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# NSSE 2019

## Frequencies and Statistical Comparisons

### Tennessee Technological University

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# NSSE 2019 Frequencies and Statistical Comparisons

## About This Report

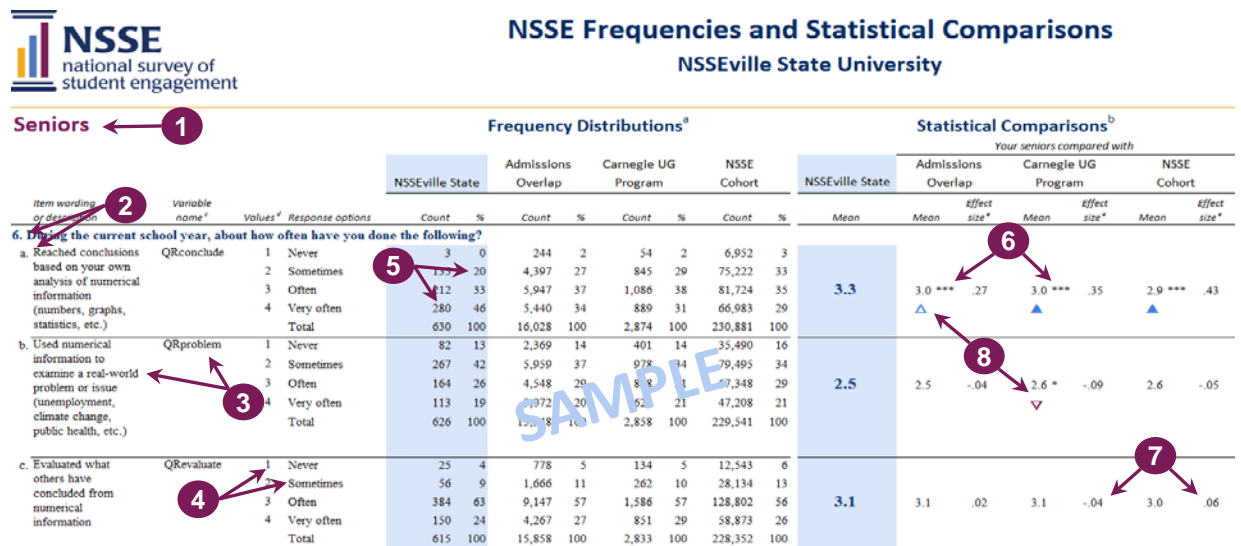
The *Frequencies and Statistical Comparisons* report presents item-by-item student responses and statistical comparisons that allow you to examine patterns of similarity and difference between your students and those at your comparison group institutions. The report uses information from all randomly 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.

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

- Values and response options:** Values are used to calculate means. Response options are worded as they appear on the instrument.
- 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/links/weights](http://nsse.indiana.edu/links/weights)

- 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.



		Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>									
		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE Cohort		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE Cohort			
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	effect size <sup>e</sup>	Mean	effect size <sup>e</sup>	Mean	effect size <sup>e</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	155	20	4,397	27	845	29	75,222	33								
		3	Often	112	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	853	31	77,348	29								
		4	Very often	113	19	3,072	20	62	21	47,208	21								
			Total	626	100	15,818	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								

- 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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
<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	23	4	1,732	5	86	4	6,991	4	<b>2.6</b>	2.7 *	-.11	2.9 ***	-.30	2.8 ***	-.23	
		2	Sometimes	258	45	16,246	40	795	33	76,710	35								
		3	Often	195	34	14,334	34	814	35	77,717	35								
		4	Very often	104	17	9,212	21	641	29	56,512	26								
		Total		580	100	41,524	100	2,336	100	217,930	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	120	21	8,227	21	427	19	36,737	17	<b>2.4</b>	2.4	.08	2.5	-.07	2.5	-.04	
		2	Sometimes	188	32	15,092	37	784	33	77,171	35								
		3	Often	160	28	11,378	27	634	27	63,397	29								
		4	Very often	111	18	6,593	15	478	21	39,593	18								
		Total		579	100	41,290	100	2,323	100	216,898	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	19	4	2,538	6	101	5	10,489	5	<b>3.1</b>	2.9 ***	.29	3.1 *	.10	3.0 **	.13	
		2	Often	51	10	6,506	16	263	12	27,195	13								
		3	Sometimes	309	54	23,470	56	1,313	56	120,625	55								
		4	Never	202	32	8,767	21	645	28	58,481	27								
		Total		581	100	41,281	100	2,322	100	216,790	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	95	17	15,490	40	822	34	81,905	40	<b>2.2</b>	1.9 ***	.31	2.0 ***	.16	1.9 ***	.30	
		2	Sometimes	329	57	16,142	39	899	39	81,825	37								
		3	Often	106	18	6,183	14	376	17	33,680	15								
		4	Very often	50	8	3,348	8	224	10	18,856	8								
		Total		580	100	41,163	100	2,321	100	216,266	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	32	6	2,637	7	176	8	19,230	11	<b>2.8</b>	2.7	.07	2.7 **	.12	2.6 ***	.19	
		2	Sometimes	179	32	13,910	35	850	37	77,427	36								
		3	Often	233	40	15,575	37	784	34	77,721	35								
		4	Very often	136	22	8,992	21	497	21	41,604	18								
		Total		580	100	41,114	100	2,307	100	215,982	100								
f. Explained course material to one or more students	CLexplain	1	Never	21	4	1,347	4	124	6	12,066	7	<b>2.8</b>	2.8	-.01	2.7	.07	2.7 **	.12	
		2	Sometimes	199	33	13,538	33	861	37	75,488	35								
		3	Often	235	41	17,301	42	812	36	85,967	39								
		4	Very often	124	22	8,840	22	501	22	41,919	19								
		Total		579	100	41,026	100	2,298	100	215,440	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	66	11	4,630	12	323	15	30,345	16	<b>2.6</b>	2.7	-.01	2.6	.04	2.5 **	.12
		2	Sometimes	189	34	13,111	32	752	33	72,131	34							
		3	Often	194	34	13,612	33	686	30	68,396	31							
		4	Very often	123	21	9,457	22	521	23	43,378	19							
		Total		572	100	40,810	100	2,282	100	214,250	100							
h. Worked with other students on course projects or assignments	CLproject	1	Never	23	4	2,423	6	209	9	16,616	9	<b>2.8</b>	2.7 *	.10	2.6 ***	.20	2.6 ***	.18
		2	Sometimes	187	33	14,389	36	851	38	76,123	36							
		3	Often	240	41	15,332	37	771	34	79,675	36							
		4	Very often	122	21	8,467	20	430	19	40,807	18							
		Total		572	100	40,611	100	2,261	100	213,221	100							
i. Given a course presentation	present	1	Never	92	17	8,651	22	544	23	37,337	19	<b>2.3</b>	2.2 ***	.14	2.3	.05	2.3	.03
		2	Sometimes	246	44	18,318	45	884	39	91,155	42							
		3	Often	162	28	9,435	23	551	25	58,304	26							
		4	Very often	71	12	4,138	10	288	14	26,171	12							
		Total		571	100	40,542	100	2,267	100	212,967	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	47	9	3,024	8	247	10	16,760	9	<b>2.5</b>	2.6	-.08	2.6	-.05	2.6	-.07
		2	Sometimes	237	41	15,664	40	890	39	82,583	39							
		3	Often	218	39	15,311	38	749	34	79,090	37							
		4	Very often	65	11	6,034	15	346	16	31,872	15							
		Total		567	100	40,033	100	2,232	100	210,305	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	78	14	3,499	10	277	12	18,808	10	<b>2.4</b>	2.6 ***	-.23	2.5 ***	-.17	2.6 ***	-.25
		2	Sometimes	269	47	15,294	39	895	40	79,773	38							
		3	Often	151	27	14,559	35	694	32	75,982	35							
		4	Very often	69	12	6,398	15	333	16	34,410	16							
		Total		567	100	39,750	100	2,199	100	208,973	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	77	15	3,954	12	277	13	20,669	11	<b>2.4</b>	2.5 ***	-.15	2.6 ***	-.16	2.6 ***	-.18
		2	Sometimes	240	43	14,672	38	828	38	77,481	38							
		3	Often	172	29	13,931	34	682	32	72,743	34							
		4	Very often	76	13	6,847	16	394	18	36,436	17							
		Total		565	100	39,404	100	2,181	100	207,329	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 2019 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	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>								
				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	34	6	1,703	5	119	5	9,041	<b>2.7</b>	2.8 *	-10	2.8 **	-13	2.8 **	-13			
		2	Sometimes	209	37	12,379	32	695	30	64,794								▽	▽	▽
		3	Often	221	39	17,774	44	937	44	93,278										
		4	Very often	95	18	7,170	18	414	20	38,407										
		Total		559	100	39,026	100	2,165	100	205,520								100		
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	Rlperspect	1	Never	21	4	980	3	64	3	5,284	<b>2.8</b>	2.9 ***	-15	2.9 ***	-16	2.9 ***	-17			
		2	Sometimes	173	32	10,120	27	614	28	53,109								▽	▽	▽
		3	Often	251	45	18,099	46	915	43	94,936										
		4	Very often	105	19	9,315	24	540	26	49,782										
		Total		550	100	38,514	100	2,133	100	203,111								100		
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	18	3	947	3	71	3	5,395	<b>2.7</b>	2.8 **	-12	2.8 *	-12	2.9 ***	-14			
		2	Sometimes	190	36	11,354	31	674	31	59,154								▽	▽	▽
		3	Often	248	45	17,542	45	907	44	91,931										
		4	Very often	92	16	8,230	21	454	21	44,334										
		Total		548	100	38,073	100	2,106	100	200,814								100		
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	9	2	397	1	34	2	2,386	<b>2.9</b>	3.0 **	-12	3.0	-08	3.0 **	-13			
		2	Sometimes	138	25	7,579	21	498	23	40,729								▽	▽	▽
		3	Often	276	51	19,292	50	1,014	49	100,112										
		4	Very often	121	22	10,409	27	534	26	55,572										
		Total		544	100	37,677	100	2,080	100	198,799								100		
<b>3. During the current school year, about how often have you done the following?</b>																				
a. Talked about career plans with a faculty member	SFcareer	1	Never	86	17	6,931	19	362	17	35,681	<b>2.4</b>	2.3 **	.12	2.5	-05	2.3 *	.08			
		2	Sometimes	220	40	16,513	44	825	39	84,633								△	△	△
		3	Often	145	27	9,379	24	544	27	50,545										
		4	Very often	90	16	4,883	13	356	18	28,058										
		Total		541	100	37,706	100	2,087	100	198,917								100		
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	240	45	17,328	47	1,010	47	91,068	<b>1.9</b>	1.8	.05	1.9	-02	1.8	.04			
		2	Sometimes	183	34	12,243	32	590	29	63,568										
		3	Often	73	14	5,441	14	297	15	29,407										
		4	Very often	42	8	2,503	7	175	9	13,926										
		Total		538	100	37,515	100	2,072	100	197,969								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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	164	30	11,434	32	688	32	58,900	32	<b>2.0</b>	2.0	.03	2.1	-.05	2.0	.00	
		2	Sometimes	232	44	16,417	44	808	38	84,026	42								
		3	Often	96	19	6,697	18	376	19	38,248	19								
		4	Very often	38	7	2,649	7	182	10	15,248	8								
		Total		530	100	37,197	100	2,054	100	196,422	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	117	23	9,401	26	460	21	44,769	24	<b>2.2</b>	2.1	.08	2.3 *	-.11	2.2	.00	
		2	Sometimes	248	46	17,262	46	911	43	89,404	45								
		3	Often	119	22	7,627	20	458	23	44,352	22								
		4	Very often	46	8	2,841	8	231	12	17,588	9								
		Total		530	100	37,131	100	2,060	100	196,113	100								
<b>4. During the current school year, how much has your coursework emphasized the following?</b>																			
a. Memorizing course material	memorize	1	Very little	8	1	1,109	3	57	3	6,799	4	<b>3.1</b>	3.0 ***	.17	3.0 ***	.18	2.9 ***	.22	
		2	Some	94	18	9,001	25	523	25	49,707	26								
		3	Quite a bit	255	50	17,023	46	929	46	89,166	46								
		4	Very much	173	30	9,819	26	537	26	49,434	25								
		Total		530	100	36,952	100	2,046	100	195,106	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	19	4	1,027	3	83	4	6,543	4	<b>2.9</b>	3.0	-.03	2.9	.06	2.9	.04	
		2	Some	134	24	8,369	23	550	27	49,113	26								
		3	Quite a bit	238	46	17,553	47	907	45	91,271	47								
		4	Very much	136	26	9,848	26	488	24	47,177	24								
		Total		527	100	36,797	100	2,028	100	194,104	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	25	5	1,195	4	74	4	6,799	4	<b>2.9</b>	2.9	-.06	2.9	-.01	2.9	-.04	
		2	Some	148	29	9,268	26	565	28	50,632	27								
		3	Quite a bit	217	41	16,601	45	909	46	86,917	45								
		4	Very much	130	25	9,476	25	459	23	48,117	25								
		Total		520	100	36,540	100	2,007	100	192,465	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	29	6	1,581	5	82	4	7,067	4	<b>2.7</b>	2.8 **	-.14	2.9 ***	-.21	2.9 ***	-.20	
		2	Some	172	34	9,852	28	553	27	49,904	27								
		3	Quite a bit	210	40	16,254	44	874	45	87,987	45								
		4	Very much	108	20	8,681	23	488	25	46,582	24								
		Total		519	100	36,368	100	1,997	100	191,540	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	38	8	1,513	5	80	4	7,106	4	<b>2.8</b>	2.8 *	-0.11	2.9 **	-0.16	2.9 **	-0.14	
		2	Some	154	30	9,846	28	551	27	51,155	27								
		3	Quite a bit	214	41	16,350	45	880	45	87,621	45								
		4	Very much	112	21	8,529	22	473	24	44,931	23								
		Total		518	100	36,238	100	1,984	100	190,813	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	8	2	618	2	38	2	3,905	2	<b>3.1</b>	3.0	.02	3.1	-0.02	3.1	-0.01	
		2	Some	104	21	7,511	22	440	22	38,820	21								
		3	Quite a bit	250	48	17,239	47	856	43	87,992	45								
		4	Very much	150	29	10,648	29	643	33	58,955	31								
		Total		512	100	36,016	100	1,977	100	189,672	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	12	3	1,060	3	82	4	6,706	4	<b>3.0</b>	3.0	.07	3.0	.08	3.0	.06	
		2	Some	117	22	8,020	23	471	23	41,024	22								
		3	Quite a bit	227	44	17,240	47	855	44	87,438	45								
		4	Very much	159	31	9,636	27	565	29	54,067	29								
		Total		515	100	35,956	100	1,973	100	189,235	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	10	2	1,038	3	61	3	6,451	4	<b>3.1</b>	3.0 *	.09	3.0	.05	3.0	.08	
		2	Some	107	21	7,979	23	441	23	41,655	22								
		3	Quite a bit	230	44	16,262	45	837	42	82,215	43								
		4	Very much	167	33	10,577	29	626	32	58,495	31								
		Total		514	100	35,856	100	1,965	100	188,816	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	46	9	3,023	9	119	6	13,425	8	<b>2.8</b>	2.7	.06	2.9 *	-0.12	2.8	-0.07	
		2	Some	160	32	11,305	32	538	28	53,587	29								
		3	Quite a bit	172	33	13,414	37	777	40	71,592	37								
		4	Very much	134	26	8,079	22	529	27	49,979	27								
		Total		512	100	35,821	100	1,963	100	188,583	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	44	9	3,481	10	176	8	15,794	9	<b>2.7</b>	2.6	.04	2.7 *	-0.11	2.7	-0.08	
		2	Some	193	37	12,653	36	617	31	60,244	32								
		3	Quite a bit	172	34	13,206	36	726	38	71,469	37								
		4	Very much	103	20	6,346	18	444	23	40,404	22								
		Total		512	100	35,686	100	1,963	100	187,911	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
<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	30	5	3,457	9	169	8	21,072	11	<b>2.7</b>	2.6 **	.13	2.6 *	.10	2.6 ***	.18	
		2	Sometimes	185	35	12,808	36	719	36	69,875	37								
		3	Often	198	41	13,503	38	731	38	67,809	37								
		4	Very often	88	18	5,578	16	322	17	27,303	15								
		Total		501	100	35,346	100	1,941	100	186,059	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	108	21	7,053	20	407	21	38,240	20	<b>2.3</b>	2.3	-.03	2.3	-.04	2.3	-.02	
		2	Sometimes	205	41	13,944	39	776	39	74,960	40								
		3	Often	130	27	10,165	29	499	27	51,954	28								
		4	Very often	55	12	4,000	12	247	13	19,888	11								
		Total		498	100	35,162	100	1,929	100	185,042	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	95	18	5,714	16	368	18	35,056	19	<b>2.3</b>	2.4	-.08	2.3	-.04	2.3	-.02	
		2	Sometimes	224	46	14,710	42	814	41	78,289	42								
		3	Often	129	26	11,014	31	530	29	53,352	29								
		4	Very often	50	10	3,615	11	204	11	17,633	10								
		Total		498	100	35,053	100	1,916	100	184,330	100								
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)</b>																			
a. Up to 5 pages	wrshortnum <i>(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	84	18	2,036	6	164	9	10,019	6	<b>4.5</b>	6.4 ***	-.33	5.8 ***	-.25	6.6 ***	-.37	
		1.5	1-2	137	27	6,923	20	431	22	34,409	19								
		4	3-5	131	26	11,719	33	644	34	59,645	33								
		8	6-10	99	20	7,906	22	400	21	43,169	23								
		13	11-15	33	6	3,547	10	152	8	19,499	10								
		18	16-20	7	1	1,413	4	67	4	8,436	4								
		23	More than 20	8	2	1,466	4	67	3	9,059	5								
Total		499	100	35,010	100	1,925	100	184,236	100										
b. Between 6 and 10 pages	wrmednum <i>(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	320	64	11,836	35	852	43	61,385	35	<b>1.2</b>	2.3 ***	-.33	2.0 ***	-.24	2.4 ***	-.34	
		1.5	1-2	107	22	13,063	37	638	34	69,510	37								
		4	3-5	50	9	6,465	18	276	14	34,354	18								
		8	6-10	16	3	2,349	7	98	6	12,858	7								
		13	11-15	4	1	841	2	35	2	3,718	2								
		18	16-20	2	1	180	0	5	0	898	0								
		23	More than 20	2	0	175	1	8	1	1,044	1								
Total		501	100	34,909	100	1,912	100	183,767	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
c. 11 pages or more	wrlongnum	0	None	449	90	26,433	75	1,568	81	138,780	75	<b>.6</b>	.9 **	-.12	.8	-.08	1.0 **	-.13	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	30	6	5,778	17	208	11	30,648	16								
		4	3-5	6	1	1,320	4	66	4	6,872	4								
		8	6-10	4	1	650	2	41	3	3,600	2								
		13	11-15	7	1	508	2	22	1	2,483	2								
		18	16-20	2	1	97	0	5	0	531	0								
		23	More than 20	2	0	147	0	5	0	910	1								
		Total			500	100	34,933	100	1,915	100	183,824	100							
Estimated number of assigned pages of student writing.	wpages											<b>32.1</b>	51.2 ***	-.27	45.5 ***	-.20	52.7 ***	-.29	
			(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)																
<b>8. During the current school year, about how often have you had discussions with people from the following groups?</b>																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	30	6	1,022	3	117	7	8,616	5	<b>2.9</b>	3.1 ***	-.22	2.9	-.01	3.0 **	-.12	
		2	Sometimes	143	28	7,657	23	502	27	44,771	24								
		3	Often	167	34	11,543	33	620	32	59,897	32								
		4	Very often	160	32	14,658	41	675	34	70,205	38								
			Total	500	100	34,880	100	1,914	100	183,489	100								
b. People from an economic background other than your own	DDeconomic	1	Never	20	4	1,068	3	111	6	8,013	5	<b>3.0</b>	3.1	-.08	3.0	.07	3.0	.00	
		2	Sometimes	117	23	7,415	22	475	25	42,605	24								
		3	Often	201	40	12,882	37	676	36	67,530	36								
		4	Very often	162	33	13,463	38	650	33	65,023	35								
			Total	500	100	34,828	100	1,912	100	183,171	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	33	6	1,452	5	124	7	12,143	7	<b>2.9</b>	3.0 ***	-.17	2.9	.00	2.9	-.05	
		2	Sometimes	142	28	8,177	24	544	29	49,308	27								
		3	Often	177	36	11,734	33	621	33	59,698	32								
		4	Very often	145	30	13,471	38	626	32	62,034	34								
			Total	497	100	34,834	100	1,915	100	183,183	100								
d. People with political views other than your own	DDpolitical	1	Never	20	4	1,847	5	124	7	12,306	7	<b>3.0</b>	3.0	.03	2.9 *	.09	2.9 *	.09	
		2	Sometimes	124	24	9,951	28	533	29	52,649	28								
		3	Often	207	42	11,266	32	614	32	60,151	33								
		4	Very often	148	30	11,764	34	638	32	58,028	32								
			Total	499	100	34,828	100	1,909	100	183,134	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
<b>9. During the current school year, about how often have you done the following?</b>																			
a. Identified key information from reading assignments	LSreading	1	Never	12	2	637	2	31	2	3,197	2	<b>2.9</b>	3.0	-.08	3.0 *	-.11	3.0 **	▽	-.13
		2	Sometimes	125	26	7,842	24	491	26	40,480	23								
		3	Often	253	51	16,752	48	863	46	87,465	48								
		4	Very often	108	21	9,396	26	515	27	50,865	27								
		Total		498	100	34,627	100	1,900	100	182,007	100								
b. Reviewed your notes after class	LSnotes	1	Never	19	5	1,630	5	60	3	8,221	5	<b>3.1</b>	2.9 ***	.22	3.0	.04	2.9 ***	△	.17
		2	Sometimes	105	22	10,632	32	496	27	53,013	30								
		3	Often	181	37	12,446	36	662	35	65,994	36								
		4	Very often	189	36	9,894	27	676	35	54,659	29								
		Total		494	100	34,602	100	1,894	100	181,887	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	26	6	2,146	7	106	6	10,406	6	<b>2.9</b>	2.8 *	.10	2.9	-.04	2.8	.05	
		2	Sometimes	148	30	10,946	32	523	28	55,956	31								
		3	Often	177	37	13,429	39	714	38	70,879	39								
		4	Very often	145	27	8,047	22	545	28	44,467	24								
		Total		496	100	34,568	100	1,888	100	181,708	100								
<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	4	1	305	1	16	1	1,611	1	<b>5.5</b>	5.4 *	.10	5.4	.06	5.4	.06	
		2		2	0	329	1	22	1	1,904	1								
		3		21	5	1,562	5	91	5	7,756	5								
		4		41	9	3,989	12	225	12	21,007	12								
		5		170	35	12,142	35	591	33	60,522	33								
		6		139	28	9,015	26	455	23	46,048	25								
		7	Very much	119	22	7,047	20	488	25	41,995	23								
		Total		496	100	34,389	100	1,888	100	180,843	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		65	14	3,265	10	249	14	21,837	13	<b>8%</b>	8%	-.01	6%	.07	8%	.01	
		Do not plan to do		20	4	1,447	5	105	7	9,112	6								
		Plan to do		370	73	26,799	77	1,420	73	135,690	73								
		Done or in progress		38	8	2,839	8	113	6	13,969	8								
		Total		493	100	34,350	100	1,887	100	180,608	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
b. Hold a formal leadership role in a student organization or group	leader <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	140	28	7,816	23	541	28	48,720	27	<b>12%</b>	13%	-.03	9%	.09	11%	.02	
			Do not plan to do	134	28	6,230	19	494	26	40,344	24								
			Plan to do	160	32	15,838	45	680	37	70,903	38								
			Done or in progress	58	12	4,386	13	167	9	20,141	11								
			Total	492	100	34,270	100	1,882	100	180,108	100								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	199	40	9,818	29	651	34	59,754	33	<b>7%</b>	15% *** ▽	-.26	10%	-.10	13% *** ▽	-.19	
			Do not plan to do	133	28	10,034	30	497	26	47,038	27								
			Plan to do	124	26	9,259	26	557	31	50,190	28								
			Done or in progress	35	7	5,049	15	171	10	22,460	13								
			Total	491	100	34,160	100	1,876	100	179,442	100								
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	170	34	8,271	25	622	32	49,143	28	<b>1%</b>	4% ** ▽	-.17	3% * ▽	-.12	3% * ▽	-.13	
			Do not plan to do	189	40	7,334	23	622	34	47,566	29								
			Plan to do	125	25	17,362	48	583	30	77,440	40								
			Done or in progress	8	1	1,209	4	47	3	5,408	3								
			Total	492	100	34,176	100	1,874	100	179,557	100								
e. Work with a faculty member on a research project	research <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	198	41	11,486	34	711	37	67,729	38	<b>5%</b>	5%	-.02	5%	-.01	5%	.02	
			Do not plan to do	125	24	7,378	21	487	26	42,296	24								
			Plan to do	147	31	13,458	39	593	32	61,315	34								
			Done or in progress	21	5	1,846	5	87	5	8,186	5								
			Total	491	100	34,168	100	1,878	100	179,526	100								
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	179	37	10,462	32	622	32	57,057	33	<b>1%</b>	2%	-.07	4% ** ▽	-.20	2%	-.08	
			Do not plan to do	48	9	3,567	11	205	11	18,443	11								
			Plan to do	259	53	19,483	55	986	52	100,472	54								
			Done or in progress	6	1	619	2	62	4	3,195	2								
			Total	492	100	34,131	100	1,875	100	179,167	100								

