	Very often	25	19	503	12	58	17	4,341	15								
		Total		135	100	4,042	100	345	100	29,315	100								
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	19	14	358	9	27	8	2,821	10	2.6	2.8 *	-.22	2.8 *	-.26	2.7	-.14	
		2	Some	50	38	1,180	29	101	29	9,420	32								
		3	Quite a bit	34	26	1,541	38	132	38	11,165	38								
		4	Very much	30	23	956	24	87	25	5,886	20								
		Total		133	100	4,035	100	347	100	29,292	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	2	1	94	2	9	3	615	2	3.2	3.1 *	.19	3.1	.14	3.1	.16	
		2	Some	26	19	783	19	59	17	5,430	19								
		3	Quite a bit	47	35	1,881	47	164	47	13,630	46								
		4	Very much	60	44	1,282	32	117	34	9,637	33								
		Total		135	100	4,040	100	349	100	29,312	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	1	1	137	3	16	5	970	3	3.2	3.0 *	.21	3.0 *	.23	3.0 *	.18	
		2	Some	28	21	950	24	83	24	6,576	22								
		3	Quite a bit	54	41	1,792	45	147	42	13,033	45								
		4	Very much	50	38	1,147	28	100	29	8,688	30								
		Total		133	100	4,026	100	346	100	29,267	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	5	4	159	4	18	5	1,046	4	3.1	3.0	.14	2.9 *	.23	3.0	.13	
		2	Some	30	22	969	24	91	26	6,936	24								
		3	Quite a bit	50	37	1,797	44	155	45	13,218	45								
		4	Very much	50	37	1,115	28	84	24	8,078	28								
		Total		135	100	4,040	100	348	100	29,278	100								

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Tennessee Technological University

Seniors^a in Education

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				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		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	Effect size ⁿ		Effect size ⁿ	Effect size ⁿ	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	3	2	170	4	15	4	966	3	3.1	2.9 *	.18	3.0	.11	3.0	.13	
		2	Some	25	19	1,010	25	77	22	6,815	23								
		3	Quite a bit	65	49	1,805	45	154	44	13,556	46								
		4	Very much	41	31	1,046	26	101	29	7,940	27								
		Total		134	100	4,031	100	347	100	29,277	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	2	1	70	2	6	2	594	2	3.2	3.1	.11	3.2	.00	3.2	.10	
		2	Some	20	15	687	17	50	14	5,053	17								
		3	Quite a bit	58	43	1,862	46	152	44	12,953	44								
		4	Very much	55	41	1,411	35	141	40	10,675	36								
		Total		135	100	4,030	100	349	100	29,275	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	7	5	115	3	11	3	882	3	3.1	3.1	.02	3.2	-.12	3.1	.00	
		2	Some	28	21	751	19	56	16	5,346	18								
		3	Quite a bit	45	33	1,854	46	133	38	13,039	45								
		4	Very much	55	41	1,311	33	148	43	10,015	34								
		Total		135	100	4,031	100	348	100	29,282	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	3	2	110	3	9	3	889	3	3.2	3.1	.16	3.2	.01	3.1	.13	
		2	Some	25	19	790	20	57	16	5,552	19								
		3	Quite a bit	47	35	1,761	44	135	39	12,337	42								
		4	Very much	60	44	1,366	34	147	42	10,486	36								
		Total		135	100	4,027	100	348	100	29,264	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	11	8	347	9	25	7	2,235	8	3.0	2.8 **	.24	3.0	.07	2.9	.15	
		2	Some	26	19	1,151	29	86	25	7,594	26								
		3	Quite a bit	47	35	1,476	37	115	33	10,679	36								
		4	Very much	51	38	1,058	26	122	35	8,752	30								
		Total		135	100	4,032	100	348	100	29,260	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	16	12	334	8	25	7	1,875	6	2.9	2.8	.13	2.9	-.04	2.9	.02	
		2	Some	28	21	1,146	28	84	24	7,731	26								
		3	Quite a bit	44	33	1,585	39	121	35	11,537	39								
		4	Very much	47	35	967	24	115	33	8,107	28								
		Total		135	100	4,032	100	345	100	29,250	100								

NSSE 2019 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				Quality Assurance				NSSE 2018 & 2019				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							
				%	%	%	%	%	%	%	%														
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	15	11	607	15	43	13	4,380	15	2.6	2.4 **	.23	2.5	.09	2.4 *	.21							
		2	Sometimes	47	35	1,638	41	127	37	11,556	40														
		3	Often	47	35	1,272	32	119	35	9,429	32														
		4	Very often	26	19	505	13	54	16	3,862	13														
			Total	135	100	4,022	100	343	100	29,227	100														
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	27	20	863	21	77	22	6,620	23	2.4	2.3	.16	2.3	.11	2.2 *	.19							
		2	Sometimes	46	34	1,637	41	130	38	11,861	41														
		3	Often	40	30	1,063	26	87	25	7,602	26														
		4	Very often	22	16	452	11	49	14	3,105	11														
			Total	135	100	4,015	100	343	100	29,188	100														
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	30	22	794	20	75	22	6,315	22	2.4	2.3	.07	2.3	.06	2.2	.12							
		2	Sometimes	49	36	1,679	42	137	40	12,224	42														
		3	Often	34	25	1,111	28	87	25	7,732	27														
		4	Very often	22	16	428	11	46	13	2,866	10														
			Total	135	100	4,012	100	345	100	29,137	100														
7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)																									
a. Up to 5 pages	wrshortnum	0	None	4	3	199	5	19	5	1,379	5	7.4	7.6	-.03	7.4	.00	8.1	-10							
	(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	26	19	774	19	72	21	4,952	17														
		4	3-5	41	31	1,199	30	100	29	8,302	28														
		8	6-10	33	25	819	20	74	21	6,475	22														
		13	11-15	12	9	455	11	34	10	3,222	11														
		18	16-20	9	7	250	6	15	4	1,897	6														
		23	More than 20	9	7	328	8	33	10	2,978	10														
			Total	134	100	4,024	100	347	100	29,205	100														
b. Between 6 and 10 pages	wrmednum	0	None	21	16	1,063	26	96	28	6,763	23	4.7	3.2 **	.35	3.1 **	.32	3.5 *	.26							
	(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	38	29	1,439	36	130	38	10,014	34														
		4	3-5	44	33	879	22	69	20	7,040	24														
		8	6-10	13	10	380	9	30	9	3,236	11														
		13	11-15	10	8	147	4	10	3	1,154	4														
		18	16-20	1	1	47	1	2	1	429	1														
		23	More than 20	6	5	60	1	9	3	503	2														
			Total	133	100	4,015	100	346	100	29,139	100														

