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# NSSE 2016

## Frequencies and Statistical Comparisons

Tennessee Technological University

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# NSSE 2016 Frequencies and Statistical Comparisons

## About This Report

The *Frequencies and Statistical Comparisons* report presents item-by-item student responses and statistical comparisons that allow you to examine patterns of similarity and difference between your students and those at your comparison group institutions. The report uses information from all randomly selected or census-administered students. The display below highlights important details in the report to keep in mind when interpreting your results. For more information please visit our website ([nsse.indiana.edu](http://nsse.indiana.edu)) or contact a member of the NSSE team.

1. **Class level:** As reported by your institution.
2. **Item numbers:** Numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.


3. **Item wording and variable names:** Survey items are in the same order and wording as they appear on the instrument. Variable names are included for easy reference to your data file and codebook.

4. **Values and response options:** Values are used to calculate means. Response options are worded as they appear on the instrument.

5. **Count and column percentage (%):** The Count column contains the number of students who selected the corresponding response option. The column percentage is the weighted percentage of students selecting the corresponding response option.

**Note:** Column percentages and statistics are weighted by institution-reported sex and enrollment status. Comparison group statistics are also weighted by institutional size. Counts are unweighted and cannot be used to replicate column percentages. For details visit: [nsse.indiana.edu/html/weighting.cfm](http://nsse.indiana.edu/html/weighting.cfm)

6. **Statistical comparisons:** Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (\* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$ ). Significance levels indicate the probability that an observed difference is due to chance. Statistical significance does not guarantee the result is substantive or important. Large sample sizes tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. Consult effect sizes (see #7) to judge the practical meaning of differences. Unless otherwise noted, statistical comparisons are two-tailed independent  $t$ -tests. Exceptions are items 11 a-f which are compared using a  $z$ -test.



### NSSE 2016 Frequencies and Statistical Comparisons

NSSEville State University

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>									
				NSSEville State				GLC Peers				Carnegie Peers				Your seniors compared with					
				NSSEville State				GLC Peers				Carnegie Peers				NSSE 2015 & 2016		NSSE 2015 & 2016		NSSE 2015 & 2016	
Item wording or description	Variable name <sup>c</sup>	Values <sup>e</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>f</sup>	Mean	Effect size <sup>f</sup>	Mean	Effect size <sup>f</sup>	
<b>6. During the current school year, about how often have you done the following?</b>																					
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	3	0	244	2	54	2	6,952	3			3.3	3.0 ***	.27	3.0 ***	.35	2.9 ***	.43	
		2	Sometimes	17	20	4,397	27	845	29	75,222	33										
		3	Often	212	33	5,947	37	1,086	38	81,724	35										
		4	Very often	280	46	5,440	34	889	31	66,983	29										
			Total	630	100	16,028	100	2,874	100	230,881	100										
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	82	13	2,369	14	401	14	35,490	16			2.5	2.5	-.04	2.6 *	-.09	2.6	-.05	
		2	Sometimes	267	42	5,959	37	978	34	79,495	34										
		3	Often	164	26	4,548	29	1,188	41	57,348	29										
		4	Very often	113	19	2,072	13	611	21	47,208	21										
			Total	626	100	15,411	100	2,858	100	229,541	100										
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	25	4	778	5	134	5	12,543	6			3.1	3.1	.02	3.1	-.04	3.0	.06	
		2	Sometimes	56	9	1,666	11	262	10	28,134	13										
		3	Often	384	63	9,147	57	1,586	57	128,802	56										
		4	Very often	150	24	4,267	27	851	29	58,873	26										
			Total	615	100	15,858	100	2,833	100	228,352	100										

7. **Effect size:** Effect size indicates practical significance. An effect size of .2 is often considered small, .5 moderate, and .8 large. A positive effect size indicates that your institution's mean was greater than that of the comparison group, thus showing a favorable result for your institution. A negative effect size indicates your institution lags behind the comparison group, suggesting that the student behavior or institutional practice represented by the item may warrant attention. Effect sizes for independent  $t$ -tests use Cohen's  $d$ ;  $z$ -tests use Cohen's  $h$ . Cohen's  $d$  is calculated by dividing the mean difference by the pooled standard deviation. Cohen's  $h$  is calculated by taking the difference in the proportion of students who responded "Done or in progress" after the proportion has been transformed using a non-linear (arcsine) transformation. See: Cohen, J. (1988). *Statistical power analysis for the behavioral sciences (2nd edition)*. New York: Psychology Press.

8. **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.

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your first-year students compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>1. During the current school year, about how often have you done the following?</b>																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	14	3	903	3	98	5	6,440	3	<b>2.7</b>	3.0 *** ▽	-.26	2.9 ** ▽	-.17	2.9 ** ▽	-.17
		2	Sometimes	142	40	8,896	30	648	32	72,005	34							
		3	Often	125	37	9,438	34	639	34	76,152	35							
		4	Very often	71	20	8,057	33	527	30	59,549	28							
		Total		352	100	27,294	100	1,912	100	214,146	100							
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	74	21	4,102	15	338	17	33,260	16	<b>2.4</b>	2.6 *** ▽	-.21	2.6 ** ▽	-.17	2.5 * ▽	-.11
		2	Sometimes	117	33	8,831	31	559	29	73,592	34							
		3	Often	94	27	8,051	30	561	29	62,940	30							
		4	Very often	65	18	6,067	24	441	24	42,614	20							
		Total		350	100	27,051	100	1,899	100	212,406	100							
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	17	5	1,477	6	84	5	11,300	6	<b>3.1</b>	3.1	.02	3.1	.02	3.0 * △	.11
		2	Often	33	10	3,172	11	203	11	26,445	13							
		3	Sometimes	190	54	14,264	51	1,021	54	118,461	55							
		4	Never	108	31	7,999	32	579	30	55,120	26							
		Total		348	100	26,912	100	1,887	100	211,326	100							
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	69	20	10,850	44	644	35	73,385	38	<b>2.2</b>	1.9 *** ▲	.39	2.0 *** ▲	.20	2.0 *** ▲	.28
		2	Sometimes	170	47	9,774	35	729	38	81,730	38							
		3	Often	83	25	3,875	14	342	17	35,346	16							
		4	Very often	28	9	2,268	8	173	10	19,912	9							
		Total		350	100	26,767	100	1,888	100	210,373	100							
e. Asked another student to help you understand course material	CLaskhelp	1	Never	15	5	3,353	15	198	11	17,594	10	<b>2.8</b>	2.4 *** ▲	.36	2.6 ** ▲	.17	2.6 *** ▲	.22
		2	Sometimes	119	33	10,362	40	684	37	79,547	39							
		3	Often	144	42	8,392	29	594	31	73,471	33							
		4	Very often	71	20	4,595	16	401	21	39,197	18							
		Total		349	100	26,702	100	1,877	100	209,809	100							
f. Explained course material to one or more students	CLexplain	1	Never	15	5	1,969	9	99	5	9,640	6	<b>2.8</b>	2.6 *** ▲	.19	2.8	-.01	2.7	.07
		2	Sometimes	113	32	10,054	39	651	35	76,046	37							
		3	Often	155	44	9,739	35	715	37	82,610	38							
		4	Very often	64	19	4,810	17	410	23	40,567	19							
		Total		347	100	26,572	100	1,875	100	208,863	100							
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	39	11	4,935	21	297	16	28,464	16	<b>2.7</b>	2.4 ***	.26	2.5	.11	2.5 *	.13
		2	Sometimes	125	35	9,104	35	640	34	72,331	35							
		3	Often	105	31	7,461	27	541	28	64,851	30							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your first-year students compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
		4	Very often	79	23	5,015	17	390	21	42,953	20							
			Total	348	100	26,515	100	1,868	100	208,599	100							
h. Worked with other students on course projects or assignments	CLproject	1	Never	19	5	2,451	10	164	9	14,916	9	2.7	2.6	.08	2.6	.04	2.6	.05
		2	Sometimes	131	37	10,043	38	716	38	78,275	38							
		3	Often	143	43	8,993	33	604	31	74,917	35							
		4	Very often	52	15	4,941	19	372	21	39,482	18							
			Total	345	100	26,428	100	1,856	100	207,590	100							
i. Given a course presentation	present	1	Never	69	20	4,934	21	427	22	35,953	19	2.2	2.3	-.09	2.2	-.02	2.3	-.08
		2	Sometimes	158	45	10,940	40	810	43	91,277	43							
		3	Often	93	27	7,082	26	396	22	54,881	26							
		4	Very often	28	8	3,399	13	227	13	24,721	12							
			Total	348	100	26,355	100	1,860	100	206,832	100							
<b>2. During the current school year, about how often have you done the following?</b>																		
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	32	10	2,044	8	185	9	13,854	7	2.5	2.6 ***	-.18	2.6 *	-.12	2.6 ***	-.19
		2	Sometimes	150	44	9,675	37	738	40	77,008	38							
		3	Often	113	33	9,226	35	577	32	74,883	37							
		4	Very often	43	13	4,701	19	308	18	36,348	18							
			Total	338	100	25,646	100	1,808	100	202,093	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	40	12	2,170	9	211	12	16,156	9	2.4	2.7 ***	-.26	2.6 **	-.16	2.6 ***	-.23
		2	Sometimes	148	45	9,407	36	687	38	75,798	38							
		3	Often	110	33	9,051	35	615	33	73,023	36							
		4	Very often	37	11	4,781	20	285	17	35,547	18							
			Total	335	100	25,409	100	1,798	100	200,524	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	45	13	2,452	11	222	12	18,677	10	2.4	2.6 ***	-.27	2.6 ***	-.22	2.6 ***	-.24
		2	Sometimes	150	47	9,298	37	696	38	76,522	38							
		3	Often	107	31	8,735	33	559	31	68,919	34							
		4	Very often	33	10	4,890	20	311	19	35,930	18							
			Total	335	100	25,375	100	1,788	100	200,048	100							
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	19	6	1,170	5	115	6	9,297	5	2.7	2.8 ***	-.21	2.8 *	-.12	2.8 *	-.14
		2	Sometimes	121	35	7,762	30	598	33	63,807	32							
		3	Often	149	46	10,700	42	669	37	85,866	43							
		4	Very often	43	14	5,623	23	395	23	40,256	21							
			Total	332	100	25,255	100	1,777	100	199,226	100							
e. Tried to better	RIperspect	1	Never	8	2	849	4	77	5	6,534	4							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your first-year students compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
understand someone else's views by imagining how an issue looks from his or her perspective	Rnewview	2	Sometimes	117	35	6,771	26	495	28	56,214	28	2.7	2.9 ***	-.23	2.9 ***	-.19	2.9 **	-.18
		3	Often	155	47	10,861	43	722	40	86,652	43							
		4	Very often	51	15	6,690	27	474	27	49,119	25							
		Total		331	100	25,171	100	1,768	100	198,519	100							
		Total		331	100	25,171	100	1,768	100	198,519	100							
Learned something that changed the way you understand an issue or concept	Rnewview	1	Never	13	3	811	4	71	4	5,800	3	2.7	2.9 ***	-.19	2.8 *	-.12	2.9 **	-.16
		2	Sometimes	112	35	7,376	30	581	32	59,842	31							
		3	Often	151	46	10,701	42	699	39	85,646	43							
		4	Very often	54	15	6,187	25	411	24	46,441	23							
		Total		330	100	25,075	100	1,762	100	197,729	100							
Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	5	1	428	2	45	3	2,781	2	3.0	3.1 **	-.14	3.0	-.06	3.1 *	-.11
		2	Sometimes	74	23	5,393	21	425	24	41,748	22							
		3	Often	174	52	11,063	43	760	42	91,420	46							
		4	Very often	78	23	8,085	33	521	31	60,905	31							
		Total		331	100	24,969	100	1,751	100	196,854	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	72	23	5,715	25	428	24	40,221	22	2.2	2.2	.00	2.2	-.05	2.2	-.04
		2	Sometimes	159	46	10,999	44	738	41	89,787	45							
		3	Often	67	20	5,346	20	367	21	44,550	22							
		4	Very often	34	11	2,903	11	216	13	22,434	11							
		Total		332	100	24,963	100	1,749	100	196,992	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	154	47	13,219	56	859	49	96,322	51	1.8	1.7 **	.17	1.8	.01	1.8	.10
		2	Sometimes	104	31	6,894	26	508	28	60,888	30							
		3	Often	47	14	3,105	12	231	13	26,087	13							
		4	Very often	25	8	1,667	7	148	9	13,050	7							
		Total		330	100	24,885	100	1,746	100	196,347	100							
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	126	37	9,159	40	641	35	61,555	33	1.9	1.9	.03	2.0	-.08	2.0	-.06
		2	Sometimes	126	39	9,702	37	660	39	83,388	41							
		3	Often	52	17	4,093	16	272	16	35,692	18							
		4	Very often	23	7	1,887	8	159	10	15,288	8							
		Total		327	100	24,841	100	1,732	100	195,923	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	72	23	6,496	27	452	24	46,230	25	2.1	2.1	-.01	2.2 *	-.12	2.1	-.03
		2	Sometimes	172	51	11,099	44	727	42	91,147	46							
		3	Often	62	19	4,945	20	362	21	40,693	20							
		4	Very often	23	7	2,259	9	191	12	17,502	9							
		Total		327	100	24,841	100	1,732	100	195,923	100							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options Total	NSSE 2015 & 2016								Your first-year students compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
<b>4. During the current school year, how much has your coursework emphasized the following?</b>																		
a. Memorizing course material	memorize	1	Very little	4	1	1,154	5	67	4	7,459	4	<b>3.1</b>	2.9 ***	.23	2.9 **	.17	2.9 ***	.18
		2	Some	66	20	6,230	26	459	26	48,183	25							
		3	Quite a bit	153	48	10,587	42	733	43	86,241	44							
		4	Very much	106	31	6,824	26	475	28	54,035	27							
		Total		329	100	24,795	100	1,734	100	195,918	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	8	2	989	4	94	5	6,615	4	<b>3.0</b>	2.9	.04	2.9	.09	3.0	.02
		2	Some	85	25	6,100	25	439	26	46,163	24							
		3	Quite a bit	145	44	10,876	44	713	41	88,379	45							
		4	Very much	91	28	6,716	28	477	28	53,889	27							
		Total		329	100	24,681	100	1,723	100	195,046	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	14	4	984	4	87	5	6,920	4	<b>2.9</b>	3.0 *	-.13	2.9	-.04	3.0 *	-.12
		2	Some	93	29	6,027	24	498	28	47,087	25							
		3	Quite a bit	145	44	10,304	42	644	38	84,018	43							
		4	Very much	75	23	7,245	30	491	29	56,073	29							
		Total		327	100	24,560	100	1,720	100	194,098	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	18	6	905	4	88	5	7,498	4	<b>2.8</b>	3.0 ***	-.25	2.9 *	-.13	2.9 ***	-.19
		2	Some	98	31	5,943	24	480	28	49,543	26							
		3	Quite a bit	148	44	10,736	43	719	42	85,218	44							
		4	Very much	63	20	6,963	29	431	25	51,812	26							
		Total		327	100	24,547	100	1,718	100	194,071	100							
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	26	9	1,086	5	107	6	8,245	5	<b>2.7</b>	2.9 ***	-.27	2.8 *	-.15	2.9 ***	-.24
		2	Some	104	31	6,428	26	502	29	51,066	27							
		3	Quite a bit	132	40	10,363	42	696	40	83,896	43							
		4	Very much	64	19	6,647	28	412	25	50,435	26							
		Total		326	100	24,524	100	1,717	100	193,642	100							
<b>5. During the current school year, to what extent have your instructors done the following?</b>																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	6	2	619	3	53	4	3,837	2	<b>3.1</b>	3.1	-.02	3.1	-.04	3.1	-.03
		2	Some	58	18	4,652	19	343	20	36,002	19							
		3	Quite a bit	161	49	10,589	41	646	37	88,583	45							
		4	Very much	101	31	8,808	36	675	39	66,310	34							
		Total		326	100	24,668	100	1,717	100	194,732	100							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your first-year students compared with							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>			
b. Taught course sessions in an organized way	ETorganize	1	Very little	9	3	948	5	93	6	5,672	3	<b>3.1</b>	3.0	.04	3.0	.10	3.1	.03	
		2	Some	44	15	4,834	20	374	22	37,507	20								
		3	Quite a bit	178	53	10,586	42	685	38	89,361	45								
		4	Very much	96	29	8,245	34	562	33	61,776	32								
		Total		327	100	24,613	100	1,714	100	194,316	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	7	2	990	5	82	5	6,070	4	<b>3.1</b>	3.0	.08	3.0	.07	3.1	.05	
		2	Some	56	18	5,207	22	370	23	39,422	21								
		3	Quite a bit	157	47	9,760	38	631	37	81,434	41								
		4	Very much	106	32	8,602	35	624	36	66,949	34								
		Total		326	100	24,559	100	1,707	100	193,875	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	34	11	1,903	9	140	8	13,764	8	<b>2.6</b>	2.9 ***	-0.26	2.9 ***	-0.24	2.9 ***	-0.23	
		2	Some	111	34	6,452	26	468	27	53,308	28								
		3	Quite a bit	116	35	8,539	34	598	34	70,911	36								
		4	Very much	65	20	7,628	32	499	31	55,813	29								
		Total		326	100	24,522	100	1,705	100	193,796	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	28	8	2,140	9	156	9	15,475	8	<b>2.7</b>	2.8	-0.07	2.8	-0.03	2.8	-0.04	
		2	Some	93	30	7,133	29	540	31	58,020	30								
		3	Quite a bit	139	41	8,720	35	589	34	72,444	37								
		4	Very much	64	21	6,437	28	418	26	47,249	25								
		Total		324	100	24,430	100	1,703	100	193,188	100								
<b>6. During the current school year, about how often have you done the following?</b>																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	32	9	3,468	14	204	12	24,554	12	<b>2.6</b>	2.6	.08	2.6	.03	2.6	.04	
		2	Sometimes	122	36	8,671	35	599	35	69,072	35								
		3	Often	124	39	8,287	33	591	34	67,829	35								
		4	Very often	48	16	4,175	18	316	19	32,792	18								
		Total		326	100	24,601	100	1,710	100	194,247	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	72	20	5,574	22	378	21	41,347	21	<b>2.3</b>	2.3	-0.02	2.3	-0.03	2.3	-0.03	
		2	Sometimes	134	41	9,521	38	675	40	77,213	39								
		3	Often	90	29	6,414	26	425	25	52,239	27								
		4	Very often	30	10	3,042	14	231	14	23,077	13								
		Total		326	100	24,551	100	1,709	100	193,876	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	61	18	5,501	23	406	24	39,131	20	<b>2.3</b>	2.3	-0.02	2.3	-0.03	2.3	-0.03	
		2	Sometimes	153	46	9,968	40	664	39	80,783	41								