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

	servcourse	1	None	197	42	18,372	53	900	47	82,693	47	<b>1.7</b>	1.6 *** △	.18	1.7	.04	1.6	.05
		2	Some	251	49	13,088	39	802	43	78,866	43							
		3	Most	31	6	2,057	6	136	8	13,825	8							
		4	All	9	2	499	2	28	2	3,184	2							
		Total		488	100	34,016	100	1,866	100	178,568	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class	Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																		
a. Students	QIstudent	1	Poor	1	0	459	2	34	2	2,652	2	<b>5.6</b>	5.4 **	.13	5.3 ***	.18	5.4 **	.13
		2		10	2	605	2	48	3	3,633	2							
		3		20	4	1,560	5	95	5	8,843	5							
		4		54	11	4,045	12	281	15	22,292	13							
		5		126	26	9,571	28	509	27	48,141	27							
		6		139	29	9,318	27	429	24	45,508	25							
		7	Excellent	137	27	8,282	24	447	25	45,202	25							
		—	Not applicable	2	0	139	0	15	1	2,183	2							
			Total	489	100	33,979	100	1,858	100	178,454	100							
b. Academic advisors	QIadvisor	1	Poor	7	1	885	3	51	3	5,165	3	<b>5.6</b>	5.3 ***	.18	5.3 ***	.17	5.3 ***	.17
		2		9	2	1,297	4	77	4	6,926	4							
		3		32	6	2,391	7	150	8	12,547	7							
		4		53	10	4,651	14	238	13	23,308	13							
		5		97	20	7,139	21	345	18	35,650	20							
		6		121	25	7,328	22	381	20	37,069	21							
		7	Excellent	165	34	9,795	29	582	31	54,121	31							
		—	Not applicable	3	1	449	1	31	2	3,467	2							
			Total	487	100	33,935	100	1,855	100	178,253	100							
c. Faculty	QIfaculty	1	Poor	3	0	459	2	38	2	2,655	2	<b>5.4</b>	5.3 **	.12	5.3 *	.11	5.4	.06
		2		14	3	817	3	56	3	4,212	3							
		3		23	4	1,900	6	118	6	9,762	6							
		4		62	13	4,918	14	274	14	23,508	13							
		5		116	24	9,780	29	481	25	46,047	25							
		6		158	33	9,278	27	446	24	48,399	26							
		7	Excellent	107	21	6,483	19	430	24	41,824	24							
		—	Not applicable	4	1	298	1	13	1	1,794	1							
			Total	487	100	33,933	100	1,856	100	178,201	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	3	0	966	3	64	3	5,798	3	<b>5.4</b>	5.1 ***	.21	5.1 ***	.21	5.1 ***	.19	
		2		11	2	1,205	4	76	4	6,562	4								
		3		29	5	2,315	7	132	7	12,027	7								
		4		60	12	5,014	15	266	14	24,214	13								
		5		105	23	7,964	23	347	19	38,431	21								
		6		124	26	7,354	21	369	19	37,180	20								
		7	Excellent	109	21	6,627	20	413	22	37,803	21								
		—	Not applicable	48	10	2,484	8	190	11	16,136	11								
Total				489	100	33,929	100	1,857	100	178,151	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	12	2	1,084	3	87	5	6,013	4	<b>5.3</b>	5.0 ***	.20	4.9 ***	.23	5.1 **	.13	
		2		14	2	1,359	4	112	6	7,305	4								
		3		31	7	2,564	7	169	9	13,039	7								
		4		66	14	5,375	16	246	13	25,834	14								
		5		116	23	7,796	23	392	20	39,040	21								
		6		119	25	6,678	19	377	20	36,888	20								
		7	Excellent	108	23	5,812	18	383	21	38,168	22								
		—	Not applicable	21	4	3,249	10	95	5	11,848	7								
Total				487	100	33,917	100	1,861	100	178,135	100								
<b>14. How much does your institution emphasize the following?</b>																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	1	0	494	2	29	2	2,865	2	<b>3.2</b>	3.1 **	.12	3.1 *	.11	3.1 **	.14	
		2	Some	78	16	6,148	19	344	20	32,880	19								
		3	Quite a bit	242	50	16,520	49	833	45	85,366	48								
		4	Very much	168	34	10,621	31	644	33	56,308	31								
		Total				489	100	33,783	100	1,850	100								177,419
b. Providing support to help students succeed academically	SEacademic	1	Very little	8	1	919	3	71	4	5,545	4	<b>3.1</b>	3.0	.03	3.1	-.01	3.1	.02	
		2	Some	109	22	6,964	21	362	20	35,038	21								
		3	Quite a bit	207	44	15,112	44	724	40	75,980	42								
		4	Very much	164	32	10,694	32	683	36	60,388	33								
		Total				488	100	33,689	100	1,840	100								176,951
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	25	5	1,468	5	82	5	8,295	5	<b>3.1</b>	3.1	.00	3.2 *	-.12	3.1	-.02	
		2	Some	83	17	6,130	19	270	16	30,330	18								
		3	Quite a bit	194	42	13,622	40	640	36	67,597	38								
		4	Very much	184	36	12,453	37	851	44	70,673	39								
		Total				486	100	33,673	100	1,843	100								176,895

