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# Tennessee Technological University

## NSSE 2020 Major Field Report, Part II

### Comparisons to Other Institutions

## Education

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

*The Major Field Report group 'Education' includes the following majors: Business education; Early childhood education; Education (general); Elementary, middle school education; Health science; Kinesiology; Mathematics education; Music or art education; Occupational therapy; Other education; Parks, recreation, leisure studies, sports mgmt.; Physical education; Physical therapy; Rehabilitation sciences; Secondary education; Social studies education; Special education; Speech therapy.*

*Note:*

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

### About Your Major Field Report, Part II

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

#### NSSE results included in MFR, Part II

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

### Related-Major Groups

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

### Sample

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

### Class

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

### Technical Requirements

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

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

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

### Engagement Indicators: Overview

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

Use the following key:

- ▲ **Your students' average** was significantly higher ( $p < .05$ ) with an effect size at least .3 in magnitude.
- △ **Your students' average** was significantly higher ( $p < .05$ ) with an effect size less than .3 in magnitude.
- No significant difference.
- ▼ **Your students' average** was significantly lower ( $p < .05$ ) with an effect size less than .3 in magnitude.
- ▽ **Your students' average** was significantly lower ( $p < .05$ ) with an effect size at least .3 in magnitude.

Theme	Engagement Indicator	First-Year Students in Education			Seniors in Education		
		Your first-year students compared with Southeast Public	Your first-year students compared with Carnegie Class	Your first-year students compared with NSSE 2019 & 2020	Your seniors compared with Southeast Public	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2019 & 2020
Academic Challenge	<b>Higher-Order Learning</b>	--	--	--	--	--	--
	<b>Reflective &amp; Integrative Learning</b>	--	--	--	--	--	--
	<b>Learning Strategies</b>	▲	▲	▲	--	△	--
	<b>Quantitative Reasoning</b>	--	--	--	--	--	--
Learning with Peers	<b>Collaborative Learning</b>	△	--	△	▲	▲	▲
	<b>Discussions with Diverse Others</b>	--	▲	▲	--	--	--
Experiences with Faculty	<b>Student-Faculty Interaction</b>	▲	▲	▲	△	▲	▲
	<b>Effective Teaching Practices</b>	--	--	--	△	▲	△
Campus Environment	<b>Quality of Interactions</b>	△	▲	--	△	▲	△
	<b>Supportive Environment</b>	--	--	--	--	--	--

## First-year students<sup>a</sup> in Education

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
Tennessee Tech (N = 64)	35.9	13.4	1.68	20	25	40	45	60				
Southeast Public	37.9	13.3	.20	20	30	40	45	60	4,331	-2.0		-.150
Carnegie Class	37.3	12.7	.20	20	30	40	45	60	3,944	-1.5		-.117
NSSE 2019 & 2020	37.8	12.9	.08	20	30	40	45	60	27,083	-2.0		-.154
<b>Reflective &amp; Integrative Learning</b>												
Tennessee Tech (N = 65)	35.1	12.4	1.54	17	26	34	43	60				
Southeast Public	34.7	12.0	.18	17	26	34	43	57	4,379	.4		.035
Carnegie Class	35.4	11.3	.18	17	29	34	43	57	3,985	-.3		-.026
NSSE 2019 & 2020	35.4	11.5	.07	17	29	34	43	57	27,403	-.3		-.023
<b>Learning Strategies</b>												
Tennessee Tech (N = 65)	44.1	12.5	1.55	20	40	40	53	60				
Southeast Public	39.8	13.6	.21	20	33	40	53	60	4,336	4.3	*	.315
Carnegie Class	38.6	13.3	.21	20	27	40	47	60	3,960	5.5	***	.414
NSSE 2019 & 2020	39.2	13.5	.08	20	27	40	47	60	27,148	4.9	**	.362
<b>Quantitative Reasoning</b>												
Tennessee Tech (N = 63)	30.9	19.1	2.41	0	20	27	47	60				
Southeast Public	27.1	15.4	.24	0	20	27	40	60	63	3.8		.246
Carnegie Class	26.3	14.8	.24	0	20	27	40	53	63	4.6		.307
NSSE 2019 & 2020	26.3	15.0	.09	0	20	27	40	60	62	4.6		.306
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
Tennessee Tech (N = 65)	37.4	14.0	1.73	15	30	35	50	60				
Southeast Public	34.0	13.6	.21	15	25	35	45	60	4,371	3.4	*	.249
Carnegie Class	34.5	13.4	.21	15	25	35	45	60	3,969	2.8		.213
NSSE 2019 & 2020	33.1	14.4	.09	10	25	35	40	60	27,315	4.3	*	.296
<b>Discussions with Diverse Others</b>												
Tennessee Tech (N = 65)	43.9	16.1	2.00	20	30	45	60	60				
Southeast Public	40.9	15.5	.24	15	30	40	55	60	4,349	3.0		.193
Carnegie Class	38.7	15.0	.24	15	30	40	50	60	3,960	5.2	**	.344
NSSE 2019 & 2020	39.1	15.5	.09	15	30	40	50	60	27,157	4.8	*	.312

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Engagement Indicators: Education

### Tennessee Technological University

#### First-year students<sup>a</sup> in Education

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
Tennessee Tech (N = 62)	29.8	15.6	1.98	10	15	28	40	60				
Southeast Public	23.5	14.8	.23	0	15	20	35	55	4,334	6.2	**	.421
Carnegie Class	22.2	14.4	.23	0	10	20	30	50	3,942	7.6	***	.525
NSSE 2019 & 2020	23.2	14.5	.09	0	15	20	30	50	27,118	6.5	***	.449
<b>Effective Teaching Practices</b>												
Tennessee Tech (N = 65)	38.8	15.5	1.92	16	28	40	48	60				
Southeast Public	38.3	13.3	.20	16	28	40	48	60	4,375	.5		.037
Carnegie Class	37.4	12.7	.20	16	28	36	44	60	65	1.4		.112
NSSE 2019 & 2020	39.0	13.0	.08	20	32	40	48	60	64	-.1		-.010
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
Tennessee Tech (N = 61)	47.0	9.4	1.20	30	40	48	54	60				
Southeast Public	43.6	11.7	.18	22	36	44	52	60	63	3.4	**	.287
Carnegie Class	43.2	11.3	.18	22	36	44	52	60	3,825	3.7	*	.331
NSSE 2019 & 2020	44.1	11.5	.07	22	38	46	52	60	26,241	2.9		.250
<b>Supportive Environment</b>												
Tennessee Tech (N = 64)	38.2	15.9	1.99	15	21	40	53	60				
Southeast Public	38.1	13.4	.20	18	28	40	48	60	64	.2		.012
Carnegie Class	36.7	13.0	.21	15	28	38	45	60	64	1.5		.114
NSSE 2019 & 2020	37.3	13.2	.08	15	28	38	48	60	63	1.0		.072

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Engagement Indicators: Education

### Tennessee Technological University

#### Seniors<sup>a</sup> in Education

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
Tennessee Tech (N = 83)	39.7	14.3	1.57	15	35	40	50	60				
Southeast Public	40.7	13.6	.19	20	30	40	50	60	5,089	-1.0		-.077
Carnegie Class	40.0	13.2	.21	20	30	40	50	60	4,156	-.3		-.023
NSSE 2019 & 2020	40.5	13.2	.07	20	30	40	50	60	31,781	-.8		-.062
<b>Reflective &amp; Integrative Learning</b>												
Tennessee Tech (N = 83)	38.6	12.7	1.40	20	29	37	49	60				
Southeast Public	39.4	12.3	.17	20	31	40	49	60	5,168	-.8		-.065
Carnegie Class	39.7	11.7	.18	20	31	40	49	60	4,202	-1.1		-.091
NSSE 2019 & 2020	39.5	11.9	.07	20	31	40	49	60	32,114	-.9		-.078
<b>Learning Strategies</b>												
Tennessee Tech (N = 84)	42.5	15.3	1.67	13	33	40	57	60				
Southeast Public	41.3	14.1	.20	20	33	40	53	60	5,123	1.3		.089
Carnegie Class	38.9	14.2	.22	13	27	40	47	60	4,169	3.7	*	.260
NSSE 2019 & 2020	39.7	14.3	.08	20	27	40	53	60	31,844	2.9		.200
<b>Quantitative Reasoning</b>												
Tennessee Tech (N = 82)	28.6	15.4	1.70	0	20	27	40	60				
Southeast Public	28.2	16.3	.23	0	20	27	40	60	5,101	.4		.024
Carnegie Class	26.2	16.1	.25	0	13	27	40	60	4,149	2.4		.151
NSSE 2019 & 2020	26.7	16.1	.09	0	20	27	40	60	31,702	1.9		.117
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
Tennessee Tech (N = 84)	41.7	14.2	1.55	20	35	43	55	60				
Southeast Public	36.5	14.2	.20	15	25	35	45	60	5,153	5.1	**	.362
Carnegie Class	36.5	13.9	.22	15	25	35	45	60	4,189	5.2	***	.369
NSSE 2019 & 2020	34.7	15.0	.08	10	25	35	45	60	31,962	7.0	***	.464
<b>Discussions with Diverse Others</b>												
Tennessee Tech (N = 82)	39.5	14.6	1.61	20	30	40	50	60				
Southeast Public	42.5	15.5	.22	20	35	40	60	60	5,110	-3.0		-.194
Carnegie Class	39.3	15.3	.24	15	30	40	55	60	4,158	.2		.014
NSSE 2019 & 2020	40.0	15.4	.09	15	30	40	55	60	31,789	-.5		-.033

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Engagement Indicators: Education

### Tennessee Technological University

#### Seniors<sup>a</sup> in Education

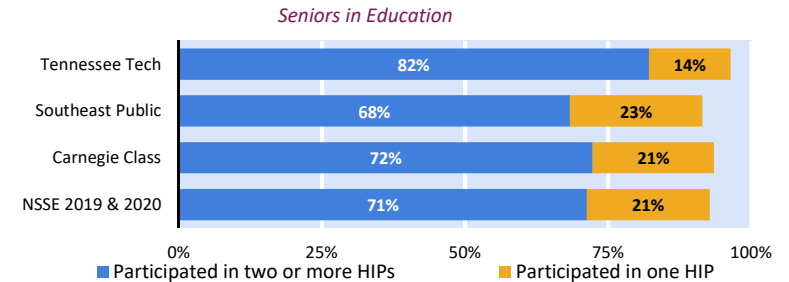
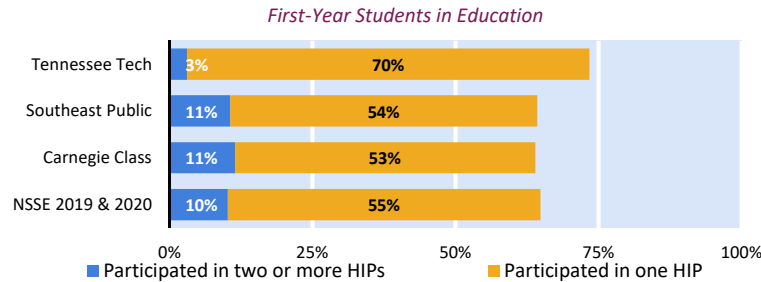
	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
Tennessee Tech (N = 84)	32.7	14.0	1.52	15	20	30	45	60				
Southeast Public	28.4	16.4	.23	5	15	25	40	60	87	4.3	**	.264
Carnegie Class	27.0	15.9	.25	5	15	25	40	60	4,149	5.8	***	.364
NSSE 2019 & 2020	27.5	15.9	.09	5	15	25	40	60	31,778	5.3	**	.331
<b>Effective Teaching Practices</b>												
Tennessee Tech (N = 84)	44.4	15.4	1.68	20	32	48	60	60				
Southeast Public	40.6	14.2	.20	16	32	40	52	60	5,158	3.7	*	.262
Carnegie Class	40.1	13.3	.21	20	32	40	52	60	86	4.2	*	.318
NSSE 2019 & 2020	40.9	13.5	.08	20	32	40	52	60	83	3.5	*	.258
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
Tennessee Tech (N = 83)	46.7	10.5	1.15	28	38	48	55	60				
Southeast Public	43.5	12.0	.17	22	36	44	52	60	4,935	3.2	*	.266
Carnegie Class	42.5	11.5	.18	20	36	44	50	60	4,007	4.2	**	.363
NSSE 2019 & 2020	44.0	11.5	.07	23	38	46	52	60	30,593	2.6	*	.229
<b>Supportive Environment</b>												
Tennessee Tech (N = 84)	34.2	13.7	1.50	13	26	35	40	60				
Southeast Public	35.2	14.1	.20	13	25	35	45	60	5,128	-1.0		-.071
Carnegie Class	33.4	13.6	.21	10	23	33	43	58	4,169	.8		.062
NSSE 2019 & 2020	33.9	13.7	.08	13	25	35	43	60	31,929	.3		.025