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

### Frequency Distributions<sup>a</sup>

### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description numerical information	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016										Your first-year students compared with					
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
		3	Often	90	29	6,347	26	450	26	52,622	27	<b>2.3</b>	2.3	-.01	2.3	.00	2.3	-.04	
		4	Very often	22	7	2,686	12	187	12	20,827	11								
			Total	326	100	24,502	100	1,707	100	193,363	100								
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)</b>																			
a. Up to 5 pages	wrshortnum	0	None	42	14	1,161	6	183	11	7,600	5	<b>4.7</b>							
	(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	78	29	4,085	19	342	22	32,484	19								
		4	3-5	80	28	7,070	32	506	33	56,401	32								
		8	6-10	56	19	5,573	24	321	21	45,058	25								
		13	11-15	21	7	2,330	10	112	7	19,254	10								
		18	16-20	5	2	1,071	5	39	3	8,736	5								
		23	More than 20	5	2	1,188	5	49	3	9,268	5								
			Total	287	100	22,478	100	1,552	100	178,801	100								
b. Between 6 and 10 pages	wrmednum	0	None	175	60	7,629	37	773	51	55,494	33	<b>1.5</b>							
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	66	23	8,016	35	445	29	71,517	40								
		4	3-5	23	9	3,960	18	170	11	32,176	18								
		8	6-10	15	6	1,636	8	90	6	11,094	6								
		13	11-15	2	1	371	2	20	1	2,546	2								
		18	16-20	2	1	119	1	8	1	803	0								
		23	More than 20	1	1	127	1	4	0	767	1								
			Total	284	100	21,858	100	1,510	100	174,397	100								
c. 11 pages or more	wrlongnum	0	None	248	88	16,474	77	1,247	83	129,610	76	<b>.8</b>							
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	18	6	3,322	15	134	9	29,881	17								
		4	3-5	4	2	712	3	45	3	5,332	3								
		8	6-10	6	3	422	2	35	3	2,767	2								
		13	11-15	3	1	257	1	20	2	1,524	1								
		18	16-20	0	0	104	1	5	0	574	0								
		23	More than 20	2	1	127	1	4	0	823	1								
			Total	281	100	21,418	100	1,490	100	170,511	100								
Estimated number of assigned pages of student writing.	wrpages											<b>37.2</b>							
	(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)																		

### 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 different from your own	DDrace	1	Never	6	2	1,249	6	88	6	8,340	5	
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\*p<.05, \*\*p<.01, \*\*\*p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.



# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016														
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
ethnicity other than your own		2	Sometimes	90	31	5,081	22	361	23	42,568	23	<b>3.0</b>	3.1	-.09	3.1	-.07	3.1	-.08
		3	Often	96	33	6,754	29	482	31	55,383	31							
		4	Very often	98	34	9,612	43	629	41	73,983	41							
		Total		290	100	22,696	100	1,560	100	180,274	100							
b. People from an economic background other than your own	DDeconomic	1	Never	11	4	1,247	6	96	6	8,047	5	<b>3.0</b>	3.0	-.07	3.0	-.02	3.1	-.08
		2	Sometimes	68	25	5,100	22	379	24	40,391	23							
		3	Often	126	42	7,562	33	515	33	62,580	34							
		4	Very often	86	30	8,709	39	561	37	68,711	38							
Total		291	100	22,618	100	1,551	100	179,729	100									
c. People with religious beliefs other than your own	DDreligion	1	Never	12	4	1,734	9	130	9	11,855	7	<b>2.9</b>	2.9	-.06	2.9	.00	3.0	-.10
		2	Sometimes	90	31	6,165	26	438	28	46,094	25							
		3	Often	105	37	6,605	29	446	28	54,964	31							
		4	Very often	84	28	8,089	37	540	35	66,687	37							
Total		291	100	22,593	100	1,554	100	179,600	100									
d. People with political views other than your own	DDpolitical	1	Never	9	3	1,754	9	135	9	11,472	7	<b>3.0</b>	2.9	.03	2.9	.07	3.0	.00
		2	Sometimes	84	29	5,885	25	403	26	46,080	25							
		3	Often	103	35	7,092	31	472	30	58,018	32							
		4	Very often	93	32	7,783	36	535	35	63,432	36							
Total		289	100	22,514	100	1,545	100	179,002	100									

#### 9. During the current school year, about how often have you done the following?

a. Identified key information from reading assignments	LSreading	1	Never	11	4	414	2	41	3	2,812	2	<b>2.9</b>	3.1 ***	-.28	3.0 *	-.15	3.1 ***	-.24
		2	Sometimes	70	25	4,495	19	357	23	34,090	20							
		3	Often	133	47	9,664	42	652	42	79,709	44							
		4	Very often	73	25	7,914	37	483	33	62,155	34							
Total		287	100	22,487	100	1,533	100	178,766	100									
b. Reviewed your notes after class	LSnotes	1	Never	8	2	1,095	5	44	3	8,440	5	<b>3.1</b>	3.0 *	.13	3.1	.01	2.9 **	.19
		2	Sometimes	63	23	6,132	26	361	23	51,659	29							
		3	Often	105	37	7,575	33	541	35	60,903	34							
		4	Very often	110	37	7,617	35	584	38	57,372	32							
Total		286	100	22,419	100	1,530	100	178,374	100									
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	12	4	1,350	6	81	5	10,867	6	<b>2.9</b>	2.9	.05	2.9	.02	2.8 *	.12
		2	Sometimes	79	28	6,482	28	410	27	53,493	30							
		3	Often	104	38	8,080	36	573	37	64,775	37							
		4	Very often	90	31	6,327	30	452	31	47,747	27							
Total		285	100	22,239	100	1,516	100	176,882	100									

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

### Frequency Distributions<sup>a</sup>

### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup> Response options Total	NSSE 2015 & 2016								Your first-year students compared with							
			Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016				
			Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>			
<b>10. During the current school year, to what extent have your courses challenged you to do your best work?</b>																		
	challenge	1 Not at all	0	0	157	1	18	1	848	1	<b>5.7</b>	5.6	.06	5.5	.08	5.5	.10	
		2	3	1	224	1	18	1	1,648	1								
		3	6	2	732	3	53	4	5,274	3								
		4	31	11	2,300	10	165	11	17,629	10								
		5	80	28	6,911	30	438	28	58,088	32								
		6	96	34	6,264	27	410	27	54,393	30								
		7 Very much	71	24	5,814	28	426	28	40,438	23								
		Total	287	100	22,402	100	1,528	100	178,318	100								
<b>11. Which of the following have you done or do you plan to do before you graduate?<sup>f</sup></b>																		
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	Have not decided	37	15	2,594	14	196	13	18,462	12	<b>6%</b>	9%	-.11	9%	-.12	9%	-.10	
		Do not plan to do	6	2	1,230	7	93	6	7,282	5								
		Plan to do	225	77	16,624	70	1,104	72	136,732	75								
		Done or in progress	17	6	1,912	9	128	9	15,492	9								
		Total	285	100	22,360	100	1,521	100	177,968	100								
b. Hold a formal leadership role in a student organization or group	leader	Have not decided	79	28	6,312	29	390	25	47,851	27	<b>10%</b>	10%	.00	9%	.03	12%	-.05	
		Do not plan to do	76	27	5,551	27	389	26	39,454	24								
		Plan to do	99	35	8,068	33	598	39	68,826	37								
		Done or in progress	29	10	2,354	10	135	9	21,205	12								
		Total	283	100	22,285	100	1,512	100	177,336	100								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom	Have not decided	117	41	7,107	32	460	29	56,226	31	<b>8%</b>	14% **	-0.20	17% ***	-0.28	15% **	-0.22	
		Do not plan to do	82	30	5,600	27	381	25	46,188	27								
		Plan to do	59	21	6,346	27	451	29	48,205	27								
		Done or in progress	24	8	3,183	14	223	17	26,300	15								
		Total	282	100	22,236	100	1,515	100	176,919	100								
d. Participate in a study abroad program	abroad	Have not decided	93	32	6,464	29	455	29	48,174	28	<b>4%</b>	3%	.05	3%	.05	4%	.04	
		Do not plan to do	98	38	6,693	33	507	32	45,377	28								
		Plan to do	79	25	8,339	34	508	35	77,112	41								
		Done or in progress	11	4	717	3	41	3	6,172	4								
		Total	281	100	22,213	100	1,511	100	176,835	100								
e. Work with a faculty research	research	Have not decided	113	41	8,583	39	579	37	66,130	37								

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Tennessee Tech				Carnegie Class				THEC Peer Group				NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
member on a research project	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		Do not plan to do	66	22	5,660	26	389	26	40,013	23	<b>5%</b>	5%	.01	7%	-.08	5%	-.02							
			Plan to do	88	32	6,843	30	443	30	60,678	34														
			Done or in progress	14	5	1,072	5	100	7	9,464	5														
			Total	281	100	22,158	100	1,511	100	176,285	100														
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	80	28	7,524	35	463	30	53,684	31	<b>3%</b>	3%	.00	5%	-.08	3%	.01							
			Do not plan to do	29	10	2,547	13	175	12	16,646	10														
			Plan to do	166	59	11,466	49	806	54	101,438	55														
			Done or in progress	7	3	632	3	64	5	4,575	3														
			Total	282	100	22,169	100	1,508	100	176,343	100														
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																									
servcourse			1 None	119	43	9,648	46	530	35	81,180	48	<b>1.7</b>	1.7	.03	1.8 *	-.13	1.6	.07							
			2 Some	141	48	10,078	43	828	55	79,251	44														
			3 Most	20	7	1,931	8	123	8	12,868	7														
			4 All	4	2	427	2	24	2	2,481	2														
			Total	284	100	22,084	100	1,505	100	175,780	100														
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																									
a. Students	QIstudent		1 Poor	4	2	415	2	29	2	2,750	2	<b>5.4</b>	5.4	-.04	5.3	.06	5.5	-.07							
			2	6	2	489	2	44	3	3,592	2														
			3	12	4	1,190	6	96	7	8,341	5														
			4	37	13	2,532	11	191	13	19,113	11														
			5	90	31	5,410	24	369	24	42,980	24														
			6	67	23	5,612	25	386	25	49,874	28														
			7 Excellent	67	25	6,346	29	379	25	49,388	27														
			— Not applicable	0	0	274	1	15	1	1,184	1														
Total	283	100	22,268	100	1,509	100	177,222	100																	
b. Academic advisors	QIadvisor		1 Poor	11	3	866	4	71	5	6,319	4	<b>5.4</b>	5.2 *	.12	5.1 ***	.21	5.2 *	.14							
			2	5	2	1,101	5	88	6	8,540	5														
			3	19	7	1,748	8	131	9	13,768	8														
			4	35	13	2,831	12	203	13	23,173	13														
			5	57	20	4,177	18	264	17	34,779	19														
			6	71	25	4,467	20	311	21	37,905	21														
			7 Excellent	85	30	6,531	31	419	27	48,806	28														
			— Not applicable	0	0	496	2	22	2	3,572	2														

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options Total	NSSE 2015 & 2016								Your first-year students compared with							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. Faculty	Qlfaculty	1	Poor	4	1	535	3	43	3	3,337	2	<b>5.4</b>	5.3	.09	5.1 **	.18	5.3	.08	
		2		4	1	725	3	68	5	5,117	3								
		3		16	5	1,410	6	124	8	10,443	6								
		4		39	13	2,942	13	200	13	23,074	13								
		5		79	28	5,306	23	360	23	43,968	25								
		6		86	32	5,654	25	369	25	49,573	27								
		7	Excellent	54	20	5,236	24	332	22	38,929	22								▲
		—	Not applicable	0	0	327	2	9	1	1,672	1								
	Total	282	100	22,135	100	1,505	100	176,113	100										
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	10	3	1,200	6	97	7	7,545	5	<b>5.1</b>	4.9 **	.15	4.8 ***	.21	5.0	.10	
		2		7	3	1,095	5	83	6	8,057	5								
		3		13	4	1,562	7	132	9	12,528	7								
		4		48	17	2,826	12	201	13	23,716	13								
		5		68	24	4,170	18	288	19	36,472	20								
		6		57	20	4,174	17	276	18	38,038	21								
		7	Excellent	53	20	4,293	19	288	18	34,224	19								▲
		—	Not applicable	26	9	2,821	16	137	9	15,732	11								
	Total	282	100	22,141	100	1,502	100	176,312	100										
e. Other administrative staff and offices (registrar, financial aid, etc.)	Qladmin	1	Poor	11	3	1,279	7	133	10	8,003	5	<b>5.1</b>	4.9 *	.11	4.6 ***	.25	4.9	.10	
		2		10	3	1,295	6	101	6	9,403	5								
		3		18	5	1,808	8	157	11	14,163	8								
		4		44	15	3,095	13	185	12	25,672	14								
		5		77	28	4,544	19	316	20	37,375	21								
		6		63	24	4,142	18	289	19	36,963	20								
		7	Excellent	44	17	4,552	22	273	18	33,565	19								▲
		—	Not applicable	14	4	1,458	7	49	3	11,410	7								
	Total	281	100	22,173	100	1,503	100	176,554	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	3	1	398	2	36	3	2,611	2	<b>3.1</b>	3.1	-.06	3.1	-.02	3.2	-.09
		2	Some	52	20	3,434	17	246	18	25,552	16							
		3	Quite a bit	124	45	9,378	44	623	44	75,050	45							
		4	Very much	91	33	7,803	37	513	36	64,069	37							
			Total	270	100	21,013	100	1,418	100	167,282	100							
b. Providing support to	SEacademic	1	Very little	6	2	812	5	66	6	5,450	4							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your first-year students compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
help students succeed academically		2	Some	60	23	4,006	20	284	20	30,639	19	<b>3.0</b>	3.1 *	-0.11	3.0	-0.08	3.1 *	-0.14
		3	Quite a bit	133	50	8,247	39	543	38	68,053	41							
		4	Very much	70	25	7,760	36	510	36	61,786	36							
		Total		269	100	20,825	100	1,403	100	165,928	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	14	5	1,131	6	98	8	8,169	5	<b>3.0</b>	3.1 *	-0.13	3.1	-0.08	3.1 *	-0.13
		2	Some	51	21	3,489	17	225	17	27,419	17							
		3	Quite a bit	111	42	7,336	35	492	35	60,223	37							
		4	Very much	91	32	8,856	42	585	41	70,001	41							
Total		267	100	20,812	100	1,400	100	165,812	100									
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	30	11	2,372	12	178	14	17,924	11	<b>2.5</b>	2.8 ***	-0.22	2.7 *	-0.14	2.8 ***	-0.22
		2	Some	96	38	5,647	28	389	28	46,695	28							
		3	Quite a bit	100	37	6,927	33	482	35	56,029	34							
		4	Very much	41	14	5,855	28	348	24	45,263	27							
Total		267	100	20,801	100	1,397	100	165,911	100									
e. Providing opportunities to be involved socially	SEsocial	1	Very little	16	6	1,451	9	94	7	8,773	6	<b>2.9</b>	2.9	-0.05	2.9	-0.08	3.0 *	-0.15
		2	Some	68	26	4,697	24	326	25	35,432	22							
		3	Quite a bit	117	46	7,617	35	506	35	64,153	38							
		4	Very much	66	23	7,000	32	471	32	57,344	33							
Total		267	100	20,765	100	1,397	100	165,702	100									
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	17	6	1,681	10	113	9	10,504	7	<b>2.9</b>	2.9	-0.01	2.9	-0.05	3.0	-0.10
		2	Some	67	26	4,743	24	310	23	36,410	23							
		3	Quite a bit	117	45	7,549	35	523	37	63,418	38							
		4	Very much	65	24	6,753	31	447	31	55,035	32							
Total		266	100	20,726	100	1,393	100	165,367	100									
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	77	27	4,499	24	341	26	33,511	21	<b>2.1</b>	2.4 ***	-0.23	2.3 **	-0.19	2.4 ***	-0.26
		2	Some	99	39	6,967	33	461	32	58,047	35							
		3	Quite a bit	72	28	5,725	27	344	25	46,803	28							
		4	Very much	19	6	3,518	17	243	17	26,915	16							
Total		267	100	20,709	100	1,389	100	165,276	100									
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	16	5	2,541	18	129	10	13,104	10	<b>2.8</b>	2.7 *	0.10	2.9	-0.09	2.9	-0.09
		2	Some	74	30	4,937	24	322	24	38,755	24							
		3	Quite a bit	132	48	7,085	32	491	34	62,248	37							
		4	Very much	46	17	6,092	26	449	31	50,788	29							
Total		268	100	20,655	100	1,391	100	164,895	100									

