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# **NSSE 2020**

## **Frequencies and Statistical Comparisons**

Tennessee Technological University

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# NSSE 2020 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](https://nsse.indiana.edu)) or contact a member of the NSSE team.

1. **Class level:** As reported by your institution.
2. **Item numbers:** Numbering corresponds to the survey available on the NSSE website.
3. **Item wording and variable names:** Survey items are in the same order and wording as they appear on the instrument. Variable names are included for easy reference to your data file and codebook.
4. **Values and response options:** Values are used to calculate means. Response options are worded as they appear on the instrument.
5. **Count and column percentage (%):** The Count column contains the number of students who selected the corresponding response option. The column percentage is the weighted percentage of students selecting the corresponding response option.

**Note:** Column percentages and statistics are weighted by institution-reported sex and enrollment status. Comparison group statistics are also weighted by institutional size. Counts are unweighted and cannot be used to replicate column percentages. For details visit: [go.iu.edu/NSSE-weights](https://go.iu.edu/NSSE-weights)

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



### NSSE Frequencies and Statistical Comparisons

NSSEville State University

		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>	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>	Mean	Effect size <sup>d</sup>	Mean	Effect size <sup>d</sup>
<b>6. During the current school year, about how often have you done the following?</b>																
<b>a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)</b>																
	QRconclude	1	Never	3	0	244	2	54	2	6,952	3					
		2	Sometimes	197	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>3.3</b>	3.0 ***	.27	3.0 ***	.35	2.9 ***	.43
<b>b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)</b>																
	QRproblem	1	Never	82	13	2,369	14	401	14	35,490	16					
		2	Sometimes	267	42	5,959	37	978	34	79,495	34					
		3	Often	164	26	4,548	29	83	3	67,348	29					
		4	Very often	113	19	2,722	20	52	2	47,208	21					
	Total	626	100	15,148	100	2,858	100	229,541	100	<b>2.5</b>	2.5	-.04	2.6 *	-.09	2.6	-.05
<b>c. Evaluated what others have concluded from numerical information</b>																
	QRevaluate	1	Never	25	4	778	5	134	5	12,543	6					
		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	<b>3.1</b>	3.1	.02	3.1	-.04	3.0	.06

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

8. **Key to symbols:**

- ▲ **Your students' average** was significantly higher ( $p < .05$ ) with an effect size at least .3 in magnitude.
- △ **Your students' average** was significantly higher ( $p < .05$ ) with an effect size less than .3 in magnitude.
- ▽ **Your students' average** was significantly lower ( $p < .05$ ) with an effect size less than .3 in magnitude.
- ▼ **Your students' average** was significantly lower ( $p < .05$ ) with an effect size at least .3 in magnitude.

Note: It is important to interpret the direction of differences relative to item wording and your institutional context.

# NSSE 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>1. During the current school year, about how often have you done the following?</b>																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	18	4	1,969	5	1,713	4	9,200	4	<b>2.7</b>	2.7	.00	2.7	.01	2.8	-.06
		2	Sometimes	195	38	17,404	39	17,073	40	94,268	37							
		3	Often	198	38	15,358	34	14,409	34	90,059	35							
		4	Very often	104	20	10,345	23	9,083	22	62,351	24							
		Total		515	100	45,076	100	42,278	100	255,878	100							
b. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	20	3	2,260	5	2,127	5	12,198	5	<b>3.1</b>	3.0 *	.10	3.0 **	.12	3.1	.07
		2	Often	54	11	5,422	12	5,371	13	29,267	12							
		3	Sometimes	276	55	24,967	55	23,833	56	140,362	55							
		4	Never	165	31	12,249	27	10,821	26	73,143	29							
		Total		515	100	44,898	100	42,152	100	254,970	100							
c. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	119	25	18,706	42	17,395	43	105,173	43	<b>2.0</b>	1.9 ***	.19	1.8 ***	.20	1.8 ***	.20
		2	Sometimes	287	54	16,738	37	15,791	37	94,157	36							
		3	Often	75	15	5,998	13	5,877	13	35,317	13							
		4	Very often	36	6	3,319	7	2,989	7	19,750	7							
		Total		517	100	44,761	100	42,052	100	254,397	100							
d. Asked another student to help you understand course material	CLaskhelp	1	Never	44	9	3,706	9	3,075	9	23,263	11	<b>2.7</b>	2.6 **	.12	2.7 *	.10	2.6 ***	.17
		2	Sometimes	157	30	16,368	37	15,104	37	93,072	37							
		3	Often	200	39	15,898	35	15,431	36	90,577	34							
		4	Very often	113	22	8,700	19	8,380	19	47,110	18							
		Total		514	100	44,672	100	41,990	100	254,022	100							
e. Explained course material to one or more students	CLexplain	1	Never	23	4	2,204	5	1,746	5	15,411	7	<b>2.8</b>	2.7	.01	2.7	.01	2.7	.07
		2	Sometimes	192	38	15,934	36	14,802	36	90,817	36							
		3	Often	188	37	17,580	39	16,963	40	99,778	38							
		4	Very often	108	21	8,785	20	8,354	20	47,314	19							
		Total		511	100	44,503	100	41,865	100	253,320	100							
f. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	68	13	6,066	14	5,417	14	37,059	16	<b>2.7</b>	2.6 *	.10	2.6 *	.11	2.5 ***	.16
		2	Sometimes	152	30	14,753	34	14,101	34	85,121	34							
		3	Often	162	32	14,080	31	13,499	32	80,187	31							
		4	Very often	127	25	9,294	21	8,622	20	49,587	19							
		Total		509	100	44,193	100	41,639	100	251,954	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	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. Worked with other students on course projects or assignments	CLproject	1	Never	38	8	3,619	8	2,627	7	20,998	9	<b>2.8</b>	2.7 *	.11	2.7 *	.09	2.6 **	.13																	
		2	Sometimes	165	33	15,958	37	15,297	37	89,003	36								△	△	△														
		3	Often	188	36	15,835	36	15,598	37	92,932	36																								
		4	Very often	115	23	8,410	19	7,884	19	47,494	18																								
		Total		506	100	43,822	100	41,406	100	250,427	100																								
h. Given a course presentation	present	1	Never	70	14	10,251	23	7,999	20	47,534	20	<b>2.4</b>	2.2 ***	.23	2.3 ***	.18	2.3 ***	.16																	
		2	Sometimes	226	45	18,702	43	19,010	45	109,279	43								△	△	△														
		3	Often	131	26	10,232	23	10,222	25	65,120	25																								
		4	Very often	75	15	4,548	10	4,104	10	28,142	11																								
		Total		502	100	43,733	100	41,335	100	250,075	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	58	12	4,223	10	3,134	9	20,402	9	<b>2.5</b>	2.5	-.04	2.6 *	-.09	2.6	-.08																	
		2	Sometimes	197	40	17,131	40	16,053	40	96,997	40								▽																
		3	Often	174	35	15,343	35	15,519	37	91,934	37																								
		4	Very often	67	14	6,276	14	5,967	15	37,018	15																								
		Total		496	100	42,973	100	40,673	100	246,351	100																								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	74	16	4,663	12	3,848	11	22,610	10	<b>2.4</b>	2.5 ***	-.17	2.5 ***	-.21	2.6 ***	-.23																	
		2	Sometimes	212	43	16,699	40	15,894	40	94,223	39								▽	▽	▽														
		3	Often	150	30	14,596	33	14,348	35	87,988	35																								
		4	Very often	57	11	6,579	15	6,217	15	39,601	16																								
		Total		493	100	42,537	100	40,307	100	244,422	100																								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	74	15	4,907	12	4,402	12	25,208	12	<b>2.4</b>	2.5 ***	-.20	2.5 ***	-.21	2.6 ***	-.23																	
		2	Sometimes	214	46	15,691	38	15,263	38	90,593	38								▽	▽	▽														
		3	Often	132	26	14,151	33	13,711	34	84,304	34																								
		4	Very often	60	12	7,279	17	6,602	16	42,130	17																								
		Total		480	100	42,028	100	39,978	100	242,235	100																								
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	34	7	2,091	5	1,887	5	10,866	5	<b>2.7</b>	2.8 **	-.12	2.8 **	-.13	2.8 **	-.15																	
		2	Sometimes	181	38	13,349	32	12,587	32	76,102	32								▽	▽	▽														
		3	Often	172	38	18,124	43	17,980	45	108,025	44																								
		4	Very often	83	18	7,887	19	7,049	18	44,622	19																								
		Total		470	100	41,451	100	39,503	100	239,615	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	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. Tried to better understand someone else's views by imagining how an issue looks from their perspective	Rlperspect	1	Never	19	4	1,197	3	1,006	3	6,277	3	<b>2.8</b>	2.9 *	-12	2.9 *	-13	2.9 **	-13																	
		2	Sometimes	160	34	10,765	27	10,265	26	61,305	26																								
		3	Often	172	37	18,556	45	18,275	46	110,630	46																								
		4	Very often	114	24	10,175	25	9,411	24	58,014	24																								
		Total		465	100	40,693	100	38,957	100	236,226	100																								
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	28	7	1,238	3	1,063	3	6,245	3	<b>2.7</b>	2.8 *	-13	2.8 **	-14	2.9 **	-16																	
		2	Sometimes	149	34	12,403	32	11,382	31	68,715	30																								
		3	Often	184	40	17,583	43	17,517	45	106,352	45																								
		4	Very often	91	20	8,695	22	8,412	21	51,562	22																								
		Total		452	100	39,919	100	38,374	100	232,874	100																								
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	9	2	591	2	473	2	2,991	2	<b>2.9</b>	3.0 *	-11	3.0 **	-13	3.0 **	-14																	
		2	Sometimes	110	25	8,687	23	7,757	22	47,460	21																								
		3	Often	225	50	19,452	49	19,187	50	115,392	50																								
		4	Very often	103	23	10,601	27	10,489	27	64,263	28																								
		Total		447	100	39,331	100	37,906	100	230,106	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	18	6,719	18	7,588	20	41,974	19	<b>2.3</b>	2.4	-0.2	2.3	.05	2.3	.02																	
		2	Sometimes	178	41	16,467	42	16,309	43	98,544	43																								
		3	Often	133	30	10,189	25	9,154	24	57,769	25																								
		4	Very often	56	11	5,954	15	4,839	13	31,724	14																								
		Total		443	100	39,329	100	37,890	100	230,011	100																								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	209	47	18,694	48	18,413	48	107,448	48	<b>1.8</b>	1.8	-0.2	1.8	.01	1.8	.00																	
		2	Sometimes	141	33	11,927	31	11,809	31	72,652	31																								
		3	Often	57	12	5,546	14	5,097	14	33,145	14																								
		4	Very often	33	7	2,914	8	2,365	7	15,591	7																								
		Total		440	100	39,081	100	37,684	100	228,836	100																								
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	134	31	12,657	33	12,103	33	70,103	32	<b>2.0</b>	2.0	.03	2.0	.05	2.0	.03																	
		2	Sometimes	190	44	15,631	40	16,056	42	96,217	42																								
		3	Often	70	16	7,173	18	6,573	18	43,072	19																								
		4	Very often	42	9	3,136	8	2,617	7	17,327	8																								
		Total		436	100	38,597	100	37,349	100	226,719	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Discussed your academic performance with a faculty member	SFperform	1	Never	112	26	9,013	24	9,946	26	54,665	25	<b>2.1</b>	2.2	-0.05	2.1	.01	2.1	-0.02
		2	Sometimes	183	43	17,267	45	16,980	46	102,592	45							
		3	Often	106	24	8,595	22	7,423	20	49,398	22							
		4	Very often	33	7	3,703	10	2,942	8	19,919	9							
		Total		434	100	38,578	100	37,291	100	226,574	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	10	2	1,080	3	1,234	3	8,022	4	<b>3.0</b>	3.0	.05	2.9 *	.09	2.9 **	.13
		2	Some	90	21	8,961	24	9,105	25	57,886	26							
		3	Quite a bit	210	49	17,530	46	16,922	46	102,832	46							
		4	Very much	124	27	10,704	27	9,778	26	56,331	25							
		Total		434	100	38,275	100	37,039	100	225,071	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	17	4	1,380	4	1,237	4	7,537	4	<b>2.9</b>	2.9	-0.07	2.9	-0.05	2.9	-0.06
		2	Some	131	31	9,740	26	9,118	26	56,974	26							
		3	Quite a bit	174	40	17,185	45	17,473	47	105,079	46							
		4	Very much	108	25	9,756	26	8,996	24	54,189	24							
		Total		430	100	38,061	100	36,824	100	223,779	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	25	6	1,464	4	1,268	4	7,752	4	<b>2.8</b>	2.9	-0.09	2.9	-0.09	2.9 *	-0.11
		2	Some	127	29	10,116	27	9,814	27	58,508	27							
		3	Quite a bit	179	43	16,521	44	16,438	45	99,966	45							
		4	Very much	96	22	9,483	25	8,948	24	55,290	25							
		Total		427	100	37,584	100	36,468	100	221,516	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	16	4	1,546	4	1,518	4	8,022	4	<b>2.8</b>	2.9 *	-0.11	2.9	-0.09	2.9 **	-0.13
		2	Some	143	34	9,935	27	9,994	28	57,647	27							
		3	Quite a bit	173	40	16,544	44	16,373	45	101,062	45							
		4	Very much	91	21	9,306	24	8,348	23	53,560	24							
		Total		423	100	37,331	100	36,233	100	220,291	100							
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	25	6	1,517	4	1,417	4	7,732	4	<b>2.8</b>	2.9 *	-0.13	2.9 *	-0.12	2.9 **	-0.15
		2	Some	138	33	9,989	28	9,917	28	57,634	27							
		3	Quite a bit	163	39	16,768	45	16,606	46	101,948	46							
		4	Very much	94	22	8,850	23	8,135	22	52,023	23							
		Total		420	100	37,124	100	36,075	100	219,337	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<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	12	3	857	2	787	2	4,387	2	<b>3.0</b>	3.0	-0.01	3.0	.02	3.1	-0.03	
		2	Some	85	22	7,903	22	7,768	22	44,578	21								
		3	Quite a bit	185	45	16,626	45	16,846	46	101,112	46								
		4	Very much	132	31	11,431	31	10,431	29	67,680	31								
		Total		414	100	36,817	100	35,832	100	217,757	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	23	6	1,634	5	1,377	4	8,552	4	<b>2.9</b>	3.0 *	-0.10	3.0	-0.08	3.0 *	-0.12	
		2	Some	105	26	8,280	22	8,028	23	46,921	22								
		3	Quite a bit	175	42	16,209	44	16,701	46	99,635	45								
		4	Very much	110	26	10,544	29	9,619	27	61,982	29								
		Total		413	100	36,667	100	35,725	100	217,090	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	16	4	1,304	4	1,117	4	7,103	4	<b>3.0</b>	3.0	.01	3.0	.02	3.0	.00	
		2	Some	88	22	8,283	23	7,968	23	47,400	22								
		3	Quite a bit	175	42	15,521	42	15,794	44	94,331	43								
		4	Very much	134	32	11,517	31	10,774	30	67,860	31								
		Total		413	100	36,625	100	35,653	100	216,694	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	41	10	2,941	8	3,097	9	15,593	8	<b>2.7</b>	2.8	-0.05	2.7	-0.02	2.8	-0.09	
		2	Some	136	34	11,020	30	11,342	31	63,037	29								
		3	Quite a bit	120	29	13,338	36	13,280	37	81,564	37								
		4	Very much	115	27	9,275	25	7,870	23	56,096	26								
		Total		412	100	36,574	100	35,589	100	216,290	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	47	11	3,622	10	3,610	10	18,079	9	<b>2.6</b>	2.7	-0.05	2.6	.00	2.7 *	-0.10	
		2	Some	138	35	11,900	33	12,391	34	68,720	32								
		3	Quite a bit	140	34	13,076	36	13,041	37	81,983	38								
		4	Very much	88	21	7,826	21	6,424	19	46,869	22								
		Total		413	100	36,424	100	35,466	100	215,651	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class		NSSE 2019 & 2020		
				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	43	10	3,595	10	3,719	10	23,370	10	<b>2.6</b>	2.6	-.04	2.6	.00	2.6	.01
		2	Sometimes	155	38	13,116	36	12,983	37	79,758	37							
		3	Often	132	34	13,340	37	13,126	38	78,122	37							
		4	Very often	75	18	5,858	17	5,251	15	31,736	16							
		Total		405	100	35,909	100	35,079	100	212,986	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	82	19	7,051	20	6,998	20	41,732	19	<b>2.3</b>	2.3	-.01	2.3	.02	2.3	.01
		2	Sometimes	158	40	13,971	39	14,173	40	85,322	40							
		3	Often	111	29	10,188	28	9,954	29	60,863	29							
		4	Very often	52	12	4,476	13	3,755	11	23,847	12							
		Total		403	100	35,686	100	34,880	100	211,764	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	76	18	6,414	18	6,123	17	38,492	18	<b>2.3</b>	2.4	-.02	2.3	.01	2.3	.01
		2	Sometimes	164	42	14,553	41	14,722	42	88,826	42							
		3	Often	119	30	10,528	30	10,520	31	62,489	30							
		4	Very often	44	11	4,038	11	3,361	10	21,186	10							
		Total		403	100	35,533	100	34,726	100	210,993	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>(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	75	18	2,873	8	2,118	7	12,498	6	<b>4.8</b>	5.9 ***	-.21	6.4 ***	-.29	6.5 ***	-.30
		1.5	1-2	93	22	8,008	22	6,869	20	41,207	20							
		4	3-5	113	30	11,678	33	11,108	32	68,206	33							
		8	6-10	75	18	7,445	21	7,859	22	48,281	23							
		13	11-15	32	8	3,069	9	3,504	10	21,485	10							
		18	16-20	6	2	1,136	3	1,499	4	8,939	4							
		23	More than 20	8	2	1,252	4	1,717	5	9,956	5							
		Total		402	100	35,461	100	34,674	100	210,572	100							
b. Between 6 and 10 pages	wrmednum <i>(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	261	64	15,375	43	12,225	37	74,394	37	<b>1.4</b>	2.0 ***	-.20	2.2 ***	-.25	2.3 ***	-.27
		1.5	1-2	80	20	11,667	33	13,039	36	77,251	36							
		4	3-5	32	8	5,173	15	6,118	17	37,167	17							
		8	6-10	17	4	2,144	6	2,150	6	14,467	7							
		13	11-15	8	2	669	2	708	2	4,307	2							
		18	16-20	1	0	143	0	148	0	1,066	1							
		23	More than 20	1	0	180	1	191	1	1,282	1							
Total		400	100	35,351	100	34,579	100	209,934	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	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	343	85	28,005	78	26,464	77	159,490	76	<b>.6</b>	.9 *	-10	.9 *	-10	1.0 **	-12	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	35	10	4,511	13	5,548	15	33,224	15								
	4	3-5	9	2	1,262	4	1,247	4	7,880	4									
	8	6-10	6	1	760	2	611	2	4,401	2									
	13	11-15	5	2	572	2	467	2	3,215	2									
	18	16-20	1	0	121	0	104	0	724	0									
	23	More than 20	1	0	164	1	167	1	1,149	1									
Total				400	100	35,395	100	34,608	100	210,083	100								
Estimated number of assigned pages of student writing.	wrpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									<b>33.8</b>	47.7 ***	-19	50.5 ***	-23	52.5 ***	-25	
<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	22	5	1,526	5	1,645	5	9,689	5	<b>3.0</b>	3.1 **	-15	3.0	-.06	3.0	-10	
		2	Sometimes	114	29	7,880	23	9,248	26	51,245	24								
		3	Often	126	31	11,296	32	10,909	32	67,683	32								
		4	Very often	138	35	14,619	41	12,739	37	81,128	39								
		Total		400	100	35,321	100	34,541	100	209,745	100								
b. People from an economic background other than your own	DDeconomic	1	Never	18	4	1,405	4	1,417	4	9,166	5	<b>3.0</b>	3.1	-.04	3.0	.03	3.0	.01	
		2	Sometimes	90	23	7,785	22	8,442	24	48,942	24								
		3	Often	155	38	12,574	36	12,796	37	76,420	36								
		4	Very often	137	35	13,473	38	11,834	34	74,705	35								
		Total		400	100	35,237	100	34,489	100	209,233	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	18	4	2,078	6	2,861	7	14,167	7	<b>3.0</b>	3.0	.02	2.9 *	.09	2.9	.07	
		2	Sometimes	100	26	8,908	26	9,741	27	56,289	27								
		3	Often	146	36	11,230	32	10,868	32	67,750	32								
		4	Very often	136	34	12,995	36	11,001	33	71,076	34								
		Total		400	100	35,211	100	34,471	100	209,282	100								
d. People with political views other than your own	DDpolitical	1	Never	18	5	2,098	6	2,175	7	14,595	7	<b>3.0</b>	3.0	.06	2.9 **	.14	2.9 **	.14	
		2	Sometimes	98	25	9,171	26	10,168	29	60,723	29								
		3	Often	137	34	11,398	32	11,365	33	67,982	32								
		4	Very often	147	37	12,575	36	10,766	32	66,063	32								
		Total		400	100	35,242	100	34,474	100	209,363	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	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	9	2	787	2	671	2	3,880	2	<b>2.9</b>	3.0	-.09	3.0	-.08	3.0 *	▽	-12																
		2	Sometimes	114	29	8,139	24	8,171	24	46,702	23																								
		3	Often	175	43	16,346	47	16,425	48	99,542	47																								
		4	Very often	101	25	9,667	27	8,986	25	57,872	27																								
		Total		399	100	34,939	100	34,253	100	207,996	100																								
b. Reviewed your notes after class	LSnotes	1	Never	19	5	1,299	4	1,590	5	9,059	5	<b>3.0</b>	3.0	.05	2.9 **	.13	2.9 *	△	.10																
		2	Sometimes	89	24	9,310	28	10,343	31	59,819	29																								
		3	Often	147	37	12,681	36	12,267	36	75,466	36																								
		4	Very often	143	34	11,618	32	10,010	29	63,432	30																								
		Total		398	100	34,908	100	34,210	100	207,776	100																								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	24	6	1,832	5	2,128	6	11,543	6	<b>2.9</b>	2.9	-.01	2.8	.07	2.8	.03																	
		2	Sometimes	107	28	9,909	30	10,846	32	63,189	31																								
		3	Often	159	39	13,548	39	13,190	39	80,623	39																								
		4	Very often	108	26	9,618	26	8,033	23	52,439	25																								
		Total		398	100	34,907	100	34,197	100	207,794	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	2	306	1	265	1	1,599	1	<b>5.5</b>	5.4	.05	5.4	.07	5.4	.04																	
		2		3	1	390	1	347	1	2,118	1																								
		3		17	4	1,637	5	1,440	5	8,866	5																								
		4		40	11	4,217	12	3,949	12	24,179	12																								
		5		126	33	11,442	33	11,690	35	69,839	33																								
		6		100	25	8,497	24	8,981	25	53,188	25																								
		7	Very much	104	25	8,184	23	7,338	21	46,763	23																								
		Total		396	100	34,673	100	34,010	100	206,552	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		53	14	4,236	13	3,946	12	26,582	14	<b>4%</b>	7% *	-13	7%	-11	7% *	-12																	
		(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	22	6	1,717	5	1,518	5	10,783	6																								
		Plan to do	303	76	26,099	74	26,077	75	153,857	73																									
		Done or in progress	16	4	2,523	7	2,388	7	14,797	7																									
		Total	394	100	34,575	100	33,929	100	206,019	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
b. Hold a formal leadership role in a student organization or group	leader	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	115	29	8,934	26	9,256	27	57,229	28	<b>14%</b>	11%	.09	11%	.08	10% *	.10																	
			Do not plan to do	93	24	7,862	23	7,705	24	47,566	24																								
			Plan to do	131	34	14,103	40	13,244	38	79,377	38																								
			Done or in progress	55	14	3,577	11	3,622	11	21,303	10																								
			Total	394	100	34,476	100	33,827	100	205,475	100																								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	152	39	10,522	30	10,583	31	68,337	33	<b>7%</b>	14% ***	-0.22	15% ***	-0.27	13% ***	-0.19																	
			Do not plan to do	104	27	9,616	29	9,205	27	54,584	27																								
			Plan to do	105	27	9,636	28	8,785	26	56,188	27																								
			Done or in progress	28	7	4,611	14	5,160	15	25,670	13																								
			Total	389	100	34,385	100	33,733	100	204,779	100																								
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	139	35	9,661	28	9,263	28	57,072	28	<b>2%</b>	3%	-0.06	3%	-0.03	3%	-0.04																	
			Do not plan to do	131	34	9,366	28	8,897	28	55,651	29																								
			Plan to do	112	28	14,300	41	14,669	41	86,444	40																								
			Done or in progress	8	2	1,034	3	899	3	5,632	3																								
			Total	390	100	34,361	100	33,728	100	204,799	100																								
e. Work with a faculty member on a research project	research	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	156	40	12,328	36	12,471	37	77,836	38	<b>4%</b>	5%	-0.07	4%	-0.04	5%	-0.05																	
			Do not plan to do	101	25	8,354	24	7,775	24	47,965	24																								
			Plan to do	119	31	11,927	35	11,960	35	69,640	33																								
			Done or in progress	14	4	1,754	5	1,526	4	9,307	5																								
			Total	390	100	34,363	100	33,732	100	204,748	100																								
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	139	35	11,521	33	11,046	33	67,436	34	<b>1%</b>	2%	-0.11	2%	-0.07	2%	-0.08																	
			Do not plan to do	49	13	4,145	12	3,609	11	21,883	12																								
			Plan to do	197	51	17,856	52	18,463	53	111,480	53																								
			Done or in progress	4	1	813	2	581	2	3,780	2																								
			Total	389	100	34,335	100	33,699	100	204,579	100																								
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																																			
	servcourse		1 None	164	45	16,987	49	16,953	51	95,991	48	<b>1.7</b>	1.6	.08	1.6 *	.11	1.6	.04																	
			2 Some	179	45	14,356	42	13,938	41	88,639	43																								
			3 Most	34	8	2,258	7	2,191	7	15,590	8																								
			4 All	6	2	556	2	465	1	3,441	2																								
			Total	383	100	34,157	100	33,547	100	203,661	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 2020 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