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## High-Impact Practices: Education Tennessee Technological University

### Overall HIP Participation<sup>a,h</sup>

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



### Statistical Comparisons

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

	<i>Your students' participation compared with:</i>							
	Tennessee Tech	Southeast Public		Carnegie Class		NSSE 2019 & 2020		
<i>First-Year Students in Education</i>	%	Difference <sup>i</sup>	ES <sup>j</sup>	Difference <sup>i</sup>	ES <sup>j</sup>	Difference <sup>i</sup>	ES <sup>j</sup>	
<b>12. Service-Learning</b>	70	+10	.22	+13	*	+10	.20	
<b>11c. Learning Community</b>	6	-6	-.21	-9	*	-6	-.20	
<b>11e. Research with Faculty</b>	2	-2	-.15	-2		-2	-.13	
<b>Participated in at least one</b>	73	+9	.20	+9	.20	+9	.19	
<b>Participated in two or more</b>	3	-7	-.31	-8	*	-7	-.29	
<i>Seniors in Education</i>								
<b>12. Service-Learning</b>	90	+15	**.40	+14	**.38	+13	**.37	
<b>11c. Learning Community</b>	39	+6	.13	+4	.09	+7	.14	
<b>11e. Research with Faculty</b>	13	-6	-.16	-8	-.22	-6	-.17	
<b>11a. Internship or Field Exp.</b>	83	+20	***.47	+20	***.45	+20	***.45	
<b>11d. Study Abroad</b>	1	-9	**.42	-15	***.61	-12	**.51	
<b>11f. Culminating Senior Exp.</b>	46	+7	.14	+8	.16	+3	.06	
<b>Participated in at least one</b>	96	+5	.21	+3	.13	+4	.17	
<b>Participated in two or more</b>	82	+14	**.32	+10	*.24	+11	*.26	





# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### First-Year Students<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
												Your first-year students compared with							
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
f. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	6	9	482	11	425	11	3,846	14	2.8	2.6	.21	2.7	.19	2.6 *	.28	
		2	Sometimes	18	28	1,471	34	1,299	33	9,073	33								
		3	Often	21	32	1,481	34	1,371	35	9,198	34								
		4	Very often	20	31	902	21	833	21	5,314	19								
		Total		65	100	4,336	100	3,928	100	27,431	100								
g. Worked with other students on course projects or assignments	CLproject	1	Never	3	5	287	7	208	5	2,350	9	2.8	2.7	.18	2.7	.15	2.7	.19	
		2	Sometimes	18	28	1,561	36	1,406	36	9,259	34								
		3	Often	30	46	1,676	39	1,570	40	10,661	39								
		4	Very often	14	22	816	19	742	19	5,146	19								
		Total		65	100	4,340	100	3,926	100	27,416	100								
h. Given a course presentation	present	1	Never	3	5	918	21	665	17	4,709	17	2.7	2.3 ***	.44	2.3 ***	.43	2.4 **	.35	
		2	Sometimes	29	45	1,807	42	1,810	46	11,539	42								
		3	Often	19	29	1,127	26	1,039	26	7,800	28								
		4	Very often	14	22	488	11	413	11	3,384	12								
		Total		65	100	4,340	100	3,927	100	27,432	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	1	2	420	10	262	7	2,150	8	2.7	2.5 *	.22	2.6	.15	2.6	.18	
		2	Sometimes	24	37	1,769	41	1,534	39	10,907	40								
		3	Often	31	48	1,506	35	1,565	40	10,274	38								
		4	Very often	9	14	641	15	565	14	4,048	15								
		Total		65	100	4,336	100	3,926	100	27,379	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	5	8	453	10	309	8	2,197	8	2.5	2.5	.02	2.6	-.06	2.6	-.07	
		2	Sometimes	26	40	1,757	41	1,560	40	10,855	40								
		3	Often	28	43	1,523	35	1,481	38	10,225	37								
		4	Very often	6	9	603	14	571	15	4,104	15								
		Total		65	100	4,336	100	3,921	100	27,381	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	8	12	480	11	362	9	2,522	9	2.5	2.6	-.12	2.6	-.15	2.6	-.16	
		2	Sometimes	27	42	1,620	37	1,504	38	10,523	38								
		3	Often	22	34	1,519	35	1,442	37	9,779	36								
		4	Very often	8	12	708	16	618	16	4,567	17								
		Total		65	100	4,327	100	3,926	100	27,391	100								





# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### First-Year Students<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	4	6	148	3	159	4	862	3	<b>2.8</b>	2.9	-.12	2.9	-.06	2.9	-.12	
		2	Some	19	29	1,174	27	1,083	28	7,300	27								
		3	Quite a bit	28	43	1,972	46	1,851	47	12,905	47								
		4	Very much	14	22	1,014	24	820	21	6,197	23								
		Total		65	100	4,308	100	3,913	100	27,264	100								
<b>5. During the current school year, to what extent have your instructors done the following?</b>																			
a. Clearly explained course goals and requirements	ETgoals	1	Very little	3	5	89	2	78	2	473	2	<b>3.1</b>	3.1	.01	3.0	.03	3.1	-.02	
		2	Some	11	17	924	21	842	22	5,521	20								
		3	Quite a bit	29	45	1,967	46	1,828	47	12,612	46								
		4	Very much	21	33	1,336	31	1,162	30	8,664	32								
		Total		64	100	4,316	100	3,910	100	27,270	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	5	8	182	4	170	4	1,049	4	<b>2.9</b>	3.0	-.10	3.0	-.08	3.0	-.14	
		2	Some	16	25	979	23	873	22	5,692	21								
		3	Quite a bit	25	38	1,905	44	1,828	47	12,542	46								
		4	Very much	19	29	1,233	29	1,043	27	7,948	29								
		Total		65	100	4,299	100	3,914	100	27,231	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	3	5	131	3	116	3	858	3	<b>3.1</b>	3.0	.05	3.0	.10	3.0	.05	
		2	Some	13	20	977	23	951	24	6,076	22								
		3	Quite a bit	26	40	1,855	43	1,724	44	11,849	43								
		4	Very much	23	35	1,341	31	1,122	29	8,457	31								
		Total		65	100	4,304	100	3,913	100	27,240	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	6	9	285	7	306	8	1,639	6	<b>3.0</b>	2.8	.19	2.8 *	.28	2.9	.15	
		2	Some	13	20	1,301	30	1,232	31	7,681	28								
		3	Quite a bit	21	32	1,590	37	1,501	38	10,471	38								
		4	Very much	25	38	1,128	26	874	22	7,462	27								
		Total		65	100	4,304	100	3,913	100	27,253	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	9	14	396	9	389	10	2,084	8	<b>2.7</b>	2.7	-.03	2.6	.07	2.8	-.09	
		2	Some	18	28	1,427	33	1,385	35	8,488	31								
		3	Quite a bit	23	35	1,535	36	1,471	38	10,569	39								
		4	Very much	15	23	952	22	669	17	6,136	22								
		Total		65	100	4,310	100	3,914	100	27,277	100								

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### First-Year Students<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</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	8	12	497	12	491	13	3,376	12	2.7	2.5	.19	2.5	.24	2.5	.24	
		2	Sometimes	21	32	1,687	39	1,569	40	11,052	41								
		3	Often	20	31	1,539	36	1,387	35	9,489	35								
		4	Very often	16	25	581	13	465	12	3,315	12								
			Total	65	100	4,304	100	3,912	100	27,232	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	16	25	878	20	855	22	5,774	21	2.4	2.3	.18	2.2	.24	2.2	.23	
		2	Sometimes	17	27	1,764	41	1,627	42	11,498	42								
		3	Often	16	25	1,213	28	1,086	28	7,463	27								
		4	Very often	14	22	443	10	335	9	2,463	9								
			Total	63	100	4,298	100	3,903	100	27,198	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	13	20	870	20	743	19	5,572	21	2.5	2.3	.25	2.3	.28	2.2 *	.30	
		2	Sometimes	19	29	1,795	42	1,719	44	11,864	44								
		3	Often	21	32	1,246	29	1,127	29	7,536	28								
		4	Very often	12	18	394	9	303	8	2,205	8								
			Total	65	100	4,305	100	3,892	100	27,177	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	0	None	11	17	367	9	209	5	1,494	5	5.9	5.7	.02	6.7	-.15	6.6	-.13	
	(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	13	20	1,006	23	780	20	5,408	20								
		4	3-5	13	20	1,418	33	1,240	32	8,921	33								
		8	6-10	17	26	860	20	906	23	6,159	23								
		13	11-15	7	11	372	9	401	10	2,823	10								
		18	16-20	2	3	139	3	168	4	1,167	4								
		23	More than 20	2	3	142	3	200	5	1,267	5								
			Total	65	100	4,304	100	3,904	100	27,239	100								
b. Between 6 and 10 pages	wrmednum	0	None	37	57	1,990	46	1,363	35	9,824	36	1.6	1.9	-.08	2.3	-.21	2.2	-.19	
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	14	22	1,355	32	1,435	37	9,993	37								
		4	3-5	8	12	588	14	713	18	4,832	18								
		8	6-10	5	8	264	6	287	7	1,815	7								
		13	11-15	1	2	75	2	77	2	485	2								
		18	16-20	0	0	14	0	11	0	129	0								
		23	More than 20	0	0	13	0	14	0	117	0								
			Total	65	100	4,299	100	3,900	100	27,195	100								