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

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				Tennessee Tech				Carnegie Class				Quality Assurance				NSSE 2018 & 2019				Your seniors compared with					
				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		Effect size ⁿ		Effect size ⁿ			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Effect size ⁿ	Effect size ⁿ					
c. 11 pages or more	wrlongnum	0	None	57	43	2,195	55	194	56	14,402	49	2.5	1.6 *	.27	1.7	.18	1.8	.20							
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	51	38	1,243	31	107	31	9,892	34														
	4	3-5	15	11	338	8	22	6	2,896	10															
	8	6-10	2	1	117	3	10	3	972	3															
	13	11-15	2	1	65	2	6	2	489	2															
	18	16-20	1	1	22	1	0	0	191	1															
	23	More than 20	6	4	40	1	8	2	343	1															
	Total			134	100	4,020	100	347	100	29,185	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.)									95.5	71.7 *	.26	71.6 *	.22	79.0	.18							
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	10	7	106	3	18	5	1,320	5	2.8	3.2 ***	-0.40	3.0	-0.19	3.0 **	-0.24							
		2	Sometimes	45	33	858	21	90	26	7,333	25														
		3	Often	39	29	1,329	33	113	33	9,387	32														
		4	Very often	41	30	1,737	43	126	36	11,202	38														
			Total	135	100	4,030	100	347	100	29,242	100														
b. People from an economic background other than your own	DDeconomic	1	Never	2	1	100	2	12	3	1,028	4	3.0	3.2 *	-0.18	3.0	-0.01	3.1	-0.06							
		2	Sometimes	39	29	791	20	84	24	6,641	23														
		3	Often	50	37	1,523	38	138	40	11,028	38														
		4	Very often	44	33	1,614	40	114	33	10,495	36														
			Total	135	100	4,028	100	348	100	29,192	100														
c. People with religious beliefs other than your own	DDreligion	1	Never	6	4	150	4	24	7	1,757	6	2.9	3.1 *	-0.20	2.9	.01	2.9	-0.05							
		2	Sometimes	40	30	967	24	105	30	8,318	28														
		3	Often	52	39	1,413	35	110	32	9,573	33														
		4	Very often	36	27	1,498	37	109	31	9,577	33														
			Total	134	100	4,028	100	348	100	29,225	100														
d. People with political views other than your own	DDpolitical	1	Never	5	4	190	5	21	6	1,549	5	3.0	3.0	-0.05	2.9	.05	3.0	.02							
		2	Sometimes	31	23	1,028	26	95	27	7,961	27														
		3	Often	62	46	1,341	33	121	35	10,023	34														
		4	Very often	37	27	1,465	36	112	32	9,697	33														
			Total	135	100	4,024	100	349	100	29,230	100														

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Education

Tennessee Technological University

Seniors^a in Education

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				Tennessee Tech				Carnegie Class				Quality Assurance				NSSE 2018 & 2019				Your seniors compared with			
Item wording or description	Variable name ^l	Values ^m	Response options	Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Effect size ⁿ	Effect size ⁿ	Effect size ⁿ	Effect size ⁿ				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean				
9. During the current school year, about how often have you done the following?																							
a. Identified key information from reading assignments	LSreading	1	Never	5	4	71	2	3	1	509	2	3.2	3.1	.09	3.1	.05	3.1	.05					
		2	Sometimes	18	13	795	20	60	17	5,305	18												
		3	Often	59	44	1,791	45	168	48	13,051	45												
		4	Very often	52	39	1,365	34	116	33	10,353	35												
		Total		134	100	4,022	100	347	100	29,218	100												
b. Reviewed your notes after class	LSnotes	1	Never	7	5	288	7	25	7	2,076	7	3.1	2.8 ***	.35	3.0	.19	2.9 **	.28					
		2	Sometimes	23	17	1,309	33	76	22	8,538	29												
		3	Often	51	38	1,337	33	136	39	9,975	34												
		4	Very often	53	40	1,084	27	109	32	8,609	29												
		Total		134	100	4,018	100	346	100	29,198	100												
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	9	7	248	6	23	7	1,672	6	3.0	2.8 *	.20	2.9	.07	2.9	.13					
		2	Sometimes	29	22	1,232	31	82	24	8,033	27												
		3	Often	49	37	1,505	37	137	39	11,458	39												
		4	Very often	47	35	1,034	26	106	30	8,056	28												
		Total		134	100	4,019	100	348	100	29,219	100												
10. During the current school year, to what extent have your courses challenged you to do your best work?																							
challenge		1	Not at all	3	2	34	1	3	1	246	1	6.0	5.5 ***	.38	5.8	.15	5.6 **	.26					
		2		0	0	48	1	3	1	338	1												
		3		4	3	174	4	11	3	1,016	3												
		4		11	8	465	12	39	11	2,785	10												
		5		19	14	1,236	31	76	22	8,119	28												
		6		34	25	1,052	26	78	23	7,641	26												
		7	Very much	64	47	1,002	25	135	39	8,986	31												
		Total		135	100	4,011	100	345	100	29,131	100												
11. Which of the following have you done or do you plan to do before you graduate?^o																							
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	1	1	150	4	18	5	1,139	4	90%	66% ***	.58	64% ***	.63	65% ***	.61					
			Do not plan to do	4	3	283	7	29	8	1,728	6												
			Plan to do	9	7	916	23	77	22	7,383	25												
			Done or in progress	121	90	2,674	66	222	64	18,988	65												
			Total	135	100	4,023	100	346	100	29,238	100												

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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	10	7	384	10	36	10	3,490	12	34%	43% *	-.19	36%	-.04	38%	-.09
			Do not plan to do	68	50	1,592	40	154	45	12,034	41							
			Plan to do	11	8	311	8	31	9	2,474	8							
			Done or in progress	46	34	1,736	43	124	36	11,203	38							
			Total	135	100	4,023	100	345	100	29,201	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	15	11	424	11	43	13	4,046	14	37%	35%	.04	28%	.18	33%	.09
			Do not plan to do	55	41	1,823	45	158	46	12,410	43							
			Plan to do	14	11	369	9	46	13	3,191	11							
			Done or in progress	49	37	1,403	35	97	28	9,524	33							
			Total	133	100	4,019	100	344	100	29,171	100							
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	14	10	388	10	44	13	3,346	11	6%	16% **	-.33	5%	.03	13% *	-.24
			Do not plan to do	110	81	2,723	68	259	75	20,209	69							
			Plan to do	3	2	261	6	24	7	1,939	7							
			Done or in progress	8	6	648	16	18	5	3,688	13							
			Total	135	100	4,020	100	345	100	29,182	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	18	13	542	13	57	17	4,464	15	16%	21%	-.12	22%	-.14	19%	-.08
			Do not plan to do	85	63	2,196	55	176	51	15,911	54							
			Plan to do	9	7	433	11	37	11	3,165	11							
			Done or in progress	22	16	851	21	75	22	5,672	19							
			Total	134	100	4,022	100	345	100	29,212	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	7	5	344	9	26	8	2,798	10	64%	46% ***	.35	52% *	.24	46% ***	.36
			Do not plan to do	25	19	1,002	25	68	20	6,172	21							
			Plan to do	17	13	813	20	72	21	6,867	24							
			Done or in progress	86	64	1,857	46	180	52	13,357	46							
			Total	135	100	4,016	100	346	100	29,194	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	Mean	Effect size ⁿ	Comparison
None	12	9	1,028	26	66	19	6,493	22
Some	86	64	2,303	57	210	61	16,830	58
Most	25	19	576	14	57	16	4,901	17
All	11	8	114	3	13	4	978	3
Total	134	100	4,021	100	346	100	29,202	100