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

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

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2019 & 2020								Your first-year students compared with							
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020				
				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	3	1	554	2	471	2	2,878	2	<b>5.6</b>	5.4	.08	5.4 *	.10	5.4	.08	
		2		8	2	609	2	622	2	3,754	2								
		3		10	2	1,565	5	1,598	5	9,209	5								
		4		41	11	4,060	12	3,892	12	23,580	12								
		5		107	28	9,074	27	9,256	28	54,287	27								
		6		108	28	9,001	26	9,312	27	55,048	26								
		7	Excellent	103	27	8,930	26	8,141	24	51,742	25								
		—	Not applicable	1	0	307	1	227	1	2,942	2								
			Total	381	100	34,100	100	33,519	100	203,440	100								
b. Academic advisors	QIadvisor	1	Poor	4	1	861	3	907	3	5,156	3	<b>5.7</b>	5.4 ***	.17	5.3 ***	.21	5.4 ***	.18	
		2		8	2	1,211	4	1,291	4	7,186	4								
		3		20	5	2,189	6	2,258	7	13,172	6								
		4		41	11	4,169	12	4,356	13	25,295	12								
		5		74	20	6,736	20	6,902	20	41,208	20								
		6		88	24	7,221	21	7,273	22	44,344	22								
		7	Excellent	144	37	11,163	32	9,564	30	62,626	31								
		—	Not applicable	2	1	521	2	926	2	4,193	2								
			Total	381	100	34,071	100	33,477	100	203,180	100								
c. Faculty	QIfaculty	1	Poor	4	1	550	2	455	2	2,754	2	<b>5.4</b>	5.4	.05	5.3	.07	5.4	.01	
		2		10	3	754	2	757	2	4,328	2								
		3		16	4	1,778	5	1,802	6	9,964	5								
		4		38	10	4,604	13	4,488	13	25,225	13								
		5		115	31	8,945	26	9,174	27	52,283	26								
		6		100	26	9,296	27	9,552	28	57,784	28								
		7	Excellent	93	24	7,777	23	6,938	21	48,583	24								
		—	Not applicable	3	1	358	1	300	1	2,182	1								
			Total	379	100	34,062	100	33,466	100	203,103	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	7	2	1,053	3	1,015	3	5,926	3	<b>5.3</b>	5.2	.07	5.1 *	.11	5.2	.08																	
		2		10	3	1,164	3	1,169	4	6,623	3																								
		3		21	6	2,083	6	2,225	7	12,609	6																								
		4		48	12	4,472	13	4,646	14	26,331	13																								
		5		87	22	7,276	21	7,488	22	44,254	21																								
		6		81	22	7,230	21	7,335	21	44,137	21																								
		7	Excellent	88	23	7,789	23	6,758	21	44,573	22																								
		—	Not applicable	39	10	2,972	10	2,822	9	18,622	10																								
	Total	381	100	34,039	100	33,458	100	203,075	100																										
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	13	3	1,244	4	1,075	3	6,128	3	<b>5.3</b>	5.1 **	.15	5.1 ***	.18	5.2 *	.11																	
		2		9	3	1,403	4	1,403	4	7,515	4																								
		3		20	5	2,335	7	2,368	7	13,636	7																								
		4		43	12	4,746	14	4,884	14	28,037	14																								
		5		99	25	7,516	22	7,560	22	44,904	22																								
		6		81	22	6,908	20	7,052	21	43,824	21																								
		7	Excellent	99	27	7,326	21	6,356	20	44,460	22																								
		—	Not applicable	14	4	2,580	8	2,768	8	14,635	8																								
	Total	378	100	34,058	100	33,466	100	203,139	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	7	2	550	2	496	2	3,041	2	<b>3.1</b>	3.1	.02	3.1	.02	3.1	.02																	
		2	Some	68	19	6,309	19	5,976	19	37,289	19																								
		3	Quite a bit	181	48	16,148	48	15,941	48	97,348	48																								
		4	Very much	124	32	10,872	31	10,901	31	64,606	31																								
			Total	380	100	33,879	100	33,314	100	202,284	100																								
b. Providing support to help students succeed academically	SEacademic	1	Very little	20	5	1,148	4	1,114	4	6,532	4	<b>3.0</b>	3.0 *	-0.11	3.0	-0.06	3.0 *	-0.10																	
		2	Some	87	24	6,847	21	7,051	22	41,173	21																								
		3	Quite a bit	154	41	14,302	42	14,697	44	86,417	42																								
		4	Very much	116	30	11,494	33	10,368	30	67,610	33																								
			Total	377	100	33,791	100	33,230	100	201,732	100																								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	21	5	1,653	5	1,614	5	10,195	5	<b>3.0</b>	3.1 *	-0.10	3.1	-0.07	3.1	-0.08																	
		2	Some	82	22	5,594	18	5,919	18	35,116	18																								
		3	Quite a bit	137	37	12,646	37	12,905	39	76,340	38																								
		4	Very much	138	36	13,891	40	12,772	38	79,972	39																								
			Total	378	100	33,784	100	33,210	100	201,623	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 2020 Frequencies and Statistical Comparisons