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### First-Year Students<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
c. 11 pages or more	wrlongnum	0	None	53	82	3,501	81	3,029	77	21,114	78	<b>.8</b>	.8	.03	.8	.02	.8	.00	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	7	11	511	12	629	16	4,210	15								
	4	3-5	3	5	127	3	118	3	890	3									
	8	6-10	0	0	85	2	64	2	490	2									
	13	11-15	1	2	57	1	48	1	350	1									
	18	16-20	1	2	17	0	8	0	75	0									
	23	More than 20	0	0	11	0	14	0	104	0									
	Total			65	100	4,309	100	3,910	100	27,233	100								
Estimated number of assigned pages of student writing.	wpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									<b>43.0</b>	43.1	.00	49.4	-.10	49.3	-.10	
<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	3	5	171	4	188	5	1,358	5	<b>3.2</b>	3.1	.06	3.0	.20	3.0	.18	
		2	Sometimes	12	18	922	21	1,046	27	6,975	26								
		3	Often	21	32	1,434	33	1,303	33	9,045	33								
		4	Very often	29	45	1,780	41	1,375	35	9,867	36								
			Total	65	100	4,307	100	3,912	100	27,245	100								
b. People from an economic background other than your own	DDeconomic	1	Never	2	3	159	4	160	4	1,230	5	<b>3.3</b>	3.1	.21	3.0 *	.30	3.0 *	.30	
		2	Sometimes	11	17	946	22	972	25	6,598	24								
		3	Often	20	31	1,575	37	1,478	38	10,224	38								
		4	Very often	32	49	1,622	38	1,303	33	9,164	34								
			Total	65	100	4,302	100	3,913	100	27,216	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	2	3	259	6	333	9	1,895	7	<b>3.1</b>	3.0	.14	2.8 *	.28	2.9	.23	
		2	Sometimes	15	23	1,109	26	1,129	29	7,701	28								
		3	Often	22	34	1,423	33	1,264	32	9,040	33								
		4	Very often	26	40	1,516	35	1,190	30	8,617	32								
			Total	65	100	4,307	100	3,916	100	27,253	100								
d. People with political views other than your own	DDpolitical	1	Never	1	2	234	5	214	5	1,755	6	<b>3.2</b>	3.0 *	.27	2.9 **	.37	2.9 **	.36	
		2	Sometimes	14	22	1,050	24	1,105	28	7,460	27								
		3	Often	18	28	1,482	34	1,403	36	9,472	35								
		4	Very often	32	49	1,544	36	1,194	30	8,574	31								
			Total	65	100	4,310	100	3,916	100	27,261	100								







# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### First-Year Students<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>									
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Your first-year students compared with		Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
													Mean	Effect size <sup>n</sup>							
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																					
a. Students	QIstudent	1	Poor	0	0	54	1	46	1	318	1	<b>5.9</b>	5.5 **	.29	5.5 **	.30	5.6 **	.28	▲	▲	
		2		1	2	81	2	59	2	423	2										
		3		0	0	174	4	155	4	1,094	4										
		4		5	8	479	11	397	10	2,839	10										
		5		14	22	1,131	26	1,088	28	7,042	26										
		6		20	31	1,139	26	1,129	29	7,414	27										
		7	Excellent	23	36	1,213	28	1,012	26	7,490	27										
		—	Not applicable	1	2	35	1	22	1	617	2										
		Total		64	100	4,306	100	3,908	100	27,237	100										
b. Academic advisors	QIadvisor	1	Poor	0	0	99	2	95	2	610	2	<b>5.9</b>	5.5 **	.31	5.4 **	.36	5.5 **	.30	▲	▲	
		2		1	2	167	4	150	4	918	3										
		3		3	5	264	6	223	6	1,651	6										
		4		5	8	501	12	506	13	3,219	12										
		5		10	16	838	20	795	20	5,244	19										
		6		15	23	907	21	867	22	5,928	22										
		7	Excellent	29	45	1,472	34	1,190	31	9,261	34										
		—	Not applicable	1	2	48	1	73	2	364	1										
		Total		64	100	4,296	100	3,899	100	27,195	100										
c. Faculty	QIfaculty	1	Poor	0	0	61	1	47	1	315	1	<b>5.8</b>	5.4 **	.32	5.4 **	.33	5.5	.25	▲	▲	
		2		1	2	115	3	95	2	561	2										
		3		0	0	228	5	208	5	1,268	5										
		4		5	8	569	13	507	13	3,236	12										
		5		19	30	1,107	26	1,059	27	6,875	25										
		6		17	27	1,166	27	1,108	28	7,704	28										
		7	Excellent	21	33	1,023	24	849	22	7,009	26										
		—	Not applicable	1	2	28	1	32	1	232	1										
		Total		64	100	4,297	100	3,905	100	27,200	100										

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### First-Year Students<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	2	3	110	3	93	2	709	3	5.3	5.3	.02	5.2	.07	5.3	.02	
		2		1	2	156	4	133	3	856	3								
		3		3	5	276	6	264	7	1,634	6								
		4		10	16	554	13	530	14	3,397	12								
		5		12	19	877	20	873	22	5,857	22								
		6		14	22	934	22	890	23	5,998	22								
		7	Excellent	15	23	1,057	25	816	21	6,434	24								
		—	Not applicable	7	11	333	8	308	8	2,335	9								
Total				64	100	4,297	100	3,907	100	27,220	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	3	5	139	3	99	3	739	3	5.3	5.1	.08	5.1	.11	5.2	.02	
		2		1	2	182	4	170	4	983	4								
		3		3	5	297	7	278	7	1,773	7								
		4		5	8	585	14	509	13	3,556	13								
		5		20	31	958	22	941	24	5,916	22								
		6		13	20	915	21	838	21	6,026	22								
		7	Excellent	15	23	985	23	774	20	6,620	24								
		—	Not applicable	4	6	244	6	302	8	1,628	6								
Total				64	100	4,305	100	3,911	100	27,241	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	2	3	49	1	50	1	337	1	3.2	3.1	.12	3.1	.09	3.1	.11	
		2	Some	11	17	809	19	682	17	4,918	18								
		3	Quite a bit	24	38	2,116	49	1,914	49	13,511	50								
		4	Very much	27	42	1,325	31	1,257	32	8,446	31								
		Total				64	100	4,299	100	3,903	100								27,212
b. Providing support to help students succeed academically	SEacademic	1	Very little	2	3	149	3	127	3	788	3	3.0	3.1	-.02	3.1	-.01	3.1	-.07	
		2	Some	15	23	898	21	787	20	5,211	19								
		3	Quite a bit	25	39	1,781	41	1,740	45	11,558	43								
		4	Very much	22	34	1,464	34	1,244	32	9,599	35								
		Total				64	100	4,292	100	3,898	100								27,156
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	4	6	193	4	174	4	1,308	5	3.0	3.2	-.16	3.1	-.13	3.1	-.15	
		2	Some	15	23	757	18	697	18	4,580	17								
		3	Quite a bit	21	33	1,556	36	1,479	38	10,081	37								
		4	Very much	24	38	1,795	42	1,552	40	11,215	41								
		Total				64	100	4,301	100	3,902	100								27,184





# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education Tennessee Technological University

### First-Year Students<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Your first-year students compared with				
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
c. Working for pay on campus	tmworkonhrs	0	0 hrs	48	76	3,526	82	2,973	76	20,913	77	2.8	2.2	.11	2.9	-.02	2.5	.05
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	2	135	3	127	3	1,428	5							
	8	6-10 hrs	7	11	202	5	288	7	2,049	8								
	13	11-15 hrs	5	8	207	5	234	6	1,400	5								
	18	16-20 hrs	1	2	130	3	192	5	862	3								
	23	21-25 hrs	0	0	51	1	50	1	303	1								
	28	26-30 hrs	0	0	17	0	22	1	95	0								
	33	More than 30 hrs	1	2	21	0	13	0	110	0								
	Total		63	100	4,289	100	3,899	100	27,160	100								
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	27	42	2,682	62	2,588	66	16,963	62	10.1	6.2 **	.40	5.0 ***	.58	6.3 **	.38
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	4	6	229	5	220	6	1,571	6							
	8	6-10 hrs	6	9	268	6	249	6	1,762	6								
	13	11-15 hrs	9	14	275	6	265	7	1,717	6								
	18	16-20 hrs	5	8	311	7	239	6	1,740	6								
	23	21-25 hrs	3	5	223	5	157	4	1,206	4								
	28	26-30 hrs	4	6	128	3	81	2	699	3								
	33	More than 30 hrs	6	9	176	4	96	2	1,537	6								
	Total		64	100	4,292	100	3,895	100	27,195	100								
Estimated number of hours working for pay	tmworkhrs										13.0	8.3 **	.41	7.9 **	.49	8.7 *	.38	
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	30	47	2,054	48	1,969	50	14,142	52	3.6	3.2	.08	2.8	.18	2.8	.18
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	20	31	1,511	35	1,420	36	9,365	34							
	8	6-10 hrs	7	11	372	9	275	7	1,913	7								
	13	11-15 hrs	5	8	168	4	119	3	876	3								
	18	16-20 hrs	1	2	91	2	53	1	448	2								
	23	21-25 hrs	0	0	54	1	31	1	225	1								
	28	26-30 hrs	0	0	15	0	13	0	70	0								
	33	More than 30 hrs	1	2	26	1	23	1	145	1								
	Total		64	100	4,291	100	3,903	100	27,184	100								

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### First-Year Students<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Your first-year students compared with				
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	82	2	44	1	486	2	11.5	12.4	-.10	12.1	-.07	12.0	-.05
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	15	23	860	20	793	20	5,904	22							
	8	6-10 hrs	24	38	1,150	27	1,125	29	7,555	28								
	13	11-15 hrs	13	20	939	22	866	22	5,710	21								
	18	16-20 hrs	1	2	614	14	524	13	3,716	14								
	23	21-25 hrs	3	5	262	6	229	6	1,650	6								
	28	26-30 hrs	4	6	105	2	105	3	650	2								
	33	More than 30 hrs	4	6	278	6	211	5	1,505	6								
	Total			64	100	4,290	100	3,897	100	27,176	100							
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	40	63	3,296	77	3,061	79	19,969	74	3.9	2.5	.20	2.0	.33	3.2	.08
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	11	17	441	10	402	10	3,039	11							
	8	6-10 hrs	5	8	167	4	167	4	1,231	5								
	13	11-15 hrs	3	5	156	4	114	3	833	3								
	18	16-20 hrs	2	3	73	2	48	1	493	2								
	23	21-25 hrs	0	0	46	1	31	1	275	1								
	28	26-30 hrs	0	0	19	0	14	0	134	0								
	33	More than 30 hrs	3	5	101	2	56	1	1,190	4								
	Total			64	100	4,299	100	3,893	100	27,164	100							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	20	31	1,586	37	1,579	40	12,963	48	6.5	4.7	.27	4.2 *	.37	3.7 **	.46
	(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	18	28	1,578	37	1,438	37	8,667	32							
	8	6-10 hrs	14	22	557	13	466	12	2,896	11								
	13	11-15 hrs	5	8	281	7	183	5	1,230	5								
	18	16-20 hrs	2	3	113	3	90	2	598	2								
	23	21-25 hrs	1	2	63	1	53	1	293	1								
	28	26-30 hrs	1	2	23	1	21	1	112	0								
	33	More than 30 hrs	3	5	93	2	72	2	442	2								
	Total			64	100	4,294	100	3,902	100	27,201	100							





# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education Tennessee Technological University