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Tennessee Technological University

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Item wording or description				Frequency Distributions								Statistical Comparisons ^k							
				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		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	0	0	38	1	2	1	242	1	5.9						
			2		1	1	52	1	1	0	355	1							
			3		2	1	117	3	10	3	921	3							
			4		11	8	347	9	26	8	2,650	9							
			5		34	25	1,022	25	88	25	6,957	24							
			6		27	20	1,136	28	89	26	8,008	27							
			7	Excellent	58	43	1,290	32	127	37	9,644	33							
			—	Not applicable	1	1	26	1	3	1	459	2							
			Total		134	100	4,028	100	346	100	29,236	100							
b. Academic advisors																			
		QIadvisor	1	Poor	7	5	173	4	19	5	1,124	4	5.5						
			2		3	2	199	5	20	6	1,244	4							
			3		8	6	314	8	37	11	1,979	7							
			4		13	10	528	13	46	13	3,460	12							
			5		22	16	793	20	53	15	5,331	18							
			6		21	16	798	20	52	15	5,678	19							
			7	Excellent	58	43	1,207	30	117	34	10,177	35							
			—	Not applicable	2	1	18	0	2	1	244	1							
			Total		134	100	4,030	100	346	100	29,237	100							
c. Faculty																			
		QIfaculty	1	Poor	1	1	46	1	2	1	327	1	5.8						
			2		1	1	65	2	9	3	462	2							
			3		6	4	180	4	16	5	1,176	4							
			4		16	12	531	13	40	12	2,968	10							
			5		25	19	1,080	27	75	22	7,035	24							
			6		24	18	1,155	29	98	28	8,357	29							
			7	Excellent	60	45	954	24	106	31	8,708	30							
			—	Not applicable	1	1	15	0	1	0	177	1							
			Total		134	100	4,026	100	347	100	29,210	100							

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				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		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	Effect size ⁿ		Effect size ⁿ	Effect size ⁿ	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	4	3	127	3	14	4	1,053	4	5.4	5.0 **	.27	5.0	.22	5.1 *	.21	
		2		2	1	151	4	13	4	1,145	4								
		3		7	5	292	7	22	6	1,932	7								
		4		11	8	606	15	44	13	3,729	13								
		5		23	17	834	21	64	19	5,559	19								
		6		18	13	726	18	53	15	5,194	18								
		7	Excellent	35	26	687	17	71	21	5,739	20								
		—	Not applicable	34	25	603	15	64	19	4,879	17								
	Total			134	100	4,026	100	345	100	29,230	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	2	1	154	4	16	5	1,055	4	5.4	4.9 ***	.33	4.8 ***	.35	5.1 *	.19	
		2		4	3	228	6	23	7	1,361	5								
		3		10	7	363	9	33	10	2,156	7								
		4		15	11	657	16	57	16	4,188	14								
		5		33	25	882	22	71	21	6,444	22								
		6		22	16	763	19	68	20	5,931	20								
		7	Excellent	42	31	695	17	65	19	6,661	23								
		—	Not applicable	6	4	278	7	13	4	1,417	5								
	Total			134	100	4,020	100	346	100	29,213	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	1	90	2	5	1	554	2	3.1	3.1	.11	3.1	.07	3.1	.10	
		2	Some	26	19	805	20	72	21	6,001	21								
		3	Quite a bit	58	43	1,930	48	159	46	13,777	47								
		4	Very much	48	36	1,200	30	109	32	8,864	30								
			Total			134	100	4,025	100	345	100								29,196
b. Providing support to help students succeed academically	SEacademic	1	Very little	4	3	149	4	10	3	1,048	4	3.1	3.0 *	.18	3.0	.12	3.0	.11	
		2	Some	29	22	944	23	79	23	6,294	22								
		3	Quite a bit	49	37	1,825	45	150	44	12,745	44								
		4	Very much	52	39	1,102	27	105	31	9,076	31								
			Total			134	100	4,020	100	344	100								29,163
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	11	8	312	8	30	9	2,304	8	2.8	2.9	-.03	2.9	-.11	2.9	-.09	
		2	Some	38	29	1,011	25	76	22	6,753	23								
		3	Quite a bit	44	34	1,628	40	125	36	11,162	38								
		4	Very much	38	29	1,071	27	114	33	8,981	31								
			Total			131	100	4,022	100	345	100								29,200

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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	Effect size ⁿ		Effect size ⁿ	Effect size ⁿ
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	18	13	472	12	34	10	3,618	12	2.7	2.7	-.04	2.8	-.09	2.7	-.02
		2	Some	38	28	1,205	30	96	28	8,746	30							
		3	Quite a bit	48	36	1,380	34	135	39	9,921	34							
		4	Very much	30	22	965	24	80	23	6,901	24							
		Total		134	100	4,022	100	345	100	29,186	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	10	8	220	5	23	7	1,909	7	3.0	3.0	-.01	3.0	-.03	2.9	.04
		2	Some	33	25	919	23	71	21	6,935	24							
		3	Quite a bit	43	32	1,676	42	140	41	11,781	40							
		4	Very much	47	35	1,198	30	111	32	8,522	29							
		Total		133	100	4,013	100	345	100	29,147	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	17	13	342	9	31	9	2,751	9	2.8	2.9	-.11	2.9	-.17	2.8	-.07
		2	Some	34	26	994	25	63	18	7,456	26							
		3	Quite a bit	46	35	1,559	39	151	44	11,120	38							
		4	Very much	36	27	1,115	28	98	29	7,811	27							
		Total		133	100	4,010	100	343	100	29,138	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	44	33	1,282	32	95	28	8,771	30	2.2	2.1	.11	2.2	.00	2.2	.05
		2	Some	41	31	1,432	36	124	36	10,256	35							
		3	Quite a bit	23	17	900	22	77	22	6,570	23							
		4	Very much	25	19	405	10	47	14	3,543	12							
		Total		133	100	4,019	100	343	100	29,140	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	25	19	445	11	30	9	4,413	15	2.5	2.7 *	-.24	2.9 **	-.35	2.6	-.12
		2	Some	45	34	1,107	28	89	26	8,252	28							
		3	Quite a bit	34	25	1,477	37	126	37	10,069	35							
		4	Very much	30	22	985	25	99	29	6,371	22							
		Total		134	100	4,014	100	344	100	29,105	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	35	27	717	18	58	17	5,808	20	2.3	2.4	-.10	2.5 *	-.22	2.4	-.09
		2	Some	48	36	1,590	40	115	33	10,728	37							
		3	Quite a bit	25	19	1,162	29	115	33	8,419	29							
		4	Very much	24	18	548	14	59	17	4,163	14							
		Total		132	100	4,017	100	347	100	29,118	100							