\*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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	41	8	3,084	10	195	11	18,313	11	<b>2.7</b>	2.8 *	-0.10	2.8	-0.09	2.8	-0.08	
		2	Some	169	35	9,255	28	516	28	49,360	28								
		3	Quite a bit	167	35	12,171	36	629	35	62,461	35								
		4	Very much	110	21	9,109	26	500	27	46,471	26								
		Total		487	100	33,619	100	1,840	100	176,605	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	16	3	1,507	5	86	5	9,555	6	<b>3.0</b>	3.0	-0.02	3.0	-0.03	3.0	.02	
		2	Some	112	24	7,303	22	406	23	39,191	23								
		3	Quite a bit	216	45	14,084	42	733	40	71,734	40								
		4	Very much	143	28	10,698	31	608	32	55,889	31								
		Total		487	100	33,592	100	1,833	100	176,369	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	25	5	1,852	6	102	5	11,763	7	<b>2.9</b>	3.0	-0.06	3.0	-0.07	2.9	.01	
		2	Some	113	23	7,525	23	407	23	41,256	24								
		3	Quite a bit	208	45	13,482	40	722	40	69,385	39								
		4	Very much	140	27	10,689	32	605	32	53,644	30								
		Total		486	100	33,548	100	1,836	100	176,048	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	116	24	7,140	22	419	22	38,178	22	<b>2.2</b>	2.3 **	-0.13	2.4 ***	-0.20	2.3 ***	-0.15	
		2	Some	200	41	12,785	38	604	33	64,075	36								
		3	Quite a bit	121	25	9,092	27	512	29	48,518	27								
		4	Very much	48	9	4,469	13	297	16	25,165	14								
		Total		485	100	33,486	100	1,832	100	175,936	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	23	5	2,175	7	114	6	15,932	11	<b>2.9</b>	2.9	-0.04	2.9	-0.06	2.8	.06	
		2	Some	129	28	8,476	25	446	25	44,421	26								
		3	Quite a bit	207	43	13,522	40	734	40	67,737	38								
		4	Very much	125	23	9,319	28	537	28	47,690	26								
		Total		484	100	33,492	100	1,831	100	175,780	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	64	14	4,546	15	250	13	26,828	17	<b>2.4</b>	2.5 **	-0.13	2.6 ***	-0.18	2.5 **	-0.11	
		2	Some	212	44	12,260	37	659	37	60,885	35								
		3	Quite a bit	155	32	11,142	33	581	32	57,059	32								
		4	Very much	53	10	5,528	16	346	19	30,953	17								
		Total		484	100	33,476	100	1,836	100	175,725	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<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	117	0	6	0	717	1	<b>14.5</b>	15.4 *	-1.0	13.6 *	.13	14.5	.00
		3	1-5 hrs	56	12	3,118	10	267	15	20,855	13							
		8	6-10 hrs	121	25	6,971	21	449	26	39,089	23							
		13	11-15 hrs	109	22	7,721	23	420	22	39,606	23							
		18	16-20 hrs	85	17	6,961	21	335	18	34,532	19							
		23	21-25 hrs	55	11	4,274	12	187	10	20,455	11							
		28	26-30 hrs	32	6	2,101	6	83	4	10,011	5							
		33	More than 30 hrs	27	6	2,081	6	80	4	9,855	6							
	Total			485	100	33,344	100	1,827	100	175,120	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	160	33	8,274	27	682	38	54,112	34	<b>5.2</b>	6.2 **	-1.14	5.3	-.02	5.7	-.07
		3	1-5 hrs	169	36	11,608	34	560	30	57,381	31							
		8	6-10 hrs	87	16	6,500	19	250	14	28,561	16							
		13	11-15 hrs	31	7	3,424	10	157	9	16,155	9							
		18	16-20 hrs	18	4	1,842	5	94	5	9,676	5							
		23	21-25 hrs	6	2	953	3	40	2	4,696	3							
		28	26-30 hrs	10	3	277	1	16	1	1,724	1							
		33	More than 30 hrs	2	0	397	1	23	1	2,419	1							
	Total			483	100	33,275	100	1,822	100	174,724	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	382	79	25,934	79	1,417	77	134,922	79	<b>2.1</b>	2.7 **	-1.10	3.0 ***	-1.15	2.5 *	-.08
		3	1-5 hrs	20	4	1,077	3	72	4	7,933	4							
		8	6-10 hrs	57	11	2,328	6	128	7	13,250	6							
		13	11-15 hrs	13	3	1,954	6	84	5	9,116	5							
		18	16-20 hrs	6	1	1,233	4	72	4	6,046	3							
		23	21-25 hrs	2	1	522	2	22	1	2,134	1							
		28	26-30 hrs	1	0	108	0	9	0	595	0							
		33	More than 30 hrs	3	1	158	1	22	2	855	1							
	Total			484	100	33,314	100	1,826	100	174,851	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	298	63	24,799	74	1,121	60	117,619	66	<b>6.1</b>	3.9 *** △	.28	7.2 * ▽	-.10	6.1	.00	
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	23	5	1,476	4	82	4	8,332	5								
		8	6-10 hrs	43	8	1,680	5	96	5	9,337	5								
		13	11-15 hrs	34	7	1,666	5	125	7	9,698	6								
		18	16-20 hrs	24	5	1,598	5	117	7	10,271	6								
		23	21-25 hrs	29	6	1,046	3	121	6	7,111	4								
		28	26-30 hrs	15	3	475	2	71	4	4,170	3								
		33	More than 30 hrs	19	4	574	2	93	6	8,407	6								
		Total			485	100	33,314	100	1,826	100	174,945	100							
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											<b>8.2</b>	6.5 *** △	.16	10.3 *** ▽	-.17	8.6	-.04	
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	288	61	18,742	57	1,012	55	99,531	57	<b>2.5</b>	2.5	-.02	3.0 * ▽	-.11	2.6	-.03	
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	136	26	10,556	31	538	29	53,806	29								
		8	6-10 hrs	35	8	2,022	6	124	6	10,926	6								
		13	11-15 hrs	10	2	957	3	77	5	5,011	3								
		18	16-20 hrs	7	1	526	2	34	2	2,770	2								
		23	21-25 hrs	4	1	322	1	17	1	1,485	1								
		28	26-30 hrs	2	0	70	0	8	0	446	0								
		33	More than 30 hrs	2	0	111	0	11	1	885	1								
		Total	484	100	33,306	100	1,821	100	174,860	100									
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	7	1	434	1	45	3	3,313	2	<b>12.1</b>	13.3 ** ▽	-.14	12.3	-.02	12.5	-.04	
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	108	21	5,605	17	394	21	35,854	21								
		8	6-10 hrs	131	26	9,007	26	474	26	47,333	26								
		13	11-15 hrs	110	24	7,503	22	385	21	36,518	20								
		18	16-20 hrs	71	16	5,288	16	239	13	24,454	14								
		23	21-25 hrs	23	5	2,376	7	104	6	11,322	7								
		28	26-30 hrs	11	3	975	3	42	2	4,973	3								
		33	More than 30 hrs	22	5	2,120	7	137	8	11,053	7								
		Total	483	100	33,308	100	1,820	100	174,820	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
g. Providing care for dependents (children, parents, etc.)	tmcarehrs <i>(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	387	81	27,537	82	1,376	74	133,667	74	<b>2.0</b>	1.8	.04	3.2 ***	-.16	3.2 ***	-.15	
		3	1-5 hrs	46	8	2,597	8	168	9	17,335	10								
		8	6-10 hrs	16	4	1,093	3	96	5	7,458	5								
		13	11-15 hrs	13	3	786	2	69	4	4,896	3								
		18	16-20 hrs	7	2	534	2	33	2	3,218	2								
		23	21-25 hrs	4	1	305	1	17	1	1,760	1								
		28	26-30 hrs	3	1	77	0	12	1	754	1								
		33	More than 30 hrs	7	1	304	1	55	3	5,416	4								
Total				483	100	33,233	100	1,826	100	174,504	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	154	34	12,410	36	654	35	78,976	43	<b>4.0</b>	4.3	-.05	4.9 **	-.13	4.1	-.01	
		3	1-5 hrs	219	45	13,050	39	695	37	58,377	34								
		8	6-10 hrs	66	13	4,283	14	239	13	19,685	12								
		13	11-15 hrs	23	5	1,772	5	108	7	8,316	5								
		18	16-20 hrs	7	2	807	3	43	3	3,927	2								
		23	21-25 hrs	2	0	420	1	27	2	2,019	1								
		28	26-30 hrs	1	0	160	1	19	1	901	1								
33	More than 30 hrs	10	2	405	1	34	2	2,665	2										
Total				482	100	33,307	100	1,819	100	174,866	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	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>	1	Very little	84	18	4,902	16	314	17	20,793	13	<b>2.4</b>	2.6 *	-.12	2.5	-.04	2.7 ***	-.25	
		2	Some	192	39	12,173	37	712	38	58,784	34								
		3	About half	132	27	8,899	26	497	28	51,055	29								
		4	Most	54	11	5,374	15	216	12	32,421	18								
		5	Almost all	22	5	1,897	5	82	4	11,518	6								
Total				484	100	33,245	100	1,821	100	174,571	100								
												<b>5.6</b>	6.3 *	-.12	5.4	.05	6.5 ***	-.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 2019 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	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
	tmreadinghrscol <i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	1	0 hrs	0	0	115	0	6	0	702	1								
		2	More than zero, up to 5 hrs	291	61	16,913	53	1,121	62	86,834	52								
		3	More than 5, up to 10 hrs	116	23	10,021	29	437	25	51,194	29								
		4	More than 10, up to 15 hrs	40	9	3,226	9	139	7	18,020	10								
		5	More than 15, up to 20 hrs	23	4	1,529	4	58	3	9,110	5								
		6	More than 20, up to 25 hrs	8	2	940	3	31	2	5,632	3								
		7	More than 25 hrs	5	1	341	1	22	1	2,250	1								
			Total	483	100	33,085	100	1,814	100	173,742	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	48	11	2,835	10	117	6	11,342	7	<b>2.6</b>	2.7 **	-0.13	2.9 ***	-0.32	2.8 ***	-0.27	
		2	Some	167	35	9,979	31	468	26	47,876	27								
		3	Quite a bit	189	39	13,727	41	768	43	74,912	43								
		4	Very much	75	15	6,570	19	451	25	39,410	23								
			Total	479	100	33,111	100	1,804	100	173,540	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	38	8	4,196	14	177	10	17,735	11	<b>2.6</b>	2.6	.07	2.8 *	-0.11	2.7	-0.04	
		2	Some	162	34	10,918	33	521	29	54,031	31								
		3	Quite a bit	204	42	11,978	36	689	38	66,170	38								
		4	Very much	77	16	6,018	18	423	23	35,821	21								
			Total	481	100	33,110	100	1,810	100	173,757	100								
c. Thinking critically and analytically	pgthink	1	Very little	13	3	977	3	51	3	5,184	3	<b>3.0</b>	3.1	-0.06	3.1 *	-0.10	3.1	-0.08	
		2	Some	107	23	6,510	20	350	20	33,259	19								
		3	Quite a bit	218	45	14,970	44	801	44	78,111	44								
		4	Very much	143	29	10,679	32	609	34	57,318	33								
			Total	481	100	33,136	100	1,811	100	173,872	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	49	9	3,802	11	184	10	22,744	12	<b>2.7</b>	2.7	.01	2.7	.00	2.7	.08	
		2	Some	148	31	9,915	30	540	31	55,184	31								
		3	Quite a bit	180	38	12,070	36	677	36	60,685	35								
		4	Very much	106	22	7,331	23	406	23	35,204	21								
			Total	483	100	33,118	100	1,807	100	173,817	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	57	13	4,368	14	254	14	22,206	13	<b>2.6</b>	2.6	-0.01	2.6	-0.06	2.6	-0.04	
		2	Some	162	34	10,880	33	528	29	55,566	32								
		3	Quite a bit	167	34	11,470	34	645	35	60,424	34								
		4	Very much	96	19	6,409	19	383	22	35,613	21								
		Total		482	100	33,127	100	1,810	100	173,809	100								
f. Working effectively with others	pgothers	1	Very little	27	6	2,139	7	123	7	10,706	7	<b>2.8</b>	2.8	-0.03	2.8	-0.07	2.8	-0.07	
		2	Some	134	29	9,254	28	491	28	46,458	27								
		3	Quite a bit	220	45	13,702	41	731	40	72,028	41								
		4	Very much	100	20	7,992	24	461	26	44,497	25								
		Total		481	100	33,087	100	1,806	100	173,689	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	61	14	3,962	13	252	14	18,074	11	<b>2.5</b>	2.6 ***	-0.16	2.7 **	-0.17	2.7 ***	-0.23	
		2	Some	183	38	9,833	30	512	28	49,409	29								
		3	Quite a bit	154	31	12,299	36	659	37	65,973	37								
		4	Very much	82	16	6,989	21	383	21	40,215	23								
		Total		480	100	33,083	100	1,806	100	173,671	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	52	12	2,831	10	184	10	15,697	10	<b>2.6</b>	2.8 ***	-0.23	2.8 ***	-0.20	2.8 ***	-0.25	
		2	Some	179	37	9,118	28	528	29	47,401	27								
		3	Quite a bit	161	34	12,608	37	656	36	65,055	37								
		4	Very much	89	17	8,526	25	435	24	45,468	26								
		Total		481	100	33,083	100	1,803	100	173,621	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	53	12	3,485	11	212	11	18,938	12	<b>2.5</b>	2.6 *	-0.10	2.7 *	-0.12	2.7 *	-0.11	
		2	Some	179	37	10,900	33	570	32	56,821	32								
		3	Quite a bit	170	35	12,093	36	663	37	62,769	36								
		4	Very much	78	16	6,611	20	355	20	35,182	20								
		Total		480	100	33,089	100	1,800	100	173,710	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	68	16	3,764	12	269	14	20,127	12	<b>2.5</b>	2.6 ***	-0.19	2.6 ***	-0.17	2.7 ***	-0.21	
		2	Some	174	36	10,544	32	560	32	55,004	32								
		3	Quite a bit	169	35	11,936	35	599	32	61,561	35								
		4	Very much	70	13	6,881	20	374	21	37,140	21								
		Total		481	100	33,125	100	1,802	100	173,832	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class	Quality Assurance		NSSE 2018 & 2019		
				Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	4	1	561	2	44	3	3,360	2	<b>3.2</b>	3.2	-.02	3.1	.07	3.2	.00	
		2	Fair	55	13	3,945	12	266	15	22,369	13								
		3	Good	256	54	16,656	50	899	48	84,791	48								
		4	Excellent	170	32	12,098	36	603	34	64,064	36								
			Total	485	100	33,260	100	1,812	100	174,584	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	12	2	1,045	3	81	4	6,464	4	<b>3.3</b>	3.2	.09	3.2 **	.16	3.2 **	.13	
		2	Probably no	48	10	3,772	11	253	14	22,166	13								
		3	Probably yes	192	42	14,092	42	757	41	73,115	42								
		4	Definitely yes	236	46	14,466	43	729	41	73,449	41								
			Total	488	100	33,375	100	1,820	100	175,194	100								
<b>20. Do you intend to return to this institution next year?<sup>f</sup></b>																			
	returnexp		No	17	3	1,191	4	105	6	8,049	5	<b>93%</b>	90%	.09	86% ***	.20	87% ***	.18	
			Yes	452	93	30,325	90	1,580	86	153,961	87								
			Not sure	19	4	1,932	6	137	8	13,492	8								
			Total	488	100	33,448	100	1,822	100	175,502	100								
			(Means indicate the percentage who responded "Yes.")																