### First-Year Students<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Your first-year students compared with				
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>		Effect size <sup>n</sup>		
														Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
b. Speaking clearly and effectively	pgspeak	1	Very little	5	8	345	8	374	10	2,145	8	<b>3.0</b>	2.8	.23	2.7 **	.34	2.8 *	.27
		2	Some	11	17	1,206	28	1,199	31	8,006	29							
		3	Quite a bit	27	42	1,723	40	1,546	40	11,126	41							
		4	Very much	21	33	1,017	24	775	20	5,897	22							
		Total		64	100	4,291	100	3,894	100	27,174	100							
c. Thinking critically and analytically	pgthink	1	Very little	2	3	103	2	81	2	612	2	<b>3.2</b>	3.1	.20	3.1	.22	3.1	.20
		2	Some	7	11	859	20	776	20	5,173	19							
		3	Quite a bit	29	45	1,919	45	1,851	47	12,716	47							
		4	Very much	26	41	1,411	33	1,189	31	8,677	32							
		Total		64	100	4,292	100	3,897	100	27,178	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	8	13	458	11	528	14	3,724	14	<b>2.8</b>	2.6	.18	2.6 *	.28	2.6 *	.27
		2	Some	15	23	1,433	33	1,367	35	9,378	35							
		3	Quite a bit	22	34	1,572	37	1,323	34	9,298	34							
		4	Very much	19	30	829	19	675	17	4,780	18							
		Total		64	100	4,292	100	3,893	100	27,180	100							
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	4	6	470	11	433	11	2,764	10	<b>3.0</b>	2.7 **	.34	2.7 **	.39	2.7 **	.32
		2	Some	14	22	1,321	31	1,254	32	8,247	30							
		3	Quite a bit	23	36	1,545	36	1,419	36	10,102	37							
		4	Very much	23	36	959	22	790	20	6,082	22							
		Total		64	100	4,295	100	3,896	100	27,195	100							
f. Working effectively with others	pgothers	1	Very little	5	8	210	5	204	5	1,243	5	<b>3.1</b>	3.0	.14	2.9	.19	3.0	.14
		2	Some	8	13	998	23	952	24	6,313	23							
		3	Quite a bit	28	44	1,859	43	1,696	44	11,946	44							
		4	Very much	23	36	1,228	29	1,044	27	7,672	28							
		Total		64	100	4,295	100	3,896	100	27,174	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	5	8	362	8	326	8	2,091	8	<b>3.0</b>	2.8	.17	2.8	.18	2.8	.16
		2	Some	12	19	1,177	27	1,107	28	7,476	28							
		3	Quite a bit	28	44	1,713	40	1,518	39	11,003	41							
		4	Very much	19	30	1,036	24	941	24	6,597	24							
		Total		64	100	4,288	100	3,892	100	27,167	100							



# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### Seniors<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>															
				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Your seniors compared with			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count		Count		Count		Count		Mean	Mean	Effect size <sup>n</sup>		Effect size <sup>n</sup>		Effect size <sup>n</sup>									
				%	%	%	%	%	%	Mean	Mean			Mean	Mean	Mean	Mean										
<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	1	1	91	2	65	2	563	2	<b>3.3</b>	3.2	.12	3.1	.16	3.2	.10									
		2	Sometimes	19	23	1,146	22	1,009	24	6,914	22																
		3	Often	20	24	1,666	33	1,329	32	10,500	33																
		4	Very often	44	52	2,199	43	1,718	42	14,070	44																
		Total		84	100	5,102	100	4,121	100	32,047	100																
b. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	5	6	335	7	252	6	1,807	6	<b>3.2</b>	3.1	.18	3.0 *	.28	3.1	.18									
		2	Often	6	7	575	11	581	14	3,847	12																
		3	Sometimes	39	46	2,607	51	2,253	55	16,736	52																
		4	Never	34	40	1,580	31	1,035	25	9,648	30																
		Total		84	100	5,097	100	4,121	100	32,038	100																
c. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendant	1	Never	50	60	2,566	50	1,823	44	14,774	46	<b>1.6</b>	1.7	-.12	1.8 *	-.22	1.8	-.19									
		2	Sometimes	22	26	1,680	33	1,491	36	11,296	35																
		3	Often	5	6	449	9	440	11	3,327	10																
		4	Very often	7	8	405	8	361	9	2,644	8																
		Total		84	100	5,100	100	4,115	100	32,041	100																
d. Asked another student to help you understand course material	CLaskhelp	1	Never	6	7	373	7	290	7	3,453	11	<b>2.9</b>	2.7 *	.25	2.7 *	.25	2.6 **	.35									
		2	Sometimes	23	27	1,981	39	1,551	38	12,260	38																
		3	Often	28	33	1,657	32	1,440	35	10,456	33																
		4	Very often	27	32	1,093	21	846	20	5,924	18																
		Total		84	100	5,104	100	4,127	100	32,093	100																
e. Explained course material to one or more students	CLexplain	1	Never	1	1	156	3	110	3	1,841	6	<b>3.1</b>	2.9 *	.23	2.9	.21	2.8 **	.30									
		2	Sometimes	16	19	1,510	30	1,177	29	9,541	30																
		3	Often	41	49	2,083	41	1,735	42	12,805	40																
		4	Very often	26	31	1,363	27	1,104	27	7,899	25																
		Total		84	100	5,112	100	4,126	100	32,086	100																

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### Seniors<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>															
				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Your seniors compared with			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>					
f. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	4	5	569	11	462	11	4,744	15	3.2	2.7 ***	.47	2.7 ***	.51	2.6 ***	.58	▲	▲	▲	▲					
		2	Sometimes	12	14	1,541	30	1,287	31	10,000	31																
		3	Often	32	38	1,672	33	1,393	34	10,121	32																
		4	Very often	36	43	1,322	26	985	24	7,218	22																
		Total		84	100	5,104	100	4,127	100	32,083	100																
g. Worked with other students on course projects or assignments	CLproject	1	Never	5	6	240	5	158	4	2,157	7	3.1	3.0	.19	3.0	.19	2.9 *	.27	▲	▲	▲	▲					
		2	Sometimes	15	18	1,274	25	1,061	26	8,301	26																
		3	Often	27	32	1,970	39	1,614	39	12,228	38																
		4	Very often	37	44	1,622	32	1,295	31	9,403	29																
		Total		84	100	5,106	100	4,128	100	32,089	100																
h. Given a course presentation	present	1	Never	10	12	483	9	332	8	2,948	9	2.8	2.8	.00	2.8	.00	2.8	-.02	▲	▲	▲	▲					
		2	Sometimes	17	20	1,467	29	1,237	30	8,784	27																
		3	Often	36	43	1,693	33	1,438	35	11,183	35																
		4	Very often	21	25	1,463	29	1,119	27	9,179	29																
		Total		84	100	5,106	100	4,126	100	32,094	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	7	8	150	3	109	3	895	3	2.9	3.0	-.12	3.0	-.15	3.0	-.12	▲	▲	▲	▲					
		2	Sometimes	18	22	1,250	24	927	23	7,691	24																
		3	Often	33	40	2,080	41	1,772	43	13,618	42																
		4	Very often	25	30	1,624	32	1,309	32	9,839	31																
		Total		83	100	5,104	100	4,117	100	32,043	100																
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	5	6	258	5	179	4	1,442	4	2.8	2.9	-.02	2.9	-.07	2.9	-.04	▲	▲	▲	▲					
		2	Sometimes	26	31	1,547	30	1,168	28	9,584	30																
		3	Often	30	36	1,946	38	1,659	40	12,562	39																
		4	Very often	23	27	1,353	27	1,117	27	8,468	26																
		Total		84	100	5,104	100	4,123	100	32,056	100																
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	6	7	445	9	307	7	2,278	7	2.7	2.7	.00	2.8	-.03	2.8	-.05	▲	▲	▲	▲					
		2	Sometimes	28	33	1,698	33	1,341	33	10,476	33																
		3	Often	32	38	1,674	33	1,469	36	11,249	35																
		4	Very often	18	21	1,274	25	999	24	8,041	25																
		Total		84	100	5,091	100	4,116	100	32,044	100																



# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education Tennessee Technological University

### Seniors<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>											
				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Your seniors compared with			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</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>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>					
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	7	8	1,114	22	906	22	7,222	23	2.6	2.3 *	.24	2.3 **	.30	2.3 **	.29					
		2	Sometimes	38	45	1,978	39	1,704	41	12,889	40												
		3	Often	24	29	1,226	24	965	23	7,524	24												
		4	Very often	15	18	758	15	533	13	4,309	13												
		Total		84	100	5,076	100	4,108	100	31,944	100												
d. Discussed your academic performance with a faculty member	SFperform	1	Never	9	11	781	15	821	20	5,456	17	2.6	2.5	.18	2.3 **	.33	2.4 *	.26					
		2	Sometimes	29	35	2,020	40	1,700	41	13,320	42												
		3	Often	30	36	1,428	28	1,033	25	8,487	27												
		4	Very often	16	19	851	17	560	14	4,730	15												
		Total		84	100	5,080	100	4,114	100	31,993	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	17	20	350	7	376	9	2,866	9	2.5	2.8 *	-.33	2.7	-.22	2.7	-.21					
		2	Some	22	27	1,444	28	1,281	31	10,101	32												
		3	Quite a bit	27	33	2,029	40	1,532	37	12,222	38												
		4	Very much	17	20	1,258	25	929	23	6,806	21												
		Total		83	100	5,081	100	4,118	100	31,995	100												
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	2	2	109	2	97	2	682	2	3.2	3.1	.09	3.1	.13	3.1	.11					
		2	Some	14	17	964	19	799	19	5,987	19												
		3	Quite a bit	34	41	2,264	45	1,886	46	14,827	46												
		4	Very much	33	40	1,743	34	1,335	32	10,497	33												
		Total		83	100	5,080	100	4,117	100	31,993	100												
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	5	6	144	3	142	3	978	3	2.9	3.0	-.14	3.0	-.08	3.0	-.11					
		2	Some	19	23	1,103	22	935	23	7,113	22												
		3	Quite a bit	37	44	2,215	44	1,841	45	14,245	45												
		4	Very much	23	27	1,601	32	1,190	29	9,603	30												
		Total		84	100	5,063	100	4,108	100	31,939	100												
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	5	6	198	4	172	4	1,102	3	2.9	3.0	-.11	2.9	-.05	3.0	-.10					
		2	Some	21	25	1,116	22	991	24	7,282	23												
		3	Quite a bit	35	42	2,258	45	1,841	45	14,460	45												
		4	Very much	23	27	1,491	29	1,111	27	9,105	28												
		Total		84	100	5,063	100	4,115	100	31,949	100												



# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education Tennessee Technological University

### Seniors<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>											
				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Your seniors compared with			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Effect size <sup>n</sup>	Effect size <sup>n</sup>	Effect size <sup>n</sup>	Effect size <sup>n</sup>				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean				
<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	9	11	583	12	631	15	4,551	14	2.6	2.6	.07	2.4	.21	2.5	.18					
		2	Sometimes	30	36	1,923	38	1,653	40	12,589	39												
		3	Often	29	35	1,722	34	1,254	31	10,338	32												
		4	Very often	16	19	841	17	565	14	4,440	14												
			Total	84	100	5,069	100	4,103	100	31,918	100												
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	16	19	1,038	21	990	24	6,967	22	2.4	2.3	.06	2.2	.18	2.3	.13					
		2	Sometimes	27	33	1,942	38	1,645	40	12,779	40												
		3	Often	31	37	1,397	28	999	24	8,469	27												
		4	Very often	9	11	680	13	467	11	3,656	11												
			Total	83	100	5,057	100	4,101	100	31,871	100												
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	15	18	940	19	844	21	6,520	20	2.3	2.3	-.04	2.3	.03	2.3	.03					
		2	Sometimes	36	43	2,065	41	1,724	42	13,337	42												
		3	Often	24	29	1,427	28	1,091	27	8,632	27												
		4	Very often	8	10	613	12	439	11	3,343	11												
			Total	83	100	5,045	100	4,098	100	31,832	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	0	None	5	6	395	8	237	6	1,661	5	7.2	7.2	.00	7.9	-.11	8.0	-.12					
	(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	15	18	995	20	729	18	5,335	17												
		4	3-5	27	32	1,444	29	1,131	28	9,020	28												
		8	6-10	16	19	1,050	21	884	22	7,185	23												
		13	11-15	12	14	491	10	471	11	3,536	11												
		18	16-20	3	4	262	5	241	6	1,960	6												
		23	More than 20	6	7	424	8	412	10	3,219	10												
			Total	84	100	5,061	100	4,105	100	31,916	100												
b. Between 6 and 10 pages	wrmednum	0	None	21	25	1,452	29	1,059	26	7,539	24	3.7	3.4	.07	3.4	.06	3.6	.02					
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	23	28	1,641	32	1,347	33	10,766	34												
		4	3-5	24	29	1,071	21	936	23	7,591	24												
		8	6-10	9	11	528	10	468	11	3,607	11												
		13	11-15	3	4	195	4	167	4	1,285	4												
		18	16-20	1	1	65	1	51	1	477	1												
		23	More than 20	2	2	99	2	62	2	568	2												
			Total	83	100	5,051	100	4,090	100	31,833	100												





# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### Seniors<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>											
				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Your seniors compared with			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Effect size <sup>n</sup>	Effect size <sup>n</sup>	Effect size <sup>n</sup>	Effect size <sup>n</sup>				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean				
<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	3	4	97	2	68	2	592	2	3.1	3.1	-.08	3.1	-.06	3.1	-.08					
		2	Sometimes	14	17	911	18	778	19	5,778	18												
		3	Often	40	48	2,202	43	1,832	45	14,082	44												
		4	Very often	27	32	1,853	37	1,431	35	11,474	36												
		Total		84	100	5,063	100	4,109	100	31,926	100												
b. Reviewed your notes after class	LSnotes	1	Never	5	6	256	5	294	7	2,126	7	3.2	3.0	.20	2.8 ***	.39	2.9 **	.34					
		2	Sometimes	13	15	1,189	23	1,266	31	9,053	28												
		3	Often	26	31	1,784	35	1,355	33	10,832	34												
		4	Very often	40	48	1,836	36	1,189	29	9,890	31												
		Total		84	100	5,065	100	4,104	100	31,901	100												
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	6	7	215	4	248	6	1,684	5	3.1	3.0	.09	2.9 *	.26	2.9	.20					
		2	Sometimes	13	15	1,207	24	1,182	29	8,603	27												
		3	Often	32	38	1,925	38	1,554	38	12,336	39												
		4	Very often	33	39	1,721	34	1,121	27	9,314	29												
		Total		84	100	5,068	100	4,105	100	31,937	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	0	0	47	1	26	1	236	1	6.1	5.7 **	.28	5.6 ***	.37	5.7 **	.32					
		2		1	1	59	1	52	1	345	1												
		3		4	5	184	4	162	4	1,132	4												
		4		6	7	474	9	404	10	2,961	9												
		5		12	14	1,280	25	1,197	29	8,911	28												
		6		16	19	1,281	25	1,074	26	8,311	26												
		7	Very much	45	54	1,719	34	1,183	29	9,970	31												
		Total		84	100	5,044	100	4,098	100	31,866	100												
<b>11. Which of the following have you done or do you plan to do before you graduate?<sup>o</sup></b>																							
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	Have not decided		2	2	223	4	143	3	1,407	4	83%	63% ***	.47	64% ***	.45	64% ***	.45					
		Do not plan to do		3	4	327	6	276	7	1,965	6												
		Plan to do		9	11	1,338	26	1,078	26	8,279	26												
		Done or in progress		69	83	3,175	63	2,613	64	20,286	64												
		Total		83	100	5,063	100	4,110	100	31,937	100												

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### Seniors<sup>a</sup> in Education

			Frequency Distributions								Statistical Comparisons <sup>k</sup>							
			Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
b. Hold a formal leadership role in a student organization or group	leader <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	6	7	595	12	412	10	3,934	12	<b>37%</b>	35%	.04	39%	-.04	37%	.00	
		Do not plan to do	42	50	2,189	43	1,722	42	13,385	42								
		Plan to do	5	6	509	10	365	9	2,868	9								
		Done or in progress	31	37	1,766	35	1,603	39	11,707	37								
		Total	84	100	5,059	100	4,102	100	31,894	100								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	11	13	688	14	479	12	4,497	14	<b>39%</b>	32%	.13	34%	.09	32%	.14	
		Do not plan to do	31	37	2,096	41	1,787	44	13,464	42								
		Plan to do	9	11	628	12	435	11	3,694	12								
		Done or in progress	32	39	1,639	32	1,400	34	10,208	32								
		Total	83	100	5,051	100	4,101	100	31,863	100								
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	13	15	644	13	422	10	3,851	12	<b>1%</b>	10% **	-.42	16% ****	-.61	13% **	-.51	
		Do not plan to do	65	77	3,496	69	2,713	66	21,833	68								
		Plan to do	5	6	426	8	302	7	2,156	7								
		Done or in progress	1	1	491	10	665	16	4,052	13								
		Total	84	100	5,057	100	4,102	100	31,892	100								
e. Work with a faculty member on a research project	research <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	18	21	859	17	587	14	5,035	16	<b>13%</b>	19%	-.16	21%	-.22	19%	-.17	
		Do not plan to do	48	57	2,581	51	2,171	53	17,061	53								
		Plan to do	7	8	665	13	474	12	3,654	11								
		Done or in progress	11	13	958	19	873	21	6,165	19								
		Total	84	100	5,063	100	4,105	100	31,915	100								
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	7	8	539	11	443	11	3,303	10	<b>46%</b>	40%	.14	39%	.16	44%	.06	
		Do not plan to do	18	21	1,238	24	1,083	26	7,065	22								
		Plan to do	20	24	1,284	25	998	24	7,603	24								
		Done or in progress	39	46	1,999	40	1,583	39	13,936	44								
		Total	84	100	5,060	100	4,107	100	31,907	100								

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

servcourse	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
1 None	8	10	1,220	24	954	23	7,322	23	<b>2.3</b>	2.0 ***	.42	2.0 ***	.50	2.0 ***	.46
2 Some	51	61	2,725	54	2,378	58	18,208	57							
3 Most	14	17	927	18	666	16	5,315	17							
4 All	11	13	180	4	106	3	1,028	3							
Total	84	100	5,052	100	4,104	100	31,873	100							

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education Tennessee Technological University

### Seniors<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>															
				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Tennessee Tech				Your seniors compared with			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count		Count		Count		Count		Mean	Mean	Effect size <sup>n</sup>		Mean	Effect size <sup>n</sup>		Mean	Effect size <sup>n</sup>							
				Count	%	Count	%	Count	%	Count	%			Mean	Mean		Mean	Mean									
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																											
a. Students	QIstudent	1	Poor	0	0	47	1	29	1	265	1	<b>6.1</b>															
		2		0	0	67	1	57	1	386	1																
		3		2	2	157	3	146	4	977	3																
		4		6	7	446	9	359	9	2,683	8																
		5		16	19	1,159	23	999	24	7,349	23																
		6		15	18	1,342	26	1,208	29	9,069	28																
		7	Excellent	44	52	1,797	35	1,282	31	10,656	33																
		—	Not applicable	1	1	50	1	28	1	566	2																
		Total		84	100	5,065	100	4,108	100	31,951	100																
b. Academic advisors	QIadvisor	1	Poor	4	5	235	5	219	5	1,249	4	<b>5.5</b>															
		2		2	2	250	5	219	5	1,332	4																
		3		7	8	388	8	338	8	2,126	7																
		4		8	10	586	12	536	13	3,696	12																
		5		15	18	949	19	798	19	5,822	18																
		6		12	14	933	18	800	19	6,275	20																
		7	Excellent	35	42	1,682	33	1,162	28	11,144	35																
		—	Not applicable	1	1	46	1	37	1	300	1																
		Total		84	100	5,069	100	4,109	100	31,944	100																
c. Faculty	QIfaculty	1	Poor	0	0	77	2	58	1	359	1	<b>5.9</b>															
		2		0	0	115	2	80	2	523	2																
		3		2	2	231	5	186	5	1,234	4																
		4		7	8	541	11	454	11	3,198	10																
		5		18	21	1,176	23	995	24	7,314	23																
		6		27	32	1,401	28	1,235	30	9,426	30																
		7	Excellent	29	35	1,495	29	1,087	26	9,663	30																
		—	Not applicable	1	1	32	1	10	0	214	1																
		Total		84	100	5,068	100	4,105	100	31,931	100																

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education Tennessee Technological University

### Seniors<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</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		Mean		Mean		
				%		%		%		%		Effect size <sup>n</sup>		Effect size <sup>n</sup>		Effect size <sup>n</sup>		Effect size <sup>n</sup>		
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options																	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	1	1	194	4	150	4	1,101	3	5.5	5.1 *	.24	4.9 **	.35	5.1 *	.24		
		2		1	1	199	4	184	4	1,192	4									
		3		5	6	301	6	290	7	2,045	6									
		4		10	12	606	12	574	14	3,900	12									
		5		15	18	979	19	888	22	6,266	20									
		6		16	19	882	17	699	17	5,795	18									
		7	Excellent	23	28	1,048	21	671	16	6,428	20									
		—	Not applicable	12	14	857	17	652	16	5,201	16									
Total				83	100	5,066	100	4,108	100	31,928	100									
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	3	4	242	5	152	4	1,200	4	5.4	5.0	.21	4.9 *	.27	5.1	.16		
		2		3	4	232	5	210	5	1,397	4									
		3		4	5	394	8	330	8	2,272	7									
		4		13	15	701	14	651	16	4,392	14									
		5		13	15	1,078	21	932	23	6,932	22									
		6		17	20	1,009	20	836	20	6,746	21									
		7	Excellent	28	33	1,150	23	758	18	7,328	23									
		—	Not applicable	3	4	256	5	237	6	1,673	5									
Total				84	100	5,062	100	4,106	100	31,940	100									
<b>14. How much does your institution emphasize the following?</b>																				
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	1	1	80	2	74	2	540	2	3.2	3.1	.08	3.1	.07	3.1	.11		
		2	Some	14	17	972	19	817	20	6,321	20									
		3	Quite a bit	38	46	2,324	46	1,788	44	14,852	47									
		4	Very much	30	36	1,680	33	1,427	35	10,185	32									
		Total				83	100	5,056	100	4,106	100									
b. Providing support to help students succeed academically	SEacademic	1	Very little	1	1	190	4	174	4	1,150	4	3.2	3.0	.18	3.0 *	.24	3.0	.17		
		2	Some	18	21	1,136	22	976	24	7,008	22									
		3	Quite a bit	32	38	2,181	43	1,795	44	13,883	44									
		4	Very much	33	39	1,547	31	1,155	28	9,840	31									
		Total				84	100	5,054	100	4,100	100									
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	11	13	411	8	350	9	2,583	8	2.7	2.9 *	-.25	2.9	-.21	2.9 *	-.26		
		2	Some	24	29	1,195	24	1,026	25	7,394	23									
		3	Quite a bit	28	34	1,902	38	1,562	38	12,166	38									
		4	Very much	19	23	1,543	31	1,160	28	9,728	31									
		Total				82	100	5,051	100	4,098	100									





# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education Tennessee Technological University

### Seniors<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>											
				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Your seniors compared with			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech	Southeast Public	Carnegie Class	NSSE 2019 & 2020	Effect size <sup>n</sup>	Effect size <sup>n</sup>	Effect size <sup>n</sup>	Effect size <sup>n</sup>				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean				
c. Working for pay on campus	tmworkonhrs	0	0 hrs	68	82	3,991	79	2,873	70	22,995	72	2.4	2.9	-.08	4.0 *	-.21	3.4	-.15					
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	4	149	3	186	5	1,670	5												
	8	6-10 hrs	4	5	249	5	313	8	2,530	8													
	13	11-15 hrs	3	4	238	5	268	7	1,876	6													
	18	16-20 hrs	3	4	248	5	296	7	1,715	5													
	23	21-25 hrs	0	0	97	2	96	2	582	2													
	28	26-30 hrs	0	0	31	1	35	1	212	1													
	33	More than 30 hrs	2	2	52	1	35	1	282	1													
	Total		83	100	5,055	100	4,102	100	31,862	100													
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	30	36	1,858	37	1,530	37	11,801	37	11.5	12.9	-.11	11.7	-.02	12.4	-.08					
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	4	287	6	294	7	2,089	7												
	8	6-10 hrs	13	16	376	7	368	9	2,655	8													
	13	11-15 hrs	7	8	429	8	349	9	2,658	8													
	18	16-20 hrs	12	14	512	10	457	11	3,285	10													
	23	21-25 hrs	3	4	444	9	336	8	2,458	8													
	28	26-30 hrs	6	7	354	7	268	7	1,960	6													
	33	More than 30 hrs	9	11	793	16	493	12	4,968	16													
	Total		83	100	5,053	100	4,095	100	31,874	100													
Estimated number of hours working for pay	tmworkhrs		(Continuous variable created by NSSE)								13.9	15.8	-.14	15.7	-.14	15.9	-.15						
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	35	42	1,902	38	1,615	39	13,101	41	5.7	4.8	.12	4.0	.27	4.1	.24					
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	22	27	1,827	36	1,628	40	12,006	38												
	8	6-10 hrs	11	13	648	13	439	11	3,333	10													
	13	11-15 hrs	8	10	276	5	180	4	1,466	5													
	18	16-20 hrs	1	1	154	3	109	3	792	2													
	23	21-25 hrs	0	0	83	2	39	1	367	1													
	28	26-30 hrs	1	1	36	1	26	1	209	1													
	33	More than 30 hrs	5	6	135	3	60	1	606	2													
	Total		83	100	5,061	100	4,096	100	31,880	100													





# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### Seniors<sup>a</sup> in Education

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				Tennessee Tech				Southeast Public				Carnegie Class				NSSE 2019 & 2020				Your seniors compared with			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count		%		Count		%		Count		%		Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</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	23	28	861	17	556	14	4,230	13	2.4	2.6	-.21	2.8 **	-.36	2.8 ***	-.36					
		2	Some	30	36	1,709	34	1,262	31	9,692	30												
		3	About half	14	17	1,341	27	1,129	28	9,052	28												
		4	Most	8	10	790	16	808	20	6,294	20												
		5	Almost all	8	10	357	7	344	8	2,596	8												
		Total		83	100	5,058	100	4,099	100	31,864	100												
	tmreadinghrs	(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)																					
				6.5	6.3	.04	6.9	-.06	6.9	-.06													
	tmreadinghrscol	1	0 hrs	0	0	24	0	8	0	103	0												
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	51	61	2,819	56	2,005	49	15,827	50												
		3	More than 5, up to 10 hrs	22	27	1,252	25	1,180	29	8,983	28												
		4	More than 10, up to 15 hrs	1	1	430	9	447	11	3,294	10												
		5	More than 15, up to 20 hrs	0	0	267	5	243	6	1,808	6												
		6	More than 20, up to 25 hrs	3	4	159	3	148	4	1,170	4												
		7	More than 25 hrs	6	7	94	2	57	1	582	2												
		Total		83	100	5,045	100	4,088	100	31,767	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	5	6	209	4	206	5	1,269	4	3.2	3.1	.11	3.0	.20	3.1	.13				
		2	Some	10	12	1,055	21	906	22	6,604	21												
		3	Quite a bit	34	41	2,005	40	1,718	42	13,183	41												
		4	Very much	33	40	1,783	35	1,261	31	10,802	34												
		Total		82	100	5,052	100	4,091	100	31,858	100												

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### Tennessee Technological University

#### Seniors<sup>a</sup> in Education

				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Your seniors compared with				
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>		Effect size <sup>n</sup>		
														Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
b. Speaking clearly and effectively	pgspeak	1	Very little	3	4	234	5	251	6	1,669	5	3.2	3.1	.15	3.0 *	.28	3.0	.21
		2	Some	13	16	1,012	20	928	23	6,666	21							
		3	Quite a bit	30	36	1,902	38	1,624	40	12,598	40							
		4	Very much	37	45	1,912	38	1,297	32	10,952	34							
		Total		83	100	5,060	100	4,100	100	31,885	100							
c. Thinking critically and analytically	pgthink	1	Very little	1	1	87	2	87	2	543	2	3.3	3.3	.05	3.3	.07	3.3	.05
		2	Some	8	10	621	12	499	12	3,845	12							
		3	Quite a bit	35	43	2,007	40	1,645	40	12,914	40							
		4	Very much	38	46	2,345	46	1,869	46	14,592	46							
		Total		82	100	5,060	100	4,100	100	31,894	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	4	5	542	11	553	14	4,202	13	2.9	2.8	.09	2.6 *	.25	2.6 *	.21
		2	Some	26	31	1,454	29	1,356	33	10,212	32							
		3	Quite a bit	31	37	1,685	33	1,304	32	10,149	32							
		4	Very much	22	27	1,378	27	882	22	7,337	23							
		Total		83	100	5,059	100	4,095	100	31,900	100							
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	2	2	266	5	233	6	1,613	5	3.5	3.1 ***	.38	3.1 ***	.45	3.1 ***	.39
		2	Some	4	5	902	18	790	19	5,711	18							
		3	Quite a bit	29	35	1,739	34	1,496	37	11,288	35							
		4	Very much	48	58	2,150	43	1,579	39	13,299	42							
		Total		83	100	5,057	100	4,098	100	31,911	100							
f. Working effectively with others	pgothers	1	Very little	1	1	154	3	143	3	970	3	3.4	3.2	.21	3.2 *	.28	3.2 *	.26
		2	Some	9	11	706	14	660	16	4,903	15							
		3	Quite a bit	27	33	1,922	38	1,577	38	12,458	39							
		4	Very much	46	55	2,278	45	1,720	42	13,559	43							
		Total		83	100	5,060	100	4,100	100	31,890	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	4	5	319	6	291	7	1,969	6	3.1	3.1	.08	3.0	.16	3.0	.12
		2	Some	15	18	1,008	20	890	22	6,615	21							
		3	Quite a bit	30	36	1,804	36	1,512	37	11,855	37							
		4	Very much	34	41	1,926	38	1,401	34	11,456	36							
		Total		83	100	5,057	100	4,094	100	31,895	100							



# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Respondent Profile: Education

### Tennessee Technological University

#### Education

			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
22a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One	57	89	3,821	89	3,350	86	22,749	83	76	90	4,446	87	3,468	84	26,394	82
		More than one	7	11	493	11	556	14	4,568	17	8	10	638	13	640	16	5,622	18
		Total	64	100	4,314	100	3,906	100	27,317	100	84	100	5,084	100	4,108	100	32,016	100
First major or expected first major, in NSSE's default related-major categories. (This does not reflect any customization made for the Major Field Report.)	MAJfirstcol <i>(Recoded from MAJfirst.)</i>	Arts & Humanities	0	0	50	1	39	1	372	1	0	0	43	1	65	2	498	2
		Biological Sci., Agriculture, & Natural Resources	0	0	19	0	21	1	131	0	0	0	19	0	19	0	137	0
		Physical Sci., Mathematics, & Computer Science	0	0	7	0	8	0	107	0	0	0	11	0	23	1	133	0
		Social Sciences	0	0	27	1	31	1	242	1	0	0	44	1	23	1	296	1
		Business	0	0	30	1	29	1	189	1	0	0	17	0	12	0	174	1
		Communications, Media, & Public Relations	0	0	5	0	5	0	34	0	0	0	6	0	5	0	40	0
		Education	48	74	2,116	49	1,807	46	14,908	54	63	75	2,422	47	2,044	49	17,479	54
		Engineering	0	0	8	0	5	0	20	0	1	1	3	0	4	0	17	0
		Health Professions	14	22	1,882	43	1,835	47	10,082	37	16	19	2,324	45	1,778	43	11,937	37
		Social Service Professions	0	0	6	0	7	0	61	0	0	0	6	0	6	0	44	0
		All Other	3	5	203	5	146	4	1,351	5	4	5	223	4	158	4	1,410	4
		Undecided, Undeclared	0	0	1	0	2	0	11	0	0	0	1	0	0	0	4	0
		Total	65	100	4,354	100	3,935	100	27,508	100	84	100	5,119	100	4,137	100	32,169	100
Second major or expected second major, in NSSE's default related-major categories. (This does not reflect any customization made for the Major Field Report.)	MAJsecondcol <i>(Recoded from MAJsecond.)</i>	Arts & Humanities	1	14	62	13	112	20	708	16	0	0	67	11	116	18	707	13
		Biological Sci., Agriculture, & Natural Resources	0	0	8	2	10	2	72	2	0	0	8	1	14	2	83	2
		Physical Sci., Mathematics, & Computer Science	0	0	7	1	12	2	101	2	0	0	9	1	18	3	118	2
		Social Sciences	0	0	37	8	62	11	415	9	0	0	49	8	67	11	442	8
		Business	1	14	34	7	32	6	180	4	0	0	23	4	15	2	163	3
		Communications, Media, & Public Relations	0	0	6	1	7	1	49	1	0	0	4	1	6	1	38	1
		Education	3	43	156	33	150	27	1,901	43	5	63	253	41	233	37	2,658	48
		Engineering	0	0	2	0	1	0	12	0	0	0	3	0	1	0	7	0
		Health Professions	1	14	107	23	118	21	654	15	2	25	160	26	105	17	877	16
		Social Service Professions	0	0	9	2	5	1	50	1	0	0	8	1	3	0	47	1
		All Other	1	14	31	7	37	7	269	6	1	13	24	4	49	8	285	5
		Undecided, Undeclared	0	0	9	2	6	1	58	1	0	0	9	1	4	1	64	1
		Total	7	100	468	100	552	100	4,469	100	8	100	617	100	631	100	5,489	100
23. What is your class level?	class	Freshman/First-year	59	91	3,598	84	3,454	89	23,747	88	0	0	5	0	8	0	63	0
		Sophomore	5	8	580	14	375	10	2,673	10	0	0	31	1	19	0	210	1
		Junior	1	2	80	2	50	1	410	2	6	7	333	7	306	7	2,398	8
		Senior	0	0	8	0	5	0	57	0	76	90	4,602	91	3,697	90	28,431	89
		Unclassified	0	0	14	0	4	0	198	1	2	2	85	2	61	1	717	2
		Total	65	100	4,280	100	3,888	100	27,085	100	84	100	5,056	100	4,091	100	31,819	100

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Respondent Profile: Education