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Your seniors compared with																			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ															
Item wording or description	Variable name ^l	Values ^m	Response options																														
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 <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	0 13 30 30 26 15 7 13	0 10 22 22 19 11 5 10	19 618 1,012 870 707 379 188 226	0 15 25 22 18 9 5 6	2 53 94 59 54 33 26 24	1 15 27 17 16 10 8 7	102 3,961 6,846 6,142 5,297 3,054 1,696 2,063	0 14 23 21 18 10 6 7	15.7	13.8 **	.23	14.3	.16	14.7	.12															
			Total	134	100	4,019	100	345	100	29,161	100																						
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	60 34 14 8 7 6 2 3	45 25 10 6 5 4 1 2	1,254 1,285 685 351 225 104 32 75	31 32 17 9 6 3 1 2	138 106 52 23 7 7 4 8	40 31 15 7 2 2 1 2	11,328 8,281 3,913 2,239 1,572 805 368 611	39 28 13 8 5 3 1 2								5.5	5.9	-.06	4.9	.08	5.6	-.01								
			Total	134	100	4,011	100	345	100	29,117	100																						
c. Working for pay on campus	tmworkonhrs <i>(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	110 4 7 3 7 1 1 1	82 3 5 2 5 1 1 1	2,857 174 289 281 246 82 41 41	71 4 7 7 6 2 1 1	271 21 22 10 10 3 3 6	78 6 6 3 3 1 1 2	20,841 1,571 2,376 1,803 1,589 496 192 276	72 5 8 6 5 2 1 1															2.4	3.8 **	-.20	2.6	-.04	3.5 *	-.17	
			Total	134	100	4,011	100	346	100	29,144	100																						

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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. Working for pay off campus	tmworkoffhrs	0	0 hrs	39	29	1,666	41	115	33	11,009	38	12.4	10.5	.16	13.4	-.08	12.3	.00
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	12	9	294	7	19	5	1,946	7							
	8	6-10 hrs	13	10	378	9	27	8	2,445	8								
	13	11-15 hrs	18	13	353	9	36	10	2,305	8								
	18	16-20 hrs	17	13	421	10	40	12	2,902	10								
	23	21-25 hrs	15	11	282	7	30	9	2,181	7								
	28	26-30 hrs	6	4	203	5	31	9	1,764	6								
	33	More than 30 hrs	14	10	425	11	49	14	4,595	16								
	Total			134	100	4,022	100	347	100	29,147	100							
Estimated number of hours working for pay	tmworkhrs		(Continuous variable created by NSSE)									14.7	14.3	.04	15.9	-.09	15.8	-.08
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	56	42	1,515	38	126	36	11,690	40	5.7	4.2 *	.24	4.6	.15	4.1 *	.26
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	40	30	1,651	41	137	39	11,372	39							
	8	6-10 hrs	13	10	442	11	41	12	2,997	10								
	13	11-15 hrs	9	7	164	4	12	3	1,301	4								
	18	16-20 hrs	4	3	87	2	16	5	725	2								
	23	21-25 hrs	3	2	59	1	5	1	349	1								
	28	26-30 hrs	2	1	24	1	3	1	186	1								
	33	More than 30 hrs	7	5	79	2	7	2	528	2								
	Total			134	100	4,021	100	347	100	29,148	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	2	2	69	2	5	1	749	3	9.6	11.0 *	-.18	9.7	-.01	10.1	-.07
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	48	36	965	24	116	34	8,714	30							
	8	6-10 hrs	34	26	1,222	30	93	27	8,510	29								
	13	11-15 hrs	22	17	837	21	60	17	5,369	18								
	18	16-20 hrs	17	13	498	12	49	14	3,002	10								
	23	21-25 hrs	5	4	206	5	10	3	1,234	4								
	28	26-30 hrs	2	2	79	2	2	1	519	2								
	33	More than 30 hrs	3	2	145	4	9	3	1,058	4								
	Total			133	100	4,021	100	344	100	29,155	100							

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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	72	54	2,943	73	219	63	18,506	64	6.8	▲ 3.9 **	.32	5.8	.09	6.3	.04	
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	17	13	397	10	45	13	3,215	11								
	8	6-10 hrs	12	9	166	4	18	5	1,456	5									
	13	11-15 hrs	8	6	89	2	10	3	866	3									
	18	16-20 hrs	8	6	71	2	6	2	700	2									
	23	21-25 hrs	1	1	54	1	3	1	385	1									
	28	26-30 hrs	2	2	23	1	4	1	304	1									
	33	More than 30 hrs	13	10	268	7	40	12	3,688	13									
	Total			133	100	4,011	100	345	100	29,120	100								
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	12	9	518	13	59	17	6,916	24	6.4	5.4	.16	5.1 *	.21	5.1 *	.20	
	(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	67	50	2,299	57	194	56	14,114	48								
	8	6-10 hrs	36	27	716	18	52	15	4,558	16									
	13	11-15 hrs	7	5	246	6	21	6	1,678	6									
	18	16-20 hrs	7	5	96	2	8	2	708	2									
	23	21-25 hrs	0	0	55	1	2	1	346	1									
	28	26-30 hrs	3	2	27	1	2	1	184	1									
	33	More than 30 hrs	2	1	66	2	7	2	691	2									
	Total			134	100	4,023	100	345	100	29,195	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	29	22	698	17	78	22	4,140	14	2.5	2.7	-.14	2.4	.08	2.8 *	-.20		
	2	Some	44	33	1,167	29	130	37	8,838	30									
	3	About half	31	23	1,105	28	65	19	8,356	29									
	4	Most	18	14	743	18	59	17	5,566	19									
	5	Almost all	11	8	305	8	16	5	2,277	8									
		Total			133	100	4,018	100	348	100								29,177	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)																			
		6.3																	

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
	tmreadinghrscol	1	0 hrs	0	0	19	0	2	1	102	0								
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	84	63	2,173	54	216	63	14,639	50								
		3	More than 5, up to 10 hrs	20	15	1,050	26	67	19	8,062	28								
		4	More than 10, up to 15 hrs	14	11	389	10	24	7	3,028	10								
		5	More than 15, up to 20 hrs	9	7	204	5	15	4	1,657	6								
		6	More than 20, up to 25 hrs	4	3	122	3	15	4	1,056	4								
		7	More than 25 hrs	2	2	47	1	6	2	522	2								
			Total	133	100	4,004	100	345	100	29,066	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	2	1	196	5	13	4	1,158	4	3.2	3.0 *	.21	3.0	.19	3.1	.14
		2	Some	26	19	910	23	80	23	6,106	21							
		3	Quite a bit	53	40	1,620	40	143	41	11,916	41							
		4	Very much	53	40	1,281	32	110	32	9,920	34							
			Total	134	100	4,007	100	346	100	29,100	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	3	2	231	6	17	5	1,568	5	3.2	3.0 ***	.29	3.0 *	.26	3.0 **	.25
		2	Some	21	16	931	23	72	21	6,107	21							
		3	Quite a bit	50	37	1,522	38	142	41	11,478	39							
		4	Very much	60	45	1,338	33	116	33	10,021	34							
			Total	134	100	4,022	100	347	100	29,174	100							
c. Thinking critically and analytically	pgthink	1	Very little	3	2	65	2	4	1	520	2	3.3	3.3	.05	3.3	.10	3.3	.06
		2	Some	13	10	490	12	47	14	3,678	13							
		3	Quite a bit	54	40	1,640	41	149	43	11,801	40							
		4	Very much	64	48	1,819	45	147	42	13,199	45							
			Total	134	100	4,014	100	347	100	29,198	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	15	11	523	13	37	11	4,002	14	2.8	2.6 *	.19	2.6	.18	2.6 *	.21
		2	Some	37	28	1,336	33	120	35	9,684	33							
		3	Quite a bit	39	29	1,258	31	118	34	8,968	31							
		4	Very much	43	32	903	22	72	21	6,544	22							
			Total	134	100	4,020	100	347	100	29,198	100							

