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# **NSSE 2019**

## **Engagement Indicators**

Texas Christian University

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### About Your Engagement Indicators Report

Engagement Indicators (EIs) provide a useful summary of the detailed information contained in your students' NSSE responses. By combining responses to related NSSE questions, each EI offers valuable information about a distinct aspect of student engagement. Ten indicators, based on three to eight survey questions each (a total of 47 survey questions), are organized into four broad themes as shown at right.

Theme	Engagement Indicator
<i>Academic Challenge</i>	Higher-Order Learning Reflective & Integrative Learning Learning Strategies Quantitative Reasoning
<i>Learning with Peers</i>	Collaborative Learning Discussions with Diverse Others
<i>Experiences with Faculty</i>	Student-Faculty Interaction Effective Teaching Practices
<i>Campus Environment</i>	Quality of Interactions Supportive Environment

### Report Sections

- Overview (p. 3)** Displays how average EI scores for your students compare with those of students at your comparison group institutions.
- Theme Reports (pp. 4-13)** Detailed views of EI scores within the four themes for your students and those at comparison group institutions. Three views offer varied insights into your EI scores:

  - Mean Comparisons**  
Straightforward comparisons of average scores between your students and those at comparison group institutions, with tests of significance and effect sizes (see below).
  - Score Distributions**  
Box-and-whisker charts show the variation in scores *within* your institution and comparison groups.
  - Performance on Indicator Items**  
Responses to each item in a given EI are summarized for your institution and comparison groups.
- Comparisons with High-Performing Institutions (p. 15)** Comparisons of your students' average scores on each EI with those of students at institutions whose average scores were in the top 50% and top 10% of 2018 and 2019 participating institutions.
- Detailed Statistics (pp. 16-19)** Detailed information about EI score means, distributions, and tests of statistical significance.

### Interpreting Comparisons

Mean comparisons report both statistical significance and effect size. 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, 2018). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview (p. 3).

*EIs vary more among students within an institution than between institutions*, like many experiences and outcomes in higher education. As a result, focusing attention on average scores alone amounts to examining the tip of the iceberg. It's equally important to understand how student engagement varies within your institution. Score distributions indicate how EI scores vary among your students and those in your comparison groups. The Report Builder and your *Major Field Report* (both to be released in the fall) offer valuable perspectives on internal variation and help you investigate your students' engagement in depth.

### How Engagement Indicators are Computed

Each EI is scored on a 60-point scale. To produce an indicator score, the response set for each item is converted to a 60-point scale (e.g., Never = 0; Sometimes = 20; Often = 40; Very often = 60), and the rescaled items are averaged. Thus a score of zero means a student responded at the bottom of the scale for every item in the EI, while a score of 60 indicates responses at the top of the scale on every item.

For more information on EIs and their psychometric properties, refer to the NSSE website: [nsse.indiana.edu](https://nsse.indiana.edu)

## 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 broad themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores for your students with those in your comparison groups.

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.

### First-Year Students

<i>Theme</i>	<i>Engagement Indicator</i>	Your first-year students compared with Southwest Private	Your first-year students compared with Carnegie Class	Your first-year students compared with NSSE 2018 & 2019
<i>Academic Challenge</i>	Higher-Order Learning	--	--	--
	Reflective & Integrative Learning	--	--	--
	Learning Strategies	--	△	△
	Quantitative Reasoning	--	--	--
<i>Learning with Peers</i>	Collaborative Learning	▲	--	△
	Discussions with Diverse Others	△	△	△
<i>Experiences with Faculty</i>	Student-Faculty Interaction	△	△	--
	Effective Teaching Practices	--	△	△
<i>Campus Environment</i>	Quality of Interactions	--	△	△
	Supportive Environment	△	△	△

### Seniors

<i>Theme</i>	<i>Engagement Indicator</i>	Your seniors compared with Southwest Private	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2018 & 2019
<i>Academic Challenge</i>	Higher-Order Learning	--	△	--
	Reflective & Integrative Learning	--	△	△
	Learning Strategies	▽	--	--
	Quantitative Reasoning	--	--	--
<i>Learning with Peers</i>	Collaborative Learning	▲	▲	▲
	Discussions with Diverse Others	--	--	--
<i>Experiences with Faculty</i>	Student-Faculty Interaction	▲	▲	▲
	Effective Teaching Practices	△	△	△
<i>Campus Environment</i>	Quality of Interactions	--	▲	△
	Supportive Environment	▲	▲	▲