\*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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
<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	12	2	1,747	4	41	2	6,266	3	<b>3.0</b>	3.0	.06	3.2 ***	-.23	3.1 *	▽	-.10
		2	Sometimes	176	31	15,972	31	464	21	62,942	25								
		3	Often	184	31	16,303	31	707	33	80,416	31								
		4	Very often	237	36	17,763	34	956	44	107,403	41								
		Total		609	100	51,785	100	2,168	100	257,027	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	145	26	12,472	25	444	20	53,856	21	<b>2.3</b>	2.3	.06	2.5 **	-.14	2.4	▽	-.06
		2	Sometimes	186	31	18,929	37	688	32	91,018	35								
		3	Often	160	26	12,389	24	584	27	64,683	25								
		4	Very often	118	17	7,722	15	444	21	46,422	18								
		Total		609	100	51,512	100	2,160	100	255,979	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	26	5	4,131	8	128	6	15,809	6	<b>3.1</b>	2.9 ***	.30	3.1	.05	3.0 **	△	.12
		2	Often	71	12	9,195	18	248	11	36,366	14								
		3	Sometimes	302	51	27,590	53	1,136	53	135,306	52								
		4	Never	205	32	10,588	21	647	30	68,368	28								
		Total		604	100	51,504	100	2,159	100	255,849	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	295	48	21,925	43	969	45	114,147	46	<b>1.7</b>	1.8 **	-.12	1.8 **	-.13	1.8 *	▽	-.08
		2	Sometimes	221	37	19,598	38	761	35	91,298	35								
		3	Often	59	10	6,327	12	246	11	30,704	11								
		4	Very often	31	5	3,577	7	176	9	19,284	7								
		Total		606	100	51,427	100	2,152	100	255,433	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	38	7	5,931	12	269	13	38,767	17	<b>2.7</b>	2.5 ***	.14	2.5 **	.14	2.4 ***	△	.26
		2	Sometimes	244	42	20,150	40	846	40	102,631	41								
		3	Often	185	30	16,247	31	614	28	73,778	28								
		4	Very often	139	21	9,051	17	420	19	40,121	15								
		Total		606	100	51,379	100	2,149	100	255,297	100								
f. Explained course material to one or more students	CLexplain	1	Never	19	3	2,641	5	127	6	19,598	8	<b>2.9</b>	2.8 ***	.15	2.8 *	.11	2.7 ***	△	.25
		2	Sometimes	170	29	16,584	33	657	31	85,634	34								
		3	Often	235	39	20,222	39	801	37	93,558	36								
		4	Very often	184	29	11,871	23	569	26	56,168	22								
		Total		608	100	51,318	100	2,154	100	254,958	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 2019 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				Quality Assurance				NSSE 2018 & 2019				Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>	Mean	Effect size <sup>e</sup>				
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	70	12	7,758	16	337	16	48,783	21	<b>2.7</b>	2.6 ***	.18	2.6 **	.14	2.4 ***	.29	△	△	△	△					
		2	Sometimes	187	31	16,979	34	675	31	83,479	33																
		3	Often	166	28	15,205	29	622	30	71,687	27																
		4	Very often	182	29	11,141	22	507	23	49,969	19																
		Total		605	100	51,083	100	2,141	100	253,918	100																
h. Worked with other students on course projects or assignments	CLproject	1	Never	25	4	3,300	7	200	10	22,051	10	<b>3.1</b>	2.9 ***	.19	2.8 ***	.27	2.8 ***	.29	△	△	△						
		2	Sometimes	125	21	13,523	27	602	28	71,065	28																
		3	Often	228	38	18,377	36	708	33	89,587	34																
		4	Very often	226	37	15,749	31	622	29	70,526	28																
		Total		604	100	50,949	100	2,132	100	253,229	100																
i. Given a course presentation	present	1	Never	45	8	5,494	11	263	12	29,291	13	<b>2.7</b>	2.7	.05	2.7	.03	2.7	.05									
		2	Sometimes	212	37	16,849	34	673	32	76,150	31																
		3	Often	185	30	16,341	32	659	31	81,979	31																
		4	Very often	161	25	12,241	24	535	25	65,647	25																
		Total		603	100	50,925	100	2,130	100	253,067	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	19	3	1,787	4	87	4	9,323	4	<b>3.0</b>	2.9	.08	2.9	.06	2.9 *	.09	△								
		2	Sometimes	143	24	13,424	27	570	27	67,862	28																
		3	Often	252	42	21,351	42	847	41	103,886	41																
		4	Very often	184	30	13,952	27	608	28	70,159	27																
		Total		598	100	50,514	100	2,112	100	251,230	100																
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	56	10	3,989	9	157	8	16,680	8	<b>2.6</b>	2.7 ***	-.16	2.8 ***	-.26	2.8 ***	-.24	▽	▽	▽						
		2	Sometimes	228	39	16,372	33	648	31	76,680	31																
		3	Often	208	34	18,109	35	728	35	92,727	36																
		4	Very often	107	16	11,839	23	575	27	64,323	25																
		Total		599	100	50,309	100	2,108	100	250,410	100																
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	134	25	7,073	16	262	14	27,806	13	<b>2.3</b>	2.5 ***	-.26	2.6 ***	-.36	2.6 ***	-.36	▽	▽	▽						
		2	Sometimes	216	37	17,508	36	688	33	84,576	34																
		3	Often	160	26	15,341	30	654	31	80,425	31																
		4	Very often	85	13	10,054	19	490	23	56,151	21																
		Total		595	100	49,976	100	2,094	100	248,958	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech	Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	45	8	2,541	6	107	5	10,606	5	<b>2.7</b>	2.8 ***	-0.15	2.9 ***	-0.24	2.8 ***	-0.21
		2	Sometimes	202	36	14,970	30	572	27	71,410	29							
		3	Often	224	37	21,744	43	867	43	108,802	43							
		4	Very often	121	19	10,402	21	533	25	56,689	23							
		Total		592	100	49,657	100	2,079	100	247,507	100							
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	Rlperspect	1	Never	39	8	1,495	4	61	3	6,331	3	<b>2.7</b>	3.0 ***	-0.26	3.0 ***	-0.31	3.0 ***	-0.30
		2	Sometimes	173	31	11,938	25	474	24	57,959	24							
		3	Often	250	42	22,546	45	904	44	111,912	45							
		4	Very often	123	20	13,208	27	623	29	69,232	28							
		Total		585	100	49,187	100	2,062	100	245,434	100							
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	20	4	1,059	3	45	2	4,663	2	<b>2.8</b>	2.9 ***	-0.17	3.0 ***	-0.23	3.0 ***	-0.20
		2	Sometimes	188	34	12,930	27	501	26	63,151	27							
		3	Often	233	39	22,068	45	894	43	109,550	45							
		4	Very often	140	23	12,627	26	604	29	66,140	27							
		Total		581	100	48,684	100	2,044	100	243,504	100							
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	10	2	523	1	13	1	2,075	1	<b>3.1</b>	3.2 *	-0.09	3.2 **	-0.14	3.2 ***	-0.14
		2	Sometimes	108	20	7,681	17	320	16	35,850	15							
		3	Often	262	45	23,006	47	931	46	113,974	47							
		4	Very often	196	33	17,116	35	749	37	89,865	37							
		Total		576	100	48,326	100	2,013	100	241,764	100							
<b>3. During the current school year, about how often have you done the following?</b>																		
a. Talked about career plans with a faculty member	SFcareer	1	Never	76	15	8,236	18	290	15	38,743	18	<b>2.6</b>	2.4 ***	.15	2.6	-0.08	2.5 *	.09
		2	Sometimes	208	37	19,393	40	680	34	91,233	38							
		3	Often	152	26	11,924	24	534	26	62,281	25							
		4	Very often	138	22	8,773	17	514	26	49,635	19							
		Total		574	100	48,326	100	2,018	100	241,892	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	195	35	19,202	41	777	38	98,047	43	<b>2.1</b>	2.0 ***	.16	2.1	.06	2.0 ***	.17
		2	Sometimes	176	30	15,230	31	611	31	72,768	29							
		3	Often	112	19	8,141	16	329	16	40,895	16							
		4	Very often	92	15	5,562	11	301	15	29,409	12							
		Total		575	100	48,135	100	2,018	100	241,119	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	109	20	12,524	27	459	22	62,887	28	<b>2.3</b>	2.1 *** △	.18	2.3	-.03	2.2 ***	.15	△
		2	Sometimes	240	43	20,400	42	774	38	95,675	40								
		3	Often	141	25	9,977	20	445	23	52,713	21								
		4	Very often	80	13	4,951	10	317	16	28,400	11								
		Total		570	100	47,852	100	1,995	100	239,675	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	100	19	11,810	26	355	17	51,419	23	<b>2.3</b>	2.1 *** △	.20	2.4 *	-.11	2.2 *	.09	△
		2	Sometimes	245	44	21,559	45	809	40	104,425	43								
		3	Often	145	25	9,936	20	516	27	55,281	22								
		4	Very often	78	13	4,520	9	321	16	28,397	12								
		Total		568	100	47,825	100	2,001	100	239,522	100								
<b>4. During the current school year, how much has your coursework emphasized the following?</b>																			
a. Memorizing course material	memorize	1	Very little	44	8	3,382	7	134	7	19,170	8	<b>2.8</b>	2.8	-.04	2.8	-.08	2.7	.02	
		2	Some	177	31	14,185	30	551	27	74,701	32								
		3	Quite a bit	211	38	19,015	40	821	42	93,682	39								
		4	Very much	133	23	11,043	23	492	24	50,999	21								
		Total		565	100	47,625	100	1,998	100	238,552	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	12	3	1,374	3	67	4	6,382	3	<b>3.1</b>	3.1 ** △	.11	3.1	.06	3.1 *	.09	△
		2	Some	94	17	9,432	20	353	18	45,733	19								
		3	Quite a bit	241	43	21,456	45	850	43	108,006	45								
		4	Very much	217	37	15,220	32	717	35	77,723	32								
		Total		564	100	47,482	100	1,987	100	237,844	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	21	4	1,686	4	79	4	7,595	3	<b>3.0</b>	3.0	.02	3.1	-.07	3.0	-.01	
		2	Some	124	23	10,647	23	383	19	50,405	21								
		3	Quite a bit	222	39	20,279	43	804	42	102,927	43								
		4	Very much	195	34	14,549	31	707	35	75,365	32								
		Total		562	100	47,161	100	1,973	100	236,292	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	51	10	3,100	7	90	5	11,070	5	<b>2.8</b>	2.8	-.09	3.0 ***	-.23	2.9 ***	-.20	▽
		2	Some	157	30	12,376	27	455	24	55,443	24								
		3	Quite a bit	193	33	19,239	40	812	41	101,484	43								
		4	Very much	161	27	12,256	26	606	30	67,480	28								
		Total		562	100	46,971	100	1,963	100	235,477	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	30	6	2,312	5	81	5	8,956	4	<b>2.9</b>	2.9	-.01	3.0 **	-.13	3.0	-.09	
		2	Some	147	28	12,183	27	441	22	55,360	24								
		3	Quite a bit	223	38	20,203	42	820	42	105,016	44								
		4	Very much	160	28	12,081	26	614	31	65,334	28								
		Total		560	100	46,779	100	1,956	100	234,666	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	13	2	983	2	51	3	5,026	2	<b>3.1</b>	3.1	-.02	3.2 **	-.13	3.1	-.06	
		2	Some	101	19	8,483	19	291	15	40,266	18								
		3	Quite a bit	252	46	21,422	45	822	42	102,722	44								
		4	Very much	193	33	15,602	34	784	40	85,426	37								
		Total		559	100	46,490	100	1,948	100	233,440	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	25	5	1,579	4	87	5	8,199	4	<b>3.0</b>	3.0	-.07	3.1 *	-.11	3.1 **	-.12	
		2	Some	122	22	9,331	20	372	20	43,156	19								
		3	Quite a bit	241	45	21,418	46	761	38	103,456	44								
		4	Very much	170	29	14,092	31	725	37	78,338	34								
		Total		558	100	46,420	100	1,945	100	233,149	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	14	3	1,433	3	75	4	7,819	4	<b>3.1</b>	3.1	.05	3.1	-.02	3.1	.03	
		2	Some	104	19	9,267	20	341	18	44,296	19								
		3	Quite a bit	233	42	19,878	42	763	39	96,733	41								
		4	Very much	206	36	15,771	34	757	39	83,878	36								
		Total		557	100	46,349	100	1,936	100	232,726	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	74	14	5,524	13	190	10	23,103	11	<b>2.7</b>	2.6	.02	2.9 ***	-.22	2.8 **	-.12	
		2	Some	156	30	14,868	32	490	25	65,007	28								
		3	Quite a bit	183	33	15,735	33	619	32	80,619	34								
		4	Very much	139	23	10,191	22	643	33	63,756	27								
		Total		552	100	46,318	100	1,942	100	232,485	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	50	9	4,115	9	161	9	16,810	8	<b>2.8</b>	2.7	.07	2.9 **	-.14	2.8	-.07	
		2	Some	154	29	14,918	32	485	25	64,959	28								
		3	Quite a bit	211	38	17,565	37	692	35	89,576	38								
		4	Very much	140	24	9,549	21	594	31	60,472	26								
		Total		555	100	46,147	100	1,932	100	231,817	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
<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	45	8	4,546	10	237	11	25,791	11	<b>2.8</b>	2.7 **	.12	2.6 ***	.17	2.6 ***	.17	
		2	Sometimes	171	30	15,214	33	663	33	79,977	34								
		3	Often	206	38	16,802	37	657	35	81,553	36								
		4	Very often	129	25	9,223	21	358	20	42,777	19								
		Total		551	100	45,785	100	1,915	100	230,098	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	91	16	8,290	18	388	19	42,022	18	<b>2.5</b>	2.4	.06	2.4	.06	2.4	.07	
		2	Sometimes	197	36	16,738	36	691	35	86,377	37								
		3	Often	168	31	13,463	29	530	29	66,781	29								
		4	Very often	92	17	7,091	16	294	17	34,024	15								
		Total		548	100	45,582	100	1,903	100	229,204	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	85	15	6,744	15	361	18	38,381	17	<b>2.5</b>	2.5	.00	2.4	.07	2.4	.06	
		2	Sometimes	209	38	17,194	38	746	39	89,716	39								
		3	Often	163	30	14,888	33	535	29	69,809	31								
		4	Very often	87	16	6,612	15	267	14	30,667	14								
		Total		544	100	45,438	100	1,909	100	228,573	100								
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)</b>																			
a. Up to 5 pages	wrshortnum <i>(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	52	11	3,089	7	146	8	12,472	6	<b>6.2</b>	7.2 ***	-.16	7.2 **	-.16	7.7 ***	-.23	
		1.5	1-2	142	25	8,521	19	371	19	38,056	17								
		4	3-5	156	28	13,113	29	529	28	65,077	29								
		8	6-10	92	17	9,739	21	426	23	51,391	22								
		13	11-15	46	9	4,888	10	181	9	25,671	11								
		18	16-20	22	3	2,479	5	87	5	14,128	6								
		23	More than 20	36	7	3,479	8	162	8	21,205	9								
Total		546	100	45,308	100	1,902	100	228,000	100										
b. Between 6 and 10 pages	wrmednum <i>(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	194	37	11,425	26	561	28	49,659	23	<b>3.1</b>	3.3	-.06	3.2	-.03	3.7 **	-.13	
		1.5	1-2	160	29	15,430	34	627	33	75,981	33								
		4	3-5	109	19	10,531	23	420	23	57,402	24								
		8	6-10	42	7	4,896	11	177	10	27,642	12								
		13	11-15	19	3	1,671	4	55	3	9,363	4								
		18	16-20	3	1	563	1	20	1	3,469	2								
		23	More than 20	18	3	646	1	31	2	3,785	2								
Total		545	100	45,162	100	1,891	100	227,301	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Your seniors compared with							
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. 11 pages or more	wrlongnum	0	None	288	54	21,929	49	1,054	53	105,442	47	<b>1.9</b>	1.9	.00	1.9	.02	2.0	-.02	
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	167	30	15,061	33	551	30	79,134	33								
		4	3-5	44	8	4,705	10	148	8	25,197	11								
		8	6-10	17	3	1,844	4	70	4	9,010	4								
		13	11-15	8	1	921	2	40	2	4,494	2								
		18	16-20	7	1	290	1	9	0	1,735	1								
		23	More than 20	13	2	514	1	30	2	2,643	1								
		Total			544	100	45,264	100	1,902	100	227,655	100							
Estimated number of assigned pages of student writing.	wpages											<b>71.9</b>	76.2	-.05	74.4	-.03	81.7 *	-.10	
			(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)														▼		
<b>8. During the current school year, about how often have you had discussions with people from the following groups?</b>																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	39	7	1,750	4	109	6	11,359	5	<b>2.8</b>	3.1 ***	-.35	3.0 ***	-.23	3.1 ***	-.26	
		2	Sometimes	169	31	9,552	21	424	23	52,855	23								
		3	Often	178	33	14,176	31	592	31	70,940	31								
		4	Very often	159	29	19,755	44	777	40	92,335	41								
			Total	545	100	45,233	100	1,902	100	227,489	100								
b. People from an economic background other than your own	DDeconomic	1	Never	21	5	1,610	4	75	4	9,610	5	<b>3.0</b>	3.1 ***	-.17	3.1 ***	-.17	3.1 **	-.11	
		2	Sometimes	134	24	9,390	21	389	21	51,156	23								
		3	Often	227	42	16,210	35	688	36	81,267	35								
		4	Very often	163	29	17,952	40	748	39	85,012	37								
			Total	545	100	45,162	100	1,900	100	227,045	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	29	6	2,129	5	104	5	14,407	7	<b>2.9</b>	3.1 ***	-.19	3.0 *	-.12	3.0	-.08	
		2	Sometimes	163	30	10,185	23	476	26	60,164	26								
		3	Often	185	33	15,104	33	610	32	72,803	32								
		4	Very often	168	31	17,752	39	711	37	79,716	36								
			Total	545	100	45,170	100	1,901	100	227,090	100								
d. People with political views other than your own	DDpolitical	1	Never	25	5	2,598	6	106	6	14,030	7	<b>2.9</b>	3.0	-.01	3.0	-.07	2.9	.02	
		2	Sometimes	139	25	12,705	28	458	25	63,771	28								
		3	Often	217	39	14,208	31	624	33	73,596	32								
		4	Very often	166	30	15,647	35	713	37	75,686	34								
			Total	547	100	45,158	100	1,901	100	227,083	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
<b>9. During the current school year, about how often have you done the following?</b>																			
a. Identified key information from reading assignments	LSreading	1	Never	27	5	1,264	3	46	2	5,050	2	<b>2.9</b>	3.0 *** ▽	-.16	3.1 *** ▽	-.26	3.1 *** ▽	-.24	
		2	Sometimes	134	26	9,447	22	332	19	42,592	19								
		3	Often	220	41	19,721	43	826	44	99,598	44								
		4	Very often	160	28	14,509	32	686	35	78,978	35								
		Total		541	100	44,941	100	1,890	100	226,218	100								
b. Reviewed your notes after class	LSnotes	1	Never	31	6	3,694	8	110	6	17,281	8	<b>3.0</b>	2.8 *** △	.21	3.0	-.04	2.8 ** △	.13	
		2	Sometimes	127	25	14,799	33	455	25	68,815	30								
		3	Often	191	36	14,707	33	646	35	74,916	33								
		4	Very often	192	33	11,708	26	668	35	65,012	29								
		Total		541	100	44,908	100	1,879	100	226,024	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	38	8	3,481	8	103	5	15,250	7	<b>2.8</b>	2.8	.05	3.0 *** ▽	-.17	2.8	-.04	
		2	Sometimes	156	31	14,396	32	473	26	66,276	29								
		3	Often	193	36	16,313	36	689	37	84,741	37								
		4	Very often	153	26	10,677	24	616	32	59,608	26								
		Total		540	100	44,867	100	1,881	100	225,875	100								
<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	6	1	500	1	28	2	2,374	1	<b>5.6</b>	5.4 *** △	.16	5.6	-.01	5.6	.04	
		2		8	2	728	2	28	2	3,126	2								
		3		19	4	2,216	5	71	4	9,284	4								
		4		49	9	5,137	12	198	11	22,623	10								
		5		135	27	14,016	31	432	23	63,699	28								
		6		145	27	11,339	25	440	23	57,697	25								
		7	Very much	178	30	10,683	24	672	35	65,793	29								
		Total		540	100	44,619	100	1,869	100	224,596	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		42	9	3,515	8	209	11	21,649	10	<b>56%</b>	53%	.06	46% *** △	.22	49% *** △	.16	
		Do not plan to do		92	19	6,542	15	360	20	36,933	18								
		Plan to do		82	16	10,159	23	438	23	51,082	23								
		Done or in progress		324	56	24,466	53	866	46	115,167	49								
		Total		540	100	44,682	100	1,873	100	224,831	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
b. Hold a formal leadership role in a student organization or group	leader <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	51	10	4,082	10	212	11	25,809	12	<b>40%</b>	41%	-.01	32% ***	.18	35% *	.11	△
			Do not plan to do	233	44	18,017	41	891	48	96,691	44								
			Plan to do	31	6	3,604	8	160	9	18,221	8								
			Done or in progress	224	40	18,889	41	601	32	83,661	35								
			Total	539	100	44,592	100	1,864	100	224,382	100								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	66	13	5,061	12	246	14	31,786	15	<b>22%</b>	23%	-.03	24%	-.05	23%	-.02	
			Do not plan to do	297	58	24,640	56	952	51	116,416	53								
			Plan to do	41	7	4,065	9	201	12	21,814	10								
			Done or in progress	127	22	10,703	23	459	24	53,705	23								
			Total	531	100	44,469	100	1,858	100	223,721	100								
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	60	12	4,088	10	225	13	25,193	12	<b>10%</b>	19% ***	-.26	9%	.05	14% **	-.14	▽
			Do not plan to do	394	74	28,099	64	1,340	71	147,724	67								
			Plan to do	20	4	3,087	7	130	8	15,002	7								
			Done or in progress	59	10	9,224	19	161	9	35,943	14								
			Total	533	100	44,498	100	1,856	100	223,862	100								
e. Work with a faculty member on a research project	research <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	64	12	5,742	14	278	15	33,199	16	<b>32%</b>	26% **	.12	22% ***	.23	23% ***	.21	△
			Do not plan to do	241	44	21,362	47	947	50	112,107	50								
			Plan to do	58	12	5,460	13	224	13	25,028	12								
			Done or in progress	170	32	11,934	26	405	22	53,541	23								
			Total	533	100	44,498	100	1,854	100	223,875	100								
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	28	5	3,418	9	160	8	20,370	10	<b>59%</b>	44% ***	.29	47% ***	.23	45% ***	.28	△
			Do not plan to do	77	14	9,618	24	390	20	43,311	21								
			Plan to do	115	23	10,296	23	433	24	52,767	25								
			Done or in progress	313	59	21,090	44	875	47	107,131	45								
			Total	533	100	44,422	100	1,858	100	223,579	100								