## Tennessee Technological University

### First-Year Students

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

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

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2019 & 2020								Statistical Comparisons <sup>b</sup>						
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	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	52	14	3,307	10	4,034	12	20,679	11	<b>2.6</b>	2.8 **	-0.14	2.7	-0.06	2.8 *	-0.13
		2	Some	106	29	9,329	28	10,017	30	56,648	28							
		3	Quite a bit	126	34	11,944	35	11,491	35	71,364	35							
		4	Very much	92	22	9,175	27	7,631	23	52,668	26							
		Total		376	100	33,755	100	33,173	100	201,359	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	17	4	1,590	5	1,711	6	10,925	6	<b>2.9</b>	3.0	-0.10	2.9	-0.01	3.0	-0.02
		2	Some	94	26	6,888	21	7,661	24	45,441	23							
		3	Quite a bit	148	41	13,427	40	13,746	41	81,288	40							
		4	Very much	115	29	11,756	34	9,985	29	63,333	31							
		Total		374	100	33,661	100	33,103	100	200,987	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	28	8	1,926	6	2,159	7	13,249	7	<b>2.9</b>	3.0 *	-0.12	2.9	-0.04	2.9	-0.05
		2	Some	93	26	7,187	22	7,903	24	47,230	24							
		3	Quite a bit	141	38	13,118	39	13,359	40	79,088	39							
		4	Very much	111	29	11,391	33	9,657	29	61,145	30							
		Total		373	100	33,622	100	33,078	100	200,712	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	90	24	6,907	21	7,614	23	42,470	22	<b>2.2</b>	2.4 *	-0.12	2.3	-0.04	2.3	-0.10
		2	Some	139	38	11,877	36	12,541	38	73,551	36							
		3	Quite a bit	100	27	9,461	28	8,680	26	55,694	27							
		4	Very much	45	11	5,345	15	4,222	13	28,885	14							
		Total		374	100	33,590	100	33,057	100	200,600	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	34	9	2,187	7	2,561	8	18,561	10	<b>2.7</b>	2.9 ***	-0.22	2.8	-0.09	2.8	-0.07
		2	Some	113	32	7,686	24	8,796	27	51,470	26							
		3	Quite a bit	133	36	13,101	39	13,017	39	76,618	38							
		4	Very much	94	23	10,600	31	8,650	25	53,718	26							
		Total		374	100	33,574	100	33,024	100	200,367	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	79	21	4,958	15	5,350	17	32,411	17	<b>2.3</b>	2.5 ***	-0.24	2.4 **	-0.16	2.5 ***	-0.18
		2	Some	142	40	11,709	36	12,344	37	70,475	35							
		3	Quite a bit	104	27	10,653	31	10,259	31	63,593	31							
		4	Very much	48	12	6,254	18	5,068	15	33,874	16							
		Total		373	100	33,574	100	33,021	100	200,353	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				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. To what extent do you agree or disagree with the following statements?</b>																		
a. I feel comfortable being myself at this institution.	SBmyself  <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	4	1	448	2	349	2	2,361	2	<b>3.2</b>	3.3	-.07	3.2	.00	3.3	-.02
		2	Disagree	25	7	1,567	7	1,372	8	9,486	8							
		3	Agree	213	57	11,897	50	9,012	53	63,305	52							
		4	Strongly agree	131	35	9,651	41	6,444	37	46,109	38							
		Total		373	100	23,563	100	17,177	100	121,261	100							
b. I feel valued by this institution.	SBvalued  <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	13	4	859	4	653	4	3,985	4	<b>2.9</b>	3.0	-.08	2.9	.01	3.0	-.09
		2	Disagree	68	19	3,711	16	3,066	19	19,386	16							
		3	Agree	204	55	12,947	54	9,595	56	67,938	56							
		4	Strongly agree	84	22	6,020	25	3,839	21	29,820	24							
		Total		369	100	23,537	100	17,153	100	121,129	100							
c. I feel like part of the community at this institution.	SBcommunity  <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	8	2	854	4	643	4	4,372	4	<b>3.0</b>	3.0	-.03	3.0	.06	3.0	.00
		2	Disagree	60	17	3,653	16	3,020	18	20,092	17							
		3	Agree	212	58	12,270	51	9,233	54	64,325	53							
		4	Strongly agree	91	23	6,788	28	4,268	24	32,477	26							
		Total		371	100	23,565	100	17,164	100	121,266	100							
<b>16. 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	1	0	151	1	114	0	758	0	<b>14.6</b>	14.0	.07	14.6	-.01	14.4	.02
		3	1-5 hrs	33	9	4,557	14	3,531	12	24,293	13							
		8	6-10 hrs	93	25	7,922	24	7,015	22	45,017	23							
		13	11-15 hrs	91	25	7,689	23	7,646	23	45,478	23							
		18	16-20 hrs	69	18	6,286	19	6,765	20	39,486	19							
		23	21-25 hrs	52	14	3,581	11	3,988	11	23,036	11							
		28	26-30 hrs	17	4	1,578	5	1,959	5	10,884	5							
		33	More than 30 hrs	16	4	1,628	5	1,840	5	10,590	5							
Total		372	100	33,392	100	32,858	100	199,542	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	123	33	10,852	33	10,357	33	63,772	34	<b>5.6</b>	5.7	-.01	5.4	.03	5.6	.00
		3	1-5 hrs	115	31	10,540	31	11,513	33	65,046	31							
		8	6-10 hrs	62	18	5,473	17	5,297	16	31,700	16							
		13	11-15 hrs	34	9	3,202	10	2,835	9	18,126	9							
		18	16-20 hrs	16	4	1,661	5	1,517	5	10,603	5							
		23	21-25 hrs	8	2	817	2	663	2	5,207	3							
		28	26-30 hrs	9	2	284	1	275	1	1,885	1							
33	More than 30 hrs	3	1	473	2	360	1	2,664	1									
Total		370	100	33,302	100	32,817	100	199,003	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
				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>						
c. Working for pay on campus	tmworkonhrs	0	0 hrs	286	77	27,881	83	25,463	80	155,190	80	<b>2.3</b>	2.2	.02	2.5	-.04	2.4	-.03									
	(Recorded version of tmworkon created by NSSE.)	3	1-5 hrs	19	5	852	3	1,129	3	8,892	4																
		8	6-10 hrs	37	10	1,376	4	2,222	6	14,379	6																
		13	11-15 hrs	15	4	1,431	4	1,894	5	10,025	5																
	Values are estimated number of hours per week.)	18	16-20 hrs	5	1	1,029	3	1,454	4	6,569	3																
		23	21-25 hrs	5	1	421	1	393	1	2,284	1																
		28	26-30 hrs	0	0	137	0	115	0	648	0																
		33	More than 30 hrs	3	1	187	1	123	0	1,094	1																
		Total			370	100	33,314	100	32,793	100	199,081								100								
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	212	58	22,532	68	23,133	69	134,364	66	<b>6.8</b>	5.4 **	.15	5.0 ***	.20	5.9	.09									
	(Recorded version of tmworkoff created by NSSE.)	3	1-5 hrs	26	6	1,414	4	1,544	4	9,410	5																
		8	6-10 hrs	21	6	1,733	5	1,743	5	10,742	5																
		13	11-15 hrs	30	8	1,892	6	1,765	5	11,155	6																
	Values are estimated number of hours per week.)	18	16-20 hrs	32	8	2,072	6	1,839	6	11,573	6																
		23	21-25 hrs	24	7	1,560	5	1,296	4	8,195	4																
		28	26-30 hrs	15	4	902	3	646	2	4,510	2																
		33	More than 30 hrs	11	3	1,250	4	860	3	9,348	6																
		Total			371	100	33,355	100	32,826	100	199,297								100								
Estimated number of hours working for pay	tmworkhrs										<b>9.1</b>	7.5 **	.14	7.5 **	.14	8.3	.06										
	(Continuous variable created by NSSE)										△		△														
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	204	57	18,634	56	19,150	59	116,813	59	<b>2.7</b>	2.7	.00	2.4	.06	2.5	.03									
	(Recorded version of tmservice created by NSSE.)	3	1-5 hrs	112	28	10,124	30	10,053	29	58,791	29																
		8	6-10 hrs	25	7	2,325	7	1,897	6	11,798	6																
		13	11-15 hrs	15	4	1,128	3	832	3	5,662	3																
	Values are estimated number of hours per week.)	18	16-20 hrs	6	2	563	2	427	1	3,064	2																
		23	21-25 hrs	4	1	297	1	229	1	1,558	1																
		28	26-30 hrs	1	0	89	0	85	0	520	0																
		33	More than 30 hrs	2	0	168	1	146	1	993	1																
		Total			369	100	33,328	100	32,819	100	199,199								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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	<i>(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	4	1	603	2	442	2	3,740	2	<b>13.0</b>	13.0	.01	13.0	.01	12.6	.05
		3	1-5 hrs	78	21	6,218	18	6,074	18	40,305	20							
		8	6-10 hrs	98	26	8,799	26	9,032	27	53,543	26							
		13	11-15 hrs	74	19	7,230	21	7,168	21	42,340	21							
		18	16-20 hrs	45	12	4,858	15	4,737	15	28,265	14							
		23	21-25 hrs	37	10	2,268	7	2,268	7	12,954	7							
		28	26-30 hrs	12	4	904	3	951	3	5,520	3							
		33	More than 30 hrs	23	7	2,457	8	2,138	7	12,503	7							
	Total			371	100	33,337	100	32,810	100	199,170	100							
g. Providing care for dependents (children, parents, etc.)	<i>(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	285	77	26,355	79	26,604	80	152,616	75	<b>2.2</b>	2.4	-.04	2.1	.02	3.1 **	-0.12
		3	1-5 hrs	46	12	2,951	9	2,907	9	19,489	10							
		8	6-10 hrs	13	4	1,333	4	1,216	4	8,411	5							
		13	11-15 hrs	8	2	1,010	3	808	3	5,864	3							
		18	16-20 hrs	6	1	523	2	477	2	3,551	2							
		23	21-25 hrs	8	2	334	1	260	1	2,012	1							
		28	26-30 hrs	1	0	116	0	85	0	848	1							
		33	More than 30 hrs	4	1	667	2	407	2	6,054	4							
	Total			371	100	33,289	100	32,764	100	198,845	100							
h. Commuting to campus (driving, walking, etc.)	<i>(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	115	31	12,500	36	13,375	40	89,796	43	<b>4.6</b>	4.6	-.01	4.1	.07	4.1	.07
		3	1-5 hrs	156	42	12,294	37	12,392	37	66,224	34							
		8	6-10 hrs	57	16	4,459	14	3,859	12	22,566	12							
		13	11-15 hrs	21	5	1,902	6	1,513	5	9,640	5							
		18	16-20 hrs	8	2	892	3	703	2	4,566	2							
		23	21-25 hrs	7	2	486	2	364	1	2,372	1							
		28	26-30 hrs	2	1	177	1	165	1	988	1							
		33	More than 30 hrs	6	1	644	2	458	2	3,069	2							
	Total			372	100	33,354	100	32,829	100	199,221	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	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>17. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																																			
	reading	1	Very little	52	14	5,439	17	4,312	14	22,740	12	<b>2.5</b>	2.5	-0.06	2.6 **	-0.15	2.7 ***	-0.23																	
		2	Some	168	47	12,646	38	11,853	37	67,766	35																								
		3	About half	85	23	8,876	27	9,054	28	57,760	29																								
		4	Most	47	12	4,628	14	5,561	16	37,261	18																								
		5	Almost all	21	5	1,669	5	1,958	6	13,327	6																								
		Total		373	100	33,258	100	32,738	100	198,854	100																								
				tmreadinghrs																															
				<i>(Continuous variable created by NSSE. Calculated as a proportion of tmprehrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)</i>																															
				tmreadinghrscol																															
		1	0 hrs	1	0	148	1	110	0	735	0																								
		2	More than zero, up to 5 hrs	216	59	19,298	59	16,797	54	99,813	52																								
		3	More than 5, up to 10 hrs	96	26	8,774	26	9,559	28	58,382	29																								
		4	More than 10, up to 15 hrs	34	9	2,602	8	3,259	9	20,342	10																								
		5	More than 15, up to 20 hrs	12	3	1,257	4	1,557	4	10,139	5																								
		6	More than 20, up to 25 hrs	8	2	756	2	989	3	6,208	3																								
		7	More than 25 hrs	4	1	284	1	340	1	2,431	1																								
		Total		371	100	33,119	100	32,611	100	198,050	100																								
<b>18. 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	38	10	2,523	8	2,585	8	13,481	7	<b>2.6</b>	2.8 **	-0.17	2.7 *	-0.12	2.8 ***	-0.19																	
		2	Some	120	33	9,173	28	9,880	30	55,378	28																								
		3	Quite a bit	146	40	13,699	41	13,680	42	84,962	42																								
		4	Very much	67	17	7,753	23	6,463	20	44,161	22																								
		Total		371	100	33,148	100	32,608	100	197,982	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>				
b. Speaking clearly and effectively	pgspeak	1	Very little	31	9	3,668	12	3,956	12	20,443	11	<b>2.7</b>	2.7	.06	2.6 *	.12	2.7	.05									
		2	Some	105	29	9,869	30	10,892	33	61,498	31																
		3	Quite a bit	154	42	12,334	37	11,912	37	75,453	38																
		4	Very much	79	20	7,244	21	5,854	19	40,556	21																
		Total		369	100	33,115	100	32,614	100	197,950	100																
c. Thinking critically and analytically	pgthink	1	Very little	13	4	1,089	4	1,054	4	5,717	3	<b>3.0</b>	3.1	-.06	3.0	-.03	3.1	-.08									
		2	Some	72	20	6,293	20	6,436	20	37,270	19																
		3	Quite a bit	172	47	14,654	44	14,750	45	89,410	44																
		4	Very much	114	29	11,091	33	10,368	31	65,611	33																
		Total		371	100	33,127	100	32,608	100	198,008	100																
d. Analyzing numerical and statistical information	pganalyze	1	Very little	40	10	3,414	10	3,927	12	24,730	12	<b>2.8</b>	2.7	.04	2.7 *	.11	2.7 *	.10									
		2	Some	97	27	9,656	29	10,091	31	61,109	30																
		3	Quite a bit	138	37	12,345	37	11,805	36	70,704	36																
		4	Very much	96	25	7,693	24	6,787	21	41,407	22																
		Total		371	100	33,108	100	32,610	100	197,950	100																
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	38	10	4,242	13	4,446	14	25,085	13	<b>2.6</b>	2.6	.00	2.6	.05	2.6	.01									
		2	Some	127	35	10,331	31	10,623	32	63,368	32																
		3	Quite a bit	132	35	11,587	35	11,318	34	69,179	35																
		4	Very much	73	19	6,986	21	6,226	19	40,367	21																
		Total		370	100	33,146	100	32,613	100	197,999	100																
f. Working effectively with others	pgothers	1	Very little	26	7	2,144	7	2,171	7	11,916	7	<b>2.8</b>	2.9	-.02	2.8	.02	2.9	-.02									
		2	Some	90	27	8,513	26	9,046	28	52,182	27																
		3	Quite a bit	159	43	13,630	41	13,633	41	82,633	41																
		4	Very much	93	24	8,843	26	7,758	24	51,180	26																
		Total		368	100	33,130	100	32,608	100	197,911	100																
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	48	14	3,723	12	3,747	12	20,252	11	<b>2.6</b>	2.7 *	-.11	2.7	-.08	2.7 **	-.14									
		2	Some	116	33	9,218	29	9,623	30	55,938	28																
		3	Quite a bit	132	34	12,389	37	12,146	37	75,638	37																
		4	Very much	75	19	7,770	23	7,086	21	46,027	23																
		Total		371	100	33,100	100	32,602	100	197,855	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>			
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	50	15	2,914	9	3,525	11	17,035	9	<b>2.6</b>	2.8 ***	-0.23	2.7 **	-0.15	2.8 ***	-0.24	▽	▽	▽					
		2	Some	108	30	8,810	27	9,580	29	53,384	27															
		3	Quite a bit	139	37	12,328	36	11,780	36	74,804	37															
		4	Very much	72	18	9,070	27	7,721	24	52,691	27															
		Total		369	100	33,122	100	32,606	100	197,914	100															
i. Solving complex real-world problems	pgprobsolve	1	Very little	41	12	3,562	11	3,665	12	21,019	11	<b>2.6</b>	2.7	-0.08	2.6	-0.02	2.7	-0.07								
		2	Some	124	34	10,334	32	11,009	34	64,315	32															
		3	Quite a bit	135	36	11,867	35	11,722	35	71,860	36															
		4	Very much	69	18	7,359	22	6,213	19	40,780	21															
		Total		369	100	33,122	100	32,609	100	197,974	100															
j. Being an informed and active citizen	pgcitizen	1	Very little	64	18	3,811	12	4,146	13	22,376	12	<b>2.5</b>	2.7 ***	-0.21	2.6 **	-0.15	2.7 ***	-0.21	▽	▽	▽					
		2	Some	117	33	10,169	31	10,905	33	62,910	32															
		3	Quite a bit	125	32	11,707	35	11,262	34	70,530	35															
		4	Very much	64	16	7,477	22	6,342	20	42,387	21															
		Total		370	100	33,164	100	32,655	100	198,203	100															
<b>19. How would you evaluate your entire educational experience at this institution?</b>				<b>3.2</b>																						
evalexp	1	Poor	10																	3	589	2	600	2	3,572	2
	2	Fair	45																	13	4,216	13	4,320	14	25,569	13
	3	Good	174																	48	16,352	49	16,622	51	98,454	49
	4	Excellent	138																	36	12,192	36	11,242	33	71,425	35
	Total		367	100	33,349	100	32,784	100	199,020	100																
<b>20. If you could start over again, would you go to the same institution you are now attending?</b>				<b>3.3</b>																						
sameinst	1	Definitely no	6																	2	1,175	4	1,107	4	6,920	4
	2	Probably no	35																	10	3,919	12	4,166	13	25,052	13
	3	Probably yes	152																	43	13,443	41	14,189	44	84,503	42
	4	Definitely yes	175																	46	14,978	44	13,451	39	83,364	41
	Total		368	100	33,515	100	32,913	100	199,839	100																
<b>21. Do you intend to return to this institution next year?<sup>f</sup></b>				<b>93%</b>																						
returnexp	No	7	2																	1,369	5	1,268	4	8,032	4	
	Yes	347	93																	30,044	88	29,384	88	177,008	88	
	Not sure	19	5																	2,187	7	2,362	8	15,157	8	
	Total		373																	100	33,600	100	33,014	100	200,197	100
<i>(Means indicate the percentage who responded "Yes.")</i>																										