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your first-year students compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	44	15	3,759	22	242	19	22,732	15	<b>2.4</b>	2.4	-.04	2.5	-.12	2.6 ***	▽
		2	Some	106	42	6,545	31	449	31	53,229	32							
		3	Quite a bit	87	33	6,155	28	411	29	54,146	32							
		4	Very much	29	10	4,150	19	285	20	34,421	20							
		Total		266	100	20,609	100	1,387	100	164,528	100							
<b>15. About how many hours do you spend in a typical 7-day week doing the following?</b>																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs <i>(Recorded version of tmpprep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	2	1	142	1	13	1	780	1	<b>14.3</b>	14.0	.04	13.4	.12	14.3	.01
		3	1-5 hrs	35	13	3,015	15	224	16	21,490	14							
		8	6-10 hrs	64	24	4,921	24	368	27	38,347	24							
		13	11-15 hrs	61	23	4,437	21	293	21	36,092	22							
		18	16-20 hrs	46	18	3,782	18	215	15	30,786	18							
		23	21-25 hrs	24	9	2,185	10	126	9	18,604	11							
		28	26-30 hrs	17	6	1,151	6	74	5	9,886	6							
33	More than 30 hrs	18	7	1,093	5	72	5	9,476	6									
Total		267	100	20,726	100	1,385	100	165,461	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	0 hrs	87	31	8,085	45	529	40	50,398	34	<b>5.5</b>	4.5 **	.16	5.3	.03	5.5	.01
		3	1-5 hrs	103	38	6,282	28	407	28	55,596	32							
		8	6-10 hrs	35	14	2,919	13	197	14	27,275	16							
		13	11-15 hrs	18	7	1,538	7	104	8	14,762	9							
		18	16-20 hrs	7	3	955	4	74	5	8,836	5							
		23	21-25 hrs	7	3	404	2	31	2	4,000	2							
		28	26-30 hrs	3	1	160	1	11	1	1,528	1							
33	More than 30 hrs	6	2	228	1	26	2	2,068	1									
Total		266	100	20,571	100	1,379	100	164,463	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	0 hrs	192	73	16,490	82	1,075	79	126,745	79	<b>2.8</b>	2.2	.09	2.6	.03	2.4	.07
		3	1-5 hrs	10	3	734	3	52	3	8,051	4							
		8	6-10 hrs	44	16	1,200	5	94	6	13,655	7							
		13	11-15 hrs	9	3	1,011	4	78	6	8,367	5							
		18	16-20 hrs	5	2	811	4	53	4	5,423	3							
		23	21-25 hrs	2	1	215	1	12	1	1,456	1							
		28	26-30 hrs	1	1	63	0	2	0	491	0							
33	More than 30 hrs	2	1	119	1	9	1	730	1									
Total		265	100	20,643	100	1,375	100	164,918	100									
d. Working for pay off campus	tmworkoffhrs <i>(Recorded version of tmworkoff)</i>	0	0 hrs	162	62	13,137	60	853	63	113,832	67	<b>2.8</b>	2.2	.09	2.6	.03	2.4	.07
		3	1-5 hrs	15	6	973	5	63	4	8,152	5							
		8	6-10 hrs	13	5	1,105	5	73	5	8,753	5							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your first-year students compared with							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
	created by NSSE.	13	11-15 hrs	29	11	1,052	5	88	6	8,127	5	<b>5.6</b>	8.2 ***	-.21	6.9 *	-.13	5.7	-.01	
	Values are estimated number of hours per week.)	18	16-20 hrs	17	6	1,140	6	98	7	8,673	5								
		23	21-25 hrs	18	6	836	4	51	4	5,899	4								
		28	26-30 hrs	7	3	577	3	50	3	3,608	2								
		33	More than 30 hrs	3	1	1,748	13	103	8	7,282	6								
	Total			264	100	20,568	100	1,379	100	164,326	100								
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											<b>8.3</b>	10.3 **	-.16	9.4	-.10	8.0	.02	
e. Doing community service or volunteer work	tmservicehrs (Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	148	57	10,982	55	683	49	90,120	56	<b>2.9</b>	2.9	.00	3.1	-.04	2.5	.08	
		3	1-5 hrs	82	28	6,577	30	468	35	54,208	32								
		8	6-10 hrs	19	9	1,483	7	121	9	10,334	6								
		13	11-15 hrs	5	2	702	4	52	4	4,368	3								
		18	16-20 hrs	4	2	373	2	23	2	2,380	2								
		23	21-25 hrs	5	2	167	1	12	1	1,062	1								
		28	26-30 hrs	1	1	79	0	8	1	403	0								
	Total	33	More than 30 hrs	2	1	128	1	6	0	659	0								
				266	100	20,491	100	1,373	100	163,534	100								
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs (Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	7	3	560	3	43	4	2,994	2	<b>13.1</b>	11.4 **	.20	11.5 **	.18	12.1	.11	
		3	1-5 hrs	55	19	5,192	26	344	26	35,650	22								
		8	6-10 hrs	66	24	5,477	26	357	26	45,528	27								
		13	11-15 hrs	51	21	3,870	18	249	18	33,697	20								
		18	16-20 hrs	37	14	2,477	12	173	12	21,579	13								
		23	21-25 hrs	24	10	1,256	6	76	5	10,693	7								
		28	26-30 hrs	9	3	573	3	38	2	4,882	3								
	Total	33	More than 30 hrs	17	7	1,149	6	92	7	9,157	6								
				266	100	20,554	100	1,372	100	164,180	100								
g. Providing care for dependents (children, parents, etc.)	tmcarehrs (Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	208	77	13,966	63	974	70	124,748	73	<b>2.5</b>	5.9 ***	-.32	4.0 **	-.17	3.3	-.10	
		3	1-5 hrs	25	10	2,459	12	145	10	17,301	11								
		8	6-10 hrs	9	4	1,094	6	86	6	7,389	5								
		13	11-15 hrs	9	3	728	4	49	4	4,365	3								
		18	16-20 hrs	5	2	490	3	28	2	2,789	2								
		23	21-25 hrs	3	1	265	2	14	1	1,478	1								
		28	26-30 hrs	2	1	175	1	9	1	813	1								

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

### Frequency Distributions<sup>a</sup>

### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your first-year students compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
		33	More than 30 hrs	5	2	1,335	10	71	5	5,040	4							
			Total	266	100	20,512	100	1,376	100	163,923	100							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs <i>(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	77	30	9,040	44	456	34	71,643	41	<b>4.5</b>	3.9	.11	4.8	-.05	3.8 *	.13
		3	1-5 hrs	118	43	7,038	33	562	40	60,519	37							
		8	6-10 hrs	47	17	2,478	12	175	13	18,508	12							
		13	11-15 hrs	13	5	931	5	77	6	6,783	5							
		18	16-20 hrs	4	2	487	2	46	3	3,361	2							
		23	21-25 hrs	1	1	226	1	19	1	1,423	1							
		28	26-30 hrs	3	1	104	1	12	1	659	0							
		33	More than 30 hrs	4	2	278	1	29	2	1,689	1							
			Total	267	100	20,582	100	1,376	100	164,585	100							
<b>16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																		
	reading	1	Very little	48	18	2,263	10	244	17	17,631	11	<b>2.5</b>	2.9 ***	-0.37	2.6	-.13	2.8 ***	-0.30
		2	Some	97	38	6,296	29	469	33	50,892	32							
		3	About half	69	26	6,139	30	380	28	49,094	30							
		4	Most	42	15	4,191	22	197	15	33,928	20							
		5	Almost all	8	3	1,681	9	85	7	12,642	7							
			Total	264	100	20,570	100	1,375	100	164,187	100							
	tmreadinghrs <i>(Continuous variable created by NSSE. Calculated as a proportion of tmprphrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)</i>											<b>5.6</b>	7.0 ***	-0.22	5.8	-.02	6.7 ***	-0.19
	tmreadinghrscol <i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	1	0 hrs	2	1	129	1	13	1	717	1							
		2	More than zero, up to 5 hrs	149	57	10,132	49	801	58	78,555	50							
		3	More than 5, up to 10 hrs	76	30	5,920	29	360	26	48,996	29							
		4	More than 10, up to 15 hrs	17	6	2,139	11	90	7	17,576	10							
		5	More than 15, up to 20 hrs	10	3	1,060	5	56	4	9,034	5							
		6	More than 20, up to 25 hrs	6	2	736	4	30	3	6,113	3							
		7	More than 25 hrs	3	1	350	2	19	1	2,411	1							

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# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your first-year students compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
Total				263	100	20,466	100	1,369	100	163,402	100							
<b>17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</b>																		
a. Writing clearly and effectively	pgwrite	1	Very little	40	15	1,337	6	124	9	11,725	8	<b>2.6</b>	2.9 *** ▼	-.43	2.8 *** ▼	-.28	2.9 *** ▼	-.32
		2	Some	73	26	4,987	23	361	25	42,548	26							
		3	Quite a bit	116	46	8,290	40	559	41	67,611	41							
		4	Very much	37	13	5,961	31	332	25	42,453	26							
		Total		266	100	20,575	100	1,376	100	164,337	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	32	12	2,018	11	156	12	17,567	11	<b>2.5</b>	2.8 *** ▼	-.30	2.7 *** ▼	-.22	2.7 *** ▼	-.23
		2	Some	110	40	5,813	28	424	30	49,635	30							
		3	Quite a bit	88	34	7,657	36	488	36	61,001	37							
		4	Very much	37	13	5,027	25	304	22	35,616	22							
		Total		267	100	20,515	100	1,372	100	163,819	100							
c. Thinking critically and analytically	pgthink	1	Very little	10	4	697	4	61	5	5,343	4	<b>3.0</b>	3.1 * ▼	-.12	3.1	-.06	3.1	-.10
		2	Some	53	21	3,849	19	263	19	30,532	19							
		3	Quite a bit	126	48	8,456	40	586	42	70,798	43							
		4	Very much	78	28	7,510	37	464	34	57,185	35							
		Total		267	100	20,512	100	1,374	100	163,858	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	33	12	3,058	15	154	12	23,583	14	<b>2.7</b>	2.6	.08	2.7	-.03	2.6	.06
		2	Some	83	30	6,471	31	397	29	51,827	31							
		3	Quite a bit	94	38	6,657	32	488	35	54,859	34							
		4	Very much	57	21	4,296	22	333	24	33,400	21							
		Total		267	100	20,482	100	1,372	100	163,669	100							
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	29	10	2,920	15	202	15	21,796	14	<b>2.6</b>	2.6	.01	2.6	.05	2.6	.02
		2	Some	94	35	6,288	30	433	32	51,674	31							
		3	Quite a bit	89	35	6,697	32	445	32	54,951	33							
		4	Very much	53	19	4,600	23	293	21	35,358	21							
		Total		265	100	20,505	100	1,373	100	163,779	100							
f. Working effectively with others	pgothers	1	Very little	15	5	1,412	8	106	8	10,901	7	<b>2.7</b>	2.9 *** ▼	-.19	2.8 ** ▼	-.17	2.8 ** ▼	-.16
		2	Some	86	34	5,354	26	360	27	44,024	27							
		3	Quite a bit	122	46	7,908	38	528	37	65,507	39							
		4	Very much	43	14	5,793	29	373	28	43,105	26							
		Total		266	100	20,467	100	1,367	100	163,537	100							
g. Developing or clarifying a personal code of values and	pgvalues	1	Very little	42	16	2,188	12	183	14	18,535	13	<b>2.8</b>	2.8 ***	-.19	2.8 ***	-.17	2.8 ***	-.16
		2	Some	101	39	5,535	27	402	29	45,849	28							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description CODE of values and ethics	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016															
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
		3	Quite a bit	88	33	7,080	33	461	33	58,604	35	2.4	2.8 ***	-.35	2.7 ***	-.25	2.7 ***	-.30	
		4	Very much	35	12	5,663	28	319	24	40,618	24		▼		▼		▼		
		Total		266	100	20,466	100	1,365	100	163,606	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	42	17	2,134	11	166	13	16,696	11	2.5	2.8 ***	-.33	2.7 ***	-.25	2.8 ***	-.30	
		2	Some	96	36	5,492	27	388	29	46,025	28				▼		▼		▼
		3	Quite a bit	77	30	6,978	33	449	32	57,882	35								
		4	Very much	51	17	5,881	29	366	26	43,060	26				▼		▼		▼
		Total		266	100	20,485	100	1,369	100	163,663	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	43	15	2,552	13	180	14	19,495	12	2.5	2.6 **	-.16	2.6 *	-.14	2.6 *	-.15	
		2	Some	95	35	6,494	31	423	30	53,570	33				▼		▼		▼
		3	Quite a bit	88	36	6,845	33	472	33	56,652	34								
		4	Very much	40	14	4,566	23	294	22	33,810	21				▼		▼		▼
		Total		266	100	20,457	100	1,369	100	163,527	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	47	17	2,778	15	191	15	20,717	13	2.5	2.6 **	-.17	2.6 *	-.14	2.6 **	-.17	
		2	Some	91	34	6,377	31	437	31	51,951	32				▼		▼		▼
		3	Quite a bit	88	36	6,609	32	442	32	55,509	34								
		4	Very much	40	14	4,602	23	290	21	34,741	21				▼		▼		▼
		Total		266	100	20,366	100	1,360	100	162,918	100								
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	1	1	426	3	47	4	2,893	2	3.2	3.2	.10	3.1 **	.21	3.2	.05	
		2	Fair	25	10	2,557	13	194	16	19,022	12				▲		▲		▲
		3	Good	147	54	9,981	49	655	48	79,636	49								
		4	Excellent	94	35	7,617	35	477	32	62,852	37								
		Total		267	100	20,581	100	1,373	100	164,403	100								
<b>19. If you could start over again, would you go to the same institution you are now attending?</b>																			
	sameinst	1	Definitely no	5	2	852	5	74	6	6,152	4	3.3	3.2 **	.20	3.1 ***	.24	3.2 *	.15	
		2	Probably no	20	7	2,618	13	180	14	19,997	12				▲		▲		▲
		3	Probably yes	116	45	8,594	42	539	40	67,876	42								
		4	Definitely yes	126	46	8,537	40	583	40	70,575	42								
		Total		267	100	20,601	100	1,376	100	164,600	100								