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

servcourse	1	2	3	4	Total	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
	None	Some	Most	All		190	39	19,782	46	655	36	82,016	39	<b>1.8</b>	1.6 ***	.16	1.8 *	-.11	1.8	.00	△
	2	3	4	Total	268	49	20,439	45	878	47	112,277	48									
	3	4	Total	57	10	3,351	7	267	14	23,425	10										
	4	Total	15	2	796	2	53	3	5,502	2											
	Total	530	100	44,368	100	1,853	100	223,220	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																			
a. Students	QIstudent	1	Poor	4	1	542	1	24	1	2,642	1	<b>5.8</b>	5.5 ***	.23	5.6 ***	.18	5.6 ***	.20	
		2		5	1	722	2	27	2	3,650	2								
		3		9	1	1,805	4	69	4	8,943	4								
		4		44	8	4,691	11	174	10	23,252	11								
		5		113	22	11,578	26	476	26	54,972	24								
		6		162	31	12,336	27	450	24	58,907	26								
		7	Excellent	184	34	12,143	27	578	31	65,932	29								
		—	Not applicable	9	2	545	1	48	2	4,900	3								
			Total	530	100	44,362	100	1,846	100	223,198	100								
b. Academic advisors	QIadvisor	1	Poor	18	3	2,205	5	85	5	9,590	5	<b>5.5</b>	5.1 ***	.22	5.2 *	.13	5.3 *	.11	
		2		23	4	2,474	6	81	5	10,311	5								
		3		32	7	3,720	8	145	7	15,921	7								
		4		61	12	6,055	13	237	12	26,791	12								
		5		85	16	8,556	19	318	18	40,098	18								
		6		92	17	8,467	19	329	18	43,386	19								
		7	Excellent	214	40	12,508	28	620	33	73,940	33								
		—	Not applicable	4	1	359	1	30	2	3,049	1								
			Total	529	100	44,344	100	1,845	100	223,086	100								
c. Faculty	QIfaculty	1	Poor	9	2	665	2	33	2	3,146	2	<b>5.4</b>	5.4	.07	5.5	-.02	5.5	-.06	
		2		13	3	952	2	47	3	4,409	2								
		3		27	5	2,323	5	76	4	10,006	5								
		4		61	12	5,991	13	210	11	24,841	11								
		5		124	24	11,722	26	434	24	52,122	23								
		6		130	24	12,519	28	480	26	62,010	27								
		7	Excellent	164	30	9,836	23	551	29	64,495	29								
		—	Not applicable	3	1	307	1	12	1	1,940	1								
			Total	531	100	44,315	100	1,843	100	222,969	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	20	4	1,790	4	89	5	9,489	4	<b>5.1</b>	4.9 *	.13	4.9	.10	5.0	.07	
		2		19	4	1,927	4	72	4	9,446	4								
		3		32	6	3,318	7	119	6	15,591	7								
		4		55	11	6,663	15	225	12	28,818	13								
		5		101	19	9,011	20	323	18	40,917	18								
		6		80	15	7,857	17	293	16	37,526	16								
		7	Excellent	113	21	7,164	17	342	18	41,635	19								
		—	Not applicable	108	20	6,581	15	380	21	39,499	19								
	Total	528	100	44,311	100	1,843	100	222,921	100										
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	27	6	2,160	5	127	8	10,242	5	<b>5.1</b>	4.8 ***	.17	4.7 ***	.21	5.0	.05	
		2		18	3	2,336	5	116	7	10,754	5								
		3		41	8	4,018	9	166	9	17,695	8								
		4		68	13	7,360	16	297	16	32,778	14								
		5		120	22	9,636	21	397	21	46,394	20								
		6		101	20	8,105	18	322	17	43,337	19								
		7	Excellent	132	25	7,113	17	347	19	48,471	22								
		—	Not applicable	20	4	3,559	8	75	4	13,216	7								
	Total	527	100	44,287	100	1,847	100	222,887	100										
<b>14. How much does your institution emphasize the following?</b>																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	14	3	856	2	41	2	4,514	2	<b>3.1</b>	3.1	-.04	3.1	.00	3.1	-.04	
		2	Some	96	18	8,457	19	362	21	42,379	19								
		3	Quite a bit	254	49	20,421	46	845	45	102,484	46								
		4	Very much	161	30	14,449	32	589	31	72,832	32								
			Total	525	100	44,183	100	1,837	100	222,209	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	29	6	2,313	6	88	6	10,719	5	<b>2.9</b>	2.9	.00	2.9	-.07	2.9	-.08	
		2	Some	133	25	11,598	26	442	25	51,922	24								
		3	Quite a bit	227	43	19,268	43	766	41	94,535	42								
		4	Very much	138	25	10,907	25	540	29	64,599	29								
			Total	527	100	44,086	100	1,836	100	221,775	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	53	11	3,884	9	153	9	18,505	9	<b>2.7</b>	2.8	-.08	2.9 **	-.16	2.9 ***	-.16	
		2	Some	151	29	11,963	27	436	25	53,709	25								
		3	Quite a bit	201	39	17,089	38	698	38	84,428	38								
		4	Very much	119	22	11,147	25	544	29	65,048	29								
			Total	524	100	44,083	100	1,831	100	221,690	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	82	16	6,757	16	248	14	32,504	15	<b>2.4</b>	2.6 ***	-0.15	2.7 ***	-0.22	2.6 ***	-0.17	
		2	Some	192	37	13,791	31	528	30	67,327	30								
		3	Quite a bit	173	32	13,961	31	611	33	71,534	32								
		4	Very much	80	15	9,464	22	441	23	49,864	23								
		Total		527	100	43,973	100	1,828	100	221,229	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	39	8	3,419	8	126	7	19,277	10	<b>2.7</b>	2.8 *	-0.10	2.9 ***	-0.18	2.8	-0.06	
		2	Some	165	32	11,537	26	428	25	57,753	27								
		3	Quite a bit	198	38	17,470	39	714	39	85,504	38								
		4	Very much	121	22	11,533	27	561	29	58,530	26								
		Total		523	100	43,959	100	1,829	100	221,064	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	72	14	4,847	11	165	10	26,541	13	<b>2.6</b>	2.8 ***	-0.18	2.8 ***	-0.24	2.7 **	-0.14	
		2	Some	164	32	12,049	27	465	26	61,168	28								
		3	Quite a bit	194	37	16,301	37	670	37	79,734	36								
		4	Very much	94	17	10,682	25	522	27	53,268	24								
		Total		524	100	43,879	100	1,822	100	220,711	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	210	41	15,586	35	579	32	73,793	34	<b>1.9</b>	2.0 **	-0.13	2.1 ***	-0.23	2.1 ***	-0.19	
		2	Some	187	37	15,885	36	635	35	77,376	35								
		3	Quite a bit	80	14	8,433	19	375	21	45,494	21								
		4	Very much	46	8	3,973	9	230	12	23,972	11								
		Total		523	100	43,877	100	1,819	100	220,635	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	85	17	5,523	13	210	12	37,624	19	<b>2.4</b>	2.7 ***	-0.24	2.7 ***	-0.28	2.5 *	-0.08	
		2	Some	195	37	13,175	29	525	30	65,746	30								
		3	Quite a bit	163	31	15,569	35	626	34	73,271	32								
		4	Very much	81	15	9,542	23	458	25	43,688	20								
		Total		524	100	43,809	100	1,819	100	220,329	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	146	28	8,650	20	346	19	47,042	23	<b>2.1</b>	2.3 ***	-0.23	2.4 ***	-0.34	2.3 ***	-0.21	
		2	Some	211	41	17,213	39	637	35	80,137	36								
		3	Quite a bit	112	21	12,483	28	526	28	62,634	27								
		4	Very much	53	9	5,472	13	316	17	30,457	14								
		Total		522	100	43,818	100	1,825	100	220,270	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
<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	0	0 hrs	2	1	173	0	9	1	885	0	<b>15.3</b>	15.1	.02	14.5	.09	14.9	.04	
	(Recorded version of tmpprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	61	12	5,705	13	247	14	29,123	13								
	8	6-10 hrs	116	23	9,917	23	446	24	50,397	23									
	13	11-15 hrs	109	21	8,902	20	357	20	44,503	20									
	18	16-20 hrs	98	19	7,929	18	338	19	39,772	18									
	23	21-25 hrs	51	9	4,750	11	172	9	23,881	11									
	28	26-30 hrs	32	6	2,677	6	112	6	13,801	6									
	33	More than 30 hrs	53	10	3,661	9	144	7	17,672	8									
	Total			522	100	43,714	100	1,825	100	220,034	100								
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	212	41	14,857	35	846	47	91,702	44	<b>4.9</b>	5.5 *	-0.09	4.6	.03	4.9	-0.01	
	(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	158	31	13,612	30	500	26	60,900	27								
	8	6-10 hrs	70	14	6,933	16	206	12	28,608	12									
	13	11-15 hrs	33	6	3,882	9	113	6	16,427	7									
	18	16-20 hrs	22	4	2,216	5	70	4	10,485	5									
	23	21-25 hrs	15	3	1,129	3	43	3	5,503	2									
	28	26-30 hrs	5	1	392	1	15	1	2,306	1									
	33	More than 30 hrs	8	1	621	2	26	1	3,694	2									
	Total			523	100	43,642	100	1,819	100	219,625	100								
c. Working for pay on campus	tmworkonhrs	0	0 hrs	351	67	29,166	68	1,356	75	153,672	72	<b>4.1</b>	4.5	-0.04	3.5	.08	3.7	.06	
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	33	6	1,818	4	85	4	11,077	4								
	8	6-10 hrs	61	12	3,693	8	125	7	18,438	7									
	13	11-15 hrs	22	4	3,596	8	80	4	14,636	6									
	18	16-20 hrs	34	7	3,263	7	100	5	13,643	6									
	23	21-25 hrs	5	1	1,092	2	31	2	4,091	2									
	28	26-30 hrs	8	2	403	1	11	1	1,514	1									
	33	More than 30 hrs	8	2	635	2	33	3	2,640	1									
	Total			522	100	43,666	100	1,821	100	219,711	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	216	42	20,767	48	621	33	89,780	40	<b>11.8</b>	10.3 **	.12	15.3 ***	-.26	13.3 **	-.11	
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	35	6	2,354	5	81	4	11,047	5								
		8	6-10 hrs	35	7	2,973	6	104	6	13,947	6								
		13	11-15 hrs	44	8	3,233	7	130	7	14,921	6								
		18	16-20 hrs	50	9	4,071	9	189	10	19,774	9								
		23	21-25 hrs	41	8	2,979	7	167	9	15,415	7								
		28	26-30 hrs	22	4	1,956	4	146	8	11,445	5								
		33	More than 30 hrs	78	16	5,358	13	380	23	43,519	22								
		Total			521	100	43,691	100	1,818	100	219,848	100							
Estimated number of hours working for pay	tmworkhrs											<b>15.9</b>	14.7 *	.09	18.7 ***	-.20	17.0	-.08	
	(Continuous variable created by NSSE)												△		▽				
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	279	56	21,695	51	798	44	106,373	50	<b>3.1</b>	3.0	.01	4.1 ***	-.17	3.3	-.04	
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	155	29	15,216	34	643	34	75,940	33								
		8	6-10 hrs	45	8	3,458	8	187	11	18,486	8								
		13	11-15 hrs	16	3	1,486	3	78	5	8,216	4								
		18	16-20 hrs	7	1	849	2	57	3	4,995	2								
		23	21-25 hrs	7	1	431	1	21	1	2,245	1								
		28	26-30 hrs	3	1	172	0	8	0	1,016	0								
	33	More than 30 hrs	10	2	347	1	31	2	2,423	1									
		Total			522	100	43,654	100	1,823	100	219,694	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	15	3	1,042	3	74	4	6,739	3	<b>10.6</b>	11.7 **	-.13	10.5	.01	10.7	-.01	
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	152	29	10,054	23	544	30	61,609	28								
		8	6-10 hrs	152	28	12,340	28	477	25	61,804	28								
		13	11-15 hrs	92	18	8,777	20	303	16	40,094	18								
		18	16-20 hrs	53	10	5,722	13	219	12	24,710	11								
		23	21-25 hrs	23	5	2,439	6	88	5	10,295	5								
		28	26-30 hrs	9	2	1,083	3	35	2	4,632	2								
	33	More than 30 hrs	24	5	2,192	5	81	4	9,738	5									
		Total			520	100	43,649	100	1,821	100	219,621	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				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>
g. Providing care for dependents (children, parents, etc.)	tmcarehrs <i>(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	362	71	32,251	73	1,081	58	140,504	62	<b>4.5</b>	4.1	.04	7.4 ***	-.25	6.7 ***	-.19	
		3	1-5 hrs	51	10	3,851	9	210	11	22,748	10								
		8	6-10 hrs	25	4	1,778	4	96	6	10,915	5								
		13	11-15 hrs	13	2	1,137	3	67	4	7,155	3								
		18	16-20 hrs	19	4	947	2	57	4	6,056	3								
		23	21-25 hrs	4	1	568	1	29	2	3,268	2								
		28	26-30 hrs	2	0	296	1	19	1	2,432	1								
		33	More than 30 hrs	44	8	2,763	7	255	14	26,262	13								
Total				520	100	43,591	100	1,814	100	219,340	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	64	13	6,512	15	351	18	58,009	26	<b>4.7</b>	5.4 **	-.11	6.0 ***	-.19	4.9	-.03	
		3	1-5 hrs	332	65	24,124	55	908	49	103,531	46								
		8	6-10 hrs	81	14	7,916	19	292	16	33,282	16								
		13	11-15 hrs	20	4	2,675	6	117	7	11,943	6								
		18	16-20 hrs	10	2	1,044	3	52	3	5,012	2								
		23	21-25 hrs	4	1	491	1	27	2	2,378	1								
		28	26-30 hrs	3	0	209	0	14	1	1,178	1								
		33	More than 30 hrs	8	2	691	2	58	3	4,336	2								
Total				522	100	43,662	100	1,819	100	219,669	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	tmreadinghrs	1	Very little	150	30	7,941	19	311	17	30,272	14	<b>2.2</b>	2.6 ***	-.37	2.7 ***	-.42	2.8 ***	-.52	
		2	Some	190	36	13,391	31	560	31	61,976	29								
		3	About half	108	20	10,596	24	438	25	60,917	28								
		4	Most	54	10	8,161	18	352	19	46,462	21								
		5	Almost all	19	3	3,526	8	155	8	19,822	9								
		Total				521	100	43,615	100	1,816	100								219,449
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>5.1</b>	6.5 ***	-.23	6.8 ***	-.26	7.1 ***	-.31	