\*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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>1. During the current school year, about how often have you done the following?</b>																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	17	3	1,501	3	1,240	3	8,251	3	<b>3.0</b>	3.0	-.03	3.0	-.02	3.1	-.06
		2	Sometimes	147	28	13,601	28	12,507	28	77,891	27							
		3	Often	183	34	15,843	32	13,639	32	93,669	31							
		4	Very often	199	35	19,085	37	15,578	37	116,460	39							
		Total		546	100	50,030	100	42,964	100	296,271	100							
b. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	40	7	3,529	7	3,015	7	18,677	6	<b>3.1</b>	3.0 **	.13	3.0 ***	.14	3.0 *	.09
		2	Often	49	9	6,712	14	6,405	15	39,678	14							
		3	Sometimes	273	51	25,917	52	23,020	53	154,915	52							
		4	Never	178	33	13,650	27	10,354	26	81,940	28							
		Total		540	100	49,808	100	42,794	100	295,210	100							
c. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	287	53	24,718	49	19,883	49	139,316	49	<b>1.7</b>	1.7	-.08	1.7 *	-.09	1.7 *	-.10
		2	Sometimes	176	32	16,910	34	15,342	35	102,613	34							
		3	Often	48	9	4,795	10	4,589	10	32,213	10							
		4	Very often	28	5	3,308	7	2,860	6	20,578	7							
		Total		539	100	49,731	100	42,674	100	294,720	100							
d. Asked another student to help you understand course material	CLaskhelp	1	Never	48	10	6,191	13	5,147	14	44,108	16	<b>2.7</b>	2.5 ***	.19	2.5 ***	.21	2.4 ***	.29
		2	Sometimes	188	36	20,056	40	16,761	40	118,859	41							
		3	Often	161	29	14,703	30	13,027	29	85,091	28							
		4	Very often	139	25	8,694	17	7,708	17	46,416	15							
		Total		536	100	49,644	100	42,643	100	294,474	100							
e. Explained course material to one or more students	CLexplain	1	Never	13	3	2,909	6	2,326	6	23,753	8	<b>3.0</b>	2.8 ***	.18	2.8 ***	.20	2.7 ***	.28
		2	Sometimes	145	28	16,400	33	13,878	33	99,714	34							
		3	Often	220	41	18,516	38	16,286	38	107,412	36							
		4	Very often	155	28	11,765	24	10,077	23	63,216	21							
		Total		533	100	49,590	100	42,567	100	294,095	100							
f. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	59	12	7,884	16	7,019	18	56,123	20	<b>2.8</b>	2.6 ***	.27	2.5 ***	.32	2.5 ***	.38
		2	Sometimes	118	23	16,152	33	14,000	33	96,706	33							
		3	Often	176	32	14,305	29	12,240	28	82,206	27							
		4	Very often	178	33	10,979	22	9,139	21	57,782	19							
		Total		531	100	49,320	100	42,398	100	292,817	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
g. Worked with other students on course projects or assignments	CLproject	1	Never	27	6	3,346	7	2,678	7	25,946	9	<b>3.1</b>	2.9 ***	.21	2.9 ***	.24	2.8 ***	.30
		2	Sometimes	96	19	13,426	27	11,395	28	80,866	28							
		3	Often	191	35	17,507	36	15,143	35	103,235	35							
		4	Very often	213	40	14,823	30	13,013	30	81,709	28							
		Total		527	100	49,102	100	42,229	100	291,756	100							
h. Given a course presentation	present	1	Never	57	12	5,850	12	4,566	12	34,482	13	<b>2.7</b>	2.7	.03	2.7	.03	2.7	.03
		2	Sometimes	156	30	15,886	33	13,670	33	89,430	32							
		3	Often	186	35	15,337	31	13,687	32	93,822	31							
		4	Very often	130	23	11,979	24	10,234	24	73,746	24							
		Total		529	100	49,052	100	42,157	100	291,480	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	18	4	2,051	4	1,444	4	11,415	4	<b>2.9</b>	2.9	.01	2.9	-.01	2.9	.02
		2	Sometimes	144	29	13,061	27	11,015	27	78,343	28							
		3	Often	202	37	19,439	40	17,468	41	118,556	41							
		4	Very often	162	30	13,959	28	11,875	28	80,650	27							
		Total		526	100	48,510	100	41,802	100	288,964	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	52	11	3,769	9	3,119	8	19,218	8	<b>2.6</b>	2.7 ***	-.20	2.7 ***	-.20	2.8 ***	-.24
		2	Sometimes	198	40	15,323	32	13,339	32	88,641	32							
		3	Often	172	32	17,042	35	15,003	36	106,008	36							
		4	Very often	101	17	12,141	24	10,185	24	73,866	25							
		Total		523	100	48,275	100	41,646	100	287,733	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	106	22	6,493	15	5,697	15	32,374	13	<b>2.3</b>	2.6 ***	-.31	2.6 ***	-.29	2.6 ***	-.36
		2	Sometimes	212	42	16,263	35	14,543	35	96,912	34							
		3	Often	128	23	14,468	30	12,467	29	91,902	31							
		4	Very often	75	13	10,661	21	8,635	20	64,834	22							
		Total		521	100	47,885	100	41,342	100	286,022	100							
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	31	6	2,273	5	2,038	5	12,066	5	<b>2.8</b>	2.8	-.08	2.8	-.05	2.8 *	-.09
		2	Sometimes	160	31	13,698	29	12,284	30	81,810	29							
		3	Often	215	42	20,096	42	17,807	43	124,331	43							
		4	Very often	112	21	11,436	24	8,922	22	65,898	23							
		Total		518	100	47,503	100	41,051	100	284,105	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	24	5	1,376	3	1,187	3	7,265	3	<b>2.8</b>	3.0 ***	-0.20	3.0 ***	-0.16	3.0 ***	-0.19
		2	Sometimes	147	30	11,053	24	9,955	25	65,925	24							
		3	Often	214	42	20,534	44	18,194	44	127,557	45							
		4	Very often	124	23	13,924	29	11,254	28	80,536	28							
		Total		509	100	46,887	100	40,590	100	281,283	100							
f. Learned something that changed the way you understand an issue or concept	RNewview	1	Never	14	3	1,044	2	834	2	5,359	2	<b>2.8</b>	3.0 **	-0.14	3.0 **	-0.13	3.0 ***	-0.15
		2	Sometimes	153	31	11,982	26	10,273	26	70,432	26							
		3	Often	219	44	20,265	44	18,162	45	125,523	45							
		4	Very often	116	22	13,031	28	10,923	27	77,274	27							
		Total		502	100	46,322	100	40,192	100	278,588	100							
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	6	1	471	1	357	1	2,465	1	<b>3.1</b>	3.2 *	-0.11	3.2 *	-0.11	3.2 **	-0.12
		2	Sometimes	85	18	7,376	16	6,038	16	41,025	15							
		3	Often	244	50	21,019	46	18,711	47	129,807	47							
		4	Very often	163	31	17,008	37	14,725	36	103,070	37							
		Total		498	100	45,874	100	39,831	100	276,367	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	54	12	7,308	17	6,709	18	44,869	18	<b>2.6</b>	2.5 **	.14	2.4 ***	.20	2.5 ***	.18
		2	Sometimes	170	35	17,325	38	15,786	39	105,897	39							
		3	Often	154	30	11,439	24	9,697	24	69,944	24							
		4	Very often	122	23	9,761	21	7,619	19	55,595	19							
		Total		500	100	45,833	100	39,811	100	276,305	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	140	29	17,957	40	15,945	42	112,990	43	<b>2.2</b>	2.0 ***	.19	2.0 ***	.24	2.0 ***	.26
		2	Sometimes	174	35	13,836	30	12,226	30	83,379	30							
		3	Often	99	19	7,692	17	6,664	16	45,850	16							
		4	Very often	86	16	6,203	13	4,832	12	33,159	12							
		Total		499	100	45,688	100	39,667	100	275,378	100							
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	73	16	11,637	26	10,025	27	72,636	28	<b>2.4</b>	2.2 ***	.18	2.2 ***	.23	2.2 ***	.24
		2	Sometimes	212	43	17,974	40	16,537	41	109,576	40							
		3	Often	141	29	9,719	21	8,349	21	58,999	21							
		4	Very often	68	13	5,987	13	4,475	11	32,272	11							
		Total		494	100	45,317	100	39,386	100	273,483	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Discussed your academic performance with a faculty member	SFperform	1	Never	74	16	9,505	22	9,561	24	60,441	23	<b>2.4</b>	2.3 **	.13	2.2 ***	.21	2.2 ***	.18
		2	Sometimes	209	43	19,397	43	17,339	44	118,780	43							
		3	Often	145	29	10,464	23	8,348	21	62,277	22							
		4	Very often	66	12	5,966	13	4,138	11	32,033	11							
		Total		494	100	45,332	100	39,386	100	273,531	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	45	9	2,772	6	2,814	7	20,799	8	<b>2.7</b>	2.8 **	-.13	2.8	-.06	2.8	-.04
		2	Some	145	30	12,740	29	11,825	30	83,482	31							
		3	Quite a bit	196	40	18,235	40	15,529	40	107,508	39							
		4	Very much	105	21	11,296	25	8,990	23	60,278	22							
		Total		491	100	45,043	100	39,158	100	272,067	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	6	1	1,241	3	1,122	3	7,250	3	<b>3.1</b>	3.1	.05	3.1	.07	3.1	.07
		2	Some	96	21	8,655	19	7,612	20	53,112	20							
		3	Quite a bit	203	42	19,939	45	17,454	45	122,893	45							
		4	Very much	178	36	14,984	33	12,824	32	87,776	32							
		Total		483	100	44,819	100	39,012	100	271,031	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	13	3	1,533	4	1,411	4	8,323	3	<b>3.0</b>	3.0	-.06	3.0	-.03	3.0	-.05
		2	Some	117	25	9,425	21	8,503	22	57,494	21							
		3	Quite a bit	204	43	19,048	43	16,721	43	117,833	44							
		4	Very much	148	30	14,431	32	12,043	31	85,262	31							
		Total		482	100	44,437	100	38,678	100	268,912	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	38	9	2,394	6	2,360	6	12,223	5	<b>2.7</b>	2.9 ***	-.21	2.9 ***	-.17	2.9 ***	-.24
		2	Some	140	30	10,378	24	9,765	25	62,374	24							
		3	Quite a bit	185	39	18,486	41	16,055	42	115,787	43							
		4	Very much	115	22	12,954	28	10,333	27	77,412	28							
		Total		478	100	44,212	100	38,513	100	267,796	100							
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	24	5	1,849	5	1,658	5	9,612	4	<b>2.8</b>	3.0 **	-.13	2.9 *	-.10	3.0 **	-.15
		2	Some	124	26	10,274	24	9,332	24	61,478	24							
		3	Quite a bit	219	47	19,143	43	17,008	44	120,386	45							
		4	Very much	112	21	12,799	28	10,352	27	75,436	28							
		Total		479	100	44,065	100	38,350	100	266,912	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<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	16	4	998	2	843	2	5,530	2	<b>3.1</b>	3.1	-08	3.1	-05	3.1	-08	
		2	Some	83	18	7,656	18	6,949	18	45,377	17								
		3	Quite a bit	203	44	18,589	42	16,919	43	115,902	43								
		4	Very much	169	34	16,543	37	13,437	36	98,624	37								
		Total		471	100	43,786	100	38,148	100	265,433	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	28	7	1,862	4	1,420	4	10,275	4	<b>3.0</b>	3.1 *	-11	3.0	-09	3.1 *	-12	
		2	Some	86	18	8,430	19	7,441	20	49,102	19								
		3	Quite a bit	216	47	18,449	42	17,132	44	116,326	43								
		4	Very much	140	28	14,916	34	12,053	32	89,124	34								
		Total		470	100	43,657	100	38,046	100	264,827	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	14	3	1,498	4	1,201	4	8,652	4	<b>3.1</b>	3.1	-02	3.1	.00	3.1	-01	
		2	Some	75	17	8,258	19	7,181	19	49,778	19								
		3	Quite a bit	217	46	17,390	40	15,995	41	109,173	41								
		4	Very much	165	33	16,456	38	13,619	36	96,881	36								
		Total		471	100	43,602	100	37,996	100	264,484	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	35	8	4,249	10	4,213	11	24,830	10	<b>2.8</b>	2.8	.01	2.7	.08	2.8	.02	
		2	Some	127	28	11,842	28	11,523	30	73,152	28								
		3	Quite a bit	182	39	14,747	34	12,739	33	91,756	34								
		4	Very much	122	25	12,671	28	9,433	25	74,338	27								
		Total		466	100	43,509	100	37,908	100	264,076	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	31	7	3,416	8	3,187	9	19,282	8	<b>2.9</b>	2.8	.05	2.8 *	.10	2.8	.04	
		2	Some	116	25	12,059	28	11,504	30	72,902	28								
		3	Quite a bit	200	43	16,057	37	14,342	38	101,142	38								
		4	Very much	122	25	11,862	27	8,802	24	70,185	26								
		Total		469	100	43,394	100	37,835	100	263,511	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	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	31	7	4,272	9	3,983	10	28,192	10	<b>2.8</b>	2.7 *	.10	2.7 **	.14	2.7 ***	.15	△
		2	Sometimes	141	30	14,412	33	12,568	33	90,147	34								
		3	Often	186	40	15,416	36	13,467	37	93,028	36								
		4	Very often	106	23	8,808	21	7,419	20	49,522	20								
		Total		464	100	42,908	100	37,437	100	260,889	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	63	14	7,563	17	6,988	19	45,935	18	<b>2.5</b>	2.5	.05	2.4 *	.09	2.4	.07	△
		2	Sometimes	174	38	15,392	36	13,728	37	96,393	37								
		3	Often	141	30	12,581	29	10,680	29	76,805	30								
		4	Very often	82	18	7,146	17	5,869	16	40,739	16								
		Total		460	100	42,682	100	37,265	100	259,872	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	56	12	6,632	15	5,869	16	41,867	16	<b>2.5</b>	2.5	.01	2.4	.06	2.4	.05	
		2	Sometimes	188	41	16,162	38	14,443	39	100,148	38								
		3	Often	147	32	13,199	32	11,552	31	80,617	31								
		4	Very often	66	14	6,537	16	5,306	14	36,512	14								
		Total		457	100	42,530	100	37,170	100	259,144	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>(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	53	12	3,344	8	2,520	7	14,844	6	<b>6.3</b>	6.9 *	-0.09	7.3 **	-0.15	7.7 ***	-0.21	▽
		1.5	1-2	101	23	8,584	20	6,858	19	43,749	17								
		4	3-5	133	29	12,438	29	10,560	29	74,004	29								
		8	6-10	73	15	8,677	21	7,969	21	57,947	22								
		13	11-15	44	9	4,201	10	4,001	11	28,811	11								
		18	16-20	25	5	2,087	5	2,052	5	15,290	6								
		23	More than 20	31	6	3,116	7	3,046	8	23,706	9								
		Total		460	100	42,447	100	37,006	100	258,351	100								
b. Between 6 and 10 pages	wrmednum <i>(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	166	37	12,095	29	9,483	27	58,670	24	<b>2.9</b>	3.3	-0.07	3.4 *	-0.10	3.7 ***	-0.16	▽
		1.5	1-2	143	32	13,793	33	12,315	33	84,330	32								
		4	3-5	73	15	9,192	21	8,562	23	63,740	24								
		8	6-10	41	9	4,450	10	4,026	11	31,194	12								
		13	11-15	19	4	1,544	4	1,477	4	10,999	4								
		18	16-20	6	1	557	1	508	1	4,079	2								
		23	More than 20	9	2	653	2	518	1	4,519	2								
Total		457	100	42,284	100	36,889	100	257,531	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	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	249	56	22,042	52	18,367	51	121,488	48	<b>1.8</b>	1.9	-0.2	1.9	.00	2.0	-0.05	
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	130	27	12,776	30	11,982	32	86,829	32								
		4	3-5	43	9	4,070	10	3,743	10	28,032	11								
		8	6-10	16	3	1,676	4	1,431	4	10,576	4								
		13	11-15	8	2	936	2	783	2	5,724	2								
		18	16-20	6	1	328	1	259	1	2,132	1								
		23	More than 20	8	2	544	1	402	1	3,288	1								
	Total			460	100	42,372	100	36,967	100	258,069	100								
Estimated number of assigned pages of student writing.	wrpages (Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)											<b>69.8</b>	74.9	-0.05	76.2	-0.07	82.4 **	-0.13	
<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	7	1,786	4	1,828	5	12,571	5	<b>2.9</b>	3.2 ***	-0.27	3.0 **	-0.12	3.1 ***	-0.18	
		2	Sometimes	129	28	8,428	20	9,560	25	59,952	23								
		3	Often	144	31	12,922	30	11,204	30	79,929	31								
		4	Very often	153	34	19,189	45	14,330	39	105,406	41								
			Total	456	100	42,325	100	36,922	100	257,858	100								
b. People from an economic background other than your own	DDeconomic	1	Never	18	5	1,547	4	1,409	4	10,852	5	<b>3.0</b>	3.1 ***	-0.16	3.0	-0.06	3.1	-0.08	
		2	Sometimes	108	23	8,312	20	8,722	24	57,921	22								
		3	Often	182	41	14,750	35	13,399	36	91,761	35								
		4	Very often	149	32	17,632	41	13,315	36	96,725	38								
			Total	457	100	42,241	100	36,845	100	257,259	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	26	7	2,201	5	2,825	7	16,574	6	<b>2.9</b>	3.1 **	-0.14	2.9	-0.02	3.0	-0.05	
		2	Sometimes	120	26	9,739	23	10,185	27	67,749	26								
		3	Often	164	36	13,426	32	11,510	32	82,196	32								
		4	Very often	149	32	16,882	40	12,339	35	90,791	36								
			Total	459	100	42,248	100	36,859	100	257,310	100								
d. People with political views other than your own	DDpolitical	1	Never	23	5	2,359	6	2,164	6	16,889	7	<b>3.0</b>	3.0	-0.04	2.9	.07	2.9	.07	
		2	Sometimes	111	24	10,228	24	10,525	28	73,298	28								
		3	Often	164	36	13,444	32	12,086	32	82,122	32								
		4	Very often	159	34	16,248	38	12,084	33	85,118	34								
			Total	457	100	42,279	100	36,859	100	257,427	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 2020 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