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your seniors compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>1. During the current school year, about how often have you done the following?</b>																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	13	3	762	2	55	2	5,906	2	<b>3.0</b>	3.2 *** ▽	-.25	3.2 *** ▽	-.21	3.2 ** ▽	-.14
		2	Sometimes	136	28	7,771	20	532	21	61,146	23							
		3	Often	171	33	11,138	29	708	30	84,815	31							
		4	Very often	195	36	17,635	48	1,125	47	120,640	43							
		Total		515	100	37,306	100	2,420	100	272,507	100							
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	108	23	6,819	17	434	18	54,904	20	<b>2.4</b>	2.6 *** ▽	-.19	2.6 *** ▽	-.17	2.5	-.06
		2	Sometimes	174	34	12,075	32	781	32	94,054	34							
		3	Often	126	24	9,526	26	626	26	68,222	25							
		4	Very often	103	18	8,477	25	558	24	53,012	20							
		Total		511	100	36,897	100	2,399	100	270,192	100							
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	28	5	2,094	6	134	6	17,129	7	<b>3.1</b>	3.1	-.01	3.1	.02	3.0 ** △	.13
		2	Often	60	11	4,358	11	259	11	37,011	14							
		3	Sometimes	263	53	18,729	50	1,272	54	146,100	54							
		4	Never	160	31	11,560	33	718	30	68,696	26							
		Total		511	100	36,741	100	2,383	100	268,936	100							
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	201	39	18,006	51	1,120	47	112,520	44	<b>1.9</b>	1.7 *** △	.16	1.8	.09	1.8	.04
		2	Sometimes	211	42	12,059	33	823	35	98,033	36							
		3	Often	59	12	3,906	10	259	11	34,235	12							
		4	Very often	38	7	2,541	7	173	8	22,921	8							
		Total		509	100	36,512	100	2,375	100	267,709	100							
e. Asked another student to help you understand course material	CLaskhelp	1	Never	31	6	6,804	20	294	13	35,862	15	<b>2.6</b>	2.3 *** ▲	.41	2.5 *** ▲	.19	2.4 *** ▲	.26
		2	Sometimes	208	42	16,205	46	1,051	44	116,362	44							
		3	Often	173	34	8,742	22	635	26	75,224	27							
		4	Very often	99	18	4,712	12	403	17	39,771	14							
		Total		511	100	36,463	100	2,383	100	267,219	100							
f. Explained course material to one or more students	CLexplain	1	Never	8	2	3,293	9	121	5	14,706	6	<b>3.0</b>	2.6 *** ▲	.37	2.8 ** ▲	.15	2.7 *** ▲	.25
		2	Sometimes	151	28	13,783	39	795	33	93,350	36							
		3	Often	214	43	12,175	33	857	36	99,790	37							
		4	Very often	136	27	7,070	19	595	26	58,510	22							
		Total		509	100	36,321	100	2,368	100	266,356	100							
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	41	8	8,817	25	397	17	47,730	19	<b>2.8</b>	2.3 ***	.49	2.6 ***	.25	2.5 ***	.36
		2	Sometimes	147	29	12,252	34	786	33	91,545	35							
		3	Often	176	35	8,782	23	632	27	73,105	27							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your seniors compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
		4	Very often	142	28	6,406	17	557	24	53,632	20							
		Total		506	100	36,257	100	2,372	100	266,012	100							
h. Worked with other students on course projects or assignments	CLproject	1	Never	11	2	2,799	7	200	9	17,883	7	<b>3.1</b>	▲	.21	▲	.33	▲	.30
		2	Sometimes	105	21	9,730	25	682	29	75,748	29							
		3	Often	183	37	12,212	32	758	32	92,658	34							
		4	Very often	206	40	11,398	35	715	31	78,970	30							
		Total		505	100	36,139	100	2,355	100	265,259	100							
i. Given a course presentation	present	1	Never	41	9	5,689	17	294	13	28,522	12	<b>2.7</b>	▼	.07	▼	.06	▼	.02
		2	Sometimes	166	34	10,144	28	772	33	80,005	31							
		3	Often	160	32	10,970	30	706	30	85,509	31							
		4	Very often	138	25	9,200	26	585	25	70,178	25							
		Total		505	100	36,003	100	2,357	100	264,214	100							
<b>2. During the current school year, about how often have you done the following?</b>																		
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	23	5	1,309	4	95	4	8,041	3	<b>2.9</b>	▼	-.02	▼	-.01	▼	-.05
		2	Sometimes	136	28	9,541	27	632	27	66,050	26							
		3	Often	181	36	13,825	38	883	37	103,286	39							
		4	Very often	158	32	10,669	31	704	31	82,090	31							
		Total		498	100	35,344	100	2,314	100	259,467	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	52	11	2,045	6	172	8	14,655	6	<b>2.6</b>	▼	-.36	▼	-.26	▼	-.31
		2	Sometimes	185	39	9,948	28	694	31	75,306	30							
		3	Often	162	33	12,887	36	812	34	94,256	36							
		4	Very often	96	18	10,152	30	617	27	73,348	28							
		Total		495	100	35,032	100	2,295	100	257,565	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	102	23	3,342	10	299	14	26,188	11	<b>2.3</b>	▼	-.50	▼	-.35	▼	-.42
		2	Sometimes	193	39	11,219	31	786	34	85,958	34							
		3	Often	129	25	11,480	32	679	29	82,489	31							
		4	Very often	73	13	8,988	26	523	23	62,554	24							
		Total		497	100	35,029	100	2,287	100	257,189	100							
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	39	8	1,344	4	113	5	11,079	5	<b>2.7</b>	▼	-.28	▼	-.16	▼	-.21
		2	Sometimes	167	34	9,532	27	703	31	73,690	29							
		3	Often	188	38	14,730	42	905	39	106,087	41							
		4	Very often	99	20	9,367	28	564	25	65,606	25							
		Total		493	100	34,973	100	2,285	100	256,462	100							
e. Tried to better	RIperspect	1	Never	29	6	959	3	74	3	7,854	3							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016														
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
understand someone else's views by imagining how an issue looks from his or her perspective		2	Sometimes	151	31	8,346	23	602	27	64,587	26	<b>2.8</b>	3.0 ***	-.32	3.0 ***	-.24	3.0 ***	-.26
		3	Often	208	43	14,943	43	950	41	107,605	42							
		4	Very often	105	20	10,608	31	646	29	75,616	29							
		Total		493	100	34,856	100	2,272	100	255,662	100							
f. Learned something that changed the way you understand an issue or concept	RNewview	1	Never	21	5	769	2	64	3	5,307	2	<b>2.8</b>	3.0 ***	-.26	2.9 ***	-.20	3.0 ***	-.23
		2	Sometimes	169	34	9,251	27	636	28	68,684	28							
		3	Often	193	40	14,548	41	947	42	107,687	42							
		4	Very often	108	21	10,180	30	616	27	73,326	28							
Total		491	100	34,748	100	2,263	100	255,004	100									
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	11	2	330	1	26	1	2,496	1	<b>3.1</b>	3.3 ***	-.18	3.2	-.09	3.2 **	-.14
		2	Sometimes	86	18	5,104	15	390	18	38,406	16							
		3	Often	218	45	14,782	42	952	41	108,467	42							
		4	Very often	176	34	14,403	42	888	39	104,640	41							
Total		491	100	34,619	100	2,256	100	254,009	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	75	16	7,722	24	390	17	43,479	19	<b>2.5</b>	2.3 ***	.21	2.5	.00	2.4	.08
		2	Sometimes	177	38	13,585	40	843	37	98,500	40							
		3	Often	134	27	7,754	21	580	26	64,190	24							
		4	Very often	102	19	5,586	15	442	20	48,068	17							
Total		488	100	34,647	100	2,255	100	254,237	100									
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	171	36	17,803	54	985	43	107,614	45	<b>2.1</b>	1.8 ***	.33	2.0 *	.11	1.9 ***	.16
		2	Sometimes	167	33	8,795	24	618	28	74,091	28							
		3	Often	83	16	4,472	12	368	16	40,975	15							
		4	Very often	69	14	3,447	9	277	12	30,719	11							
Total		490	100	34,517	100	2,248	100	253,399	100									
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	100	21	11,966	37	597	26	65,432	28	<b>2.3</b>	2.0 ***	.30	2.2	.05	2.2 **	.13
		2	Sometimes	195	42	12,505	35	862	38	99,977	39							
		3	Often	126	25	6,289	17	465	21	55,246	21							
		4	Very often	65	13	3,715	10	322	15	32,475	12							
Total		486	100	34,475	100	2,246	100	253,130	100									
d. Discussed your academic performance with a faculty member	SFperform	1	Never	95	20	8,736	26	446	20	56,204	24	<b>2.3</b>	2.1 **	.13	2.3	-.08	2.2	.07
		2	Sometimes	213	45	14,942	43	958	42	110,212	44							
		3	Often	120	24	6,850	19	500	22	55,542	21							
		4	Very often	61	11	3,892	11	340	16	30,689	11							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options Total	NSSE 2015 & 2016								Your seniors compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
<b>4. During the current school year, how much has your coursework emphasized the following?</b>				489	100	34,420	100	2,244	100	252,647	100							
a. Memorizing course material	memorize	1	Very little	51	11	4,092	12	206	9	22,918	9	<b>2.7</b>	2.6	.05	2.7	-.05	2.7	-.05
		2	Some	148	31	10,869	32	675	30	78,225	31							
		3	Quite a bit	177	36	12,347	36	843	37	94,816	37							
		4	Very much	113	22	7,260	20	527	23	57,391	23							
		Total		489	100	34,568	100	2,251	100	253,350	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	15	3	935	3	50	2	6,709	3	<b>3.1</b>	3.1	.01	3.1	.00	3.1	.03
		2	Some	88	19	6,153	18	439	19	45,117	18							
		3	Quite a bit	192	40	14,624	42	884	39	108,383	43							
		4	Very much	193	39	12,684	37	873	39	92,207	36							
		Total		488	100	34,396	100	2,246	100	252,416	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	27	5	1,097	3	80	4	8,356	4	<b>3.0</b>	3.1 ***	-.16	3.1 **	-.15	3.1 **	-.12
		2	Some	108	24	6,531	19	435	19	49,272	20							
		3	Quite a bit	190	37	14,151	41	859	38	102,762	41							
		4	Very much	164	34	12,535	37	862	39	91,184	36							
		Total		489	100	34,314	100	2,236	100	251,574	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	58	14	1,454	4	120	6	12,346	5	<b>2.7</b>	3.1 ***	-.47	3.0 ***	-.35	3.0 ***	-.36
		2	Some	136	29	7,070	20	529	24	57,057	23							
		3	Quite a bit	181	36	14,304	42	867	38	103,066	41							
		4	Very much	113	22	11,454	34	718	32	79,010	31							
		Total		488	100	34,282	100	2,234	100	251,479	100							
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	37	7	1,291	4	87	4	10,662	5	<b>2.8</b>	3.0 ***	-.31	3.0 ***	-.27	3.0 ***	-.24
		2	Some	137	30	7,510	22	547	25	57,390	23							
		3	Quite a bit	201	41	14,301	41	853	38	104,941	42							
		4	Very much	115	22	11,097	33	741	33	77,974	31							
		Total		490	100	34,199	100	2,228	100	250,967	100							
<b>5. During the current school year, to what extent have your instructors done the following?</b>																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	15	3	855	3	61	3	5,368	2	<b>3.1</b>	3.2	-.09	3.2 **	-.16	3.2	-.09
		2	Some	89	18	5,767	17	343	15	40,967	17							
		3	Quite a bit	216	45	14,086	40	831	37	108,767	43							
		4	Very much	170	34	13,722	40	1,008	45	97,511	38							
		Total		490	100	34,430	100	2,243	100	252,613	100							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your seniors compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
b. Taught course sessions in an organized way	ETorganize	1	Very little	25	5	1,168	4	83	4	7,102	3	<b>3.0</b>	3.1 **	-.12	3.1	-.10	3.1 *	-.11
		2	Some	106	21	5,964	17	396	18	43,639	18							
		3	Quite a bit	190	39	14,370	41	906	41	111,245	44							
		4	Very much	167	34	12,823	38	847	37	90,044	36							
		Total		488	100	34,325	100	2,232	100	252,030	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	16	4	1,546	5	87	4	8,323	4	<b>3.1</b>	3.1	.06	3.1	-.02	3.1	.00
		2	Some	90	18	6,718	20	403	19	44,706	18							
		3	Quite a bit	198	41	12,940	37	806	36	100,411	40							
		4	Very much	184	38	13,082	38	934	42	98,161	38							
		Total		488	100	34,286	100	2,230	100	251,601	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	62	13	3,766	12	243	11	25,300	11	<b>2.6</b>	2.8 ***	-.17	2.8 ***	-.19	2.8 ***	-.15
		2	Some	148	32	8,942	26	554	25	68,637	28							
		3	Quite a bit	150	31	11,058	31	739	33	84,337	33							
		4	Very much	127	23	10,509	31	689	31	73,197	28							
		Total		487	100	34,275	100	2,225	100	251,471	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	43	9	2,420	7	182	8	17,229	7	<b>2.8</b>	2.9 *	-.09	2.9	-.06	2.9	-.05
		2	Some	116	25	8,729	25	549	25	65,779	27							
		3	Quite a bit	191	39	12,526	36	824	37	96,095	38							
		4	Very much	136	26	10,479	31	669	30	71,512	28							
		Total		486	100	34,154	100	2,224	100	250,615	100							

#### 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	48	9	4,477	12	261	12	31,041	12	<b>2.8</b>	2.6 ***	.16	2.7 **	.14	2.7 **	.14
		2	Sometimes	156	30	11,369	32	750	33	82,950	32							
		3	Often	162	33	11,564	34	730	33	84,533	34							
		4	Very often	124	27	6,930	21	490	23	53,617	22							
		Total		490	100	34,340	100	2,231	100	252,141	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	93	18	6,488	18	432	19	46,374	18	<b>2.5</b>	2.4	.02	2.4	.04	2.4	.02
		2	Sometimes	181	37	12,787	37	819	37	92,728	36							
		3	Often	131	27	9,584	29	601	27	70,200	28							
		4	Very often	83	19	5,426	17	374	17	42,432	17							
		Total		488	100	34,285	100	2,226	100	251,734	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	93	19	6,420	18	421	19	42,829	17							
		2	Sometimes	195	38	13,338	39	850	38	96,021	38							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description numerical information	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your seniors compared with							
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
		3	Often	124	26	9,666	29	630	28	73,212	29	<b>2.4</b>	2.4	.02	2.4	.02	2.4	-.03	
		4	Very often	76	17	4,806	15	331	15	39,184	16								
			Total	488	100	34,230	100	2,232	100	251,246	100								
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)</b>																			
a. Up to 5 pages	wrshortnum	0	None	53	13	1,503	5	177	9	11,620	6	<b>5.7</b>							
	(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	114	26	5,196	16	431	21	40,875	18								
		4	3-5	120	27	8,421	26	565	28	64,303	28								
		8	6-10	75	17	6,708	21	412	20	51,662	22			8.9 ***	-.43	6.9 ***	-.19	7.9 ***	-.32
		13	11-15	39	8	3,500	11	207	10	25,966	11			▼		▼		▼	
		18	16-20	18	4	2,022	7	98	4	14,676	6								
		23	More than 20	24	5	3,992	14	162	8	22,764	10								
			Total	443	100	31,342	100	2,052	100	231,866	100								
b. Between 6 and 10 pages	wrmednum	0	None	158	38	5,961	19	543	28	45,391	21	<b>2.7</b>							
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	137	31	9,945	31	678	33	79,418	34								
		4	3-5	78	17	7,890	25	463	22	60,510	25								
		8	6-10	37	8	4,175	14	226	11	27,954	12			4.6 ***	-.35	3.2 *	-.12	3.7 ***	-.23
		13	11-15	13	3	1,530	6	67	3	9,004	4			▼		▼		▼	
		18	16-20	8	2	760	3	17	1	3,735	2								
		23	More than 20	4	1	792	3	27	1	3,408	2								
			Total	435	100	31,053	100	2,021	100	229,420	100								
c. 11 pages or more	wrlongnum	0	None	210	49	13,422	44	999	49	96,239	44	<b>1.8</b>							
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	155	35	10,387	33	662	33	85,102	36								
		4	3-5	33	8	3,688	13	182	9	27,225	12								
		8	6-10	18	4	1,386	5	78	4	8,906	4			2.4 ***	-.14	2.0	-.05	2.0	-.07
		13	11-15	6	1	690	3	44	2	3,935	2			▼					
		18	16-20	4	1	330	1	15	1	1,873	1								
		23	More than 20	5	1	494	2	32	2	2,597	1								
			Total	431	100	30,397	100	2,012	100	225,877	100								
Estimated number of assigned pages of student writing.	wrpages											<b>63.5</b>							
	(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)													95.5 ***	-.31	73.4 *	-.11	80.9 ***	-.19

### 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	DDrace	1	Never	28	6	1,617	5	104	5	11,415	5	
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\*p<.05, \*\*p<.01, \*\*\*p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.



# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016														
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
ethnicity other than your own		2	Sometimes	150	33	6,525	19	447	21	55,120	22	<b>2.9</b>	3.2 ***	-.34	3.2 ***	-.32	3.1 ***	-.27
		3	Often	130	29	9,258	28	589	28	68,832	29							
		4	Very often	141	32	14,831	48	963	47	102,373	44							
		Total	449	100	32,231	100	2,103	100	237,740	100								
b. People from an economic background other than your own	DDeconomic	1	Never	20	4	1,482	5	88	4	9,682	4	<b>3.0</b>	3.1 ***	-.18	3.1 ***	-.19	3.1 **	-.15
		2	Sometimes	114	26	6,657	20	441	21	51,893	22							
		3	Often	173	39	10,449	32	672	32	79,860	33							
		4	Very often	141	31	13,516	43	891	43	95,609	41							
Total	448	100	32,104	100	2,092	100	237,044	100										
c. People with religious beliefs other than your own	DDreligion	1	Never	27	6	2,171	7	111	5	14,525	6	<b>2.9</b>	3.0 *	-.11	3.0 **	-.14	3.0 **	-.12
		2	Sometimes	137	31	8,396	25	548	26	60,334	25							
		3	Often	133	30	9,230	28	592	28	70,997	30							
		4	Very often	152	33	12,287	40	834	41	90,909	39							
Total	449	100	32,084	100	2,085	100	236,765	100										
d. People with political views other than your own	DDpolitical	1	Never	16	4	1,997	6	116	6	13,066	6	<b>3.0</b>	3.0	-.06	3.1	-.09	3.0	-.06
		2	Sometimes	132	30	7,903	24	491	24	58,443	24							
		3	Often	144	32	9,876	30	636	30	75,399	32							
		4	Very often	157	34	12,169	40	843	41	88,975	38							
Total	449	100	31,945	100	2,086	100	235,883	100										

#### 9. During the current school year, about how often have you done the following?

a. Identified key information from reading assignments	LSreading	1	Never	21	6	624	2	54	3	4,744	2	<b>2.9</b>	3.3 ***	-.43	3.2 ***	-.34	3.2 ***	-.36
		2	Sometimes	107	24	4,885	15	350	17	37,950	16							
		3	Often	177	41	12,411	38	772	37	93,657	40							
		4	Very often	139	29	14,114	45	903	44	100,073	42							
Total	444	100	32,034	100	2,079	100	236,424	100										
b. Reviewed your notes after class	LSnotes	1	Never	27	7	2,192	7	100	5	17,184	7	<b>2.9</b>	2.9	-.02	3.1 **	-.18	2.9	.06
		2	Sometimes	121	27	8,667	26	465	22	70,147	29							
		3	Often	138	32	10,043	31	638	31	73,653	31							
		4	Very often	155	34	11,029	35	867	42	74,787	32							
Total	441	100	31,931	100	2,070	100	235,771	100										
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	31	8	1,941	6	108	5	15,614	7	<b>2.9</b>	3.0 **	-.13	3.0 ***	-.22	2.9	-.04
		2	Sometimes	125	28	8,106	25	472	22	65,467	28							
		3	Often	156	37	11,149	35	685	34	82,118	35							
		4	Very often	129	28	10,515	34	794	38	70,622	30							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options Total	NSSE 2015 & 2016								Your seniors compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
<b>10. During the current school year, to what extent have your courses challenged you to do your best work?</b>																		
	challenge	1	Not at all	7	2	205	1	16	1	1,455	1	<b>5.6</b>	5.8 *	-0.12	5.8	-0.10	5.7	-0.02
		2		5	1	389	1	28	1	2,837	1							
		3		14	3	878	3	66	3	6,685	3							
		4		37	9	2,495	8	160	8	19,766	9							
		5		118	27	7,904	24	495	24	65,414	27							
		6		120	27	9,226	29	558	27	72,383	30							
		7	Very much	141	31	10,805	35	749	36	67,072	29							
			Total	442	100	31,902	100	2,072	100	235,612	100							
<b>11. Which of the following have you done or do you plan to do before you graduate?<sup>f</sup></b>																		
a.	Participate in an intern		Have not decided	31	7	3,246	11	200	10	18,523	9	<b>57%</b>	42% ***	.30	45% ***	.25	50% **	.14
	internship, co-op, field experience, student teaching, or clinical placement	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	97	23	6,743	24	405	20	40,913	18							
			Plan to do	62	13	7,457	23	534	26	51,448	23							
			Done or in progress	254	57	14,415	42	928	45	124,674	50							
			Total	444	100	31,861	100	2,067	100	235,558	100							
b.	Hold a formal leadership role in a student organization or group		Have not decided	45	9	3,992	13	223	11	23,773	11	<b>38%</b>	27% ***	.23	33% *	.12	35%	.06
		(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	195	45	15,554	51	972	47	104,146	46							
			Plan to do	30	8	2,709	9	186	9	17,655	8							
			Done or in progress	173	38	9,507	27	683	33	89,375	35							
			Total	443	100	31,762	100	2,064	100	234,949	100							
c.	Participate in a learning community or some other formal program where groups of students take two or more classes together		Have not decided	43	10	4,612	15	304	15	29,163	13	<b>28%</b>	21% **	.15	24%	.09	24%	.08
		(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	240	56	16,786	53	1,033	51	124,059	53							
			Plan to do	29	7	3,195	10	214	11	21,081	9							
			Done or in progress	131	28	7,117	21	504	24	60,095	24							
			Total	443	100	31,710	100	2,055	100	234,398	100							
d.	Participate in a study abroad program		Have not decided	38	8	4,403	14	283	14	26,003	12	<b>10%</b>	9%	.04	8%	.09	14% *	-0.11
		(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	328	74	21,755	69	1,462	71	155,183	67							
			Plan to do	30	7	2,346	7	153	8	16,294	7							
			Done or in progress	46	10	3,196	9	154	8	36,845	14							
			Total	442	100	31,700	100	2,052	100	234,325	100							
e.	Work with a faculty research		Have not decided	49	11	5,501	18	352	18	33,130	15							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Tennessee Tech				Carnegie Class				THEC Peer Group				NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016	
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
member on a research project	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		Do not plan to do	219	48	16,581	53	1,001	48	113,625	49	<b>29%</b>	17% ***	.29	21% **	.17	24% *	.11	▲	▲	▲	▲			
			Plan to do	51	13	3,747	12	258	13	27,697	13														
			Done or in progress	122	29	5,689	17	429	21	58,965	24														
			Total	441	100	31,518	100	2,040	100	233,417	100														
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	14	3	3,849	13	224	11	19,888	9	<b>54%</b>	38% ***	.32	43% ***	.20	46% **	.16	▲	▲	▲	▲			
			Do not plan to do	87	18	7,614	25	428	20	46,872	21														
			Plan to do	104	25	7,726	24	530	26	53,254	24														
			Done or in progress	238	54	12,433	38	867	43	114,108	46														
Total	443	100	31,622	100	2,049	100	234,122	100																	

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

servcourse	Values	Response options	Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016				
			Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
1 None		1 None	163	38	11,118	37	707	36	85,648	39	<b>1.7</b>	1.8	-.07	1.8	-.10	1.7	.00	▲	▲	▲	▲
		2 Some	227	51	16,005	49	1,034	51	119,930	49											
		3 Most	49	10	3,675	11	232	10	23,915	10											
		4 All	3	1	850	3	70	3	4,465	2											
		Total	442	100	31,648	100	2,043	100	233,958	100											

#### 13. Indicate the quality of your interactions with the following people at your institution.

a. Students	QIstudent	Values	Response options	Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016				
				Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
			1 Poor	4	1	376	1	29	1	2,608	1	<b>5.8</b>	5.7	.08	5.6 *	.11	5.7	.08	▲	▲	▲	▲
			2	9	2	490	2	33	2	3,535	2											
			3	12	3	1,181	4	75	4	8,800	4											
			4	30	7	2,891	9	185	9	20,707	9											
			5	95	21	7,013	22	485	23	53,173	23											
			6	139	32	8,868	28	559	27	68,770	29											
			7 Excellent	149	33	10,328	32	655	32	74,997	32											
			— Not applicable	2	1	656	2	33	2	2,505	1											
Total	440	100	31,803	100	2,054	100	235,095	100														
b. Academic advisors	QIadvisor		1 Poor	24	5	1,490	5	103	5	10,992	5	<b>5.3</b>	5.3	-.02	5.3	-.02	5.2	.03	▲	▲	▲	▲
			2	26	5	1,527	5	103	5	11,576	5											
			3	31	7	2,219	7	109	5	16,547	7											
			4	51	12	3,577	11	246	12	26,717	12											
			5	72	16	5,398	17	355	17	41,016	17											
			6	77	19	6,399	20	423	21	48,904	20											
			7 Excellent	156	35	10,578	34	679	33	75,725	32											
			— Not applicable	2	1	559	2	31	2	3,214	2											
Total	440	100	31,803	100	2,054	100	235,095	100														

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options Total	NSSE 2015 & 2016								Your seniors compared with					
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. Faculty	Qlfaculty	1	Poor	10	2	545	2	50	3	3,440	<b>5.5</b>	5.6	-.05	5.4	.05	5.5	-.02
		2		13	3	710	2	57	3	4,811							
		3		22	5	1,400	5	114	6	9,962							
		4		47	10	3,087	10	227	11	23,418							
		5		92	22	6,509	20	440	21	51,194							
		6		120	28	9,133	29	545	26	70,910							
		7	Excellent	134	30	9,812	31	596	30	68,065							
		—	Not applicable	0	0	389	1	14	1	1,744							
	Total	438	100	31,585	100	2,043	100	233,544	100								
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	21	4	1,632	5	115	6	11,414	<b>4.9</b>	4.9	-.03	4.8	.03	4.9	-.02
		2		25	6	1,366	4	99	5	10,802							
		3		30	6	2,038	6	157	8	16,229							
		4		69	15	3,427	10	246	12	29,467							
		5		82	20	4,855	14	336	16	42,591							
		6		80	20	4,883	15	292	15	42,328							
		7	Excellent	76	16	5,594	18	352	17	40,572							
		—	Not applicable	57	12	7,859	27	452	22	40,587							
	Total	440	100	31,654	100	2,049	100	233,990	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	Qladmin	1	Poor	21	5	1,834	6	174	9	12,440	<b>4.8</b>	5.0 *	-.10	4.6	.10	4.9	-.03
		2		27	6	1,703	5	139	7	12,887							
		3		41	8	2,345	7	189	9	19,331							
		4		75	17	4,241	13	308	15	34,650							
		5		105	25	6,042	18	427	20	49,196							
		6		88	21	6,246	20	347	17	48,132							
		7	Excellent	74	17	7,228	24	381	19	46,017							
		—	Not applicable	6	1	2,078	7	82	4	11,794							
	Total	437	100	31,717	100	2,047	100	234,447	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	9	2	631	2	29	1	4,377	<b>3.1</b>	3.2	-.04	3.2	-.08	3.2	-.04
		2	Some	80	18	5,019	17	318	16	36,163							
		3	Quite a bit	171	43	13,188	43	877	44	99,037							
		4	Very much	156	37	11,468	38	756	38	85,426							
			Total	416	100	30,306	100	1,980	100	225,003							
b. Providing support to	SEacademic	1	Very little	22	5	1,513	5	107	6	10,626							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your seniors compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
help students succeed academically		2	Some	94	23	6,763	23	504	26	50,466	24	<b>2.9</b>	3.0	-.07	2.9	.00	3.0	-.05
		3	Quite a bit	189	47	12,081	40	779	40	93,361	42							
		4	Very much	107	25	9,677	32	573	29	68,787	30							
		Total		412	100	30,034	100	1,963	100	223,240	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	47	11	2,398	8	179	10	17,944	8	<b>2.7</b>	2.9 ***	-.24	2.8 *	-.13	2.9 ***	-.18
		2	Some	121	30	6,856	22	503	26	53,311	24							
		3	Quite a bit	142	34	11,043	36	713	35	83,632	37							
		4	Very much	101	24	9,769	33	577	29	68,430	30							
Total		411	100	30,066	100	1,972	100	223,317	100									
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	81	21	4,572	15	315	16	34,750	16	<b>2.4</b>	2.7 ***	-.24	2.6 *	-.14	2.6 ***	-.17
		2	Some	140	34	8,513	28	623	32	69,347	31							
		3	Quite a bit	109	27	9,427	31	610	31	68,767	31							
		4	Very much	78	18	7,543	26	422	21	50,505	23							
Total		408	100	30,055	100	1,970	100	223,369	100									
e. Providing opportunities to be involved socially	SEsocial	1	Very little	39	10	3,250	12	156	8	18,376	9	<b>2.8</b>	2.8	.06	2.9	-.05	2.8	-.04
		2	Some	95	23	7,892	27	528	27	56,174	26							
		3	Quite a bit	171	42	10,570	34	700	35	84,160	37							
		4	Very much	106	24	8,293	27	587	29	64,430	28							
Total		411	100	30,005	100	1,971	100	223,140	100									
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	55	13	4,366	16	234	12	25,356	12	<b>2.7</b>	2.6	.02	2.8 *	-.12	2.7	-.09
		2	Some	111	28	7,860	27	502	26	58,704	27							
		3	Quite a bit	152	37	10,086	32	671	34	80,034	35							
		4	Very much	92	21	7,612	24	562	28	58,557	26							
Total		410	100	29,924	100	1,969	100	222,651	100									
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	149	37	10,251	35	705	36	74,051	34	<b>2.0</b>	2.1 *	-.11	2.1	-.05	2.1	-.09
		2	Some	142	34	9,552	31	657	34	75,993	34							
		3	Quite a bit	77	20	6,221	20	382	19	46,158	20							
		4	Very much	37	9	3,936	13	225	11	26,398	12							
Total		405	100	29,960	100	1,969	100	222,600	100									
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	53	13	6,295	25	278	15	32,368	16	<b>2.6</b>	2.4 **	.13	2.7	-.08	2.6	-.06
		2	Some	143	33	8,164	27	558	29	61,806	28							
		3	Quite a bit	144	37	9,121	29	656	33	76,225	34							
		4	Very much	67	16	6,227	20	471	23	51,635	23							
Total		407	100	29,807	100	1,963	100	222,034	100									

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your seniors compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	92	22	7,329	28	408	21	43,099	21	<b>2.3</b>	2.3	.01	2.4	-.08	2.4 *	▽
		2	Some	162	39	9,881	32	731	38	77,092	35							
		3	Quite a bit	107	28	7,944	25	493	25	65,057	29							
		4	Very much	48	11	4,592	15	326	16	36,301	16							
		Total	409	100	29,746	100	1,958	100	221,549	100								
<b>15. About how many hours do you spend in a typical 7-day week doing the following?</b>																		
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	0 hrs	0	0	126	0	9	0	828	0	<b>16.4</b>	15.0 **	.16	15.1 **	.15	14.9 **	.17
		3	1-5 hrs	48	12	3,973	13	271	14	30,221	14							
		8	6-10 hrs	84	21	6,980	23	462	23	51,968	23							
		13	11-15 hrs	90	21	5,963	19	394	20	44,675	20							
		18	16-20 hrs	59	15	5,343	18	329	17	39,000	17							
		23	21-25 hrs	47	12	3,175	11	205	10	23,366	10							
		28	26-30 hrs	27	7	2,015	7	116	6	14,297	6							
33	More than 30 hrs	56	13	2,405	8	184	10	18,352	8									
Total	411	100	29,980	100	1,970	100	222,707	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	0 hrs	157	38	15,943	57	996	51	93,492	45	<b>5.4</b>	3.7 ***	.26	4.2 **	.17	4.7	.10
		3	1-5 hrs	127	31	6,847	21	483	24	62,738	27							
		8	6-10 hrs	52	13	3,059	9	227	11	28,935	12							
		13	11-15 hrs	27	6	1,703	5	105	5	15,682	7							
		18	16-20 hrs	20	5	1,127	4	64	3	10,157	4							
		23	21-25 hrs	11	3	539	2	32	2	5,005	2							
		28	26-30 hrs	3	1	257	1	16	1	2,263	1							
33	More than 30 hrs	11	3	350	1	35	2	3,311	1									
Total	408	100	29,825	100	1,958	100	221,583	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	0 hrs	262	63	23,053	80	1,480	75	153,055	72	<b>4.3</b>	2.8 ***	.22	3.5 *	.11	3.7	.08
		3	1-5 hrs	35	9	1,000	3	71	3	11,563	4							
		8	6-10 hrs	54	13	1,680	5	130	6	20,091	8							
		13	11-15 hrs	16	4	1,456	4	94	5	14,745	6							
		18	16-20 hrs	23	7	1,577	5	117	7	13,711	6							
		23	21-25 hrs	8	2	500	1	18	1	4,173	2							
		28	26-30 hrs	4	1	194	1	12	1	1,659	1							
33	More than 30 hrs	7	2	394	1	40	2	2,882	1									
Total	409	100	29,854	100	1,962	100	221,879	100										
d. Working for pay off campus	tmworkoffhrs <i>(Recorded version of tmworkoff)</i>	0	0 hrs	209	52	11,239	36	752	38	96,151	42							
		3	1-5 hrs	16	4	1,272	4	83	4	11,301	5							
		8	6-10 hrs	23	5	1,604	5	95	5	14,146	6							