\*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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class		Quality Assurance		NSSE 2018 & 2019			
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>				
<i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	tmreadinghrscol	1	0 hrs	2	1	170	0	9	1	867	0										
		2	More than zero, up to 5 hrs	334	65	22,501	53	950	53	104,112	48										
		3	More than 5, up to 10 hrs	114	22	12,235	28	451	26	63,095	29										
		4	More than 10, up to 15 hrs	32	5	4,077	9	170	9	23,381	10										
		5	More than 15, up to 20 hrs	22	4	2,302	5	100	5	13,278	6										
		6	More than 20, up to 25 hrs	12	2	1,495	3	84	4	9,318	4										
		7	More than 25 hrs	4	1	663	2	46	2	4,477	2										
		Total		520	100	43,443	100	1,810	100	218,528	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	46	11	2,731	7	99	6	10,814	6	<b>2.8</b>	2.9 **	-0.14	3.0 ***	-0.21	3.0 ***	-0.24	▽		
		2	Some	124	25	10,156	24	375	20	45,205	21										
		3	Quite a bit	192	36	17,027	39	726	41	85,583	39										
		4	Very much	155	28	13,530	31	606	33	76,940	35										
		Total		517	100	43,444	100	1,806	100	218,542	100										
b. Speaking clearly and effectively	pgspeak	1	Very little	49	11	3,502	8	135	8	15,405	8	<b>2.8</b>	2.9	-0.05	3.0 **	-0.14	2.9 *	-0.10	▽		
		2	Some	112	23	10,872	25	403	22	49,931	23										
		3	Quite a bit	196	38	16,134	37	649	36	81,875	37										
		4	Very much	161	28	12,994	30	620	34	71,725	32										
		Total		518	100	43,502	100	1,807	100	218,936	100										
c. Thinking critically and analytically	pgthink	1	Very little	16	4	1,008	3	43	3	4,702	3	<b>3.3</b>	3.3	-0.04	3.3	-0.03	3.3	-0.05			
		2	Some	61	12	5,502	13	228	13	26,707	13										
		3	Quite a bit	198	39	16,512	37	668	37	81,951	37										
		4	Very much	242	46	20,490	47	868	47	105,711	48										
		Total		517	100	43,512	100	1,807	100	219,071	100										
d. Analyzing numerical and statistical information	pganalyze	1	Very little	41	8	3,737	8	175	9	21,824	10	<b>3.0</b>	3.0	.08	2.9 ***	.18	2.9 ***	.16	△		
		2	Some	117	22	10,554	23	500	27	57,120	25										
		3	Quite a bit	154	29	14,473	33	602	34	72,188	33										
		4	Very much	206	41	14,759	35	534	30	67,890	32										
		Total		518	100	43,523	100	1,811	100	219,022	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech	Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	30	7	4,030	10	137	8	17,463	9	<b>3.1</b>	2.9 ***	.18	3.0	.05	3.0 **	.12
		2	Some	101	20	10,486	24	372	21	49,313	23							
		3	Quite a bit	169	34	14,559	33	589	33	75,134	34							
		4	Very much	219	40	14,427	33	710	38	77,105	35							
		Total		519	100	43,502	100	1,808	100	219,015	100							
f. Working effectively with others	pgothers	1	Very little	17	4	2,135	5	90	5	10,541	6	<b>3.1</b>	3.0 *	.11	3.1	.05	3.0 *	.10
		2	Some	89	18	9,200	22	361	21	43,820	21							
		3	Quite a bit	193	39	16,704	38	621	35	83,503	37							
		4	Very much	219	39	15,480	35	737	39	81,146	36							
		Total		518	100	43,519	100	1,809	100	219,010	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	67	14	5,358	13	182	11	21,023	11	<b>2.7</b>	2.8	-.01	2.9 **	-.14	2.9 *	-.12
		2	Some	131	26	11,289	26	417	24	51,064	24							
		3	Quite a bit	160	31	14,668	33	579	32	75,736	34							
		4	Very much	161	29	12,158	28	631	34	71,040	31							
		Total		519	100	43,473	100	1,809	100	218,863	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	74	16	4,257	10	154	9	19,744	10	<b>2.6</b>	2.8 ***	-.22	2.9 ***	-.32	2.9 ***	-.25
		2	Some	149	30	11,215	26	423	24	55,061	25							
		3	Quite a bit	155	29	14,918	34	605	33	74,544	33							
		4	Very much	140	25	13,068	30	627	34	69,502	31							
		Total		518	100	43,458	100	1,809	100	218,851	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	37	8	3,810	9	144	8	18,471	9	<b>2.9</b>	2.8 *	.11	2.9	.04	2.8 *	.09
		2	Some	130	25	11,858	27	474	27	58,150	27							
		3	Quite a bit	167	33	15,453	35	598	34	78,025	35							
		4	Very much	185	34	12,366	29	591	32	64,305	29							
		Total		519	100	43,487	100	1,807	100	218,951	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	95	20	5,815	14	211	12	25,977	13	<b>2.5</b>	2.7 **	-.14	2.7 ***	-.23	2.7 ***	-.21
		2	Some	155	31	13,225	30	523	29	62,806	29							
		3	Quite a bit	142	27	13,807	31	567	32	71,240	32							
		4	Very much	125	22	10,676	24	511	28	59,012	27							
		Total		517	100	43,523	100	1,812	100	219,035	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 2019 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		Quality Assurance		NSSE 2018 & 2019		Tennessee Tech		Carnegie Class	Quality Assurance	NSSE 2018 & 2019		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>18. How would you evaluate your entire educational experience at this institution?</b>																		
	evalexp	1	Poor	13	3	1,104	3	45	3	5,287	3	<b>3.3</b>	3.2	.06	3.2	.07	3.3	.01
		2	Fair	52	11	5,211	12	211	12	24,976	12							
		3	Good	228	44	19,759	44	850	46	94,044	42							
		4	Excellent	228	43	17,627	40	710	39	95,568	43							
			Total	521	100	43,701	100	1,816	100	219,875	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	24	5	1,903	5	85	5	10,344	5	<b>3.2</b>	3.2	.00	3.2	.03	3.2	.00
		2	Probably no	56	11	5,208	12	246	13	27,393	12							
		3	Probably yes	202	40	17,236	39	684	37	83,101	37							
		4	Definitely yes	240	44	19,502	44	819	44	99,684	45							
			Total	522	100	43,849	100	1,834	100	220,522	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 2019 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</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>i</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>												
	Tennessee Tech	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Comparisons with:			Comparisons with:			Comparisons with:												
1 a. askquest	580	2.64	2.73	2.89	2.83	.034	.004	.016	.002	.81	.85	.86	.85	56,846	3,519	247,382	.011	.000	.000	-.11	-.30	-.23										
b. drafts	579	2.43	2.36	2.50	2.48	.042	.004	.019	.002	1.02	.98	1.02	.98	589	3,497	246,000	.071	.141	.285	.08	-.07	-.04										
c. unpreparedr	582	3.15	2.92	3.07	3.05	.031	.003	.014	.002	.74	.79	.75	.77	56,420	3,504	245,800	.000	.022	.001	.29	.10	.13										
d. attendart	581	2.18	1.90	2.03	1.91	.033	.004	.018	.002	.80	.91	.96	.93	596	942	584	.000	.000	.000	.31	.16	.30										
e. CLaskhelp	580	2.78	2.72	2.67	2.60	.036	.004	.017	.002	.86	.87	.89	.91	56,153	850	582	.118	.008	.000	.07	.12	.19										
f. CLexplain	580	2.80	2.81	2.74	2.70	.034	.003	.016	.002	.82	.81	.86	.85	55,995	853	581	.747	.100	.004	-.01	.07	.12										
g. CLstudy	572	2.65	2.65	2.61	2.53	.039	.004	.019	.002	.94	.96	.99	.98	55,661	847	574	.884	.396	.004	-.01	.04	.12										
h. CLproject	572	2.80	2.71	2.62	2.64	.034	.004	.017	.002	.82	.86	.89	.89	585	871	575	.016	.000	.000	.10	.20	.18										
i. present	571	2.34	2.21	2.29	2.31	.037	.004	.018	.002	.89	.90	.97	.92	55,222	861	240,742	.001	.261	.456	.14	.05	.03										
2 a. RLintegrate	568	2.52	2.59	2.56	2.58	.034	.004	.017	.002	.81	.84	.88	.85	54,435	863	237,397	.060	.294	.102	-.08	-.05	-.07										
b. RIsocietal	567	2.36	2.55	2.51	2.57	.036	.004	.017	.002	.87	.87	.90	.88	53,972	833	235,640	.000	.000	.000	-.23	-.17	-.25										
c. RIdiverse	564	2.41	2.54	2.55	2.57	.038	.004	.018	.002	.90	.90	.93	.90	53,428	833	233,525	.000	.001	.000	-.15	-.16	-.18										
d. RLownview	558	2.68	2.76	2.79	2.78	.035	.004	.016	.002	.83	.80	.82	.80	568	794	560	.028	.006	.004	-.10	-.13	-.13										
e. RIperspect	548	2.78	2.90	2.91	2.92	.034	.003	.016	.002	.80	.79	.81	.79	558	3,229	549	.001	.001	.000	-.15	-.16	-.17										
f. RLnewview	547	2.74	2.84	2.84	2.85	.032	.003	.015	.002	.75	.78	.80	.79	51,264	3,194	225,153	.005	.012	.001	-.12	-.12	-.14										
g. RLconnect	543	2.94	3.03	3.00	3.04	.031	.003	.015	.002	.73	.73	.75	.74	50,619	3,163	222,548	.005	.084	.002	-.12	-.08	-.13										
3 a. SFcareer	539	2.41	2.30	2.46	2.33	.041	.004	.019	.002	.95	.92	.97	.94	548	3,169	222,704	.006	.333	.049	.12	-.05	.08										
b. SFotherwork	536	1.85	1.81	1.87	1.81	.041	.004	.019	.002	.94	.91	.99	.93	50,324	797	221,439	.265	.701	.366	.05	-.02	.04										
c. SFdiscuss	529	2.03	2.00	2.07	2.03	.038	.004	.019	.002	.87	.88	.95	.90	49,852	807	219,498	.512	.314	.979	.03	-.05	.00										
d. SFperform	529	2.16	2.09	2.27	2.17	.038	.004	.018	.002	.87	.87	.93	.89	49,764	796	219,130	.070	.012	.911	.08	-.11	.00										
4 a. memorize	529	3.09	2.95	2.95	2.91	.032	.004	.015	.002	.74	.80	.79	.81	49,471	3,111	531	.000	.000	.000	.17	.18	.22										
b. HOapply	526	2.94	2.97	2.90	2.91	.035	.004	.016	.002	.81	.79	.81	.80	49,235	3,084	216,525	.498	.211	.342	-.03	.06	.04										
c. HOanalyze	520	2.87	2.92	2.88	2.90	.037	.004	.016	.002	.84	.81	.80	.81	529	721	521	.191	.785	.365	-.06	-.01	-.04										
d. HOevaluate	518	2.73	2.85	2.90	2.89	.037	.004	.016	.002	.85	.83	.81	.81	528	725	520	.002	.000	.000	-.14	-.21	-.20										
e. HOform	518	2.76	2.85	2.89	2.88	.038	.004	.016	.002	.88	.82	.81	.81	527	711	519	.025	.002	.003	-.11	-.16	-.14										
5 a. ETgoals	511	3.05	3.04	3.07	3.06	.033	.004	.016	.002	.75	.76	.79	.78	47,987	759	210,956	.645	.649	.883	.02	-.02	-.01										
b. ETorganize	515	3.04	2.98	2.97	2.99	.035	.004	.017	.002	.80	.79	.83	.82	47,912	3,005	210,479	.094	.120	.197	.07	.08	.06										
c. ETexample	513	3.08	3.00	3.03	3.01	.035	.004	.016	.002	.79	.80	.82	.83	47,735	2,995	209,872	.040	.262	.069	.09	.05	.08										
d. ETdraftfb	511	2.77	2.71	2.88	2.83	.042	.004	.017	.002	.94	.91	.87	.91	47,701	702	513	.155	.015	.154	.06	-.12	-.07										
e. ETfeedback	511	2.65	2.62	2.75	2.73	.040	.004	.018	.002	.90	.89	.90	.90	47,502	2,988	208,797	.372	.030	.057	.04	-.11	-.08										