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

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

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2019 & 2020								Statistical Comparisons						
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	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	23	6	1,096	3	1,020	3	5,934	3	<b>2.9</b>	3.1 *** ▽	-.27	3.0 *** ▽	-.22	3.1 *** ▽	-.28
		2	Sometimes	110	25	8,214	20	7,789	22	49,544	20							
		3	Often	210	46	17,907	42	15,936	43	111,890	43							
		4	Very often	112	23	14,831	35	11,927	32	88,907	34							
		Total		455	100	42,048	100	36,672	100	256,275	100							
b. Reviewed your notes after class	LSnotes	1	Never	22	5	2,518	6	2,848	8	18,584	7	<b>3.0</b>	2.9 ** △	.13	2.8 *** △	.23	2.8 *** △	.20
		2	Sometimes	98	24	11,356	28	11,680	31	76,659	30							
		3	Often	152	34	14,081	33	12,011	33	85,143	33							
		4	Very often	181	37	14,065	32	10,127	28	75,673	30							
		Total		453	100	42,020	100	36,666	100	256,059	100							
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	20	5	2,474	6	2,814	8	16,700	7	<b>3.0</b>	2.9 * △	.09	2.8 *** △	.20	2.8 ** △	.14
		2	Sometimes	99	24	11,095	27	11,423	30	74,222	29							
		3	Often	183	41	15,657	37	13,279	36	95,580	37							
		4	Very often	150	30	12,791	30	9,152	26	69,529	27							
		Total		452	100	42,017	100	36,668	100	256,031	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	7	2	468	1	353	1	2,452	1	<b>5.7</b>	5.5 * △	.10	5.5 ** △	.13	5.6	.09
		2		2	0	588	2	531	2	3,346	1							
		3		16	4	1,870	5	1,556	4	10,573	4							
		4		34	8	4,330	10	3,809	11	25,619	10							
		5		110	25	11,517	28	10,904	30	72,658	28							
		6		128	29	10,208	25	9,606	26	65,677	25							
		7	Very much	155	32	12,757	30	9,722	27	74,267	29							
		Total		452	100	41,738	100	36,481	100	254,592	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		45	10	4,022	10	3,069	9	25,296	10	<b>58%</b>	49% *** △	.18	50% ** △	.16	48% *** △	.19
		Do not plan to do		66	16	6,644	16	5,464	16	40,987	17							
		Plan to do		70	16	10,424	25	8,551	24	60,616	24							
		Done or in progress		266	58	20,558	49	19,359	50	127,462	48							
		Total		447	100	41,648	100	36,443	100	254,361	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020					
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
b. Hold a formal leadership role in a student organization or group	leader	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	41	10	4,818	11	3,638	11	30,486	12	<b>40%</b>	35% *	.09	37%	.07	34% **	.12	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	
			Do not plan to do	188	42	18,278	44	15,622	44	110,358	44																										
			Plan to do	35	8	3,742	9	2,875	8	21,612	9																										
			Done or in progress	186	40	14,754	35	14,232	37	91,425	34																										
			Total	450	100	41,592	100	36,367	100	253,881	100																										
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	59	14	5,759	14	4,540	13	37,192	15	<b>25%</b>	24%	.03	24%	.02	22%	.06	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△		
			Do not plan to do	214	49	21,295	52	19,216	53	130,636	52																										
			Plan to do	51	12	4,352	10	3,274	10	25,960	10																										
			Done or in progress	119	25	10,055	24	9,230	24	59,273	22																										
			Total	443	100	41,461	100	36,260	100	253,061	100																										
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	58	14	5,057	12	3,676	11	29,743	12	<b>6%</b>	15% ***	-.29	15% ***	-.28	14% ***	-.27	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽	
			Do not plan to do	333	74	27,169	65	23,939	67	166,734	67																										
			Plan to do	25	6	3,364	8	2,480	7	17,460	7																										
			Done or in progress	30	6	5,875	15	6,188	15	39,244	14																										
			Total	446	100	41,465	100	36,283	100	253,181	100																										
e. Work with a faculty member on a research project	research	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	79	18	6,506	16	5,220	15	38,962	16	<b>26%</b>	25%	.03	24%	.07	23%	.09	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△
			Do not plan to do	195	43	19,511	46	17,405	49	124,336	49																										
			Plan to do	53	12	5,372	13	4,309	12	29,661	12																										
			Done or in progress	117	26	10,072	25	9,352	24	60,182	23																										
			Total	444	100	41,461	100	36,286	100	253,141	100																										
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	26	6	4,037	10	3,268	10	24,361	10	<b>54%</b>	44% ***	.21	44% ***	.20	44% ***	.19	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△
			Do not plan to do	64	14	8,699	21	7,350	21	49,765	21																										
			Plan to do	116	26	10,416	25	8,929	25	60,731	25																										
			Done or in progress	239	54	18,279	44	16,715	44	118,168	44																										
			Total	445	100	41,431	100	36,262	100	253,025	100																										
12. About how many of your courses at this institution have included a community-based project (service-learning)?	servcourse	1 None	None	139	33	15,893	40	14,600	42	93,809	39	<b>1.9</b>	1.7 ***	.17	1.7 ***	.20	1.8 **	.15	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	
			2 Some	233	52	20,220	48	17,482	47	126,441	49																										
			3 Most	53	11	4,150	9	3,376	9	25,930	10																										
			4 All	20	4	1,047	2	707	2	6,080	2																										
			Total	445	100	41,310	100	36,165	100	252,260	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020																			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%														
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																																																			
a. Students	QIstudent	1	Poor	3	1	509	1	401	1	2,972	1	<b>5.8</b>	5.6 **	.12	5.6 ***	.17	5.6 **	.13	4	8	10	24	27	30	3	100	41,265	100	36,135	100	252,246	100	100	100	100	100	100	100	100	100	100	100									
				4	1	600	1	559	2	3,854	2																																								
				16	4	1,601	4	1,469	4	9,614	4																																								
				33	8	4,010	10	3,627	10	24,548	10																																								
				95	22	10,072	25	9,292	26	61,205	24																																								
				129	30	11,058	27	10,135	27	68,991	27																																								
				161	35	12,684	31	10,148	28	74,882	30																																								
				2	1	731	2	504	2	6,180	3																																								
Total				443	100	41,265	100	36,135	100	252,246	100																																								
b. Academic advisors	QIadvisor	1	Poor	17	4	1,972	5	1,850	5	10,519	4	<b>5.5</b>	5.2 **	.13	5.1 ***	.19	5.3 *	.10	5	12	18	19	33	2	100	41,254	100	36,116	100	252,056	100	100	100	100	100	100	100	100	100	100	100	100	100	100							
				16	4	2,009	5	1,977	6	11,211	5																																								
				23	5	3,001	7	2,989	8	17,591	7																																								
				50	12	5,059	12	4,633	13	29,841	12																																								
				80	18	7,599	18	7,022	19	45,922	18																																								
				91	22	7,775	19	6,824	19	49,535	19																																								
				163	36	13,351	32	10,304	30	83,649	33																																								
				3	1	488	1	517	1	3,788	2																																								
Total				443	100	41,254	100	36,116	100	252,056	100																																								
c. Faculty	QIfaculty	1	Poor	4	1	693	2	553	2	3,597	2	<b>5.7</b>	5.5 **	.12	5.5 ***	.16	5.5 *	.10	2	5	11	23	28	29	1	100	41,219	100	36,093	100	251,985	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
				7	2	854	2	767	2	4,852	2																																								
				11	3	1,945	5	1,753	5	11,005	5																																								
				36	9	4,633	11	4,243	12	27,083	11																																								
				107	24	9,544	23	8,941	24	58,256	23																																								
				141	32	11,293	27	10,318	28	71,189	28																																								
				134	29	11,872	28	9,305	26	73,613	29																																								
				2	0	385	1	213	1	2,390	1																																								
Total				442	100	41,219	100	36,093	100	251,985	100																																								

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# NSSE 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	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	18	4	1,678	4	1,540	4	10,250	4	<b>5.2</b>	5.0	.08	4.9 **	.15	5.0	.09	
		2		14	3	1,622	4	1,610	4	10,246	4								
		3		24	5	2,596	6	2,792	7	16,993	7								
		4		49	11	5,298	13	5,006	13	31,928	12								
		5		81	19	7,685	19	7,086	19	46,706	18								
		6		100	23	7,128	17	6,188	17	43,764	17								
		7	Excellent	88	20	8,195	20	6,011	17	48,470	19								
		—	Not applicable	66	15	7,018	17	5,852	18	43,501	19								
	Total	440	100	41,220	100	36,085	100	251,858	100										
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	20	4	2,113	5	1,778	5	11,251	5	<b>5.0</b>	4.9	.05	4.9	.07	5.0	.01	
		2		22	6	2,017	5	1,813	5	11,818	5								
		3		41	9	3,290	8	2,898	8	19,188	8								
		4		52	12	5,976	14	5,621	15	36,124	14								
		5		95	21	8,731	21	7,741	21	52,395	20								
		6		100	23	7,793	19	7,125	20	50,251	20								
		7	Excellent	99	21	8,519	21	6,679	19	55,014	22								
		—	Not applicable	14	3	2,780	7	2,426	7	15,912	7								
	Total	443	100	41,219	100	36,081	100	251,953	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	6	1	771	2	667	2	4,763	2	<b>3.2</b>	3.1	.03	3.1	.05	3.1	.05	
		2	Some	72	17	7,459	18	6,256	19	45,779	19								
		3	Quite a bit	202	46	18,543	45	16,022	45	114,514	46								
		4	Very much	159	35	14,308	35	13,029	34	86,100	34								
			Total	439	100	41,081	100	35,974	100	251,156	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	16	4	2,091	5	1,895	6	12,875	6	<b>3.0</b>	2.9	.02	2.9	.07	2.9	.02	
		2	Some	100	23	9,762	24	9,164	26	59,659	24								
		3	Quite a bit	199	46	17,420	42	15,446	42	105,789	42								
		4	Very much	124	27	11,739	28	9,400	26	72,347	28								
			Total	439	100	41,012	100	35,905	100	250,670	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	53	12	3,748	9	3,141	9	22,145	9	<b>2.7</b>	2.9 ***	-.22	2.8 ***	-.18	2.9 ***	-.22	
		2	Some	136	32	9,774	24	9,402	26	60,594	25								
		3	Quite a bit	151	34	15,197	37	13,705	38	94,204	37								
		4	Very much	98	22	12,224	29	9,624	27	73,517	29								
			Total	438	100	40,943	100	35,872	100	250,460	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	60	14	5,648	14	6,142	17	36,684	15	<b>2.5</b>	2.7 *	-11	2.6	-.01	2.6	-.08																	
		2	Some	157	36	12,053	30	11,563	32	76,011	30																								
		3	Quite a bit	136	32	13,437	32	10,918	31	80,352	32																								
		4	Very much	86	18	9,774	24	7,190	21	57,029	23																								
		Total		439	100	40,912	100	35,813	100	250,076	100																								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	29	7	2,900	7	2,976	9	22,012	9	<b>2.8</b>	2.9	-.07	2.8	.04	2.8	.04																	
		2	Some	107	25	9,779	24	9,517	27	65,446	27																								
		3	Quite a bit	193	44	15,842	39	14,037	39	95,874	38																								
		4	Very much	110	24	12,326	30	9,250	26	66,516	26																								
		Total		439	100	40,847	100	35,780	100	249,848	100																								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	46	11	3,926	10	4,100	12	29,608	12	<b>2.7</b>	2.8 *	-10	2.7	.00	2.7	.00																	
		2	Some	125	29	10,426	26	10,081	28	69,553	28																								
		3	Quite a bit	165	38	15,001	36	12,947	36	89,027	35																								
		4	Very much	104	23	11,457	28	8,632	24	61,365	24																								
		Total		440	100	40,810	100	35,760	100	249,553	100																								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	139	32	12,887	32	12,502	35	81,623	33	<b>2.1</b>	2.1	-.04	2.1	.03	2.1	-.02																	
		2	Some	158	37	14,122	35	12,816	35	87,280	35																								
		3	Quite a bit	98	23	8,722	21	6,903	20	52,306	21																								
		4	Very much	42	9	5,031	12	3,482	10	28,120	11																								
		Total		437	100	40,762	100	35,703	100	249,329	100																								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	62	15	4,910	12	5,067	15	42,878	18	<b>2.5</b>	2.7 ***	-.22	2.6	-.05	2.5	-.01																	
		2	Some	149	34	11,294	27	11,325	32	74,343	30																								
		3	Quite a bit	151	35	14,376	35	12,271	34	82,322	32																								
		4	Very much	75	16	10,139	25	7,020	19	49,497	20																								
		Total		437	100	40,719	100	35,683	100	249,040	100																								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	116	27	8,198	21	7,847	23	55,238	23	<b>2.1</b>	2.4 ***	-.24	2.3 ***	-.16	2.3 ***	-.17																	
		2	Some	174	41	15,066	37	13,850	38	91,182	37																								
		3	Quite a bit	105	23	11,288	28	9,658	27	68,898	27																								
		4	Very much	41	9	6,166	15	4,344	12	33,786	13																								
		Total		436	100	40,718	100	35,699	100	249,104	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				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. To what extent do you agree or disagree with the following statements?</b>																		
a. I feel comfortable being myself at this institution.	SBmyself <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	15	4	670	3	547	3	3,695	3	<b>3.3</b>	3.3	-.03	3.3	.00	3.3	-.01
		2	Disagree	26	7	1,903	7	1,401	7	10,174	7							
		3	Agree	189	43	13,623	45	9,064	47	70,214	46							
		4	Strongly agree	204	46	13,302	45	8,274	43	64,529	44							
		Total		434	100	29,498	100	19,286	100	148,612	100							
b. I feel valued by this institution.	SBvalued <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	39	10	2,057	8	1,458	8	9,586	7	<b>2.9</b>	2.9	-.03	2.9	.01	2.9	-.06
		2	Disagree	64	16	5,512	19	3,875	20	27,370	18							
		3	Agree	219	51	14,326	48	9,441	49	73,597	49							
		4	Strongly agree	112	24	7,568	25	4,507	23	37,920	26							
		Total		434	100	29,463	100	19,281	100	148,473	100							
c. I feel like part of the community at this institution.	SBcommunity <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	23	6	1,678	6	1,273	7	8,351	6	<b>3.0</b>	3.0	.01	2.9 *	.10	3.0	.04
		2	Disagree	72	17	5,087	17	3,698	19	26,939	18							
		3	Agree	210	49	14,268	48	9,439	49	73,451	49							
		4	Strongly agree	130	28	8,442	28	4,869	25	39,831	27							
		Total		435	100	29,475	100	19,279	100	148,572	100							
<b>16. 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	5	1	205	1	141	0	966	0	<b>15.8</b>	14.7 **	.13	15.1	.08	14.9 *	.10
		3	1-5 hrs	47	11	5,729	14	4,306	13	32,088	13							
		8	6-10 hrs	91	21	9,465	24	7,774	23	57,171	23							
		13	11-15 hrs	82	19	8,425	21	7,316	21	51,372	21							
		18	16-20 hrs	92	21	7,080	18	6,582	18	45,064	18							
		23	21-25 hrs	44	10	4,226	10	4,077	11	26,868	11							
		28	26-30 hrs	24	5	2,316	6	2,332	6	15,323	6							
33	More than 30 hrs	50	11	3,154	8	3,072	8	19,691	8									
Total		435	100	40,600	100	35,600	100	248,543	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	149	34	16,658	41	14,082	42	104,991	44	<b>5.8</b>	5.2	.09	5.0 *	.12	5.0 *	.12
		3	1-5 hrs	125	29	11,167	28	10,662	28	67,710	26							
		8	6-10 hrs	70	17	5,442	14	4,822	13	31,950	13							
		13	11-15 hrs	41	10	3,398	8	2,698	7	18,789	7							
		18	16-20 hrs	27	6	1,833	5	1,545	4	11,735	5							
		23	21-25 hrs	7	1	1,000	2	798	2	6,274	2							
		28	26-30 hrs	5	1	394	1	365	1	2,603	1							
33	More than 30 hrs	9	2	648	2	540	2	4,071	2									
Total		433	100	40,540	100	35,512	100	248,123	100									