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		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	Effect size ⁿ		Effect size ⁿ	Effect size ⁿ
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	2	1	230	6	16	5	1,414	5	3.3	3.1 **	.28	3.2 *	.22	3.2 *	.22
		2	Some	21	16	760	19	57	16	5,059	17							
		3	Quite a bit	40	30	1,425	35	131	38	10,439	36							
		4	Very much	71	53	1,604	40	143	41	12,271	42							
		Total		134	100	4,019	100	347	100	29,183	100							
f. Working effectively with others	pgothers	1	Very little	4	3	121	3	11	3	887	3	3.4	3.2 ***	.30	3.2 **	.31	3.2 ***	.29
		2	Some	12	9	632	16	52	15	4,595	16							
		3	Quite a bit	39	29	1,614	40	143	41	11,414	39							
		4	Very much	79	59	1,657	41	140	40	12,296	42							
		Total		134	100	4,024	100	346	100	29,192	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	9	7	300	7	22	6	1,792	6	3.1	3.0	.10	3.0	.09	3.0	.04
		2	Some	28	21	884	22	77	22	6,144	21							
		3	Quite a bit	43	32	1,478	37	131	38	10,783	37							
		4	Very much	54	40	1,357	34	114	33	10,452	36							
		Total		134	100	4,019	100	344	100	29,171	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	8	6	249	6	15	4	1,758	6	3.0	3.0	-.04	3.0	.00	3.0	.00
		2	Some	34	26	835	21	80	23	6,652	23							
		3	Quite a bit	41	31	1,472	37	140	40	10,725	37							
		4	Very much	50	38	1,462	36	111	32	10,058	34							
		Total		133	100	4,018	100	346	100	29,193	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	5	4	299	7	15	4	2,031	7	3.1	2.9 *	.21	2.9 *	.21	2.9 *	.19
		2	Some	31	23	1,026	25	103	30	7,571	26							
		3	Quite a bit	47	35	1,539	38	128	37	10,910	37							
		4	Very much	51	38	1,161	29	97	28	8,676	30							
		Total		134	100	4,025	100	343	100	29,188	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	14	11	388	10	27	8	2,713	9	2.9	2.8	.07	2.8	.04	2.8	.07
		2	Some	32	24	1,091	27	93	27	8,186	28							
		3	Quite a bit	42	32	1,400	35	134	39	10,030	34							
		4	Very much	45	34	1,148	29	94	27	8,278	28							
		Total		133	100	4,027	100	348	100	29,207	100							

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Your seniors 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	3	2	71	2	3	1	526	2	3.4	3.3	.12	3.3	.19	3.3	.11
		2	Fair	11	8	372	9	38	11	2,865	10							
		3	Good	48	36	1,771	44	166	48	12,335	42							
		4	Excellent	72	54	1,823	45	141	41	13,561	46							
			Total	134	100	4,037	100	348	100	29,287	100							
19. If you could start over again, would you go to the same institution you are now attending?																		
	sameinst	1	Definitely no	3	2	123	3	11	3	1,134	4	3.4	3.3	.11	3.3	.17	3.3	.16
		2	Probably no	9	7	404	10	42	12	3,214	11							
		3	Probably yes	49	37	1,461	36	127	36	10,565	36							
		4	Definitely yes	73	54	2,057	51	168	48	14,418	49							
			Total	134	100	4,045	100	348	100	29,331	100							

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One	76	89	2,667	85	260	87	20,230	82	123	91	3,453	85	297	85	23,651	81
		More than one	9	11	453	15	38	13	4,386	18	12	9	590	15	51	15	5,670	19
		Total	85	100	3,120	100	298	100	24,616	100	135	100	4,043	100	348	100	29,321	100
First major or expected first major, in NSSE's default related-major categories. <i>(This does not reflect any customization made for the Major Field Report.)</i>	MAJfirstcol <i>(Recoded from MAJfirst.)</i>	Arts & Humanities	0	0	42	1	2	1	344	1	1	1	56	1	2	1	474	2
		Biological Sci., Agriculture, & Natural Resources	0	0	13	0	2	1	113	0	0	0	15	0	1	0	134	0
		Physical Sci., Mathematics, & Computer Science	0	0	11	0	1	0	111	0	0	0	10	0	0	0	133	0
		Social Sciences	0	0	27	1	1	0	206	1	0	0	27	1	3	1	291	1
		Business	0	0	24	1	1	0	171	1	0	0	12	0	1	0	164	1
		Communications, Media, & Public Relations	0	0	8	0	0	0	38	0	1	1	4	0	0	0	44	0
		Education	61	72	1,307	42	141	47	13,457	54	104	77	1,771	44	162	46	16,412	56
		Engineering	1	1	2	0	1	0	12	0	1	1	6	0	0	0	17	0
		Health Professions	21	25	1,481	47	137	46	8,976	36	25	19	1,868	46	164	47	10,285	35
		Social Service Professions	1	1	4	0	0	0	49	0	0	0	5	0	0	0	52	0
		All Other	1	1	217	7	14	5	1,274	5	3	2	288	7	18	5	1,456	5
		Undecided, Undeclared	0	0	0	0	1	0	15	0	0	0	0	0	0	0	4	0
		Total	85	100	3,136	100	301	100	24,766	100	135	100	4,062	100	351	100	29,466	100
Second major or expected second major, in NSSE's default related-major categories. <i>(This does not reflect any customization made for the Major Field Report.)</i>	MAJsecondcol <i>(Recoded from MAJsecond.)</i>	Arts & Humanities	2	22	90	20	2	5	650	15	0	0	103	18	7	14	715	13
		Biological Sci., Agriculture, & Natural Resources	0	0	13	3	1	3	67	2	0	0	8	1	0	0	71	1
		Physical Sci., Mathematics, & Computer Science	1	11	13	3	1	3	110	3	0	0	17	3	5	10	113	2
		Social Sciences	1	11	40	9	4	11	400	9	2	18	49	8	4	8	414	7
		Business	2	22	14	3	3	8	169	4	0	0	16	3	1	2	157	3
		Communications, Media, & Public Relations	0	0	7	2	1	3	47	1	0	0	1	0	0	0	40	1
		Education	1	11	129	29	11	30	1,799	41	7	64	201	34	16	31	2,717	48
		Engineering	0	0	2	0	0	0	11	0	0	0	7	1	0	0	11	0
		Health Professions	1	11	95	21	10	27	669	15	2	18	132	23	17	33	900	16
		Social Service Professions	0	0	3	1	1	3	49	1	0	0	4	1	0	0	46	1
		All Other	1	11	30	7	0	0	262	6	0	0	32	5	1	2	302	5
		Undecided, Undeclared	0	0	14	3	3	8	127	3	0	0	14	2	0	0	150	3
		Total	9	100	450	100	37	100	4,360	100	11	100	584	100	51	100	5,636	100
22. What is your class level?	class	Freshman/First-year	68	80	2,840	92	253	87	21,515	88	0	0	5	0	1	0	60	0
		Sophomore	15	18	224	7	33	11	2,339	10	0	0	25	1	0	0	174	1
		Junior	0	0	23	1	6	2	339	1	5	4	348	9	12	3	2,184	7
		Senior	1	1	2	0	0	0	47	0	122	93	3,590	89	327	95	26,065	89
		Unclassified	1	1	3	0	0	0	162	1	4	3	61	2	5	1	650	2
		Total	85	100	3,092	100	292	100	24,402	100	131	100	4,029	100	345	100	29,133	100