# NSSE 2019 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</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>i</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Tennessee Tech	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Comparisons with:			Comparisons with:			Comparisons with:						
														Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019				
6 a. QRconclude	500	2.73	2.62	2.65	2.57	.037	.004	.017	.002	.82	.87	.86	.88	512	746	502	.003	.043	.000	.13	.10	.18				
b. QRproblem	496	2.29	2.32	2.33	2.31	.042	.004	.019	.002	.93	.92	.95	.92	46,696	2,927	205,293	.530	.447	.735	-.03	-.04	-.02				
c. QRevaluate	496	2.29	2.36	2.33	2.30	.039	.004	.018	.002	.88	.88	.90	.89	46,547	2,909	204,472	.077	.366	.734	-.08	-.04	-.02				
7 a. wrshortnum	498	4.51	6.37	5.81	6.63	.210	.026	.108	.013	4.69	5.55	5.33	5.72	513	785	501	.000	.000	.000	-.33	-.25	-.37				
b. wrmednum	500	1.24	2.32	1.99	2.36	.122	.015	.065	.007	2.73	3.31	3.18	3.34	516	805	503	.000	.000	.000	-.33	-.24	-.34				
c. wrlongnum	500	.60	.93	.82	.96	.120	.013	.052	.006	2.68	2.73	2.55	2.81	510	699	501	.007	.098	.003	-.12	-.08	-.13				
— wrpages	497	32.15	51.22	45.54	52.71	2.978	.325	1.373	.158	66.38	69.42	67.30	71.04	508	722	499	.000	.000	.000	-.27	-.20	-.29				
8 a. DDrace	499	2.92	3.12	2.93	3.03	.041	.004	.019	.002	.91	.87	.94	.91	46,249	2,912	203,357	.000	.824	.009	-.22	-.01	-.12				
b. DDeconomic	499	3.02	3.09	2.96	3.02	.038	.004	.018	.002	.84	.85	.91	.89	509	757	501	.067	.138	.937	-.08	.07	.00				
c. DDreligion	495	2.89	3.04	2.89	2.93	.041	.004	.019	.002	.91	.90	.93	.94	46,173	2,910	202,940	.000	.981	.304	-.17	.00	-.05				
d. DDpolitical	498	2.98	2.95	2.90	2.89	.038	.004	.019	.002	.84	.91	.94	.94	509	776	500	.437	.050	.021	.03	.09	.09				
9 a. LSreading	497	2.91	2.97	2.99	3.00	.033	.004	.016	.002	.74	.77	.77	.77	45,849	2,884	201,496	.062	.033	.005	-.08	-.11	-.13				
b. LSnotes	492	3.05	2.85	3.02	2.90	.039	.004	.018	.002	.88	.88	.86	.88	45,806	2,880	201,343	.000	.448	.000	.22	.04	.17				
c. LSsummary	495	2.85	2.77	2.89	2.81	.040	.004	.018	.002	.89	.87	.88	.87	45,749	2,872	201,132	.030	.406	.314	.10	-.04	.05				
10. challenge	495	5.50	5.37	5.43	5.42	.052	.006	.026	.003	1.16	1.23	1.28	1.26	45,503	766	497	.020	.231	.147	.10	.06	.06				
11 a. intern <sup>l</sup>	491	.081	.085	.063	.078	.0123	.0013	.0050	.0006	--	--	--	--	--	--	--	.746	.153	.834	-.01	.07	.01				
b. leader <sup>l</sup>	490	.116	.127	.090	.109	.0145	.0016	.0059	.0007	--	--	--	--	--	--	--	.468	.072	.654	-.03	.09	.02				
c. learncom <sup>l</sup>	489	.069	.150	.096	.125	.0115	.0017	.0061	.0007	--	--	--	--	--	--	--	.000	.060	.000	-.26	-.10	-.19				
d. abroad <sup>l</sup>	491	.012	.036	.028	.030	.0049	.0009	.0034	.0004	--	--	--	--	--	--	--	.004	.032	.016	-.17	-.12	-.13				
e. research <sup>l</sup>	490	.050	.054	.053	.047	.0099	.0011	.0046	.0005	--	--	--	--	--	--	--	.688	.800	.720	-.02	-.01	.02				
f. capstone <sup>l</sup>	491	.010	.019	.040	.019	.0045	.0006	.0040	.0003	--	--	--	--	--	--	--	.169	.001	.145	-.07	-.20	-.08				
12. servcourse	487	1.68	1.56	1.65	1.64	.031	.003	.015	.002	.68	.68	.71	.71	44,947	2,840	488	.000	.446	.256	.18	.04	.05				
13 a. QIstudent	485	5.59	5.42	5.34	5.40	.056	.006	.029	.003	1.24	1.34	1.41	1.39	44,655	773	487	.006	.000	.001	.13	.18	.13				
b. QIadvisor	482	5.60	5.31	5.32	5.32	.065	.008	.034	.004	1.42	1.59	1.63	1.63	494	770	484	.000	.000	.000	.18	.17	.17				
c. QIfaculty	482	5.44	5.27	5.28	5.36	.059	.006	.030	.003	1.29	1.35	1.46	1.40	44,336	760	484	.007	.021	.178	.12	.11	.06				
d. QIstaff	440	5.43	5.11	5.09	5.12	.062	.008	.036	.004	1.31	1.55	1.64	1.61	452	761	442	.000	.000	.000	.21	.21	.19				
e. QIadmin	465	5.30	4.98	4.90	5.09	.067	.008	.037	.004	1.44	1.58	1.75	1.63	40,399	777	467	.000	.000	.002	.20	.23	.13				
14 a. empstudy	487	3.18	3.09	3.10	3.08	.031	.004	.016	.002	.69	.74	.77	.75	44,565	2,819	195,879	.008	.027	.003	.12	.11	.14				
b. SEacademic	487	3.07	3.04	3.08	3.06	.035	.004	.017	.002	.78	.80	.84	.82	44,444	745	195,374	.448	.814	.712	.03	-.01	.02				
c. SElearnsup	485	3.09	3.09	3.20	3.11	.039	.004	.018	.002	.85	.85	.86	.87	44,409	704	195,238	.966	.017	.608	.00	-.12	-.02				

# NSSE 2019 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</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					Carnegie Class				Quality Assurance				NSSE 2018 & 2019				Comparisons with:			Comparisons with:			Comparisons with:		
	Tennessee Tech	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019				
d. SEdiverse	485	2.69	2.78	2.77	2.76	.041	.005	.020	.002	.90	.94	.96	.96	44,320	2,805	194,898	.024	.065	.080	-.10	-.09	-.08				
e. SESocial	486	2.98	2.99	3.00	2.96	.036	.004	.018	.002	.80	.85	.86	.88	44,300	742	488	.648	.598	.595	-.02	-.03	.02				
f. SEwellness	485	2.93	2.97	2.99	2.91	.038	.004	.018	.002	.84	.88	.87	.91	44,210	2,801	486	.220	.134	.773	-.06	-.07	.01				
g. SEonacad	482	2.19	2.32	2.39	2.34	.041	.005	.021	.002	.91	.96	1.01	.98	493	749	484	.003	.000	.000	-.13	-.20	-.15				
h. SEactivities	483	2.85	2.89	2.91	2.79	.038	.004	.018	.002	.84	.89	.88	.95	44,145	2,790	485	.347	.195	.148	-.04	-.06	.06				
i. SEevents	483	2.39	2.50	2.56	2.49	.038	.004	.020	.002	.84	.93	.94	.96	495	755	485	.003	.000	.007	-.13	-.18	-.11				
15 a. tmprephrs	483	14.55	15.38	13.55	14.51	.377	.039	.164	.019	8.29	8.16	7.90	8.20	43,914	677	193,163	.026	.015	.913	-.10	.13	.00				
b. tmcocurrhrs	482	5.17	6.18	5.34	5.69	.306	.033	.148	.016	6.72	6.94	7.09	7.10	493	724	484	.001	.623	.095	-.14	-.02	-.07				
c. tmworkonhrs	483	2.05	2.68	3.02	2.50	.222	.029	.142	.013	4.89	6.05	6.82	5.82	499	923	486	.005	.000	.046	-.10	-.15	-.08				
d. tmworkoffhrs	484	6.14	3.88	7.24	6.14	.445	.038	.223	.024	9.78	7.98	10.72	10.32	490	747	192,905	.000	.027	.995	.28	-.10	.00				
— tmworkhrs	483	8.18	6.51	10.26	8.60	.507	.051	.270	.027	11.14	10.58	12.94	11.85	43,697	781	485	.001	.000	.402	.16	-.17	-.04				
e. tmservicehrs	482	2.46	2.53	3.05	2.61	.222	.023	.116	.011	4.88	4.74	5.57	4.97	43,851	2,780	192,800	.733	.031	.500	-.02	-.11	-.03				
f. tmrelaxhrs	482	12.11	13.26	12.31	12.49	.362	.041	.183	.020	7.95	8.47	8.79	8.64	43,854	749	484	.003	.608	.291	-.14	-.02	-.04				
g. tmcarehrs	482	2.00	1.81	3.16	3.19	.258	.026	.155	.018	5.66	5.34	7.43	7.72	43,750	867	486	.436	.000	.000	.04	-.16	-.15				
h. tmcommutehrs	481	4.03	4.31	4.91	4.10	.259	.029	.144	.014	5.68	6.04	6.91	6.35	492	807	483	.291	.003	.793	-.05	-.13	-.01				
16. reading	483	2.44	2.56	2.48	2.71	.048	.005	.022	.002	1.05	1.09	1.04	1.09	43,764	2,780	192,442	.011	.410	.000	-.12	-.04	-.25				
— tmreadinghrs	482	5.64	6.28	5.37	6.51	.242	.026	.107	.013	5.31	5.46	5.13	5.75	43,543	2,772	484	.011	.308	.000	-.12	.05	-.15				
17 a. pgwrite	478	2.58	2.70	2.86	2.81	.040	.004	.018	.002	.87	.89	.86	.86	43,567	686	479	.005	.000	.000	-.13	-.32	-.27				
b. pgspeak	480	2.65	2.58	2.75	2.69	.038	.005	.019	.002	.84	.94	.92	.92	493	742	482	.089	.018	.302	.07	-.11	-.04				
c. pgthink	480	3.00	3.05	3.09	3.07	.037	.004	.017	.002	.81	.81	.80	.81	43,597	2,771	191,665	.197	.039	.072	-.06	-.10	-.08				
d. pganalyze	482	2.73	2.71	2.72	2.65	.042	.005	.019	.002	.91	.94	.92	.95	43,568	2,764	484	.759	.929	.071	.01	.00	.08				
e. pgwork	482	2.59	2.60	2.64	2.62	.043	.005	.020	.002	.94	.95	.97	.96	43,592	2,767	191,597	.832	.267	.375	-.01	-.06	-.04				
f. pgothers	480	2.78	2.81	2.85	2.85	.038	.004	.019	.002	.83	.88	.89	.88	43,535	2,758	191,441	.509	.148	.129	-.03	-.07	-.07				
g. pgvalues	479	2.49	2.64	2.65	2.71	.043	.005	.020	.002	.93	.95	.96	.94	43,541	2,760	191,445	.001	.001	.000	-.16	-.17	-.23				
h. pgdiverse	481	2.56	2.77	2.75	2.79	.042	.004	.020	.002	.91	.93	.93	.94	43,523	2,757	191,366	.000	.000	.000	-.23	-.20	-.25				
i. pgprobsolve	479	2.55	2.64	2.66	2.65	.041	.004	.019	.002	.90	.93	.93	.93	43,516	2,753	191,458	.028	.019	.016	-.10	-.12	-.11				
j. pgcitizen	481	2.46	2.63	2.61	2.65	.041	.005	.020	.002	.91	.94	.97	.95	43,591	734	191,643	.000	.001	.000	-.19	-.17	-.21				
18. evalexp	484	3.18	3.20	3.13	3.18	.030	.003	.016	.002	.67	.73	.76	.74	496	768	486	.619	.141	.931	-.02	.07	.00				
19. sameinst	487	3.31	3.24	3.18	3.21	.034	.004	.017	.002	.75	.79	.83	.81	43,995	2,783	193,399	.059	.001	.006	.09	.16	.13				
20. returnexp <sup>l</sup>	487	.926	.901	.864	.873	.0119	.0014	.0071	.0008	--	--	--	--	--	--	--	.066	.000	.000	.09	.20	.18				