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# NSSE 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. Working for pay on campus	tmworkonhrs	0	0 hrs	290	65	30,387	75	23,574	70	174,318	72	<b>4.1</b>	3.6	.07	4.1	.00	3.6	.07	
	(Recorded version of tmworkon created by NSSE.	3	1-5 hrs	34	8	1,274	3	1,626	4	12,333	4								
	8	6-10 hrs	42	10	2,435	6	3,159	8	20,887	7									
	13	11-15 hrs	31	7	2,409	6	2,631	6	16,237	6									
	18	16-20 hrs	27	6	2,268	6	3,063	7	15,176	6									
	23	21-25 hrs	3	1	816	2	777	2	4,608	2									
	28	26-30 hrs	0	0	303	1	286	1	1,701	1									
	33	More than 30 hrs	9	3	637	2	437	1	2,855	1									
	Total				436	100	40,529	100	35,553	100	248,115								100
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	185	43	16,440	43	15,351	42	101,759	41	<b>10.9</b>	12.4 *	-11	12.4 *	-11	13.0 ***	-16	
	(Recorded version of tmworkoff created by NSSE.	3	1-5 hrs	25	6	1,852	5	1,888	5	12,231	5								
	8	6-10 hrs	41	9	2,457	6	2,389	6	15,921	6									
	13	11-15 hrs	36	8	2,842	7	2,575	7	17,331	7									
	18	16-20 hrs	39	8	3,748	9	3,508	10	22,881	9									
	23	21-25 hrs	30	7	3,249	8	2,684	8	17,789	7									
	28	26-30 hrs	28	6	2,544	6	1,826	5	13,057	5									
	33	More than 30 hrs	52	12	7,420	18	5,348	18	47,366	21									
	Total				436	100	40,552	100	35,569	100	248,335								100
Estimated number of hours working for pay	tmworkhrs										<b>15.0</b>	16.0	-07	16.5 *	-11	16.7 *	-12		
(Continuous variable created by NSSE)																			
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	215	51	19,474	49	17,606	51	123,741	51	<b>3.1</b>	3.5	-06	3.1	.01	3.3	-02	
	(Recorded version of tmservice created by NSSE.	3	1-5 hrs	143	32	13,323	33	12,444	33	82,433	32								
	8	6-10 hrs	40	9	3,719	9	2,848	8	20,639	8									
	13	11-15 hrs	21	5	1,777	4	1,178	3	9,373	4									
	18	16-20 hrs	8	2	970	2	730	2	5,555	2									
	23	21-25 hrs	3	1	531	1	327	1	2,567	1									
	28	26-30 hrs	1	0	208	0	134	0	1,156	0									
	33	More than 30 hrs	5	1	549	1	288	1	2,704	1									
	Total				436	100	40,551	100	35,555	100	248,168								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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	<i>(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	16	4	1,238	3	827	3	7,456	3	<b>12.0</b>	11.4	.07	11.2	.09	10.9 **	.13
		3	1-5 hrs	91	20	10,447	25	9,094	26	66,768	27							
		8	6-10 hrs	131	30	11,191	27	10,124	28	70,216	28							
		13	11-15 hrs	74	18	7,698	19	6,930	19	46,262	18							
		18	16-20 hrs	62	15	4,769	12	4,282	12	28,679	12							
		23	21-25 hrs	22	5	2,116	5	1,830	5	11,955	5							
		28	26-30 hrs	11	2	925	2	805	2	5,387	2							
		33	More than 30 hrs	26	7	2,146	6	1,651	5	11,414	5							
	Total			433	100	40,530	100	35,543	100	248,137	100							
g. Providing care for dependents (children, parents, etc.)	<i>(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	297	68	27,034	68	24,974	68	160,275	63	<b>4.6</b>	5.4	-.08	5.1	-.06	6.3 ***	-.15
		3	1-5 hrs	45	10	3,920	10	3,559	10	25,890	10							
		8	6-10 hrs	24	6	1,974	5	1,616	5	12,629	5							
		13	11-15 hrs	18	4	1,352	3	1,036	3	8,381	4							
		18	16-20 hrs	9	2	1,032	3	793	2	6,673	3							
		23	21-25 hrs	8	2	624	2	424	1	3,790	2							
		28	26-30 hrs	2	0	400	1	303	1	2,627	1							
		33	More than 30 hrs	30	7	4,136	10	2,795	9	27,559	12							
	Total			433	100	40,472	100	35,500	100	247,824	100							
h. Commuting to campus (driving, walking, etc.)	<i>(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	53	12	6,867	16	6,400	19	63,785	25	<b>5.2</b>	5.7	-.07	5.2	.01	5.0	.04
		3	1-5 hrs	272	62	20,587	52	19,323	53	116,391	46							
		8	6-10 hrs	59	13	7,288	18	5,800	16	38,446	16							
		13	11-15 hrs	27	6	2,706	6	1,949	6	14,097	6							
		18	16-20 hrs	10	2	1,143	3	836	3	5,934	3							
		23	21-25 hrs	5	1	610	1	374	1	2,943	1							
		28	26-30 hrs	1	0	280	1	211	1	1,427	1							
		33	More than 30 hrs	9	2	1,064	3	676	2	5,206	2							
	Total			436	100	40,545	100	35,569	100	248,229	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 2020 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				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
<b>17. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																																			
	reading	1	Very little	131	30	6,864	18	5,795	17	33,570	14	<b>2.2</b>	2.7 ***	-0.37	2.7 ***	-0.41	2.8 ***	-0.49																	
		2	Some	159	37	12,651	32	10,753	31	71,167	29																								
		3	About half	81	18	10,317	25	9,000	25	67,792	27																								
		4	Most	45	10	7,341	18	7,025	19	52,683	21																								
		5	Almost all	20	5	3,285	8	2,948	8	22,637	9																								
		Total		436	100	40,458	100	35,521	100	247,849	100																								
	tmreadinghrs																									<b>5.3</b>	6.5 ***	-0.18	6.8 ***	-0.24	7.1 ***	-0.27			
	<i>(Continuous variable created by NSSE. Calculated as a proportion of tmprehrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)</i>																																		
	tmreadinghrscol	1	0 hrs	5	1	199	1	140	0	947	0																								
	<i>(Collapsed version of tmreadinghrs created by NSSE.)</i>		2	More than zero, up to 5 hrs	271	63	21,317	54	17,365	51	117,903	49																							
		3	More than 5, up to 10 hrs	103	24	10,845	27	10,147	28	71,898	29																								
		4	More than 10, up to 15 hrs	22	5	3,634	9	3,622	10	25,968	10																								
		5	More than 15, up to 20 hrs	16	3	2,121	5	2,090	6	14,848	6																								
		6	More than 20, up to 25 hrs	8	2	1,421	3	1,434	4	10,416	4																								
		7	More than 25 hrs	9	2	758	2	595	2	4,948	2																								
		Total		434	100	40,295	100	35,393	100	246,928	100																								
<b>18. 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	32	8	2,253	6	2,227	7	12,589	6	<b>2.9</b>	3.0 **	-0.13	2.9	-0.07	3.0 **	-0.16																	
		2	Some	105	25	8,694	22	8,256	23	51,834	21																								
		3	Quite a bit	166	38	15,387	38	13,827	38	97,137	39																								
		4	Very much	130	28	14,054	34	11,131	31	85,737	34																								
		Total		433	100	40,388	100	35,441	100	247,297	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 2020 Frequencies and Statistical Comparisons

## Tennessee Technological University

### Seniors

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

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

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NSSE 2019 & 2020								Your seniors compared with						
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
b. Speaking clearly and effectively	pgspeak	1	Very little	32	8	2,735	7	2,873	9	17,279	8	<b>2.9</b>	3.0	-.06	2.9	.04	2.9	-.03
		2	Some	98	24	9,024	23	9,012	25	56,795	23							
		3	Quite a bit	165	38	14,856	37	13,074	36	92,879	37							
		4	Very much	139	30	13,740	33	10,476	30	80,329	32							
		Total		434	100	40,355	100	35,435	100	247,282	100							
c. Thinking critically and analytically	pgthink	1	Very little	5	1	900	2	824	3	5,148	2	<b>3.3</b>	3.3	.04	3.3	.07	3.3	.05
		2	Some	40	10	4,973	12	4,415	13	29,884	13							
		3	Quite a bit	175	41	14,885	37	13,157	37	92,778	37							
		4	Very much	214	47	19,609	49	17,059	47	119,582	48							
		Total		434	100	40,367	100	35,455	100	247,392	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	20	5	3,395	8	3,348	9	23,836	9	<b>3.1</b>	3.0 ***	.16	2.9 ***	.23	2.9 ***	.23
		2	Some	81	19	9,439	23	8,612	24	62,406	24							
		3	Quite a bit	158	36	13,618	34	11,692	33	82,288	33							
		4	Very much	173	40	13,901	36	11,782	33	78,798	33							
		Total		432	100	40,353	100	35,434	100	247,328	100							
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	19	5	3,292	9	3,002	9	19,646	9	<b>3.1</b>	3.0 *	.11	2.9 ***	.16	3.0 **	.13
		2	Some	78	20	8,853	22	8,321	23	56,129	23							
		3	Quite a bit	163	37	13,557	33	12,099	34	85,048	34							
		4	Very much	172	38	14,652	36	12,036	34	86,529	35							
		Total		432	100	40,354	100	35,458	100	247,352	100							
f. Working effectively with others	pgothers	1	Very little	13	4	1,764	5	1,766	6	11,825	5	<b>3.1</b>	3.1	.01	3.0	.08	3.1	.05
		2	Some	79	19	7,709	20	7,221	21	48,613	20							
		3	Quite a bit	173	40	15,036	37	13,735	38	94,741	38							
		4	Very much	169	37	15,831	39	12,705	35	92,112	37							
		Total		434	100	40,340	100	35,427	100	247,291	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	39	10	4,138	11	3,894	12	23,520	11	<b>2.8</b>	2.8	-.01	2.8	.05	2.9	-.02
		2	Some	99	24	9,429	24	8,945	26	57,722	24							
		3	Quite a bit	163	37	13,508	33	12,073	33	85,934	34							
		4	Very much	132	28	13,256	32	10,512	29	79,956	31							
		Total		433	100	40,331	100	35,424	100	247,132	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 2020 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		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	43	11	3,539	10	4,003	11	21,627	10	<b>2.7</b>	2.9 ***	-0.17	2.8	-0.06	2.9 **	-0.15	
		2	Some	126	31	9,537	24	9,612	27	60,790	25								
		3	Quite a bit	140	32	13,661	33	11,671	33	85,024	34								
		4	Very much	122	26	13,624	33	10,145	29	79,815	32								
		Total		431	100	40,361	100	35,431	100	247,256	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	32	9	3,390	9	3,045	9	20,509	9	<b>3.0</b>	2.9	.08	2.8 **	.14	2.9 *	.11	
		2	Some	82	19	9,893	25	9,642	27	64,607	26								
		3	Quite a bit	166	39	14,248	35	12,546	35	88,593	35								
		4	Very much	152	33	12,827	31	10,197	29	73,552	30								
		Total		432	100	40,358	100	35,430	100	247,261	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	59	15	4,838	13	5,038	15	29,387	13	<b>2.6</b>	2.7 *	-0.12	2.7	-0.03	2.7 *	-0.10	
		2	Some	129	30	11,129	28	10,887	30	70,787	29								
		3	Quite a bit	137	31	12,946	31	10,985	30	80,571	32								
		4	Very much	109	23	11,493	28	8,561	25	66,745	27								
		Total		434	100	40,406	100	35,471	100	247,490	100								
<b>19. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	9	2	993	3	940	3	5,949	3	<b>3.3</b>	3.2	.06	3.2 **	.14	3.2	.07	
		2	Fair	44	11	4,778	12	4,487	13	29,242	12								
		3	Good	176	41	17,505	43	16,130	45	107,867	43								
		4	Excellent	208	45	17,303	42	14,047	38	105,309	42								
		Total		437	100	40,579	100	35,604	100	248,367	100								
<b>20. If you could start over again, would you go to the same institution you are now attending?</b>																			
	sameinst	1	Definitely no	16	4	1,831	5	1,721	5	11,508	5	<b>3.3</b>	3.3	.01	3.2 *	.10	3.2	.04	
		2	Probably no	45	11	4,703	11	4,576	13	30,814	12								
		3	Probably yes	166	39	14,978	37	14,220	40	95,411	38								
		4	Definitely yes	212	46	19,244	47	15,183	42	111,343	45								
		Total		439	100	40,756	100	35,700	100	249,076	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 2020 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	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:						
														Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020				
1 a. askquest	514	2.75	2.75	2.74	2.80	.036	.004	.004	.002	.82	.86	.84	.85	524	43,159	249,493	.964	.825	.191	.00	.01	-.06				
b. unpreparedr	515	3.12	3.05	3.03	3.07	.033	.003	.004	.002	.74	.77	.77	.77	56,091	43,038	248,394	.021	.007	.124	.10	.12	.07				
c. attendart	517	2.03	1.86	1.84	1.85	.035	.004	.004	.002	.81	.91	.91	.92	528	532	518	.000	.000	.000	.19	.20	.20				
d. CLaskhelp	513	2.75	2.64	2.65	2.60	.040	.004	.004	.002	.90	.89	.88	.90	55,772	42,841	247,261	.009	.018	.000	.12	.10	.17				
e. CLexplain	511	2.75	2.74	2.75	2.69	.037	.004	.004	.002	.83	.83	.83	.85	55,493	42,684	246,390	.744	.880	.095	.01	.01	.07				
f. CLstudy	509	2.68	2.58	2.57	2.53	.044	.004	.005	.002	.99	.97	.96	.98	55,060	42,422	244,939	.022	.012	.000	.10	.11	.16				
g. CLproject	507	2.75	2.66	2.68	2.64	.040	.004	.004	.002	.90	.88	.85	.89	54,551	42,151	243,259	.014	.046	.003	.11	.09	.13				
h. present	502	2.42	2.21	2.26	2.27	.040	.004	.004	.002	.91	.91	.89	.91	54,397	513	242,817	.000	.000	.000	.23	.18	.16				
2 a. RIintegrate	496	2.50	2.54	2.58	2.57	.039	.004	.004	.002	.87	.86	.84	.85	53,292	41,309	238,824	.372	.048	.068	-.04	-.09	-.08				
b. RISocietal	493	2.36	2.52	2.54	2.56	.040	.004	.004	.002	.89	.89	.87	.88	52,678	40,897	236,705	.000	.000	.000	-.17	-.21	-.23				
c. RIDiverse	481	2.35	2.54	2.54	2.56	.040	.004	.005	.002	.89	.91	.90	.90	489	40,502	482	.000	.000	.000	-.20	-.21	-.23				
d. Rlownview	471	2.66	2.76	2.76	2.77	.039	.004	.004	.002	.85	.82	.80	.81	478	480	472	.010	.008	.003	-.12	-.13	-.15				
e. Rlperspect	466	2.82	2.91	2.92	2.92	.039	.004	.004	.002	.85	.80	.79	.79	473	475	467	.013	.010	.008	-.12	-.13	-.13				
f. RInewview	451	2.73	2.83	2.84	2.86	.040	.004	.004	.002	.85	.80	.79	.79	457	459	451	.012	.005	.002	-.13	-.14	-.16				
g. RIconnect	444	2.93	3.01	3.02	3.03	.036	.003	.004	.002	.75	.75	.74	.74	48,117	38,139	221,018	.022	.007	.003	-.11	-.13	-.14				
3 a. SFcareer	441	2.35	2.37	2.30	2.33	.043	.004	.005	.002	.90	.94	.93	.93	48,116	38,099	220,895	.678	.313	.626	-.02	.05	.02				
b. SFotherwork	438	1.80	1.81	1.79	1.80	.044	.004	.005	.002	.92	.94	.92	.92	47,773	37,897	219,596	.754	.762	.958	-.02	.01	.00				
c. SFdiscuss	434	2.04	2.02	2.00	2.02	.044	.004	.005	.002	.91	.92	.89	.90	47,142	37,516	217,338	.542	.299	.540	.03	.05	.03				
d. SFperform	431	2.12	2.17	2.11	2.14	.042	.004	.005	.002	.88	.90	.88	.89	47,076	37,442	217,118	.326	.786	.678	-.05	.01	-.02				
4 a. memorize	430	3.01	2.97	2.94	2.91	.037	.004	.004	.002	.76	.80	.80	.80	46,650	440	431	.257	.043	.005	.05	.09	.13				
b. HOapply	426	2.87	2.92	2.91	2.91	.041	.004	.004	.002	.84	.81	.79	.80	432	433	426	.178	.351	.276	-.07	-.05	-.06				
c. HOanalyze	423	2.82	2.89	2.89	2.90	.041	.004	.004	.002	.84	.82	.81	.81	45,729	431	424	.053	.080	.035	-.09	-.09	-.11				
d. HOevaluate	419	2.79	2.88	2.86	2.89	.040	.004	.004	.002	.82	.82	.81	.81	45,373	36,264	419	.023	.065	.009	-.11	-.09	-.13				
e. HOform	416	2.76	2.87	2.86	2.89	.042	.004	.004	.002	.86	.82	.80	.80	422	423	416	.013	.028	.004	-.13	-.12	-.15				
5 a. ETgoals	411	3.04	3.04	3.03	3.06	.039	.004	.004	.002	.80	.79	.78	.78	44,633	35,827	207,694	.872	.755	.549	-.01	.02	-.03				
b. ETorganize	409	2.89	2.97	2.96	2.99	.043	.004	.004	.002	.86	.84	.82	.82	415	417	410	.044	.107	.023	-.10	-.08	-.12				
c. ETexample	410	3.02	3.01	3.00	3.02	.041	.004	.004	.002	.84	.83	.82	.82	44,352	35,642	206,540	.894	.685	.978	.01	.02	.00				
d. ETdraftfb	408	2.73	2.78	2.74	2.81	.048	.004	.005	.002	.97	.92	.91	.91	414	415	408	.306	.750	.077	-.05	-.02	-.09				
e. ETfeedback	409	2.64	2.68	2.65	2.73	.046	.004	.005	.002	.93	.92	.90	.90	44,099	35,449	205,483	.356	.923	.046	-.05	.00	-.10				
6 a. QRconclude	402	2.59	2.62	2.59	2.58	.045	.004	.005	.002	.90	.88	.87	.87	43,392	35,029	202,768	.451	.996	.874	-.04	.00	.01				
b. QRproblem	399	2.34	2.34	2.32	2.33	.046	.005	.005	.002	.93	.94	.91	.92	43,116	34,821	201,506	.880	.662	.865	-.01	.02	.01				
c. QRevaluate	400	2.34	2.35	2.33	2.33	.044	.004	.005	.002	.89	.90	.88	.89	42,919	34,653	200,703	.705	.889	.808	-.02	.01	.01				