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your seniors compared with												
				Tennessee Tech		Carnegie Class		THEC Peer Group		2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016									
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>						
	created by NSSE.	13	11-15 hrs	27	6	1,627	5	112	5	14,261	6	<b>10.2</b>	15.6 ***	-.38	14.4 ***	-.31	12.7 ***	-.18						
	Values are estimated number of hours per week.)	18	16-20 hrs	30	7	2,297	8	181	9	19,111	9								▼	▼	▼	▼	▼	▼
		23	21-25 hrs	31	8	1,947	6	147	7	14,775	7													
		28	26-30 hrs	23	6	1,530	5	133	7	10,889	5													
		33	More than 30 hrs	48	13	8,211	31	446	24	40,373	20													
	Total			407	100	29,727	100	1,949	100	221,007	100													
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											<b>14.5</b>	18.4 ***	-.27	17.7 ***	-.23	16.3 **	-.13						
												▼	▼	▼	▼	▼	▼	▼						
e. Doing community service or volunteer work	tmservicehrs (Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	187	46	13,666	47	886	46	104,703	49	<b>3.1</b>	3.6 *	-.08	3.9 **	-.13	3.2	-.03						
		3	1-5 hrs	151	38	10,407	34	687	34	79,634	35													
		8	6-10 hrs	37	9	2,777	9	175	9	18,416	8													
		13	11-15 hrs	16	3	1,248	4	76	4	7,800	4								▼	▼	▼	▼	▼	▼
		18	16-20 hrs	9	2	770	3	50	3	4,878	2													
		23	21-25 hrs	4	1	336	1	26	1	2,066	1													
		28	26-30 hrs	2	0	161	1	19	1	970	0													
	Total			408	100	29,683	100	1,954	100	220,465	100													
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs (Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	11	3	1,157	4	70	4	6,606	3	<b>10.2</b>	9.6	.08	10.0	.02	10.5	-.04						
		3	1-5 hrs	139	33	9,892	34	667	34	63,478	29													
		8	6-10 hrs	106	25	8,297	28	485	24	62,806	28													
		13	11-15 hrs	62	16	4,813	16	349	17	39,200	17													
		18	16-20 hrs	37	10	2,808	9	174	9	24,464	11													
		23	21-25 hrs	22	5	1,189	4	87	5	10,849	5													
		28	26-30 hrs	8	2	583	2	40	2	5,109	2													
	Total			405	100	29,795	100	1,953	100	221,280	100													
g. Providing care for dependents (children, parents, etc.)	tmcarehrs (Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	269	67	15,404	49	1,082	54	139,841	61	<b>4.9</b>	9.8 ***	-.38	8.4 ***	-.29	6.7 ***	-.16						
		3	1-5 hrs	51	13	3,505	12	231	12	23,889	11													
		8	6-10 hrs	17	4	1,908	7	110	6	11,402	5													
		13	11-15 hrs	13	3	1,266	5	83	4	7,466	4								▼	▼	▼	▼	▼	▼
		18	16-20 hrs	13	3	1,170	4	62	3	6,352	3													
		23	21-25 hrs	6	1	638	2	38	2	3,494	2													
		28	26-30 hrs	3	1	533	2	28	1	2,697	1													

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2015 & 2016								Your seniors compared with						
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
		33	More than 30 hrs	30	8	5,321	20	326	17	25,930	13							
			Total	402	100	29,745	100	1,960	100	221,071	100							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs <i>(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	46	12	9,216	34	342	17	49,921	21	<b>4.8</b>	4.3 *	.09	5.4	-.08	4.8	.01
		3	1-5 hrs	263	66	13,201	41	1,068	54	115,120	51							
		8	6-10 hrs	54	13	4,464	15	322	17	35,276	17							
		13	11-15 hrs	17	4	1,481	5	103	5	11,228	5							
		18	16-20 hrs	13	3	633	2	51	3	4,648	2							
		23	21-25 hrs	6	1	280	1	23	1	1,925	1							
		28	26-30 hrs	2	0	143	0	7	0	1,021	1							
		33	More than 30 hrs	4	1	422	1	44	2	2,822	1							
			Total	405	100	29,840	100	1,960	100	221,961	100							
<b>16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																		
	reading	1	Very little	110	29	3,369	11	306	15	27,850	13	<b>2.4</b>	3.0 ***	-.54	2.9 ***	-.39	2.9 ***	-.45
		2	Some	127	30	7,440	24	536	27	58,020	26							
		3	About half	84	21	8,715	30	491	25	61,752	28							
		4	Most	66	15	7,102	24	419	22	51,375	23							
		5	Almost all	19	5	3,205	11	205	11	22,731	10							
			Total	406	100	29,831	100	1,957	100	221,728	100							
	tmreadinghrs <i>(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)</i>											<b>6.1</b>	7.9 ***	-.27	7.4 ***	-.20	7.4 ***	-.20
	tmreadinghrscol <i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	1	0 hrs	0	0	122	0	9	0	785	0							
		2	More than zero, up to 5 hrs	240	61	13,079	44	956	49	100,381	46							
		3	More than 5, up to 10 hrs	98	23	8,742	29	529	27	65,578	29							
		4	More than 10, up to 15 hrs	30	7	3,403	12	182	9	24,537	11							
		5	More than 15, up to 20 hrs	12	3	1,983	7	116	6	14,263	6							
		6	More than 20, up to 25 hrs	19	4	1,583	5	105	5	10,440	5							
		7	More than 25 hrs	7	2	761	3	52	3	4,656	2							

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



# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>									
				Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016						
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>			
Total				406	100	29,673	100	1,949	100	220,640	100										
<b>17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</b>																					
a. Writing clearly and effectively	pgwrite	1	Very little	30	7	1,571	5	142	7	12,508	6	<b>2.8</b>	▼	3.1 ***	-.31	▼	3.0 *	-.14	▼	3.0 ***	-.21
		2	Some	117	29	5,705	19	439	22	45,629	21										
		3	Quite a bit	139	35	10,788	35	698	36	81,769	36										
		4	Very much	116	28	11,801	41	680	35	82,106	37										
		Total		402	100	29,865	100	1,959	100	222,012	100										
b. Speaking clearly and effectively	pgspeak	1	Very little	32	8	2,596	9	187	10	16,863	8	<b>2.9</b>	2.9	-.03	2.9	.02	2.9	-.03			
		2	Some	98	25	6,663	22	475	24	49,779	23										
		3	Quite a bit	150	37	10,438	34	677	35	80,374	36										
		4	Very much	123	30	10,064	34	622	31	74,272	33										
		Total		403	100	29,761	100	1,961	100	221,288	100										
c. Thinking critically and analytically	pgthink	1	Very little	16	4	773	3	68	4	5,405	3	<b>3.3</b>	3.3	-.05	3.3	.02	3.3	-.04			
		2	Some	53	13	3,801	13	294	15	27,392	13										
		3	Quite a bit	153	37	10,617	35	665	34	79,345	36										
		4	Very much	182	47	14,562	49	931	47	109,119	49										
		Total		404	100	29,753	100	1,958	100	221,261	100										
d. Analyzing numerical and statistical information	pganalyze	1	Very little	38	9	3,498	11	194	10	24,559	11	<b>2.9</b>	▲	2.8 *	.11	2.8	.10	2.8	.09		
		2	Some	103	24	8,044	26	554	28	59,101	26										
		3	Quite a bit	136	33	9,342	32	603	31	69,686	32										
		4	Very much	125	35	8,875	31	602	31	67,818	31										
		Total		402	100	29,759	100	1,953	100	221,164	100										
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	28	7	2,614	9	195	10	18,961	9	<b>3.0</b>	3.0	.08	2.9 *	.12	▲	2.9 *	.10		
		2	Some	78	21	6,561	22	427	22	49,504	23										
		3	Quite a bit	137	33	9,686	32	647	33	73,445	33										
		4	Very much	160	39	10,951	36	693	35	79,546	35										
		Total		403	100	29,812	100	1,962	100	221,456	100										
f. Working effectively with others	pgothers	1	Very little	17	4	1,655	6	124	6	11,216	6	<b>3.1</b>	3.1	.04	3.0	.11	3.0	.06			
		2	Some	79	21	5,994	20	428	23	45,122	21										
		3	Quite a bit	143	36	10,706	35	683	35	81,542	36										
		4	Very much	161	39	11,359	38	719	36	83,105	37										
		Total		400	100	29,714	100	1,954	100	220,985	100										
g. Developing or clarifying a personal code of values and	pgvalues	1	Very little	54	14	3,099	11	276	15	24,384	12										
		2	Some	97	25	6,735	23	496	26	52,949	25										

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Tennessee Tech		Carnegie Class		THEC Peer Group		NSSE 2015 & 2016		Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
CODE of values and ethics		3	Quite a bit	136	34	9,483	31	600	31	71,607	32	2.7	2.9 **	-.15	2.7	.00	2.8	-.08	
		4	Very much	114	27	10,440	35	585	29	72,278	32		▽						
		Total		401	100	29,757	100	1,957	100	221,218	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	57	15	2,951	10	248	13	23,066	11	2.6	2.9 ***	-.25	2.7 *	-.11	2.8 ***	-.19	
		2	Some	117	30	7,518	25	545	28	58,531	26				▽	▽	▽		
		3	Quite a bit	131	32	9,498	31	597	30	71,528	32								
		4	Very much	98	23	9,798	33	564	29	68,099	31								
		Total		403	100	29,765	100	1,954	100	221,224	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	37	9	2,959	10	220	12	21,066	10	2.9	2.8	.03	2.8	.09	2.8	.05	
		2	Some	95	24	7,861	26	532	27	58,780	27								
		3	Quite a bit	153	38	9,976	33	635	33	76,650	34								
		4	Very much	112	29	8,921	30	568	28	64,545	29								
		Total		397	100	29,717	100	1,955	100	221,041	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	68	18	3,978	14	310	16	29,427	14	2.5	2.7 ***	-.18	2.6	-.06	2.7 **	-.15	
		2	Some	125	31	8,416	28	595	31	64,215	29				▽		▽		
		3	Quite a bit	130	32	9,181	30	572	29	69,797	31								
		4	Very much	77	19	8,036	28	467	24	56,734	26								
		Total		400	100	29,611	100	1,944	100	220,173	100								
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
evalexp		1	Poor	14	4	713	3	55	3	5,107	3	3.3	3.3	.05	3.2 **	.17	3.3	.05	
		2	Fair	43	10	3,416	12	283	15	24,249	12				△				
		3	Good	155	39	12,710	43	867	45	96,507	44								
		4	Excellent	193	47	13,067	43	755	37	96,238	42								
		Total		405	100	29,906	100	1,960	100	222,101	100								
<b>19. If you could start over again, would you go to the same institution you are now attending?</b>																			
sameinst		1	Definitely no	27	7	1,497	5	118	7	10,478	5	3.2	3.2	.05	3.1	.10	3.2	.03	
		2	Probably no	45	11	3,817	13	254	14	28,271	13								
		3	Probably yes	129	34	11,153	37	747	38	84,721	38								
		4	Definitely yes	205	48	13,453	44	848	42	98,877	44								
		Total		406	100	29,920	100	1,967	100	222,347	100								

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

# NSSE 2016 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>B</sup>

### Tennessee Technological University

#### First-Year Students

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Tennessee Tech	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Comparisons with:			Comparisons with:			Comparisons with:						
														Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016				
1 a. askquest	352	2.73	2.96	2.88	2.87	.043	.006	.021	.002	.81	.87	.89	.86	24,977	2,211	168,762	.000	.003	.002	-.26	-.17	-.17				
b. drafts	349	2.43	2.64	2.60	2.54	.055	.006	.024	.002	1.02	1.00	1.04	.99	24,702	2,195	167,214	.000	.004	.038	-.21	-.17	-.11				
c. unpreparedr	347	3.11	3.10	3.10	3.03	.042	.005	.018	.002	.78	.80	.77	.78	24,513	2,178	166,217	.767	.771	.048	.02	.02	.11				
d. attendart	349	2.22	1.86	2.03	1.95	.046	.006	.022	.002	.86	.93	.96	.94	360	2,180	165,322	.000	.001	.000	.39	.20	.28				
e. CLaskhelp	348	2.78	2.45	2.63	2.58	.044	.006	.022	.002	.82	.93	.94	.89	360	535	349	.000	.002	.000	.36	.17	.22				
f. CLexplain	345	2.77	2.61	2.77	2.71	.044	.006	.020	.002	.81	.87	.86	.83	356	502	346	.000	.929	.169	.19	-.01	.07				
g. CLstudy	347	2.66	2.40	2.55	2.54	.051	.007	.024	.002	.96	1.01	1.00	.98	24,007	2,154	163,657	.000	.062	.020	.26	.11	.13				
h. CLproject	343	2.68	2.60	2.64	2.63	.042	.006	.022	.002	.78	.90	.91	.88	355	537	344	.083	.505	.299	.08	.04	.05				
i. present	347	2.23	2.31	2.25	2.30	.046	.006	.022	.002	.86	.94	.94	.91	358	519	347	.078	.717	.136	-.09	-.02	-.08				
2 a. RIntegrate	337	2.49	2.65	2.59	2.65	.046	.006	.021	.002	.84	.88	.89	.86	23,079	494	157,820	.001	.040	.001	-.18	-.12	-.19				
b. RSocietal	334	2.42	2.65	2.56	2.62	.046	.006	.022	.002	.83	.89	.91	.87	344	499	156,445	.000	.005	.000	-.26	-.16	-.23				
c. RIdiverse	333	2.37	2.62	2.57	2.59	.045	.006	.022	.002	.83	.92	.93	.90	344	507	334	.000	.000	.000	-.27	-.22	-.24				
d. Rlownview	330	2.67	2.84	2.77	2.79	.043	.006	.021	.002	.78	.83	.88	.82	22,676	505	155,319	.000	.032	.010	-.21	-.12	-.14				
e. Rlperspect	329	2.75	2.94	2.90	2.89	.040	.006	.021	.002	.73	.82	.85	.82	22,596	515	154,714	.000	.001	.001	-.23	-.19	-.18				
f. RInewview	328	2.73	2.88	2.83	2.86	.042	.006	.021	.002	.76	.82	.85	.81	22,512	497	154,009	.001	.036	.004	-.19	-.12	-.16				
g. Rfconnect	329	2.97	3.08	3.02	3.06	.040	.005	.020	.002	.72	.79	.81	.77	340	504	330	.006	.275	.032	-.14	-.06	-.11				
3 a. SFcareer	331	2.18	2.18	2.23	2.22	.050	.006	.024	.002	.91	.93	.97	.91	22,411	488	153,386	.975	.355	.432	.00	-.05	-.04				
b. SFotherwork	329	1.84	1.68	1.83	1.75	.053	.006	.024	.002	.96	.92	.99	.92	22,334	2,012	152,854	.002	.825	.073	.17	.01	.10				
c. SFdiscuss	326	1.94	1.91	2.01	2.00	.050	.006	.023	.002	.90	.92	.95	.90	22,277	1,991	152,491	.586	.187	.243	.03	-.08	-.06				
d. SFperform	327	2.11	2.12	2.21	2.13	.046	.006	.023	.002	.83	.91	.95	.89	338	509	328	.807	.035	.547	-.01	-.12	-.03				
4 a. memorize	327	3.09	2.89	2.94	2.94	.041	.006	.020	.002	.75	.85	.83	.82	338	496	327	.000	.002	.000	.23	.17	.18				
b. HOapply	327	2.98	2.95	2.91	2.96	.044	.006	.021	.002	.79	.83	.86	.81	22,142	491	151,726	.496	.137	.667	.04	.09	.02				
c. HOanalyze	325	2.86	2.97	2.90	2.96	.045	.006	.022	.002	.82	.84	.88	.83	22,030	1,979	150,936	.022	.503	.031	-.13	-.04	-.12				
d. HOevaluate	324	2.77	2.98	2.88	2.92	.046	.006	.021	.002	.83	.83	.85	.83	333	1,976	150,896	.000	.037	.001	-.25	-.13	-.19				
e. HOform	323	2.70	2.93	2.83	2.90	.049	.006	.021	.002	.88	.84	.87	.83	331	1,974	323	.000	.013	.000	-.27	-.15	-.24				
5 a. ETgoals	324	3.09	3.11	3.12	3.11	.042	.006	.021	.002	.75	.82	.85	.78	335	499	151,411	.639	.495	.649	-.02	-.04	-.03				
b. ETorganize	325	3.08	3.05	2.99	3.06	.041	.006	.022	.002	.74	.85	.89	.80	337	526	326	.382	.052	.504	.04	.10	.03				
c. ETexample	324	3.10	3.02	3.04	3.06	.043	.006	.022	.002	.76	.88	.88	.83	335	508	324	.084	.197	.377	.08	.07	.05				
d. ETdraftfb	324	2.64	2.89	2.87	2.85	.052	.006	.023	.002	.93	.95	.95	.92	21,966	1,964	150,591	.000	.000	.000	-.26	-.24	-.23				
e. ETfeedback	322	2.75	2.81	2.77	2.78	.049	.006	.023	.002	.89	.94	.94	.91	21,904	1,963	150,149	.223	.641	.510	-.07	-.03	-.04				
6 a. QRconclude	324	2.63	2.55	2.60	2.59	.048	.006	.023	.002	.86	.94	.93	.92	335	486	325	.130	.652	.394	.08	.03	.04				
b. QRproblem	324	2.29	2.31	2.32	2.31	.050	.007	.024	.002	.90	.97	.97	.94	335	483	150,701	.715	.596	.630	-.02	-.03	-.03				
c. QRevaluate	324	2.26	2.27	2.26	2.30	.046	.006	.023	.002	.83	.94	.95	.91	336	504	325	.888	.945	.410	-.01	.00	-.04				
7 a. wrshortnum	286	4.73	6.80	5.59	6.82	.281	.042	.137	.016	4.76	5.86	5.29	5.75	298	431	287	.000	.007	.000	-.35	-.16	-.36				
b. wrmednum	284	1.53	2.36	1.75	2.24	.188	.025	.080	.009	3.16	3.44	3.03	3.14	293	1,726	134,075	.000	.272	.000	-.24	-.07	-.22				

See the endnotes on the last page of this report.