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
23. Thinking about this current academic term, are you a full-time student?	fulltime	No	1	1	50	2	5	2	635	3	6	5	500	12	32	9	3,681	13
		Yes	84	99	3,035	98	288	98	23,685	97	122	95	3,505	88	308	91	25,308	87
		Total	85	100	3,085	100	293	100	24,320	100	128	100	4,005	100	340	100	28,989	100
24a. How many courses are you taking for credit this current academic term?	coursenum	0	0	0	5	0	1	0	79	0	2	2	61	2	6	2	682	2
		1	0	0	3	0	1	0	223	1	5	4	357	9	30	9	2,460	8
		2	2	2	16	1	3	1	294	1	50	38	505	13	43	13	3,794	13
		3	0	0	49	2	3	1	581	2	23	18	417	10	46	13	3,060	10
		4	13	15	635	20	38	13	4,734	19	17	13	937	23	63	18	6,308	22
		5	34	40	1,389	45	129	44	9,635	39	20	15	932	23	80	23	6,135	21
		6	27	32	575	19	68	23	5,159	21	4	3	394	10	32	9	3,326	11
		7 or more	9	11	428	14	51	17	3,728	15	10	8	423	11	41	12	3,401	12
		Total	85	100	3,100	100	294	100	24,433	100	131	100	4,026	100	341	100	29,166	100
		b. Of these, how many are entirely online ?	onlinenum	0	53	62	2,225	72	166	57	17,747	73	98	75	2,503	62	143	42
1	25			29	607	20	71	24	4,050	17	19	15	877	22	98	29	6,066	21
2	3			4	179	6	36	12	1,184	5	9	7	373	9	49	14	2,762	10
3	3			4	50	2	11	4	394	2	3	2	128	3	24	7	1,203	4
4	1			1	14	0	6	2	465	2	1	1	57	1	11	3	792	3
5	0			0	10	0	1	0	140	1	1	1	28	1	3	1	346	1
6	0			0	4	0	1	0	133	1	0	0	19	0	3	1	262	1
7 or more	0			0	3	0	1	0	209	1	0	0	26	1	7	2	434	1
Total	85			100	3,092	100	293	100	24,322	100	131	100	4,011	100	338	100	29,042	100
Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum.)	onlinecscol	No courses taken online	53	62	2,225	72	166	57	17,747	73	98	75	2,503	62	143	42	17,177	59
		Some courses taken online	31	36	841	27	120	41	5,242	22	27	21	1,270	32	168	50	8,129	28
		All courses taken online	1	1	26	1	7	2	1,333	5	6	5	238	6	27	8	3,736	13
		Total	85	100	3,092	100	293	100	24,322	100	131	100	4,011	100	338	100	29,042	100
25. What have most of your grades been up to now at this institution?	grades	C- or lower	2	2	35	1	2	1	347	1	0	0	9	0	2	1	70	0
		C	0	0	49	2	4	1	472	2	0	0	30	1	3	1	205	1
		C+	7	8	86	3	14	5	890	4	2	2	77	2	6	2	516	2
		B-	2	2	149	5	28	10	1,340	5	2	2	127	3	18	5	1,003	3
		B	13	15	493	16	46	16	3,733	15	10	8	499	12	44	13	3,459	12
		B+	13	15	529	17	63	21	4,485	18	14	11	646	16	57	17	4,875	17
		A-	15	18	743	24	54	18	5,399	22	24	18	983	24	68	20	6,697	23
		A	33	39	1,014	33	83	28	7,720	32	79	60	1,648	41	143	42	12,274	42
		Total	85	100	3,098	100	294	100	24,386	100	131	100	4,019	100	341	100	29,099	100
26. Did you begin college at this institution or elsewhere?	begincol	Started here	75	89	2,904	94	266	91	21,954	90	47	36	2,490	62	212	62	16,432	57
		Started elsewhere	9	11	184	6	26	9	2,396	10	84	64	1,529	38	129	38	12,651	43
		Total	84	100	3,088	100	292	100	24,350	100	131	100	4,019	100	341	100	29,083	100