# NSSE 2020 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	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:								
														Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020						
7 a. wrshortnum	399	4.79	5.89	6.43	6.49	.242	.026	.031	.013	4.84	5.37	5.68	5.69	407	411	400	.000	.000	.000	-.21	-.29	-.30						
b. wrmednum	397	1.39	2.04	2.23	2.32	.149	.016	.018	.008	2.97	3.23	3.31	3.40	405	408	398	.000	.000	.000	-.20	-.25	-.27						
c. wrlongnum	397	.65	.94	.92	1.00	.122	.014	.015	.007	2.44	2.87	2.81	2.95	406	408	398	.020	.028	.005	-.10	-.10	-.12						
— wrpages	392	33.85	47.68	50.53	52.50	3.206	.349	.386	.166	63.47	71.48	71.16	73.75	400	402	393	.000	.000	.000	-.19	-.23	-.25						
8 a. DDrace	398	2.96	3.09	3.01	3.04	.046	.004	.005	.002	.92	.90	.91	.91	42,618	34,454	199,375	.004	.247	.058	-.15	-.06	-.10						
b. DDeconomic	398	3.04	3.07	3.01	3.03	.043	.004	.005	.002	.86	.88	.87	.88	42,483	34,389	198,820	.436	.613	.822	-.04	.03	.01						
c. DDreligion	398	3.00	2.98	2.91	2.94	.044	.005	.005	.002	.87	.93	.94	.94	405	407	398	.713	.050	.150	.02	.09	.07						
d. DDpolitical	398	3.02	2.97	2.90	2.89	.045	.005	.005	.002	.90	.93	.93	.94	42,488	407	399	.271	.006	.003	.06	.14	.14						
9 a. LSreading	397	2.91	2.98	2.97	3.00	.040	.004	.004	.002	.79	.78	.76	.77	404	405	398	.071	.142	.023	-.09	-.08	-.12						
b. LSnotes	396	3.00	2.96	2.89	2.91	.045	.004	.005	.002	.89	.87	.88	.88	42,036	34,055	197,226	.318	.009	.041	.05	.13	.10						
c. LSsummary	396	2.85	2.86	2.79	2.83	.044	.004	.005	.002	.88	.87	.87	.87	42,050	34,047	197,246	.874	.159	.567	-.01	.07	.03						
10. challenge	393	5.48	5.41	5.39	5.42	.064	.006	.007	.003	1.28	1.26	1.23	1.24	41,744	33,846	195,977	.292	.158	.385	.05	.07	.04						
11 a. intern <sup>l</sup>	392	.045	.075	.070	.073	.0105	.0013	.0014	.0006	--	--	--	--	--	--	--	.024	.052	.030	-.13	-.11	-.12						
b. leader <sup>l</sup>	393	.135	.105	.108	.103	.0173	.0015	.0017	.0007	--	--	--	--	--	--	--	.053	.083	.032	.09	.08	.10						
c. learncom <sup>l</sup>	387	.071	.136	.155	.127	.0130	.0017	.0020	.0008	--	--	--	--	--	--	--	.000	.000	.001	-.22	-.27	-.19						
d. abroad <sup>l</sup>	388	.022	.032	.026	.028	.0074	.0009	.0009	.0004	--	--	--	--	--	--	--	.280	.604	.466	-.06	-.03	-.04						
e. research <sup>l</sup>	387	.037	.051	.045	.047	.0096	.0011	.0011	.0005	--	--	--	--	--	--	--	.205	.467	.376	-.07	-.04	-.05						
f. capstone <sup>l</sup>	386	.011	.025	.019	.020	.0052	.0008	.0008	.0003	--	--	--	--	--	--	--	.078	.224	.189	-.11	-.07	-.08						
12. servcourse	380	1.67	1.61	1.59	1.64	.036	.003	.004	.002	.70	.69	.68	.71	41,065	33,358	193,065	.105	.027	.384	.08	.11	.04						
13 a. QIstudent	379	5.56	5.45	5.42	5.45	.066	.007	.007	.003	1.28	1.37	1.35	1.36	40,566	33,053	189,708	.125	.046	.122	.08	.10	.08						
b. QIadvisor	377	5.66	5.40	5.34	5.38	.072	.008	.009	.004	1.40	1.59	1.59	1.58	386	388	378	.000	.000	.000	.17	.21	.18						
c. QIfaculty	375	5.42	5.36	5.33	5.41	.069	.007	.008	.003	1.33	1.38	1.36	1.37	40,423	32,932	190,070	.359	.187	.877	.05	.07	.01						
d. QIstaff	341	5.31	5.20	5.13	5.19	.080	.008	.009	.004	1.48	1.58	1.57	1.58	36,965	30,211	172,362	.194	.040	.166	.07	.11	.08						
e. QIadmin	362	5.34	5.09	5.05	5.15	.081	.008	.009	.004	1.53	1.62	1.60	1.59	37,581	30,604	177,819	.005	.001	.030	.15	.18	.11						
14 a. empstudy	378	3.10	3.08	3.08	3.08	.039	.004	.004	.002	.75	.76	.75	.75	40,682	33,119	191,592	.661	.636	.697	.02	.02	.02						
b. SEacademic	375	2.96	3.05	3.01	3.04	.045	.004	.005	.002	.87	.83	.82	.83	40,545	382	191,019	.038	.251	.043	-.11	-.06	-.10						
c. SElearnsup	376	3.02	3.12	3.09	3.10	.046	.004	.005	.002	.89	.88	.87	.88	40,548	33,005	190,909	.044	.153	.102	-.10	-.07	-.08						
d. SEdiverse	373	2.64	2.78	2.70	2.77	.051	.005	.005	.002	.98	.95	.96	.95	40,496	32,962	190,625	.007	.281	.014	-.14	-.06	-.13						
e. SEsocial	371	2.94	3.02	2.95	2.96	.044	.004	.005	.002	.85	.87	.87	.88	40,365	32,883	190,215	.061	.876	.679	-.10	-.01	-.02						
f. SEwellness	371	2.87	2.98	2.91	2.92	.047	.004	.005	.002	.91	.89	.89	.90	40,298	32,848	189,869	.019	.436	.356	-.12	-.04	-.05						



# NSSE 2020 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	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:						
														Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020				
g. SEnonacad	372	2.25	2.37	2.29	2.35	.049	.005	.005	.002	.94	.98	.96	.97	379	32,831	189,834	.015	.400	.053	-.12	-.04	-.10				
h. SEactivities	372	2.73	2.93	2.81	2.79	.047	.005	.005	.002	.91	.91	.91	.94	378	32,800	189,537	.000	.073	.182	-.22	-.09	-.07				
i. SEevents	371	2.29	2.52	2.45	2.47	.048	.005	.005	.002	.93	.95	.94	.96	40,236	32,793	372	.000	.002	.000	-.24	-.16	-.18				
15 a. SBmyself	372	3.25	3.29	3.24	3.26	.033	.004	.005	.002	.64	.69	.69	.69	383	16,480	374	.153	.969	.664	-.07	.00	-.02				
b. SBvalued	367	2.94	3.00	2.94	3.01	.039	.005	.006	.002	.75	.76	.76	.74	27,223	16,460	106,892	.122	.876	.100	-.08	.01	-.09				
c. SBcommunity	369	3.02	3.04	2.97	3.02	.037	.005	.006	.002	.70	.78	.77	.77	381	389	371	.536	.222	.991	-.03	.06	.00				
16 a. tmprephrs	371	14.56	14.02	14.64	14.41	.395	.041	.045	.019	7.60	8.10	8.07	8.15	40,033	32,609	188,781	.199	.852	.722	.07	-.01	.02				
b. tmcocurrhrs	368	5.62	5.72	5.40	5.61	.363	.035	.037	.016	6.96	7.04	6.71	7.04	39,922	32,571	188,230	.781	.538	.970	-.01	.03	.00				
c. tmworkonhrs	369	2.28	2.16	2.49	2.42	.273	.029	.032	.013	5.25	5.69	5.80	5.77	39,938	378	188,323	.686	.433	.630	.02	-.04	-.03				
d. tmworkoffhrs	369	6.80	5.39	5.01	5.92	.512	.048	.051	.023	9.84	9.52	9.12	10.11	375	375	188,499	.006	.001	.095	.15	.20	.09				
— tmworkhrs	366	9.06	7.50	7.48	8.30	.598	.057	.061	.027	11.44	11.36	10.91	11.68	39,780	32,458	187,668	.009	.006	.218	.14	.14	.06				
e. tmservicehrs	367	2.68	2.70	2.40	2.52	.256	.025	.026	.011	4.91	4.99	4.71	4.90	39,929	32,567	188,407	.941	.247	.512	.00	.06	.03				
f. tmrelaxhrs	370	13.02	12.98	12.98	12.55	.458	.044	.048	.020	8.80	8.73	8.62	8.61	39,959	32,563	188,384	.920	.923	.292	.01	.01	.05				
g. tmcarehrs	370	2.19	2.42	2.07	3.07	.306	.033	.032	.017	5.88	6.49	5.82	7.55	39,889	32,515	371	.502	.687	.004	-.04	.02	-.12				
h. tmcommutehrs	370	4.57	4.63	4.12	4.10	.316	.033	.035	.015	6.08	6.60	6.21	6.34	39,976	32,594	188,446	.853	.167	.153	-.01	.07	.07				
17. reading	371	2.46	2.52	2.62	2.71	.053	.005	.006	.003	1.02	1.07	1.08	1.09	378	380	372	.261	.003	.000	-.06	-.15	-.23				
— tmreadinghrs	370	5.60	5.68	6.23	6.46	.258	.027	.031	.013	4.97	5.30	5.50	5.70	39,699	379	371	.768	.015	.001	-.02	-.12	-.15				
18 a. pgwrite	369	2.63	2.78	2.74	2.80	.046	.004	.005	.002	.88	.89	.87	.87	39,722	32,372	187,202	.001	.022	.000	-.17	-.12	-.19				
b. pgspeak	367	2.73	2.67	2.62	2.68	.046	.005	.005	.002	.88	.94	.92	.92	374	375	187,167	.230	.016	.352	.06	.12	.05				
c. pgthink	369	3.01	3.06	3.04	3.08	.042	.004	.005	.002	.80	.82	.81	.80	39,691	32,363	187,211	.245	.509	.126	-.06	-.03	-.08				
d. pganalyze	369	2.77	2.74	2.67	2.68	.049	.005	.005	.002	.94	.93	.94	.94	39,662	32,365	187,163	.473	.035	.050	.04	.11	.10				
e. pgwork	368	2.63	2.64	2.58	2.63	.047	.005	.005	.002	.91	.96	.95	.95	39,702	32,368	187,206	.982	.315	.884	.00	.05	.01				
f. pgothers	366	2.83	2.86	2.82	2.86	.045	.004	.005	.002	.87	.88	.88	.88	39,659	32,356	187,091	.647	.718	.637	-.02	.02	-.02				
g. pgvalues	369	2.59	2.70	2.66	2.72	.049	.005	.005	.002	.95	.95	.95	.94	39,662	32,364	187,087	.030	.147	.008	-.11	-.08	-.14				
h. pgdiverse	367	2.59	2.81	2.73	2.81	.050	.005	.005	.002	.95	.94	.95	.93	39,677	32,362	187,113	.000	.004	.000	-.23	-.15	-.24				
i. pgprobsolve	367	2.60	2.68	2.62	2.66	.047	.005	.005	.002	.91	.94	.92	.93	39,656	32,371	187,174	.110	.700	.206	-.08	-.02	-.07				
j. pgcitizen	368	2.46	2.67	2.60	2.66	.050	.005	.005	.002	.97	.95	.95	.94	39,714	32,407	187,377	.000	.005	.000	-.21	-.15	-.21				
19. evalexp	366	3.17	3.18	3.14	3.18	.040	.004	.004	.002	.76	.74	.73	.74	39,998	32,563	188,346	.812	.424	.942	-.01	.04	.00				
20. sameinst	366	3.32	3.24	3.18	3.21	.038	.004	.004	.002	.72	.81	.80	.80	40,214	32,709	189,199	.050	.001	.007	.10	.18	.14				
21. returnexp <sup>1</sup>	372	.929	.884	.882	.879	.0133	.0016	.0018	.0008	--	--	--	--	--	--	--	.007	.005	.003	.16	.16	.17				