### Tennessee Technological University

#### Education

			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
24a. How many courses are you taking for credit this current academic term?	coursenum	0	1	2	9	0	9	0	104	0	0	0	119	2	41	1	822	3
		1	0	0	9	0	10	0	216	1	4	5	397	8	314	8	2,467	8
		2	0	0	43	1	22	1	340	1	35	42	712	14	485	12	3,959	12
		3	0	0	73	2	55	1	669	2	13	15	550	11	401	10	3,416	11
		4	6	9	795	19	575	15	5,269	19	7	8	1,254	25	859	21	6,957	22
		5	26	40	1,769	41	1,705	44	10,775	40	9	11	1,020	20	935	23	6,703	21
		6	21	32	937	22	924	24	5,555	20	7	8	471	9	507	12	3,496	11
		7 or more	11	17	662	15	592	15	4,235	16	9	11	543	11	557	14	4,071	13
		Total	65	100	4,297	100	3,892	100	27,163	100	84	100	5,066	100	4,099	100	31,891	100
b. Of these, how many are taught mostly or entirely online (most or all interactions with instructors and students take place online)?	onlinenum20	0	35	54	1,326	46	1,164	55	8,542	54	44	53	1,434	40	1,066	47	8,311	45
		1	21	32	774	27	539	25	3,427	22	18	22	888	25	592	26	4,492	25
		2	6	9	456	16	235	11	1,452	9	15	18	595	16	299	13	2,246	12
		3	1	2	161	6	70	3	543	3	3	4	297	8	128	6	1,140	6
		4	0	0	95	3	45	2	838	5	1	1	225	6	91	4	924	5
		5	1	2	56	2	51	2	406	3	0	0	85	2	42	2	403	2
		6	0	0	29	1	15	1	208	1	1	1	46	1	25	1	299	2
		7 or more	1	2	16	1	15	1	348	2	1	1	51	1	31	1	514	3
		Total	65	100	2,913	100	2,134	100	15,764	100	83	100	3,621	100	2,274	100	18,329	100
Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum20.)	onlinecscol20	No courses taken online	35	54	1,326	46	1,163	55	8,538	54	44	53	1,434	40	1,065	47	8,309	45
		Some courses taken online	29	45	1,420	49	847	40	5,194	33	26	31	1,535	42	890	39	6,538	36
		All courses taken online	1	2	167	6	123	6	2,027	13	13	16	652	18	318	14	3,477	19
		Total	65	100	2,913	100	2,133	100	15,759	100	83	100	3,621	100	2,273	100	18,324	100
25. What have most of your grades been up to now at this institution?	grades	C- or lower	1	2	71	2	62	2	376	1	2	2	18	0	8	0	67	0
		C	0	0	106	2	79	2	545	2	0	0	49	1	27	1	226	1
		C+	3	5	191	4	114	3	1,022	4	2	2	113	2	76	2	582	2
		B-	3	5	251	6	226	6	1,461	5	3	4	210	4	155	4	1,121	4
		B	10	15	695	16	598	15	4,044	15	6	7	728	14	537	13	3,918	12
		B+	14	22	789	18	656	17	4,943	18	8	10	886	18	671	16	5,300	17
		A-	9	14	914	21	887	23	6,165	23	15	18	1,009	20	982	24	7,282	23
		A	25	38	1,276	30	1,263	33	8,549	32	48	57	2,041	40	1,637	40	13,323	42
		Total	65	100	4,293	100	3,885	100	27,105	100	84	100	5,054	100	4,093	100	31,819	100
26. Did you begin college at this institution or elsewhere?	begincol	Started here	59	91	3,854	90	3,555	92	24,230	90	40	48	2,564	51	2,492	61	17,624	56
		Started elsewhere	6	9	412	10	316	8	2,787	10	43	52	2,470	49	1,581	39	14,096	44
		Total	65	100	4,266	100	3,871	100	27,017	100	83	100	5,034	100	4,073	100	31,720	100

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Respondent Profile: Education

### Tennessee Technological University

#### Education

			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
27. Since graduating from high school, which of the following types of schools have you attended <i>other than</i> the one you are now attending? (Select all that apply.)	attend_voc	Vocational or technical school	1	2	132	3	79	2	896	3	1	1	335	7	172	4	1,827	6
	attend_com	Community or junior college	11	17	425	10	349	9	2,754	10	44	53	2,285	45	1,477	36	13,122	41
	attend_col	4-year college or university other than this one	3	5	444	10	329	9	2,705	10	12	14	1,346	27	1,038	26	8,152	26
	attend_none	None	50	77	3,266	77	3,081	80	20,802	77	32	39	1,806	36	1,881	46	13,012	41
	attend_other	Other	2	3	91	2	90	2	697	3	2	2	121	2	110	3	859	3
28. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree	8	13	328	8	252	7	2,362	9	5	6	375	7	292	7	2,507	8
		Bachelor's degree (B.A., B.S., etc.)	17	27	1,046	25	918	24	7,457	28	18	22	1,073	21	903	22	7,441	23
		Master's degree (M.A., M.S., etc.)	28	44	1,865	44	1,748	45	11,935	44	46	56	2,252	45	1,855	46	15,105	48
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	11	17	1,029	24	957	25	5,250	19	13	16	1,344	27	1,025	25	6,720	21
		Total	64	100	4,268	100	3,875	100	27,004	100	82	100	5,044	100	4,075	100	31,773	100
29. What is the highest level of education completed by either of your parents (or those who raised you)?	parented	Did not finish high school	3	5	129	3	119	3	1,284	5	3	4	224	4	197	5	1,957	6
		High school diploma or G.E.D.	15	24	750	18	646	17	4,953	18	22	27	963	19	614	15	6,032	19
		Attended college, but did not complete degree	6	10	522	12	341	9	2,942	11	11	13	535	11	382	9	3,255	10
		Associate's degree (A.A., A.S., etc.)	7	11	436	10	345	9	2,758	10	7	9	627	12	416	10	3,548	11
		Bachelor's degree (B.A., B.S., etc.)	17	27	1,253	29	1,188	31	7,871	29	21	26	1,456	29	1,263	31	9,180	29
		Master's degree (M.A., M.S., etc.)	13	21	925	22	957	25	5,781	21	12	15	925	18	873	21	6,027	19
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	2	3	244	6	273	7	1,364	5	6	7	289	6	318	8	1,670	5
		Total	63	100	4,259	100	3,869	100	26,953	100	82	100	5,019	100	4,063	100	31,669	100
First-generation status (Neither parent holds a bachelor's degree.)	firstgen (Recoded from parented.)	Not first-generation	32	51	2,422	57	2,418	62	15,016	56	39	48	2,670	53	2,454	60	16,877	53
		First-generation	31	49	1,837	43	1,451	38	11,937	44	43	52	2,349	47	1,609	40	14,792	47
		Total	63	100	4,259	100	3,869	100	26,953	100	82	100	5,019	100	4,063	100	31,669	100
30. What is your gender identity?	genderid	Man	12	19	894	21	797	21	5,888	22	15	18	1,046	21	877	22	6,753	21
		Woman	52	81	3,346	78	3,039	78	20,841	77	67	81	3,937	78	3,142	77	24,619	78
		Another gender identity	0	0	13	0	24	1	133	0	1	1	23	0	22	1	124	0
		I prefer not to respond	0	0	15	0	16	0	166	1	0	0	33	1	35	1	253	1
		Total	64	100	4,268	100	3,876	100	27,028	100	83	100	5,039	100	4,076	100	31,749	100
31. Enter your year of birth (e.g., 1994):	agecat (Recoded from the information entered in birthyear.)	19 or younger	58	91	3,910	92	3,617	94	23,813	89	1	1	52	1	15	0	170	1
		20-23	3	5	220	5	170	4	1,397	5	65	79	3,538	71	3,013	74	21,905	70
		24-29	3	5	51	1	37	1	541	2	5	6	736	15	589	15	4,449	14
		30-39	0	0	37	1	14	0	668	2	10	12	415	8	272	7	2,811	9
		40-55	0	0	21	0	12	0	433	2	1	1	224	4	138	3	1,942	6
		Over 55	0	0	2	0	1	0	33	0	0	0	38	1	18	0	223	1
		Total	64	100	4,241	100	3,851	100	26,885	100	82	100	5,003	100	4,045	100	31,500	100

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Respondent Profile: Education

### Tennessee Technological University

#### Education

			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
32a. Are you an international student?  [If answered "yes"] Country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file.	internat	No	62	97	4,169	98	3,804	98	26,393	98	78	95	4,964	99	4,000	98	31,160	98
		Yes	2	3	83	2	62	2	572	2	4	5	64	1	63	2	518	2
		Total	64	100	4,252	100	3,866	100	26,965	100	82	100	5,028	100	4,063	100	31,678	100
	countrycol (Recoded from country.)	Africa Sub-Saharan	1	50	3	5	2	4	25	6	0	0	8	15	2	3	24	5
		Asia	0	0	11	19	15	30	130	29	0	0	10	19	16	27	130	30
		Canada	0	0	0	0	9	18	47	10	1	25	5	9	14	23	59	13
		Europe	1	50	26	45	12	24	130	29	1	25	9	17	10	17	82	19
		Latin America and Caribbean	0	0	12	21	9	18	91	20	1	25	17	31	10	17	109	25
		Middle East and North Africa	0	0	4	7	3	6	13	3	0	0	4	7	6	10	20	5
		Oceania	0	0	2	3	0	0	18	4	1	25	1	2	2	3	14	3
Unknown region/uncoded		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	100	58	100	50	100	454	100	4	100	54	100	60	100	438	100		
33. How would you describe yourself? (Select all that apply.)	re_amind	American Indian or Alaska Native	1	2	91	2	68	2	601	2	0	0	84	2	76	2	538	2
		Asian	1	2	199	5	243	6	1,573	6	0	0	185	4	163	4	1,746	6
	re_black	Black or African American	2	3	861	20	445	12	2,752	10	2	2	857	17	324	8	2,745	9
		Hispanic or Latina/o	0	0	358	8	559	14	3,580	13	2	2	553	11	583	14	4,561	14
	re_mena	Middle Eastern or N. African	0	0	35	1	56	1	213	1	0	0	40	1	44	1	229	1
		Native Hawaiian/Other Pac. Islander	0	0	32	1	48	1	321	1	0	0	29	1	40	1	316	1
	re_white	White	59	94	3,020	71	2,855	74	20,250	75	79	95	3,567	71	3,064	75	23,218	73
		Another race or ethnicity	1	2	43	1	30	1	254	1	0	0	43	1	25	1	276	1
	re_pnr	I prefer not to respond	1	2	48	1	35	1	375	1	0	0	113	2	85	2	720	2
		Total	63	100	4,253	100	3,866	100	26,940	100	83	100	5,024	100	4,064	100	31,664	100
34. Are you a member of a social fraternity or sorority?	greek	No	57	89	3,678	86	3,441	89	24,444	91	73	88	4,219	84	3,542	87	28,010	88
		Yes	7	11	579	14	432	11	2,525	9	10	12	814	16	524	13	3,711	12
	Total	64	100	4,257	100	3,873	100	26,969	100	83	100	5,033	100	4,066	100	31,721	100	