# NSSE 2016 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>B</sup>

### Tennessee Technological University

#### First-Year Students

Variable Name	N	Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>			
		Tennessee Tech	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Comparisons with:			Comparisons with:			Comparisons with:		
															Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016
c. wrlongnum	281	.77	.98	.85	.86	.181	.022	.073	.007	3.02	3.03	2.77	2.69	19,020	1,705	131,185	.262	.670	.570	-.07	-.03	-.03	
— wrpages	277	37.21	51.01	40.45	49.26	4.531	.503	1.613	.176	75.43	68.26	60.38	63.13	18,711	1,676	129,380	.001	.435	.002	-.20	-.05	-.19	
8 a. DDrace	288	3.00	3.08	3.06	3.07	.050	.007	.024	.002	.85	.95	.93	.92	297	430	288	.098	.228	.138	-.09	-.07	-.08	
b. DDeconomic	289	2.98	3.04	3.00	3.05	.049	.007	.024	.002	.83	.93	.93	.90	298	438	289	.192	.686	.122	-.07	-.02	-.08	
c. DDreligion	289	2.89	2.94	2.89	2.98	.051	.007	.026	.003	.87	.98	.99	.95	298	444	138,309	.274	.978	.085	-.06	.00	-.10	
d. DDpolitical	287	2.96	2.94	2.90	2.97	.051	.007	.026	.003	.86	.97	.99	.94	297	443	288	.615	.260	.934	.03	.07	.00	
9 a. LSreading	285	2.92	3.14	3.05	3.11	.047	.006	.021	.002	.80	.79	.82	.77	20,024	1,764	137,596	.000	.018	.000	-.28	-.15	-.24	
b. LSnotes	283	3.10	2.98	3.09	2.93	.049	.006	.022	.002	.83	.91	.86	.90	19,941	1,757	137,267	.036	.827	.001	.13	.01	.19	
c. LSsummary	281	2.95	2.90	2.93	2.84	.051	.006	.023	.002	.86	.90	.89	.89	19,784	1,741	136,109	.418	.800	.046	.05	.02	.12	
10. challenge	285	5.65	5.58	5.55	5.53	.065	.009	.034	.003	1.09	1.24	1.29	1.17	295	453	137,202	.256	.146	.080	.06	.08	.10	
11 a. intern <sup>l</sup>	284	.060	.089	.093	.087	.0142	.0020	.0076	.0008	--	--	--	--	--	--	--	.094	.077	.117	-.11	-.12	-.10	
b. leader <sup>l</sup>	282	.102	.102	.093	.117	.0180	.0022	.0076	.0009	--	--	--	--	--	--	--	.989	.668	.423	.00	.03	-.05	
c. learncom <sup>l</sup>	281	.082	.145	.173	.150	.0164	.0025	.0099	.0010	--	--	--	--	--	--	--	.003	.000	.001	-.20	-.28	-.22	
d. abroad <sup>l</sup>	281	.043	.034	.034	.035	.0122	.0013	.0047	.0005	--	--	--	--	--	--	--	.378	.420	.465	.05	.05	.04	
e. research <sup>l</sup>	279	.051	.048	.070	.055	.0132	.0015	.0067	.0006	--	--	--	--	--	--	--	.814	.253	.799	.01	-.08	-.02	
f. capstone <sup>l</sup>	281	.031	.031	.046	.028	.0103	.0013	.0055	.0004	--	--	--	--	--	--	--	.944	.249	.801	.00	-.08	.01	
12. servcourse	283	1.68	1.66	1.77	1.63	.041	.005	.018	.002	.69	.72	.67	.69	19,592	1,733	134,976	.656	.042	.211	.03	-.13	.07	
13 a. QIstudent	281	5.39	5.45	5.31	5.49	.082	.010	.039	.004	1.37	1.45	1.49	1.39	19,529	1,724	135,106	.548	.360	.266	-.04	.06	-.07	
b. QIadvisor	281	5.42	5.22	5.07	5.18	.092	.013	.047	.005	1.54	1.74	1.77	1.69	291	440	282	.031	.001	.010	.12	.21	.14	
c. QIfaculty	281	5.40	5.27	5.12	5.28	.075	.011	.042	.004	1.26	1.53	1.58	1.45	293	472	282	.083	.001	.124	.09	.18	.08	
d. QIstaff	257	5.15	4.88	4.77	4.98	.094	.014	.050	.005	1.50	1.80	1.82	1.69	267	416	257	.006	.000	.085	.15	.21	.10	
e. QIadmin	268	5.08	4.88	4.63	4.92	.091	.013	.051	.005	1.49	1.81	1.90	1.71	279	451	269	.030	.000	.065	.11	.25	.10	
14 a. empstudy	268	3.11	3.15	3.12	3.17	.046	.006	.022	.002	.76	.78	.80	.76	18,568	1,628	127,844	.363	.811	.135	-.06	-.02	-.09	
b. SEacademic	267	2.97	3.07	3.04	3.09	.046	.006	.024	.002	.76	.86	.89	.83	276	423	267	.046	.212	.015	-.11	-.08	-.14	
c. SElearnsup	264	3.02	3.14	3.09	3.13	.053	.007	.025	.002	.85	.90	.94	.88	272	397	264	.026	.235	.034	-.13	-.08	-.13	
d. SEdiverse	266	2.55	2.76	2.68	2.76	.053	.007	.027	.003	.86	.99	.98	.97	275	411	266	.000	.021	.000	-.22	-.14	-.22	
e. SESocial	266	2.86	2.91	2.93	2.99	.051	.007	.025	.003	.83	.95	.93	.89	275	407	126,557	.343	.223	.018	-.05	-.08	-.15	
f. SEwellness	265	2.86	2.87	2.90	2.95	.052	.007	.026	.003	.84	.96	.94	.91	274	405	126,277	.831	.445	.107	-.01	-.05	-.10	
g. SEnonacad	266	2.13	2.36	2.32	2.39	.055	.008	.028	.003	.89	1.02	1.04	.99	275	422	266	.000	.002	.000	-.23	-.19	-.26	
h. SEactivities	266	2.77	2.67	2.86	2.86	.048	.008	.027	.003	.79	1.05	.97	.95	279	442	267	.041	.114	.087	.10	-.09	-.09	
i. SEevents	263	2.39	2.43	2.50	2.57	.053	.008	.028	.003	.86	1.03	1.02	.98	274	423	264	.439	.053	.001	-.04	-.12	-.18	
15 a. tmprephrs	266	14.35	14.03	13.36	14.30	.527	.062	.230	.023	8.58	8.38	8.38	8.34	18,301	1,596	126,322	.532	.081	.918	.04	.12	.01	
b. tmcocurrhrs	264	5.53	4.45	5.28	5.46	.451	.049	.198	.019	7.32	6.55	7.22	6.87	18,151	1,588	125,527	.008	.605	.856	.16	.03	.01	
c. tmworkonhrs	263	2.76	2.23	2.56	2.38	.345	.042	.161	.016	5.60	5.69	5.87	5.57	18,230	1,584	125,850	.132	.615	.278	.09	.03	.07	

# NSSE 2016 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>6</sup>

### Tennessee Technological University

#### First-Year Students

Variable Name	N	Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Tennessee Tech	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Comparisons with:			Comparisons with:			Comparisons with:		
														Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016
d. tmworkoffhrs	263	5.58	8.16	6.94	5.69	.532	.091	.300	.028	8.62	12.11	10.93	10.07	277	446	125,374	.000	.026	.857	-.21	-.13	-.01
— tmworkhrs	261	8.25	10.30	9.41	7.99	.652	.098	.340	.032	10.54	13.10	12.33	11.44	272	415	124,722	.002	.116	.712	-.16	-.10	.02
e. tmervicehrs	264	2.90	2.88	3.12	2.53	.335	.040	.141	.013	5.45	5.31	5.14	4.68	18,065	1,582	124,771	.957	.513	.207	.00	-.04	.08
f. tmrelaxhrs	264	13.06	11.38	11.50	12.12	.538	.065	.242	.024	8.75	8.63	8.81	8.49	18,140	1,583	125,323	.002	.009	.070	.20	.18	.11
g. tmcarehrs	263	2.52	5.88	3.96	3.28	.402	.080	.237	.022	6.53	10.66	8.61	7.84	284	465	264	.000	.002	.060	-.32	-.17	-.10
h. tmcommutehrs	265	4.53	3.89	4.83	3.81	.372	.045	.187	.016	6.05	6.07	6.80	5.70	18,161	409	125,583	.089	.459	.040	.11	-.05	.13
16. reading	262	2.47	2.89	2.62	2.80	.065	.008	.031	.003	1.05	1.12	1.14	1.10	18,134	1,582	125,211	.000	.057	.000	-.37	-.13	-.30
— tmreadinghrs	261	5.63	7.00	5.77	6.75	.324	.047	.156	.017	5.23	6.22	5.67	5.92	271	1,574	262	.000	.718	.001	-.22	-.02	-.19
17 a. pgwrite	264	2.56	2.94	2.81	2.85	.055	.007	.025	.003	.90	.89	.91	.89	271	1,587	125,399	.000	.000	.000	-.43	-.28	-.32
b. pgspeak	265	2.48	2.77	2.69	2.69	.054	.007	.026	.003	.88	.95	.95	.94	18,113	1,582	124,994	.000	.001	.000	-.30	-.22	-.23
c. pgthink	265	3.01	3.10	3.05	3.08	.049	.006	.023	.002	.79	.84	.85	.82	273	396	265	.045	.381	.109	-.12	-.06	-.10
d. pganalyze	265	2.68	2.61	2.71	2.62	.058	.007	.027	.003	.94	.99	.96	.97	273	1,583	124,823	.197	.651	.312	.08	-.03	.06
e. pgwork	263	2.63	2.62	2.59	2.62	.056	.007	.027	.003	.91	1.00	.99	.97	272	396	264	.888	.465	.783	.01	.05	.02
f. pgothers	263	2.70	2.87	2.85	2.84	.048	.007	.025	.003	.78	.92	.92	.90	273	422	264	.000	.006	.004	-.19	-.17	-.16
g. pgvalues	264	2.42	2.76	2.66	2.71	.056	.007	.027	.003	.90	.99	.99	.97	18,070	402	124,820	.000	.000	.000	-.35	-.25	-.30
h. pgdiverse	264	2.48	2.80	2.72	2.77	.060	.007	.027	.003	.97	.98	.99	.96	18,079	1,581	124,877	.000	.000	.000	-.33	-.25	-.30
i. pgprobsolve	264	2.49	2.65	2.63	2.63	.056	.007	.027	.003	.91	.97	.98	.95	272	397	124,782	.005	.027	.016	-.16	-.14	-.15
j. pgcitizen	264	2.46	2.63	2.60	2.63	.057	.007	.027	.003	.93	.99	.99	.96	272	1,570	124,246	.003	.038	.005	-.17	-.14	-.17
18. evalexpr	266	3.24	3.17	3.08	3.20	.040	.006	.022	.002	.65	.75	.79	.73	18,180	1,586	125,482	.102	.002	.379	.10	.21	.05
19. sameinst	266	3.34	3.17	3.13	3.21	.044	.006	.024	.002	.72	.84	.88	.81	18,188	439	125,628	.002	.000	.014	.20	.24	.15