# NSSE 2020 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	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:						
														Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020				
1 a. askquest	546	3.00	3.03	3.02	3.05	.037	.004	.004	.002	.88	.88	.88	.88	55,240	43,414	264,081	.555	.625	.172	-.03	-.02	-.06				
b. unpreparedr	540	3.09	2.99	2.97	3.02	.036	.004	.004	.002	.84	.84	.82	.82	54,960	43,231	262,945	.004	.001	.040	.13	.14	.09				
c. attendart	538	1.66	1.73	1.74	1.75	.037	.004	.004	.002	.85	.88	.88	.89	54,832	43,107	262,376	.060	.047	.028	-.08	-.09	-.10				
d. CLaskhelp	535	2.69	2.52	2.50	2.43	.041	.004	.004	.002	.96	.92	.93	.93	54,732	43,061	262,160	.000	.000	.000	.19	.21	.29				
e. CLexplain	532	2.95	2.79	2.78	2.70	.036	.004	.004	.002	.82	.87	.87	.90	543	547	534	.000	.000	.000	.18	.20	.28				
f. CLstudy	529	2.85	2.57	2.52	2.46	.044	.004	.005	.002	1.02	1.00	1.01	1.02	54,313	42,762	260,439	.000	.000	.000	.27	.32	.38				
g. CLproject	525	3.09	2.90	2.88	2.81	.039	.004	.004	.002	.90	.91	.92	.95	54,052	42,586	262,527	.000	.000	.000	.21	.24	.30				
h. present	527	2.70	2.67	2.67	2.67	.042	.004	.005	.002	.96	.97	.97	.98	53,978	42,497	259,072	.545	.542	.468	.03	.03	.03				
2 a. RIintegrate	524	2.93	2.92	2.93	2.91	.038	.004	.004	.002	.86	.85	.83	.85	53,325	42,101	256,577	.847	.897	.626	.01	-.01	.02				
b. RISocietal	521	2.56	2.74	2.75	2.78	.039	.004	.004	.002	.90	.92	.91	.91	53,030	41,930	255,332	.000	.000	.000	-.20	-.20	-.24				
c. RIDiverse	520	2.27	2.57	2.55	2.62	.041	.004	.005	.002	.95	.98	.98	.96	530	533	521	.000	.000	.000	-.31	-.29	-.36				
d. Rlownview	516	2.77	2.84	2.81	2.85	.037	.004	.004	.002	.84	.84	.83	.83	52,091	41,255	251,651	.060	.276	.042	-.08	-.05	-.09				
e. Rlperspect	506	2.83	2.99	2.96	2.99	.037	.004	.004	.002	.84	.81	.81	.80	515	517	507	.000	.001	.000	-.20	-.16	-.19				
f. RInewview	500	2.85	2.96	2.95	2.97	.036	.004	.004	.002	.80	.80	.79	.79	50,595	511	501	.001	.004	.001	-.14	-.13	-.15				
g. RIconnect	495	3.10	3.18	3.18	3.19	.033	.003	.004	.001	.73	.74	.73	.73	504	507	496	.018	.019	.006	-.11	-.11	-.12				
3 a. SFcareer	497	2.63	2.49	2.43	2.45	.043	.004	.005	.002	.97	1.00	.99	.99	49,978	39,896	243,746	.002	.000	.000	.14	.20	.18				
b. SFotherwork	496	2.23	2.03	1.98	1.96	.047	.005	.005	.002	1.04	1.05	1.03	1.02	49,790	507	497	.000	.000	.000	.19	.24	.26				
c. SFdiscuss	491	2.38	2.21	2.17	2.16	.041	.004	.005	.002	.90	.97	.95	.96	49,356	39,471	240,978	.000	.000	.000	.18	.23	.24				
d. SFperform	491	2.38	2.26	2.18	2.22	.040	.004	.005	.002	.90	.94	.92	.93	49,376	39,465	240,981	.005	.000	.000	.13	.21	.18				
4 a. memorize	488	2.72	2.84	2.78	2.76	.041	.004	.004	.002	.90	.87	.88	.88	496	39,217	239,509	.005	.169	.388	-.13	-.06	-.04				
b. HOapply	480	3.12	3.08	3.06	3.07	.036	.004	.004	.002	.78	.80	.80	.79	48,717	39,063	238,498	.280	.132	.154	.05	.07	.07				
c. HOanalyze	479	2.99	3.04	3.01	3.03	.037	.004	.004	.002	.82	.82	.83	.81	48,256	38,709	236,476	.224	.543	.235	-.06	-.03	-.05				
d. HOevaluate	475	2.74	2.92	2.89	2.94	.041	.004	.004	.002	.90	.87	.87	.85	483	485	475	.000	.000	.000	-.21	-.17	-.24				
e. HOform	476	2.84	2.95	2.93	2.96	.037	.004	.004	.002	.82	.84	.83	.82	47,785	38,353	234,480	.005	.023	.002	-.13	-.10	-.15				
5 a. ETgoals	468	3.08	3.15	3.13	3.15	.038	.004	.004	.002	.82	.79	.79	.78	47,416	38,117	233,014	.085	.259	.070	-.08	-.05	-.08				
b. ETorganize	467	2.97	3.06	3.04	3.06	.040	.004	.004	.002	.85	.84	.83	.83	47,269	38,006	232,415	.021	.053	.012	-.11	-.09	-.12				
c. ETexample	468	3.10	3.11	3.09	3.10	.037	.004	.004	.002	.79	.83	.83	.83	478	480	469	.612	.970	.892	-.02	.00	-.01				
d. ETdraftfb	463	2.81	2.79	2.73	2.79	.042	.004	.005	.002	.91	.97	.97	.96	472	475	464	.736	.057	.657	.01	.08	.02				
e. ETfeedback	466	2.86	2.82	2.77	2.83	.040	.004	.005	.002	.87	.92	.91	.91	476	478	467	.250	.025	.364	.05	.10	.04				
6 a. QRconclude	462	2.79	2.70	2.66	2.65	.041	.004	.005	.002	.87	.91	.91	.91	471	473	463	.023	.002	.001	.10	.14	.15				
b. QRproblem	458	2.51	2.46	2.42	2.44	.044	.005	.005	.002	.95	.97	.97	.96	46,040	37,178	227,559	.292	.044	.128	.05	.09	.07				
c. QRevaluate	455	2.49	2.48	2.44	2.44	.041	.004	.005	.002	.88	.93	.92	.92	45,837	37,091	226,874	.860	.235	.286	.01	.06	.05				

# NSSE 2020 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	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:						
														Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020				
7 a. wrshortnum	458	6.31	6.91	7.28	7.69	.298	.030	.034	.014	6.38	6.39	6.50	6.69	45,730	36,926	226,041	.045	.002	.000	-.09	-.15	-.21				
b. wrmednum	456	2.95	3.26	3.36	3.67	.213	.021	.023	.010	4.54	4.36	4.32	4.58	45,540	36,801	225,263	.136	.042	.001	-.07	-.10	-.16				
c. wrlongnum	458	1.84	1.91	1.86	2.02	.189	.018	.019	.008	4.05	3.86	3.65	3.88	45,641	36,877	225,760	.715	.929	.322	-.02	.00	-.05				
— wrpages	456	69.77	74.87	76.24	82.36	4.874	.456	.490	.209	104.05	96.65	93.22	98.91	45,280	36,598	223,932	.263	.142	.007	-.05	-.07	-.13				
8 a. DDrace	455	2.92	3.16	3.03	3.08	.044	.004	.005	.002	.94	.90	.93	.92	45,588	36,811	225,568	.000	.009	.000	-.27	-.12	-.18				
b. DDeconomic	455	2.99	3.14	3.04	3.06	.040	.004	.005	.002	.86	.86	.87	.88	463	466	456	.001	.226	.095	-.16	-.06	-.08				
c. DDreligion	457	2.93	3.05	2.95	2.97	.043	.004	.005	.002	.92	.92	.94	.94	45,491	36,746	225,025	.004	.662	.318	-.14	-.02	-.05				
d. DDpolitical	455	2.99	3.03	2.92	2.92	.042	.004	.005	.002	.90	.92	.93	.94	45,522	466	456	.374	.132	.113	-.04	.07	.07				
9 a. LSreading	453	2.87	3.09	3.05	3.09	.039	.004	.004	.002	.83	.81	.81	.80	45,244	36,554	224,045	.000	.000	.000	-.27	-.22	-.28				
b. LSnotes	451	3.03	2.92	2.82	2.85	.042	.004	.005	.002	.90	.92	.93	.93	45,213	462	452	.007	.000	.000	.13	.23	.20				
c. LSsummary	451	2.98	2.90	2.80	2.85	.040	.004	.005	.002	.85	.90	.91	.90	460	463	452	.046	.000	.001	.09	.20	.14				
10. challenge	450	5.67	5.55	5.50	5.55	.061	.006	.007	.003	1.30	1.32	1.30	1.30	44,903	36,340	222,484	.041	.005	.051	.10	.13	.09				
11 a. intern <sup>l</sup>	446	.578	.490	.500	.481	.0234	.0024	.0026	.0011	--	--	--	--	--	--	--	.000	.001	.000	.18	.16	.19				
b. leader <sup>l</sup>	449	.400	.355	.369	.343	.0232	.0023	.0026	.0010	--	--	--	--	--	--	--	.045	.165	.010	.09	.07	.12				
c. learncom <sup>l</sup>	442	.251	.238	.242	.224	.0207	.0020	.0023	.0009	--	--	--	--	--	--	--	.511	.644	.167	.03	.02	.06				
d. abroad <sup>l</sup>	445	.061	.146	.145	.140	.0114	.0017	.0019	.0007	--	--	--	--	--	--	--	.000	.000	.000	-.29	-.28	-.27				
e. research <sup>l</sup>	443	.264	.250	.236	.227	.0210	.0021	.0022	.0009	--	--	--	--	--	--	--	.487	.163	.066	.03	.07	.09				
f. capstone <sup>l</sup>	444	.541	.438	.441	.444	.0237	.0024	.0026	.0011	--	--	--	--	--	--	--	.000	.000	.000	.21	.20	.19				
12. servcourse	444	1.86	1.74	1.71	1.75	.036	.003	.004	.002	.76	.72	.71	.72	44,401	35,984	220,261	.000	.000	.002	.17	.20	.15				
13 a. QIstudent	439	5.78	5.62	5.56	5.60	.059	.006	.007	.003	1.24	1.32	1.31	1.33	448	451	440	.007	.000	.003	.12	.17	.13				
b. QIadvisor	439	5.46	5.22	5.11	5.29	.078	.008	.010	.004	1.64	1.76	1.79	1.74	448	451	216,710	.003	.000	.042	.13	.19	.10				
c. QIfaculty	439	5.67	5.50	5.45	5.54	.060	.007	.007	.003	1.26	1.40	1.39	1.38	449	451	440	.005	.000	.028	.12	.16	.10				
d. QIstaff	372	5.16	5.03	4.91	5.02	.085	.009	.010	.004	1.65	1.69	1.70	1.70	36,783	29,469	179,169	.135	.004	.093	.08	.15	.09				
e. QIadmin	427	5.03	4.94	4.91	5.02	.082	.009	.009	.004	1.69	1.72	1.71	1.70	41,211	33,386	204,590	.297	.167	.910	.05	.07	.01				
14 a. empstudy	438	3.15	3.13	3.11	3.11	.036	.004	.004	.002	.75	.77	.77	.77	44,132	35,772	219,190	.505	.322	.290	.03	.05	.05				
b. SEacademic	438	2.95	2.93	2.89	2.93	.039	.004	.005	.002	.82	.86	.86	.86	447	449	439	.661	.117	.628	.02	.07	.02				
c. SElearnsup	437	2.65	2.86	2.82	2.86	.046	.005	.005	.002	.95	.95	.93	.94	445	446	438	.000	.000	.000	-.22	-.18	-.22				
d. SEdiverse	438	2.55	2.65	2.55	2.63	.045	.005	.005	.002	.95	.99	1.00	1.00	43,940	450	218,139	.025	.849	.086	-.11	-.01	-.08				
e. SEsocial	438	2.84	2.91	2.81	2.81	.041	.004	.005	.002	.86	.91	.92	.93	43,859	449	439	.140	.371	.362	-.07	.04	.04				
f. SEwellness	439	2.72	2.82	2.72	2.72	.045	.005	.005	.002	.93	.95	.96	.97	43,834	35,535	217,657	.032	.921	.965	-.10	.00	.00				

# NSSE 2020 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	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:						
														Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Southeast Public	Carnegie Class	NSSE 2019 & 2020				
g. SEnonacad	436	2.08	2.13	2.05	2.11	.045	.005	.005	.002	.94	1.00	.97	.99	445	35,475	437	.348	.492	.597	-.04	.03	-.02				
h. SEactivities	436	2.53	2.74	2.57	2.54	.045	.005	.005	.002	.93	.97	.97	1.00	43,717	35,448	437	.000	.347	.872	-.22	-.05	-.01				
i. SEevents	435	2.14	2.36	2.28	2.30	.044	.005	.005	.002	.92	.97	.95	.97	444	446	436	.000	.001	.000	-.24	-.16	-.17				
15 a. SBmyself	433	3.31	3.33	3.31	3.32	.037	.004	.005	.002	.77	.71	.72	.71	31,303	18,918	127,538	.507	.976	.793	-.03	.00	-.01				
b. SBvalued	433	2.88	2.91	2.87	2.93	.043	.005	.006	.002	.89	.86	.86	.85	31,261	18,923	127,411	.495	.769	.183	-.03	.01	-.06				
c. SBcommunity	434	2.99	2.99	2.91	2.96	.040	.005	.006	.002	.83	.84	.85	.83	31,284	18,911	127,468	.844	.046	.440	.01	.10	.04				
16 a. tmprephrs	434	15.81	14.68	15.08	14.95	.439	.042	.047	.019	9.15	8.78	8.80	8.76	43,559	35,375	216,686	.008	.087	.040	.13	.08	.10				
b. tmcocurrhrs	432	5.82	5.20	4.96	4.96	.351	.034	.038	.015	7.30	7.16	7.05	7.18	43,507	35,286	216,298	.072	.012	.013	.09	.12	.12				
c. tmworkonhrs	435	4.13	3.62	4.11	3.63	.356	.036	.040	.015	7.41	7.38	7.51	7.13	43,488	35,325	216,291	.148	.953	.146	.07	.00	.07				
d. tmworkoffhrs	435	10.93	12.37	12.36	13.03	.587	.063	.070	.029	12.24	13.13	13.00	13.39	444	447	436	.015	.016	.000	-.11	-.11	-.16				
— tmworkhrs	434	15.00	15.98	16.45	16.65	.640	.066	.070	.029	13.33	13.61	13.13	13.47	43,330	35,216	215,598	.137	.022	.011	-.07	-.11	-.12				
e. tmservicehrs	435	3.14	3.49	3.09	3.27	.256	.029	.029	.012	5.35	5.93	5.39	5.72	445	35,337	216,335	.166	.863	.618	-.06	.01	-.02				
f. tmrelaxhrs	432	11.98	11.38	11.23	10.93	.412	.041	.044	.018	8.57	8.41	8.26	8.22	43,494	35,337	216,315	.141	.059	.008	.07	.09	.13				
g. tmcarehrs	432	4.56	5.41	5.13	6.27	.447	.051	.055	.024	9.29	10.54	10.23	11.19	442	444	433	.057	.202	.000	-.08	-.06	-.15				
h. tmcommutehrs	435	5.25	5.69	5.18	5.01	.292	.032	.034	.014	6.09	6.67	6.27	6.42	445	35,342	216,384	.135	.816	.451	-.07	.01	.04				
17. reading	435	2.23	2.67	2.71	2.81	.054	.006	.006	.003	1.13	1.18	1.18	1.18	444	446	436	.000	.000	.000	-.37	-.41	-.49				
— tmreadinghrs	433	5.34	6.47	6.80	7.07	.271	.030	.033	.014	5.63	6.10	6.18	6.31	443	445	435	.000	.000	.000	-.18	-.24	-.27				
18 a. pgwrite	432	2.87	2.99	2.94	3.01	.044	.004	.005	.002	.91	.90	.90	.88	43,320	35,213	433	.006	.122	.002	-.13	-.07	-.16				
b. pgspeak	432	2.90	2.96	2.87	2.93	.045	.004	.005	.002	.93	.92	.94	.93	43,286	35,203	215,504	.212	.455	.532	-.06	.04	-.03				
c. pgthink	433	3.34	3.31	3.29	3.31	.035	.004	.004	.002	.72	.78	.80	.78	442	445	434	.335	.090	.271	.04	.07	.05				
d. pganalyze	430	3.12	2.97	2.90	2.90	.042	.005	.005	.002	.87	.95	.97	.97	43,280	442	431	.001	.000	.000	.16	.23	.23				
e. pgwork	430	3.07	2.96	2.92	2.95	.042	.005	.005	.002	.88	.96	.96	.96	440	442	431	.010	.000	.004	.11	.16	.13				
f. pgothers	433	3.10	3.09	3.03	3.05	.040	.004	.005	.002	.84	.87	.89	.89	43,270	35,183	215,497	.899	.092	.284	.01	.08	.05				
g. pgvalues	432	2.84	2.85	2.79	2.86	.046	.005	.005	.002	.95	.99	.99	.98	440	442	215,371	.899	.271	.695	-.01	.05	-.02				
h. pgdiverse	430	2.73	2.89	2.79	2.88	.047	.005	.005	.002	.97	.97	.99	.97	43,280	35,195	215,468	.001	.219	.002	-.17	-.06	-.15				
i. pgprobsolve	430	2.96	2.89	2.83	2.86	.045	.005	.005	.002	.93	.95	.95	.95	438	440	431	.091	.003	.020	.08	.14	.11				
j. pgcitizen	432	2.62	2.74	2.65	2.73	.048	.005	.005	.002	1.01	1.00	1.01	.99	43,325	35,241	215,717	.017	.561	.029	-.12	-.03	-.10				
19. evalexp	436	3.29	3.25	3.19	3.24	.036	.004	.004	.002	.76	.77	.78	.77	43,566	35,400	216,583	.195	.004	.157	.06	.14	.07				
20. sameinst	438	3.26	3.26	3.18	3.23	.039	.004	.005	.002	.81	.84	.85	.85	43,768	35,495	217,257	.900	.041	.368	.01	.10	.04				

### 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  $N$ s due to weighting and whether equal variances were assumed.
- k. Statistical comparisons are two-tailed independent  $t$ -tests or  $z$ -tests. Statistical significance represents the probability that the difference between your students' mean and that of the comparison group is due to chance.
- l. Mean represents the proportion who responded "Done or in progress" or "Yes."