# NSSE 2019 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</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	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Comparisons with:			Comparisons with:			Comparisons with:		
														Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019
1 a. askquest	610	3.01	2.95	3.20	3.10	.035	.004	.017	.002	.87	.89	.83	.87	65,157	2,918	253,033	.142	.000	.011	.06	-.23	-.10
b. drafts	609	2.35	2.29	2.49	2.41	.042	.004	.022	.002	1.04	1.00	1.04	1.02	619	2,909	251,878	.168	.002	.141	.06	-.14	-.06
c. unpreparedr	604	3.11	2.86	3.07	3.01	.032	.003	.017	.002	.78	.84	.81	.82	616	2,904	251,632	.000	.316	.003	.30	.05	.12
d. attendart	604	1.72	1.83	1.84	1.79	.034	.004	.020	.002	.84	.89	.94	.90	64,593	1,038	607	.002	.002	.025	-.12	-.13	-.08
e. CLaskhelp	604	2.65	2.53	2.53	2.41	.036	.004	.020	.002	.89	.92	.94	.94	64,532	989	251,004	.001	.002	.000	.14	.14	.26
f. CLexplain	606	2.93	2.80	2.83	2.71	.034	.003	.018	.002	.84	.85	.88	.90	617	988	608	.000	.016	.000	.15	.11	.25
g. CLstudy	602	2.74	2.56	2.60	2.45	.041	.004	.021	.002	1.01	1.00	1.01	1.02	64,080	2,879	249,450	.000	.002	.000	.18	.14	.29
h. CLproject	600	3.08	2.91	2.83	2.80	.035	.004	.020	.002	.86	.91	.96	.95	612	1,027	602	.000	.000	.000	.19	.27	.29
i. present	599	2.72	2.67	2.70	2.68	.038	.004	.021	.002	.93	.96	.98	.99	63,874	2,860	601	.203	.529	.209	.05	.03	.05
2 a. RLintegrate	593	2.99	2.92	2.93	2.92	.034	.003	.018	.002	.83	.83	.85	.84	63,317	2,840	595	.062	.162	.035	.08	.06	.09
b. RIsocietal	594	2.57	2.71	2.80	2.78	.036	.004	.019	.002	.88	.91	.92	.91	63,024	2,834	245,605	.000	.000	.000	-.16	-.26	-.24
c. RIdiverse	590	2.27	2.52	2.62	2.61	.040	.004	.021	.002	.98	.97	.98	.96	62,514	2,814	243,942	.000	.000	.000	-.26	-.36	-.36
d. Rlownview	587	2.67	2.79	2.88	2.84	.036	.003	.018	.002	.88	.83	.85	.83	596	896	589	.001	.000	.000	-.15	-.24	-.21
e. Rlperspect	579	2.74	2.95	2.99	2.98	.036	.003	.017	.002	.86	.81	.80	.80	588	865	581	.000	.000	.000	-.26	-.31	-.30
f. Rlnewview	574	2.80	2.94	2.99	2.96	.035	.003	.017	.002	.84	.79	.80	.79	583	866	576	.000	.000	.000	-.17	-.23	-.20
g. RLconnect	570	3.09	3.16	3.19	3.19	.033	.003	.016	.001	.78	.74	.73	.73	60,086	2,707	235,937	.025	.003	.001	-.09	-.14	-.14
3 a. SFcareer	568	2.55	2.40	2.63	2.46	.042	.004	.022	.002	1.00	.98	1.02	.99	60,081	2,710	236,046	.000	.105	.034	.15	-.08	.09
b. SFotherwork	569	2.14	1.98	2.08	1.97	.045	.004	.023	.002	1.07	1.01	1.07	1.03	578	2,711	570	.000	.229	.000	.16	.06	.17
c. SFdiscuss	562	2.31	2.14	2.33	2.16	.039	.004	.022	.002	.93	.93	1.00	.96	59,401	935	233,624	.000	.515	.000	.18	-.03	.15
d. SFperform	560	2.31	2.13	2.42	2.23	.039	.004	.021	.002	.92	.90	.96	.93	570	906	233,450	.000	.019	.035	.20	-.11	.09
4 a. memorize	557	2.76	2.79	2.83	2.74	.038	.004	.019	.002	.90	.88	.87	.88	59,062	851	232,413	.388	.108	.562	-.04	-.08	.02
b. HOapply	556	3.15	3.06	3.09	3.07	.034	.003	.018	.002	.79	.80	.82	.79	58,866	2,666	231,679	.007	.178	.026	.11	.06	.09
c. HOanalyze	555	3.02	3.00	3.08	3.03	.036	.003	.018	.002	.86	.83	.83	.82	564	2,650	556	.615	.146	.773	.02	-.07	-.01
d. HOevaluate	554	2.77	2.84	2.97	2.94	.041	.004	.019	.002	.95	.89	.86	.85	562	807	555	.057	.000	.000	-.09	-.23	-.20
e. HOform	552	2.88	2.88	2.99	2.95	.038	.004	.019	.002	.88	.85	.84	.83	57,908	838	553	.900	.009	.057	-.01	-.13	-.09
5 a. ETgoals	550	3.09	3.11	3.19	3.14	.033	.003	.017	.002	.78	.78	.79	.79	57,493	874	226,899	.689	.008	.136	-.02	-.13	-.06
b. ETorganize	549	2.97	3.03	3.07	3.07	.036	.003	.019	.002	.83	.81	.87	.82	57,390	893	226,544	.081	.015	.005	-.07	-.11	-.12
c. ETexample	548	3.11	3.07	3.13	3.09	.034	.003	.019	.002	.80	.82	.85	.83	57,276	904	226,108	.281	.707	.528	.05	-.02	.03
d. ETdraftfb	544	2.66	2.64	2.88	2.77	.042	.004	.022	.002	.99	.96	.98	.96	57,227	2,606	225,864	.725	.000	.006	.02	-.22	-.12
e. ETfeedback	546	2.76	2.69	2.89	2.82	.039	.004	.021	.002	.92	.90	.94	.91	57,018	2,598	225,138	.097	.003	.106	.07	-.14	-.07

# NSSE 2019 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</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	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Comparisons with:			Comparisons with:			Comparisons with:		
														Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019
6 a. QRconclude	543	2.80	2.69	2.65	2.64	.039	.004	.021	.002	.90	.91	.93	.91	56,490	872	223,331	.007	.001	.000	.12	.17	.17
b. QRproblem	540	2.48	2.43	2.42	2.42	.041	.004	.022	.002	.96	.96	.98	.95	56,211	2,559	222,360	.185	.202	.116	.06	.06	.07
c. QRevaluate	536	2.47	2.47	2.40	2.42	.041	.004	.021	.002	.94	.92	.94	.92	56,009	2,561	221,695	.960	.134	.163	.00	.07	.06
7 a. wrshortnum	537	6.19	7.19	7.21	7.75	.270	.028	.145	.014	6.26	6.47	6.53	6.70	55,797	2,555	539	.000	.001	.000	-.16	-.16	-.23
b. wrmednum	537	3.06	3.30	3.18	3.65	.207	.018	.096	.010	4.80	4.27	4.28	4.50	55,597	2,541	220,265	.204	.602	.002	-.06	-.03	-.13
c. wrlongnum	535	1.92	1.91	1.86	1.98	.184	.016	.086	.008	4.26	3.70	3.86	3.75	55,733	2,549	220,633	.935	.742	.728	.00	.02	-.02
— wrpages	530	71.89	76.17	74.41	81.74	4.707	.400	2.156	.206	108.41	93.49	96.33	96.22	55,261	2,526	218,712	.294	.603	.019	-.05	-.03	-.10
8 a. DDrace	536	2.83	3.14	3.04	3.07	.040	.004	.021	.002	.93	.89	.94	.92	55,693	2,551	220,471	.000	.000	.000	-.35	-.23	-.26
b. DDeconomic	537	2.96	3.11	3.10	3.05	.037	.004	.019	.002	.85	.87	.86	.89	547	854	539	.000	.001	.009	-.17	-.17	-.11
c. DDreligion	537	2.89	3.06	3.01	2.97	.039	.004	.020	.002	.91	.91	.92	.94	55,594	2,553	220,029	.000	.013	.081	-.19	-.12	-.08
d. DDpolitical	539	2.94	2.96	3.01	2.93	.038	.004	.020	.002	.88	.93	.92	.93	550	2,555	541	.730	.124	.689	-.01	-.07	.02
9 a. LSreading	533	2.91	3.04	3.12	3.10	.037	.003	.018	.002	.86	.81	.78	.79	542	782	535	.001	.000	.000	-.16	-.26	-.24
b. LSnotes	534	2.95	2.76	2.98	2.83	.039	.004	.020	.002	.91	.93	.91	.93	544	2,526	536	.000	.471	.003	.21	-.04	.13
c. LSsummary	533	2.80	2.75	2.95	2.83	.040	.004	.020	.002	.91	.91	.89	.90	55,159	819	218,762	.296	.000	.313	.05	-.17	-.04
10. challenge	531	5.60	5.40	5.62	5.55	.057	.006	.031	.003	1.31	1.32	1.40	1.32	54,809	883	217,448	.000	.783	.368	.16	-.01	.04
11 a. intern <sup>l</sup>	532	.564	.532	.456	.486	.0215	.0021	.0112	.0011	--	--	--	--	--	--	--	.140	.000	.000	.06	.22	.16
b. leader <sup>l</sup>	531	.402	.408	.318	.350	.0213	.0021	.0105	.0010	--	--	--	--	--	--	--	.780	.000	.011	-.01	.18	.11
c. learncom <sup>l</sup>	523	.220	.233	.240	.226	.0181	.0018	.0096	.0009	--	--	--	--	--	--	--	.485	.338	.727	-.03	-.05	-.02
d. abroad <sup>l</sup>	525	.098	.190	.085	.143	.0130	.0017	.0063	.0008	--	--	--	--	--	--	--	.000	.343	.004	-.26	.05	-.14
e. research <sup>l</sup>	524	.318	.264	.216	.226	.0204	.0019	.0093	.0009	--	--	--	--	--	--	--	.005	.000	.000	.12	.23	.21
f. capstone <sup>l</sup>	524	.587	.444	.474	.450	.0215	.0021	.0113	.0011	--	--	--	--	--	--	--	.000	.000	.000	.29	.23	.28
12. servcourse	520	1.76	1.65	1.84	1.75	.032	.003	.018	.002	.72	.69	.78	.73	54,444	2,482	216,005	.000	.023	.947	.16	-.11	.00
13 a. QIstudent	512	5.83	5.52	5.59	5.56	.053	.006	.031	.003	1.19	1.33	1.34	1.35	523	891	514	.000	.000	.000	.23	.18	.20
b. QIadvisor	517	5.47	5.08	5.25	5.27	.075	.008	.040	.004	1.70	1.78	1.77	1.75	53,952	2,434	212,839	.000	.011	.011	.22	.13	.11
c. QIfaculty	519	5.44	5.35	5.48	5.52	.065	.006	.033	.003	1.47	1.38	1.45	1.39	527	2,454	213,705	.154	.629	.192	.07	-.02	-.06
d. QIstaff	414	5.10	4.89	4.93	4.97	.084	.008	.045	.004	1.71	1.67	1.77	1.72	45,939	1,962	174,408	.011	.077	.132	.13	.10	.07
e. QIadmin	499	5.07	4.78	4.69	4.99	.078	.008	.042	.004	1.73	1.70	1.82	1.72	49,838	813	201,453	.000	.000	.258	.17	.21	.05
14 a. empstudy	516	3.05	3.09	3.06	3.08	.034	.003	.018	.002	.77	.77	.78	.77	54,198	2,461	214,972	.309	.994	.378	-.04	.00	-.04
b. SEacademic	518	2.87	2.87	2.93	2.94	.038	.004	.020	.002	.86	.85	.87	.86	54,088	2,463	214,529	.987	.163	.059	.00	-.07	-.08
c. SElearnsup	515	2.72	2.79	2.87	2.87	.041	.004	.021	.002	.93	.92	.93	.93	54,074	2,456	214,444	.056	.001	.000	-.08	-.16	-.16

# NSSE 2019 Frequencies and Statistical Comparisons

Detailed Statistics<sup>g</sup>

## Tennessee Technological University

### Seniors

Variable Name	N					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	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Tennessee Tech	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Comparisons with:			Comparisons with:			Comparisons with:		
														Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019
d. SEdiverse	518	2.45	2.59	2.66	2.62	.041	.004	.022	.002	.93	.99	.98	1.00	528	2,456	519	.000	.000	.000	-.15	-.22	-.17
e. SESocial	514	2.75	2.84	2.90	2.80	.039	.004	.020	.002	.88	.91	.90	.93	53,909	2,452	213,782	.019	.000	.185	-.10	-.18	-.06
f. SEwellness	515	2.58	2.75	2.81	2.71	.041	.004	.022	.002	.94	.95	.95	.97	53,810	2,443	213,403	.000	.000	.002	-.18	-.24	-.14
g. SEonacad	514	1.90	2.02	2.13	2.09	.041	.004	.023	.002	.93	.96	1.00	.99	53,795	855	516	.003	.000	.000	-.13	-.23	-.19
h. SEactivities	515	2.45	2.68	2.71	2.53	.042	.004	.022	.002	.94	.96	.97	1.01	53,713	2,441	517	.000	.000	.048	-.24	-.28	-.08
i. SEevents	513	2.12	2.34	2.44	2.32	.041	.004	.022	.002	.93	.94	.99	.97	522	845	515	.000	.000	.000	-.23	-.34	-.21
15 a. tmprephrs	513	15.32	15.11	14.54	14.94	.395	.039	.198	.019	8.94	8.88	8.70	8.80	53,590	2,442	212,704	.594	.072	.338	.02	.09	.04
b. tmcocurrhrs	514	4.87	5.54	4.65	4.92	.309	.031	.161	.016	7.00	7.08	7.08	7.16	53,488	2,441	212,263	.034	.514	.879	-.09	.03	-.01
c. tmworkonhrs	512	4.13	4.47	3.54	3.68	.333	.034	.172	.016	7.53	7.79	7.58	7.20	522	2,440	212,362	.305	.120	.160	-.04	.08	.06
d. tmworkoffhrs	511	11.81	10.30	15.25	13.31	.563	.054	.303	.029	12.73	12.37	13.29	13.53	53,549	829	513	.006	.000	.008	.12	-.26	-.11
— tmworkhrs	511	15.95	14.74	18.73	16.97	.598	.056	.316	.029	13.52	12.89	13.86	13.49	53,364	2,430	211,613	.036	.000	.088	.09	-.20	-.08
e. tmservicehrs	512	3.06	3.03	4.11	3.32	.264	.023	.147	.012	5.98	5.31	6.46	5.72	53,503	855	212,323	.883	.001	.311	.01	-.17	-.04
f. tmrelaxhrs	511	10.63	11.69	10.53	10.70	.365	.036	.188	.018	8.25	8.33	8.27	8.17	53,499	2,439	212,297	.004	.814	.851	-.13	.01	-.01
g. tmcarehrs	511	4.47	4.08	7.37	6.65	.424	.040	.271	.025	9.58	9.16	11.88	11.52	53,411	969	513	.344	.000	.000	.04	-.25	-.19
h. tmcommutehrs	512	4.69	5.36	6.01	4.91	.241	.026	.167	.014	5.45	5.93	7.31	6.33	523	1,053	515	.006	.000	.379	-.11	-.19	-.03
16. reading	511	2.20	2.64	2.69	2.81	.048	.005	.027	.003	1.08	1.20	1.19	1.18	523	870	513	.000	.000	.000	-.37	-.42	-.52
— tmreadinghrs	511	5.12	6.46	6.78	7.10	.231	.026	.149	.014	5.22	5.95	6.52	6.35	523	976	513	.000	.000	.000	-.23	-.26	-.31
17 a. pgwrite	507	2.82	2.94	3.00	3.02	.043	.004	.020	.002	.96	.90	.88	.88	515	743	508	.004	.000	.000	-.14	-.21	-.24
b. pgspeak	509	2.83	2.88	2.96	2.93	.042	.004	.021	.002	.96	.93	.93	.93	53,298	2,424	211,578	.260	.006	.018	-.05	-.14	-.10
c. pgthink	508	3.26	3.29	3.28	3.30	.036	.003	.018	.002	.81	.79	.79	.78	53,330	2,423	211,719	.407	.587	.267	-.04	-.03	-.05
d. pganalyze	508	3.03	2.95	2.85	2.88	.043	.004	.022	.002	.98	.96	.95	.97	53,341	2,428	211,659	.073	.000	.000	.08	.18	.16
e. pgwork	509	3.06	2.89	3.02	2.95	.041	.004	.022	.002	.93	.98	.95	.96	519	2,427	211,641	.000	.333	.009	.18	.05	.12
f. pgothers	508	3.13	3.03	3.08	3.04	.037	.004	.020	.002	.84	.89	.90	.89	53,329	2,425	211,646	.011	.275	.027	.11	.05	.10
g. pgvalues	509	2.74	2.75	2.89	2.86	.045	.004	.023	.002	1.03	1.00	.99	.98	53,263	779	510	.774	.005	.012	-.01	-.14	-.12
h. pgdiverse	509	2.62	2.83	2.93	2.86	.046	.004	.022	.002	1.03	.97	.96	.97	517	759	510	.000	.000	.000	-.22	-.32	-.25
i. pgprobsolve	509	2.93	2.83	2.89	2.84	.042	.004	.022	.002	.96	.95	.94	.95	53,295	2,423	211,606	.014	.452	.043	.11	.04	.09
j. pgcitizen	508	2.51	2.66	2.75	2.72	.046	.004	.023	.002	1.05	1.00	.99	.99	516	765	509	.003	.000	.000	-.14	-.23	-.21
18. evalexp	511	3.27	3.22	3.21	3.26	.033	.003	.017	.002	.76	.77	.75	.77	53,581	2,436	212,617	.173	.141	.739	.06	.07	.01
19. sameinst	512	3.23	3.23	3.20	3.23	.037	.004	.020	.002	.84	.84	.87	.85	53,770	2,456	213,287	.979	.502	.994	.00	.03	.00

### 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" or "Yes."
- 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 Ns 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" or "Yes."