IPEDS: 221847

# NSSE 2016 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>B</sup>

### Tennessee Technological University

#### Seniors

Variable Name	N					Mean					Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Tennessee Tech	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Comparisons with:			Comparisons with:			Comparisons with:							
														Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016					
1 a. askquest	513	3.03	3.24	3.21	3.15	.038	.005	.019	.002	.86	.84	.85	.86	32,826	2,443	217,046	.000	.000	.001	-.25	-.21	-.14					
b. drafts	511	2.39	2.58	2.56	2.45	.046	.006	.024	.002	1.03	1.04	1.04	1.03	32,436	2,428	215,012	.000	.001	.161	-.19	-.17	-.06					
c. unpreparedr	510	3.09	3.10	3.08	2.99	.035	.005	.018	.002	.79	.81	.80	.81	32,287	2,410	213,882	.830	.751	.004	-.01	.02	.13					
d. attendart	509	1.87	1.73	1.79	1.84	.039	.005	.021	.002	.88	.90	.91	.92	525	828	511	.000	.069	.345	.16	.09	.04					
e. CLaskhelp	510	2.65	2.27	2.48	2.41	.037	.005	.021	.002	.84	.92	.92	.91	31,997	866	212,345	.000	.000	.000	.41	.19	.26					
f. CLexplain	509	2.95	2.62	2.83	2.74	.035	.005	.020	.002	.79	.89	.88	.86	529	878	511	.000	.002	.000	.37	.15	.25					
g. CLstudy	506	2.83	2.32	2.57	2.47	.041	.006	.024	.002	.93	1.04	1.03	1.01	525	864	508	.000	.000	.000	.49	.25	.36					
h. CLproject	504	3.15	2.95	2.84	2.87	.037	.005	.022	.002	.82	.95	.96	.93	524	900	506	.000	.000	.000	.21	.33	.30					
i. present	505	2.73	2.65	2.67	2.70	.042	.006	.023	.002	.93	1.04	.99	.98	525	833	209,617	.081	.220	.612	.07	.06	.02					
2 a. RIntegrate	499	2.95	2.96	2.95	2.99	.039	.005	.020	.002	.88	.86	.87	.84	30,952	2,340	500	.713	.893	.305	-.02	-.01	-.05					
b. RSocietal	494	2.57	2.90	2.81	2.85	.041	.005	.022	.002	.90	.90	.92	.90	509	2,319	203,635	.000	.000	.000	-.36	-.26	-.31					
c. RIDiverse	496	2.27	2.75	2.62	2.67	.043	.005	.023	.002	.96	.95	.99	.96	30,670	806	203,320	.000	.000	.000	-.50	-.35	-.42					
d. Rlownview	491	2.70	2.93	2.84	2.87	.040	.005	.020	.002	.88	.83	.86	.84	505	2,310	492	.000	.001	.000	-.28	-.16	-.21					
e. Rlperspect	492	2.76	3.02	2.95	2.97	.038	.005	.020	.002	.84	.81	.83	.83	506	772	493	.000	.000	.000	-.32	-.24	-.26					
f. RInewview	489	2.77	2.99	2.93	2.96	.038	.005	.019	.002	.83	.81	.82	.81	504	767	490	.000	.000	.000	-.26	-.20	-.23					
g. Rlconnect	489	3.12	3.26	3.19	3.23	.035	.004	.018	.002	.77	.74	.77	.75	30,295	2,282	200,560	.000	.080	.002	-.18	-.09	-.14					
3 a. SFcareer	486	2.48	2.28	2.48	2.40	.044	.006	.024	.002	.97	.99	1.00	.98	30,315	2,278	200,654	.000	.985	.072	.21	.00	.08					
b. SFotherwork	488	2.09	1.76	1.98	1.93	.047	.006	.025	.002	1.05	.99	1.05	1.03	30,199	2,274	199,960	.000	.037	.001	.33	.11	.16					
c. SFdiscuss	485	2.30	2.00	2.24	2.17	.042	.006	.024	.002	.93	.98	1.00	.97	30,151	2,268	199,702	.000	.291	.004	.30	.05	.13					
d. SFperform	488	2.27	2.15	2.34	2.20	.041	.005	.023	.002	.91	.93	.97	.93	30,118	818	199,317	.006	.123	.125	.13	-.08	.07					
4 a. memorize	487	2.69	2.64	2.74	2.74	.042	.005	.022	.002	.94	.94	.92	.91	30,237	2,274	199,906	.244	.297	.316	.05	-.05	-.05					
b. HOapply	486	3.14	3.14	3.15	3.12	.037	.005	.019	.002	.82	.80	.81	.80	30,086	2,268	199,130	.845	.931	.557	.01	.00	.03					
c. HOanalyze	488	2.99	3.12	3.12	3.09	.040	.005	.020	.002	.89	.82	.85	.83	30,016	2,262	198,470	.001	.004	.008	-.16	-.15	-.12					
d. HOevaluate	487	2.66	3.05	2.97	2.97	.044	.005	.021	.002	.97	.84	.88	.87	498	724	488	.000	.000	.000	-.47	-.35	-.36					
e. HOform	488	2.77	3.04	3.01	2.98	.039	.005	.020	.002	.87	.84	.86	.85	502	769	490	.000	.000	.000	-.31	-.27	-.24					
5 a. ETgoals	488	3.10	3.17	3.23	3.17	.036	.005	.019	.002	.79	.81	.82	.78	504	796	199,209	.054	.002	.051	-.09	-.16	-.09					
b. ETorganize	487	3.03	3.13	3.11	3.12	.040	.005	.020	.002	.87	.83	.84	.80	30,021	2,260	198,725	.008	.053	.012	-.12	-.10	-.11					
c. ETexample	487	3.13	3.08	3.15	3.13	.038	.005	.020	.002	.83	.88	.86	.83	29,995	2,260	198,398	.183	.684	.962	.06	-.02	.00					
d. ETdraftfb	486	2.64	2.81	2.83	2.79	.044	.006	.024	.002	.98	1.00	.99	.98	29,989	2,254	198,299	.000	.000	.001	-.17	-.19	-.15					
e. ETfeedback	485	2.82	2.91	2.88	2.87	.042	.005	.022	.002	.93	.92	.93	.91	29,881	2,253	197,647	.042	.213	.305	-.09	-.06	-.05					
6 a. QRconclude	489	2.80	2.64	2.66	2.66	.043	.006	.023	.002	.94	.95	.95	.95	30,042	2,263	198,805	.000	.007	.002	.16	.14	.14					
b. QRproblem	487	2.46	2.44	2.42	2.45	.045	.006	.023	.002	.99	.97	.99	.98	29,987	2,257	198,455	.590	.407	.738	.02	.04	.02					
c. QRevaluate	487	2.42	2.40	2.39	2.44	.044	.005	.023	.002	.98	.94	.96	.95	29,946	2,261	198,100	.634	.645	.571	.02	.02	-.03					
7 a. wrshortnum	442	5.70	8.87	6.90	7.86	.282	.045	.161	.016	5.93	7.38	6.51	6.80	464	755	444	.000	.000	.000	-.43	-.19	-.32					
b. wrmednum	435	2.68	4.58	3.17	3.69	.194	.033	.102	.011	4.05	5.39	4.09	4.45	459	2,034	179,388	.000	.026	.000	-.35	-.12	-.23					

See the endnotes on the last page of this report.

# NSSE 2016 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>B</sup>

### Tennessee Technological University

#### Seniors

Variable Name	N	Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>			
		Tennessee Tech	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Comparisons with:			Comparisons with:			Comparisons with:		
															Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016
c. wrlongnum	431	1.77	2.37	1.98	2.02	.170	.027	.098	.009	3.53	4.29	3.93	3.71	451	744	176,549	.001	.302	.170	-.14	-.05	-.07	
— wrpages	426	63.50	95.49	73.40	80.86	4.266	.659	2.320	.217	88.04	104.95	91.40	89.96	445	1,976	172,056	.000	.046	.000	-.31	-.11	-.19	
8 a. DDrace	447	2.86	3.18	3.16	3.11	.044	.006	.023	.002	.94	.92	.92	.92	28,129	2,115	186,257	.000	.000	.000	-.34	-.32	-.27	
b. DDeconomic	446	2.97	3.14	3.14	3.10	.041	.005	.022	.002	.86	.90	.89	.89	461	724	448	.000	.000	.002	-.18	-.19	-.15	
c. DDreligion	448	2.91	3.02	3.04	3.02	.044	.006	.023	.002	.94	.96	.94	.94	27,996	2,102	185,465	.016	.008	.008	-.11	-.14	-.12	
d. DDpolitical	447	2.97	3.03	3.05	3.03	.042	.006	.023	.002	.89	.94	.93	.93	27,860	2,102	184,725	.185	.084	.186	-.06	-.09	-.06	
9 a. LSreading	443	2.93	3.26	3.21	3.21	.042	.005	.020	.002	.88	.78	.82	.79	27,952	2,093	185,145	.000	.000	.000	-.43	-.34	-.36	
b. LSnotes	441	2.93	2.95	3.09	2.88	.045	.006	.023	.002	.94	.94	.91	.94	27,856	2,083	184,629	.731	.001	.234	-.02	-.18	.06	
c. LSsummary	441	2.85	2.97	3.05	2.89	.044	.006	.022	.002	.92	.91	.91	.92	27,667	2,076	183,046	.006	.000	.385	-.13	-.22	-.04	
10. challenge	441	5.63	5.77	5.77	5.66	.062	.007	.031	.003	1.31	1.23	1.27	1.21	27,837	2,085	184,478	.016	.051	.615	-.12	-.10	-.02	
11 a. intern <sup>l</sup>	442	.571	.421	.445	.500	.0236	.0030	.0123	.0012	--	--	--	--	--	--	--	.000	.000	.003	.30	.25	.14	
b. leader <sup>l</sup>	440	.384	.275	.326	.353	.0232	.0027	.0116	.0011	--	--	--	--	--	--	--	.000	.022	.175	.23	.12	.06	
c. learncom <sup>l</sup>	440	.276	.212	.238	.242	.0213	.0025	.0105	.0010	--	--	--	--	--	--	--	.001	.100	.100	.15	.09	.08	
d. abroad <sup>l</sup>	440	.103	.090	.078	.138	.0145	.0017	.0066	.0008	--	--	--	--	--	--	--	.342	.096	.031	.04	.09	-.11	
e. research <sup>l</sup>	439	.285	.166	.212	.236	.0216	.0023	.0102	.0010	--	--	--	--	--	--	--	.000	.001	.016	.29	.17	.11	
f. capstone <sup>l</sup>	440	.537	.379	.434	.458	.0238	.0029	.0123	.0012	--	--	--	--	--	--	--	.000	.000	.001	.32	.20	.16	
12. servcourse	439	1.74	1.79	1.81	1.74	.032	.004	.019	.002	.67	.74	.74	.71	27,591	2,057	183,037	.164	.070	.918	-.07	-.10	.00	
13 a. QIstudent	434	5.77	5.66	5.63	5.66	.061	.008	.034	.003	1.27	1.33	1.35	1.32	449	724	435	.071	.038	.079	.08	.11	.08	
b. QIadvisor	434	5.28	5.31	5.31	5.22	.086	.011	.044	.004	1.80	1.76	1.76	1.77	27,202	2,036	180,839	.679	.776	.514	-.02	-.02	.03	
c. QIfaculty	435	5.51	5.58	5.44	5.54	.070	.009	.038	.003	1.46	1.42	1.51	1.39	27,195	2,043	181,279	.343	.371	.633	-.05	.05	-.02	
d. QIstaff	387	4.86	4.91	4.81	4.89	.086	.013	.051	.005	1.69	1.83	1.82	1.75	403	679	148,641	.568	.629	.682	-.03	.03	-.02	
e. QIadmin	430	4.83	5.00	4.65	4.88	.080	.011	.047	.004	1.66	1.80	1.87	1.75	446	757	173,205	.033	.051	.565	-.10	.10	-.03	
14 a. empstudy	414	3.14	3.17	3.19	3.17	.039	.005	.019	.002	.79	.78	.75	.77	26,371	1,984	175,373	.433	.159	.415	-.04	-.08	-.04	
b. SEacademic	410	2.92	2.98	2.92	2.96	.040	.005	.022	.002	.82	.87	.87	.86	26,129	675	173,951	.132	.944	.344	-.07	.00	-.05	
c. SElearnsup	409	2.71	2.94	2.84	2.88	.047	.006	.024	.002	.96	.94	.95	.93	420	1,973	409	.000	.015	.000	-.24	-.13	-.18	
d. SEdiverse	405	2.43	2.67	2.57	2.60	.050	.006	.025	.002	1.01	1.02	1.00	1.01	26,134	1,966	173,980	.000	.011	.000	-.24	-.14	-.17	
e. SESocial	409	2.81	2.75	2.85	2.84	.046	.006	.024	.002	.92	.98	.94	.93	422	1,971	173,780	.193	.412	.480	.06	-.05	-.04	
f. SEwellness	407	2.66	2.65	2.78	2.75	.047	.006	.025	.002	.96	1.02	.99	.97	421	1,967	173,387	.743	.039	.078	.02	-.12	-.09	
g. SEonacad	402	2.01	2.12	2.06	2.10	.048	.006	.025	.002	.97	1.03	1.00	1.00	416	1,962	403	.022	.376	.062	-.11	-.05	-.09	
h. SEactivities	405	2.57	2.43	2.65	2.63	.045	.007	.025	.002	.91	1.06	.99	1.00	421	672	406	.002	.127	.214	.13	-.08	-.06	
i. SEevents	405	2.29	2.27	2.36	2.40	.046	.006	.025	.002	.93	1.02	.99	.98	420	664	406	.759	.161	.016	.01	-.08	-.11	
15 a. tmprephrs	409	16.42	15.01	15.06	14.87	.469	.055	.229	.021	9.49	8.85	9.08	8.89	420	1,973	410	.003	.008	.001	.16	.15	.17	
b. tmcourhrs	407	5.37	3.71	4.17	4.66	.376	.041	.176	.017	7.59	6.50	6.93	6.90	416	595	408	.000	.004	.058	.26	.17	.10	
c. tmworkonhrs	407	4.29	2.84	3.46	3.71	.370	.042	.186	.017	7.48	6.73	7.34	7.24	417	1,966	172,702	.000	.044	.107	.22	.11	.08	

# NSSE 2016 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>B</sup>

### Tennessee Technological University

#### Seniors

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Tennessee Tech	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Tennessee Tech	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Comparisons with:			Comparisons with:			Comparisons with:						
														Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016	Carnegie Class	THEC Peer Group	NSSE 2015 & 2016				
d. tmworkoffhrs	405	10.20	15.63	14.36	12.65	.624	.089	.350	.032	12.56	14.24	13.77	13.39	421	681	406	.000	.000	.000	-.38	-.31	-.18				
— tmworkhrs	404	14.51	18.36	17.66	16.26	.655	.088	.357	.032	13.17	14.05	14.00	13.41	418	663	170,971	.000	.000	.009	-.27	-.23	-.13				
e. tmservehrs	406	3.08	3.57	3.87	3.24	.241	.037	.166	.013	4.85	5.89	6.53	5.52	425	831	171,656	.045	.006	.541	-.08	-.13	-.03				
f. tmrelaxhrs	403	10.22	9.60	10.03	10.51	.412	.049	.209	.019	8.27	7.84	8.24	8.06	25,909	1,952	172,321	.115	.675	.470	.08	.02	-.04				
g. tmcarehrs	400	4.86	9.83	8.39	6.74	.490	.082	.318	.028	9.80	13.11	12.53	11.50	421	768	401	.000	.000	.000	-.38	-.29	-.16				
h. tmcommutehrs	403	4.85	4.30	5.38	4.81	.269	.037	.164	.014	5.40	5.91	6.47	5.70	417	731	172,786	.046	.094	.882	.09	-.08	.01				
16. reading	404	2.37	3.00	2.85	2.91	.059	.007	.031	.003	1.18	1.16	1.23	1.18	416	1,958	172,590	.000	.000	.000	-.54	-.39	-.45				
— tmreadinghrs	404	6.06	7.87	7.40	7.37	.306	.042	.176	.016	6.16	6.75	6.91	6.45	419	693	405	.000	.000	.000	-.27	-.20	-.20				
17 a. pgwrite	401	2.85	3.12	2.97	3.04	.046	.006	.024	.002	.92	.89	.93	.90	25,974	1,955	401	.000	.014	.000	-.31	-.14	-.21				
b. pgspeak	401	2.90	2.93	2.88	2.93	.046	.006	.024	.002	.92	.97	.96	.94	25,884	1,958	172,265	.512	.665	.493	-.03	.02	-.03				
c. pgthink	402	3.27	3.30	3.25	3.30	.041	.005	.021	.002	.82	.80	.84	.80	25,884	1,956	172,267	.343	.767	.370	-.05	.02	-.04				
d. pganalyze	400	2.93	2.82	2.83	2.84	.048	.006	.025	.002	.97	.99	.98	.99	412	1,950	172,160	.023	.066	.067	.11	.10	.09				
e. pgwork	402	3.04	2.96	2.92	2.94	.047	.006	.025	.002	.94	.98	.99	.97	25,936	1,960	172,419	.106	.037	.043	.08	.12	.10				
f. pgothers	398	3.10	3.07	3.01	3.04	.044	.006	.023	.002	.88	.90	.92	.90	25,841	1,947	172,042	.438	.061	.196	.04	.11	.06				
g. pgvalues	399	2.74	2.90	2.74	2.83	.051	.006	.026	.002	1.01	1.01	1.03	1.01	25,886	1,954	172,230	.002	.990	.100	-.15	.00	-.08				
h. pgdiverse	401	2.63	2.88	2.75	2.82	.050	.006	.026	.002	1.00	.99	1.01	.99	25,896	1,952	172,206	.000	.044	.000	-.25	-.11	-.19				
i. pgprobsolve	396	2.87	2.84	2.78	2.82	.047	.006	.025	.002	.94	.98	.99	.96	409	637	172,071	.485	.087	.324	.03	.09	.05				
j. pgcitizen	399	2.53	2.72	2.60	2.68	.050	.006	.026	.002	1.00	1.02	1.02	1.01	25,751	1,944	171,382	.000	.251	.003	-.18	-.06	-.15				
18. evalexp	403	3.29	3.25	3.15	3.25	.040	.005	.020	.002	.80	.77	.79	.76	26,027	1,961	173,010	.357	.002	.342	.05	.17	.05				
19. sameinst	404	3.24	3.20	3.15	3.21	.045	.005	.023	.002	.90	.87	.89	.85	26,041	1,968	173,200	.363	.078	.560	.05	.10	.03				

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### Endnotes

- a. Column percentages are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Percentages may not sum to 100 due to rounding. Counts are unweighted; column percentages cannot be replicated from counts.
- b. All statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). 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.
- c. Items which 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 & Integrative Learning, SE = Supportive Environment, and SF = Student-Faculty Interaction.
- d. 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.
- e. Effect size for independent  $t$ -tests uses Cohen's  $d$ ;  $z$ -tests use Cohen's  $h$ . See page 2 for more details.
- f. Statistical comparison uses  $z$ -test to compare the percentage who responded "Done or in progress."
- g. Statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups).
- h. Standard error of the mean for ordered and continuous variables; standard error of the proportion for items indicating "Done or in progress" (High-Impact Practices). The 95% confidence interval is equal to the sample mean plus or minus 1.96 times the standard error of the mean.
- i. A measure of the amount individual scores deviate from the mean of all the scores in the distribution.
- j. Degrees of freedom used to compute the  $t$ -tests. Values differ from  $N$ s due to weighting and whether equal variances were assumed.
- k. Statistical comparisons are two-tailed independent  $t$ -tests or  $z$ -tests. Statistical significance represents the probability that the difference between your students' mean and that of the comparison group is due to chance.
- l. Mean represents the proportion who responded "Done or in progress."