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#### Education

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			Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
35. Which of the following best describes where you are living while attending college?	living18	Campus housing (other than a fraternity or sorority house)	33	52	2,817	67	2,746	71	18,023	67	5	6	446	9	394	10	4,764	15
		Fraternity or sorority house	0	0	24	1	18	0	146	1	0	0	71	1	53	1	344	1
		House, apartment, or other residence within walking distance to campus	5	8	280	7	242	6	1,367	5	17	20	1,083	22	1,243	31	7,269	23
		House, apartment, or other residence farther than walk. dist. to campus	26	41	1,055	25	799	21	5,848	22	55	66	3,191	64	2,180	54	16,218	51
		Not applicable: No campus, entirely online program, etc.	0	0	48	1	40	1	1,433	5	5	6	212	4	177	4	2,894	9
		Not applicable: Homeless or in transition	0	0	12	0	12	0	57	0	1	1	10	0	8	0	92	0
		Total	64	100	4,236	100	3,857	100	26,874	100	83	100	5,013	100	4,055	100	31,581	100
36. Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	59	94	3,903	92	3,612	94	23,061	86	78	94	4,784	95	3,859	95	28,947	92
		Yes	4	6	325	8	251	6	3,809	14	5	6	228	5	200	5	2,647	8
		Total	63	100	4,228	100	3,863	100	26,870	100	83	100	5,012	100	4,059	100	31,594	100
37. Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No	63	98	4,193	99	3,828	99	26,601	99	83	100	4,862	97	3,926	97	30,581	97
		Yes	1	2	46	1	32	1	282	1	0	0	149	3	132	3	1,026	3
		Total	64	100	4,239	100	3,860	100	26,883	100	83	100	5,011	100	4,058	100	31,607	100
38a. Have you been diagnosed with any disability or impairment?	disability	No	56	89	3,602	85	3,279	85	22,535	84	77	93	4,262	85	3,398	84	26,866	85
		Yes	3	5	506	12	486	13	3,550	13	5	6	618	12	547	13	3,903	12
		I prefer not to respond	4	6	137	3	104	3	849	3	1	1	147	3	122	3	928	3
		Total	63	100	4,245	100	3,869	100	26,934	100	83	100	5,027	100	4,067	100	31,697	100
b. [If answered "yes"] Which of the following has been diagnosed? (Select all that apply.)	dis_sense	A sensory impairment (vision or hearing)	0	0	75	15	66	14	441	12	0	0	71	12	65	12	442	11
		A mobility impairment	0	0	24	5	18	4	182	5	1	20	49	8	37	7	288	7
		A learning disability (e.g., ADHD, dyslexia)	0	0	217	43	204	42	1,522	43	2	40	280	45	204	37	1,630	42
		A mental health disorder	3	100	227	45	252	52	1,748	50	1	20	250	41	294	54	1,857	48
		A disability or impairment not listed above	0	0	90	18	67	14	565	16	2	40	125	20	106	19	723	19
		Disability or impairment	disability_all	A sensory impairment	0	0	48	1	39	1	259	1	0	0	38	1	40	1
	(Items dis_sense to dis_other recoded where each student is represented only once.)	A mobility impairment	0	0	12	0	6	0	90	0	1	1	24	0	16	0	133	0
		A learning disability	0	0	139	3	129	3	957	4	2	2	193	4	114	3	1,043	3
		A mental health disorder	3	5	142	3	165	4	1,095	4	0	0	151	3	177	4	1,170	4
		A disability or impairment not listed	0	0	54	1	39	1	332	1	1	1	77	2	58	1	414	1
		More than one disability or impairment	0	0	110	3	106	3	798	3	1	1	133	3	140	3	878	3
		No disability or impairment	56	89	3,602	85	3,279	85	22,535	84	77	93	4,262	85	3,398	84	26,866	85
		Prefer not to respond	4	6	137	3	104	3	849	3	1	1	147	3	122	3	928	3
		Total	63	100	4,244	100	3,867	100	26,915	100	83	100	5,025	100	4,065	100	31,676	100

# NSSE 2020 Major Field Report, Part II: Comparisons to Other Institutions

## Respondent Profile: Education

### Tennessee Technological University

#### Education

			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020		Tennessee Tech		Southeast Public		Carnegie Class		NSSE 2019 & 2020	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
39. Which of the following best describes your sexual orientation?	sexorient17	Straight (heterosexual)	55	87	3,682	87	3,347	87	23,222	86	77	93	4,424	88	3,531	87	27,886	88
		Bisexual	4	6	253	6	248	6	1,665	6	2	2	242	5	211	5	1,473	5
		Gay	0	0	44	1	41	1	268	1	1	1	49	1	41	1	298	1
		Lesbian	0	0	51	1	43	1	285	1	0	0	50	1	41	1	286	1
		Queer	0	0	16	0	18	0	157	1	0	0	19	0	37	1	205	1
		Questioning or unsure	0	0	50	1	52	1	314	1	0	0	27	1	38	1	176	1
		Another sexual orientation	1	2	43	1	37	1	261	1	2	2	38	1	38	1	220	1
		I prefer not to respond	3	5	106	2	77	2	757	3	1	1	175	3	129	3	1,120	4
<b>Total</b>			<b>63</b>	<b>100</b>	<b>4,245</b>	<b>100</b>	<b>3,863</b>	<b>100</b>	<b>26,929</b>	<b>100</b>	<b>83</b>	<b>100</b>	<b>5,024</b>	<b>100</b>	<b>4,066</b>	<b>100</b>	<b>31,664</b>	<b>100</b>
<b>Institution-reported information</b> (Variables provided by your institution in your NSSE population file.)																		
Institution-reported: Sex	IRsex19	Female	52	80	3,426	79	3,114	79	21,407	78	68	81	4,044	79	3,233	78	25,196	78
		Male	13	20	925	21	820	21	6,070	22	16	19	1,077	21	904	22	6,955	22
		Another	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0
		Unknown	0	0	2	0	0	0	31	0	0	0	1	0	0	0	29	0
		<b>Total</b>			<b>65</b>	<b>100</b>	<b>4,354</b>	<b>100</b>	<b>3,935</b>	<b>100</b>	<b>27,510</b>	<b>100</b>	<b>84</b>	<b>100</b>	<b>5,122</b>	<b>100</b>	<b>4,137</b>	<b>100</b>
Institution-reported: Race or ethnicity	IRrace	American Indian or Alaska Native	0	0	21	1	9	0	185	1	0	0	17	0	16	0	224	1
		Asian	0	0	102	3	97	3	900	4	0	0	118	2	71	2	1,147	4
		Black or African American	3	5	701	17	311	9	1,994	8	2	2	719	15	265	7	2,055	7
		Hispanic or Latino	0	0	318	8	498	14	3,267	13	0	0	526	11	502	14	4,025	14
		Native Hawaiian/Other Pac. Islander	0	0	2	0	41	1	111	0	0	0	5	0	27	1	131	0
		White	55	85	2,608	65	2,289	66	16,622	66	80	95	3,140	66	2,512	69	19,396	66
		Other	0	0	0	0	2	0	5	0	0	0	1	0	5	0	11	0
		Foreign or nonresident	0	0	41	1	41	1	319	1	0	0	31	1	52	1	382	1
		<b>Total</b>			<b>65</b>	<b>100</b>	<b>4,030</b>	<b>100</b>	<b>3,479</b>	<b>100</b>	<b>25,091</b>	<b>100</b>	<b>84</b>	<b>100</b>	<b>4,757</b>	<b>100</b>	<b>3,618</b>	<b>100</b>
Institution-reported: Class level	IRclass	Freshman/First-year	65	100	4,354	100	3,935	100	27,510	100	0	0	0	0	0	0	0	0
		Sophomore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Junior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Senior	0	0	0	0	0	0	0	0	84	100	5,122	100	4,137	100	32,180	100
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		<b>Total</b>			<b>65</b>	<b>100</b>	<b>4,354</b>	<b>100</b>	<b>3,935</b>	<b>100</b>	<b>27,510</b>	<b>100</b>	<b>84</b>	<b>100</b>	<b>5,122</b>	<b>100</b>	<b>4,137</b>	<b>100</b>
Institution-reported: First-time first-year (FTFY) student	IRftfy	Not first-time first-year	4	6	875	20	257	7	3,777	14	82	98	5,119	100	4,114	99	31,836	99
		First-time first-year	61	94	3,479	80	3,678	93	23,733	86	2	2	3	0	23	1	344	1
		<b>Total</b>			<b>65</b>	<b>100</b>	<b>4,354</b>	<b>100</b>	<b>3,935</b>	<b>100</b>	<b>27,510</b>	<b>100</b>	<b>84</b>	<b>100</b>	<b>5,122</b>	<b>100</b>	<b>4,137</b>	<b>100</b>
Institution-reported: Enrollment status	IREnrollment	Not full-time	1	2	137	3	73	2	776	3	4	5	716	14	443	11	3,779	12
		Full-time	64	98	4,217	97	3,862	98	26,734	97	80	95	4,406	86	3,694	89	28,401	88
		<b>Total</b>			<b>65</b>	<b>100</b>	<b>4,354</b>	<b>100</b>	<b>3,935</b>	<b>100</b>	<b>27,510</b>	<b>100</b>	<b>84</b>	<b>100</b>	<b>5,122</b>	<b>100</b>	<b>4,137</b>	<b>100</b>

## Endnotes

- a. All results are unweighted.
- b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.
- c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean  $\pm 1.96 * SEM$ .
- d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.
- e. Degrees of freedom used to compute the  $t$ -tests. Values differ from Ns due to whether equal variances were assumed.
- f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance:  $*p < .05$ ,  $**p < .01$ ,  $***p < .001$  (2-tailed).
- g. Cohen's  $d$ : The mean difference divided by the pooled standard deviation. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview.
- h. Percentage of students who responded "Done or in progress" except for service-learning which is the percentage who responded that at least "Some" courses included a community-based project.
- i. Percentage point differences (institution – comp. group) rounded to whole numbers. Values less than one may not display a bar and may be shown as +0 or -0.  
 $*p < .05$ ,  $**p < .01$ ,  $***p < .001$  ( $z$ -test comparing participation rates).
- j. Cohen's  $h$ : The standardized difference between two proportions. Effect size indicates the practical importance of an observed difference. NSSE research has found that interpretations vary by HIP: For service-learning, internships, study abroad, and culminating senior experiences, an effect size of about .2 may be considered small, .5 medium, and .8 large. For learning community and research with faculty, an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015).
- k. Means calculated from ordered response options (e.g., Very Often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution. Unless otherwise noted, statistical comparisons are two-tailed independent  $t$ -tests. Exceptions are the dichotomous high-impact practice items (11a to 11f) which are compared using a  $z$ -test.
- l. Items that make up the Engagement Indicators include the following two-letter prefixes: CL = Collaborative Learning, DD = Discussions with Diverse Others, ET = Effective Teaching Practices, HO = Higher-Order Learning, LS = Learning Strategies, QI = Quality of Interactions, QR = Quantitative Reasoning, RI = Reflective and Integrative Learning, SE = Supportive Environment, and SF = Student-Faculty Interaction.
- m. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook. For items estimating number of papers and hours per week, the values represent actual units using the midpoints of response option ranges and an estimate for unbounded options.
- n. Effect size for independent  $t$ -tests uses Cohen's  $d$ ;  $z$ -tests use Cohen's  $h$ .
- o. Statistical comparison uses  $z$ -test to compare the percentage who responded "Done or in progress."

### Key to symbols:

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

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

**Reference:** Rocconi, L.M., & Gonyea, R.M. (2018). Contextualizing effect sizes in the National Survey of Student Engagement: An empirical analysis. *Research & Practice in Assessment*, 13 (Summer/Fall), pp. 22-38.