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
27. 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	3	4	33	1	9	3	727	3	4	3	127	3	22	7	1,690	6
	attend_com	Community or junior college	8	10	278	9	24	8	2,408	10	83	63	1,585	40	94	28	11,716	40
	attend_col	4-year college or university other than this one	4	5	214	7	33	11	2,318	10	34	26	992	25	87	26	7,567	26
	attend_none	None	67	80	2,538	82	225	77	18,863	78	38	29	1,772	44	159	47	12,109	42
	attend_other	Other	3	4	65	2	4	1	643	3	0	0	63	2	5	1	785	3
28. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree	4	5	205	7	28	10	2,073	9	13	10	232	6	24	7	2,263	8
		Bachelor's degree (B.A., B.S., etc.)	28	33	684	22	70	24	6,485	27	40	31	768	19	59	17	6,596	23
		Master's degree (M.A., M.S., etc.)	29	35	1,391	45	117	40	10,933	45	59	45	1,935	48	175	52	14,130	49
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	23	27	805	26	79	27	4,807	20	19	15	1,084	27	81	24	6,076	21
		Total	84	100	3,085	100	294	100	24,298	100	131	100	4,019	100	339	100	29,065	100
29. What is the highest level of education completed by either of your parents (or those who raised you)?	parented	Did not finish high school	1	1	120	4	7	2	1,066	4	3	2	198	5	13	4	1,590	5
		High school diploma or G.E.D.	17	20	377	12	59	20	4,432	18	35	27	560	14	85	25	5,560	19
		Attended college, but did not complete degree	10	12	308	10	45	15	2,743	11	17	13	366	9	38	11	3,170	11
		Associate's degree (A.A., A.S., etc.)	8	10	258	8	34	12	2,544	10	19	15	328	8	36	11	3,264	11
		Bachelor's degree (B.A., B.S., etc.)	23	28	1,018	33	72	25	7,103	29	29	22	1,289	32	93	28	8,386	29
		Master's degree (M.A., M.S., etc.)	22	27	746	24	66	23	5,124	21	25	19	941	23	55	16	5,545	19
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	2	2	252	8	10	3	1,247	5	2	2	327	8	18	5	1,477	5
		Total	83	100	3,079	100	293	100	24,259	100	130	100	4,009	100	338	100	28,992	100
First-generation status (Neither parent holds a bachelor's degree.)	firstgen (Recoded from parented.)	Not first-generation	47	57	2,016	65	148	51	13,474	56	56	43	2,557	64	166	49	15,408	53
		First-generation	36	43	1,063	35	145	49	10,785	44	74	57	1,452	36	172	51	13,584	47
		Total	83	100	3,079	100	293	100	24,259	100	130	100	4,009	100	338	100	28,992	100
30. What is your gender identity?	genderid	Man	17	20	664	22	64	22	5,104	21	18	14	877	22	59	17	5,997	21
		Woman	64	77	2,390	77	225	77	18,941	78	113	86	3,087	77	276	82	22,734	78
		Another gender identity	2	2	19	1	0	0	133	1	0	0	22	1	2	1	104	0
		I prefer not to respond	0	0	15	0	2	1	141	1	0	0	22	1	1	0	216	1
		Total	83	100	3,088	100	291	100	24,319	100	131	100	4,008	100	338	100	29,051	100
31. Enter your year of birth (e.g., 1994):	agecat (Recoded from the information entered in birthyear.)	19 or younger	76	92	2,950	96	272	93	21,516	89	1	1	19	0	0	0	96	0
		20-23	3	4	100	3	15	5	1,318	5	107	82	3,179	80	262	77	20,115	70
		24-29	2	2	10	0	2	1	461	2	14	11	437	11	42	12	3,987	14
		30-39	2	2	10	0	2	1	575	2	7	5	218	5	23	7	2,613	9
		40-55	0	0	7	0	0	0	322	1	2	2	122	3	12	4	1,840	6
		Over 55	0	0	1	0	0	0	19	0	0	0	20	1	0	0	216	1
		Total	83	100	3,078	100	291	100	24,211	100	131	100	3,995	100	339	100	28,867	100

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
32a. Are you an international student? [If answered "yes"] Country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file.	internat	No	81	100	3,002	97	289	99	23,766	98	130	99	3,938	98	337	99	28,482	98
		Yes	0	0	78	3	2	1	473	2	1	1	62	2	3	1	456	2
		Total	81	100	3,080	100	291	100	24,239	100	131	100	4,000	100	340	100	28,938	100
	countrycol (Recoded from country.)	Africa Sub-Saharan	0	0	3	4	0	0	25	6	0	0	3	6	0	0	20	5
		Asia	0	0	28	39	0	0	112	27	0	0	34	64	0	0	115	30
		Canada	0	0	8	11	0	0	38	9	0	0	3	6	0	0	47	12
		Europe	0	0	15	21	1	50	123	30	0	0	5	9	0	0	75	20
		Latin America and Caribbean	0	0	10	14	1	50	79	19	1	100	6	11	0	0	83	22
		Middle East and North Africa	0	0	5	7	0	0	17	4	0	0	1	2	1	100	24	6
		Oceania	0	0	2	3	0	0	19	5	0	0	1	2	0	0	19	5
Unknown region/uncoded		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	71	100	2	100	413	100	1	100	53	100	1	100	383	100		
33. How would you describe yourself? (Select all that apply.) Racial or ethnic identification	re_amind	American Indian or Alaska Native	0	0	81	3	5	2	534	2	2	2	80	2	3	1	538	2
		Asian	2	2	264	9	7	2	1,176	5	0	0	340	9	5	1	1,358	5
	re_black	Black or African American	2	2	244	8	74	26	2,560	11	2	2	331	8	64	19	2,469	9
		Hispanic or Latina/o	0	0	381	12	12	4	2,983	12	3	2	434	11	10	3	3,411	12
	re_mena	Middle Eastern or N. African (2019)	1	1	13	1	1	1	84	1	0	0	23	1	2	1	87	1
	re_pacific	Native Hawaiian/Other Pac. Islander	0	0	37	1	4	1	276	1	0	0	30	1	1	0	260	1
	re_white	White	80	96	2,324	76	205	71	18,304	76	128	98	3,000	75	256	76	21,943	76
	re_another	Another race or ethnicity (2019)	0	0	13	1	2	1	133	1	0	0	17	1	0	0	146	1
	re_other	Other (2018)	0	0	16	2	0	0	144	2	0	0	16	1	0	0	185	2
	re_pnr	I prefer not to respond	0	0	31	1	3	1	377	2	0	0	75	2	7	2	719	2
	re_all19 (Items re_amind to re_pnr recoded where each student is represented only once)	American Indian or Alaska Native	0	0	24	1	0	0	143	1	0	0	29	1	1	0	164	1
		Asian	1	1	210	7	4	1	804	3	0	0	263	7	4	1	982	3
		Black or African American	2	2	171	6	65	22	1,954	8	2	2	252	6	60	18	1,981	7
		Hispanic or Latina/o	0	0	238	8	5	2	1,979	8	1	1	295	7	8	2	2,482	9
		Middle Eastern or N. African (2019)	0	0	6	0	0	0	34	0	0	0	15	0	2	1	41	0
		Native Hawaiian/Other Pac. Islander	0	0	10	0	2	1	101	0	0	0	7	0	0	0	89	0
		White	78	94	2,070	68	191	66	16,588	69	124	95	2,729	68	246	73	20,357	70
Another race or ethnicity (2019)		0	0	8	0	1	0	59	0	0	0	8	0	0	0	82	0	
Other (2018)		0	0	9	0	0	0	96	0	0	0	9	0	0	0	105	0	
Total	83	100	3,066	100	290	100	24,200	100	131	100	3,992	100	338	100	28,915	100		
34. Are you a member of a social fraternity or sorority?	greek	No	73	88	2,438	79	258	88	21,750	90	115	88	3,127	78	286	85	25,322	87
		Yes	10	12	643	21	34	12	2,509	10	16	12	876	22	51	15	3,689	13
		Total	83	100	3,081	100	292	100	24,259	100	131	100	4,003	100	337	100	29,011	100

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
35. Which of the following best describes where you are living while attending college?	living18	Campus housing (other than a fraternity or sorority house)	39	47	2,305	75	188	65	16,550	68	4	3	348	9	51	15	4,836	17
		Fraternity or sorority house	0	0	58	2	0	0	161	1	0	0	93	2	8	2	347	1
		House, apartment, or other residence within walking distance to campus	18	22	177	6	18	6	1,150	5	24	18	1,385	35	70	21	6,283	22
		House, apartment, or other residence farther than walk. dist. to campus	26	31	516	17	82	28	5,207	22	98	75	2,028	51	191	57	14,699	51
		Not applicable: No campus, entirely online program, etc.	0	0	10	0	2	1	1,045	4	5	4	123	3	14	4	2,629	9
		Not applicable: Homeless or in transition	0	0	2	0	0	0	57	0	0	0	8	0	1	0	75	0
		Total	83	100	3,068	100	290	100	24,170	100	131	100	3,985	100	335	100	28,869	100
36. Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	75	90	2,879	94	267	91	20,672	85	126	96	3,841	96	321	96	26,359	91
		Yes	8	10	193	6	25	9	3,558	15	5	4	151	4	14	4	2,549	9
		Total	83	100	3,072	100	292	100	24,230	100	131	100	3,992	100	335	100	28,908	100
37. Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No	82	99	3,051	99	286	99	23,964	99	131	100	3,878	97	333	99	27,869	96
		Yes	1	1	19	1	3	1	239	1	0	0	106	3	5	1	1,022	4
		Total	83	100	3,070	100	289	100	24,203	100	131	100	3,984	100	338	100	28,891	100
38a. Have you been diagnosed with any disability or impairment?	disability	No	72	87	2,610	85	251	86	20,476	84	120	92	3,390	85	308	91	24,791	86
		Yes	10	12	395	13	35	12	3,055	13	9	7	521	13	27	8	3,441	12
		I prefer not to respond	1	1	68	2	5	2	711	3	2	2	89	2	4	1	752	3
		Total	83	100	3,073	100	291	100	24,242	100	131	100	4,000	100	339	100	28,984	100
b. [If answered "yes"] Which of the following has been diagnosed? (Select all that apply.)	dis_sense dis_mobility dis_learning dis_mental dis_other	A sensory impairment (vision or hearing)	2	20	48	12	8	24	382	13	2	22	50	10	4	15	423	12
		A mobility impairment	0	0	21	5	3	9	163	5	2	22	35	7	4	15	260	8
		A learning disability (e.g., ADHD, dyslexia)	4	40	156	40	11	32	1,314	43	2	22	203	39	8	30	1,434	42
		A mental health disorder	2	20	213	54	12	35	1,428	47	2	22	246	47	13	48	1,519	44
		A disability or impairment not listed above	3	30	60	15	5	15	478	16	3	33	99	19	10	37	666	19
		Disability or impairment	disability_all (Items dis_sense to dis_other recoded where each student is represented only once.)	2	2	28	1	6	2	232	1	2	2	28	1	2	1	235
	A mobility impairment	0	0	11	0	1	0	87	0	0	0	18	0	0	0	122	0	
	A learning disability	4	5	98	3	9	3	864	4	2	2	136	3	4	1	974	3	
	A mental health disorder	1	1	144	5	10	3	928	4	1	1	167	4	8	2	960	3	
	A disability or impairment not listed	2	2	22	1	4	1	291	1	2	2	69	2	6	2	403	1	
	More than one disability or impairment	1	1	90	3	4	1	630	3	2	2	101	3	7	2	727	3	
	No disability or impairment	72	87	2,610	85	251	87	20,476	85	120	92	3,390	85	308	91	24,791	86	
	Prefer not to respond	1	1	68	2	5	2	711	3	2	2	89	2	4	1	752	3	
	Total	83	100	3,071	100	290	100	24,219	100	131	100	3,998	100	339	100	28,964	100	

NSSE 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
39. Which of the following best describes your sexual orientation?	sexorient17	Straight (heterosexual)	75	90	2,688	87	262	89	21,233	88	126	96	3,568	89	306	90	25,859	89	
		Bisexual	4	5	176	6	18	6	1,290	5	4	3	187	5	11	3	1,073	4	
		Gay	2	2	36	1	3	1	248	1	0	0	43	1	3	1	290	1	
		Lesbian	1	1	31	1	1	0	222	1	0	0	26	1	4	1	255	1	
		Queer	0	0	23	1	2	1	134	1	0	0	33	1	1	0	138	0	
		Questioning or unsure	0	0	43	1	3	1	241	1	0	0	20	1	2	1	148	1	
		Another sexual orientation	0	0	19	1	1	0	218	1	0	0	25	1	2	1	184	1	
		I prefer not to respond	1	1	58	2	3	1	663	3	1	1	98	2	10	3	1,029	4	
Total			83	100	3,074	100	293	100	24,249	100	131	100	4,000	100	339	100	28,976	100	
Institution-reported information (Variables provided by your institution in your NSSE population file.)																			
Institution-reported: Sex	IRsex19	Female	67	79	2,459	78	234	78	19,484	79	115	85	3,154	78	289	82	23,242	79	
		Male	18	21	677	22	67	22	5,270	21	20	15	907	22	62	18	6,213	21	
		Another	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
		Total			85	100	3,136	100	301	100	24,765	100	135	100	4,061	100	351	100	29,470
Institution-reported: Race or ethnicity	IRrace	American Indian or Alaska Native	0	0	25	1	0	0	135	1	0	0	25	1	1	0	161	1	
		Asian	1	1	162	6	4	1	674	3	0	0	214	6	4	1	875	3	
		Black or African American	2	2	163	6	69	23	1,877	8	2	1	241	7	61	17	1,879	7	
		Hispanic or Latino	0	0	333	12	15	5	2,752	12	0	0	421	11	11	3	3,155	12	
		Native Hawaiian/Other Pac. Islander	0	0	4	0	0	0	109	0	0	0	6	0	0	0	96	0	
		White	78	92	1,897	68	200	66	15,375	67	129	96	2,512	68	261	74	18,771	69	
		Other	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7	0	
		Foreign or nonresident	0	0	53	2	3	1	316	1	0	0	55	1	2	1	352	1	
		Two or more races/ethnicities	4	5	143	5	7	2	853	4	3	2	172	5	3	1	854	3	
Total			85	100	2,808	100	301	100	22,862	100	135	100	3,684	100	351	100	27,060	100	
Institution-reported: Class level	IRclass	Freshman/First-Year	85	100	3,137	100	301	100	24,768	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	135	100	4,062	100	351	100	29,471	100	
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Total			85	100	3,137	100	301	100	24,768	100	135	100	4,062	100	351	100	29,471
Institution-reported: First-time first-year (FTFY) student	IRftfy	Not first-time first-year	14	16	360	11	26	9	3,200	13	135	100	4,062	100	351	100	29,145	99	
		First-time first-year	71	84	2,777	89	272	91	21,565	87	0	0	0	0	0	0	326	1	
		Total			85	100	3,137	100	298	100	24,765	100	135	100	4,062	100	351	100	29,471
Institution-reported: Enrollment status	IREnrollment	Not full-time	2	2	68	2	5	2	652	3	4	3	440	11	28	8	3,431	12	
		Full-time	83	98	3,069	98	296	98	24,116	97	131	97	3,622	89	323	92	26,040	88	
		Total			85	100	3,137	100	301	100	24,768	100	135	100	4,062	100	351	100	29,471

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 Ns 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. Percentage point differences (institution – comp. group) rounded to whole numbers. Values less than one may not display a bar and may be shown as +0 or -0.
 $*p < .05$, $**p < .01$, $***p < .001$ (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.M., & Gonyea, R.M. (2018). Contextualizing effect sizes in the National Survey of Student Engagement: An empirical analysis. *Research & Practice in Assessment*, 13 (Summer/Fall), pp. 22-38.