### Academic Challenge: First-year students

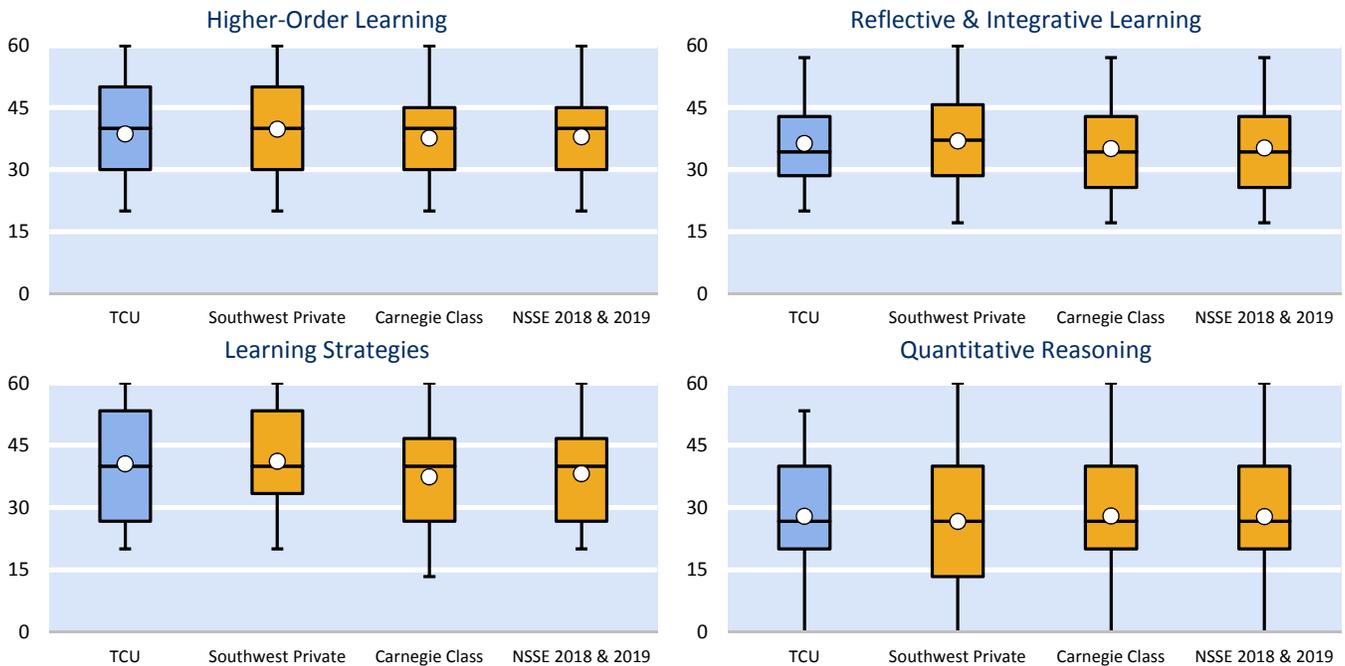
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *Reflective & Integrative Learning*, *Learning Strategies*, and *Quantitative Reasoning*. Below and on the next page are three views of your results alongside those of your comparison groups.

#### Mean Comparisons

Engagement Indicator	TCU Mean	Your first-year students compared with					
		Southwest Private		Carnegie Class		NSSE 2018 & 2019	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	38.6	39.9	-.09	37.7	.08	38.0	.05
Reflective & Integrative Learning	36.4	37.0	-.05	35.1	.11	35.2	.09
Learning Strategies	40.6	41.1	-.04	37.4 ***	.23	38.1 **	.18
Quantitative Reasoning	27.9	26.7	.07	27.9	.00	27.8	.00

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; \**p* < .05, \*\**p* < .01, \*\*\**p* < .001 (2-tailed).

#### Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

## Academic Challenge: First-year students (continued)

### Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

	TCU	Percentage point difference <sup>a</sup> between your FY students and		
		Southwest Private	Carnegie Class	NSSE 2018 & 2019
<b>Higher-Order Learning</b>				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
	%			
4b. Applying facts, theories, or methods to practical problems or new situations	72	+0 	+2 	+2 
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	73	+1 	+4 	+4 
4d. Evaluating a point of view, decision, or information source	71	-5 	+3 	+2 
4e. Forming a new idea or understanding from various pieces of information	65	-8 	-2 	-3 
<b>Reflective &amp; Integrative Learning</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	52	+1 	+0 	+0 
2b. Connected your learning to societal problems or issues	59	+5 	+8 	+7 
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	55	+0 	+5 	+4 
2d. Examined the strengths and weaknesses of your own views on a topic or issue	68	-4 	+4 	+4 
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	75	-0 	+4 	+5 
2f. Learned something that changed the way you understand an issue or concept	66	-6 	+0 	-1 
2g. Connected ideas from your courses to your prior experiences and knowledge	82	+0 	+5 	+5 
<b>Learning Strategies</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	80	-0 	+6 	+5 
9b. Reviewed your notes after class	70	-2 	+7 	+4 
9c. Summarized what you learned in class or from course materials	68	-3 	+6 	+4 
<b>Quantitative Reasoning</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	53	+3 	+0 	+1 
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	40	+2 	+0 	+0 
6c. Evaluated what others have concluded from numerical information	40	+5 	+1 	+1 

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

### Academic Challenge: Seniors

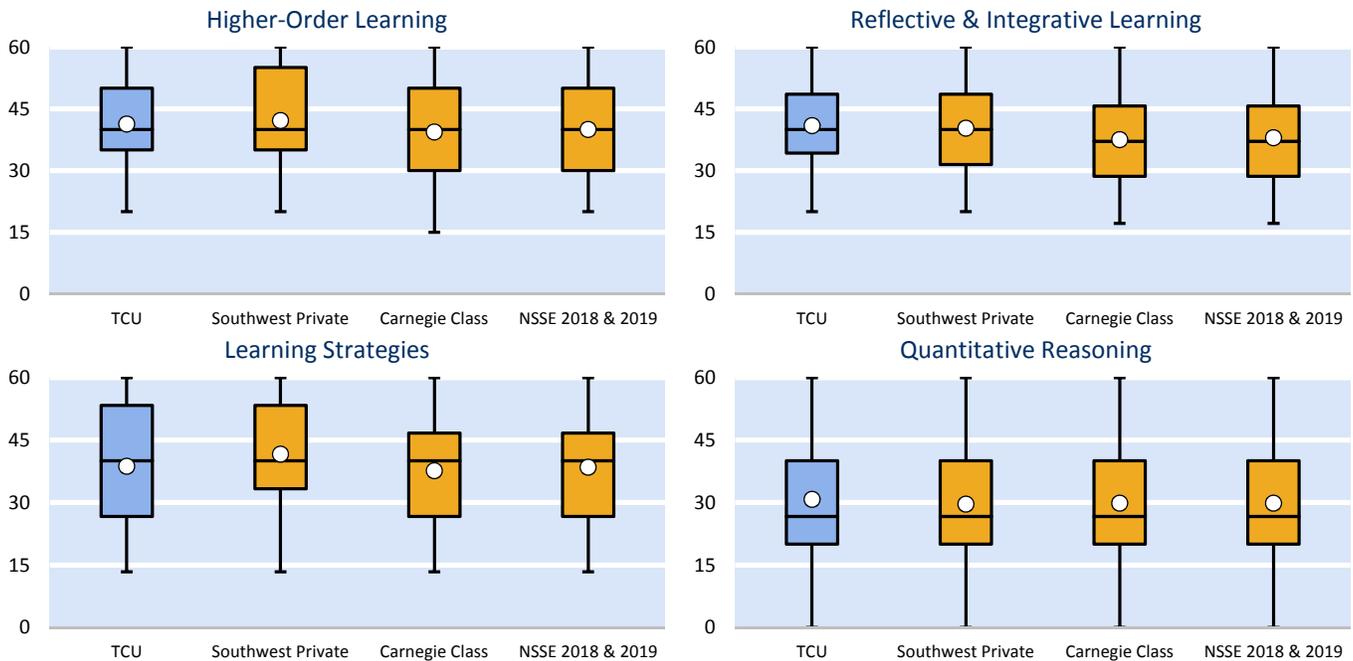
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#### Mean Comparisons

Engagement Indicator	TCU Mean	Your seniors compared with					
		Southwest Private		Carnegie Class		NSSE 2018 & 2019	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	41.3	42.2	-.07	39.4 *	.14	40.0	.09
Reflective & Integrative Learning	41.0	40.3	.06	37.6 ***	.27	38.0 ***	.24
Learning Strategies	38.7	41.6 ***	-.20	37.6	.07	38.5	.02
Quantitative Reasoning	30.8	29.6	.07	29.8	.06	29.8	.06

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; \**p* < .05, \*\**p* < .01, \*\*\**p* < .001 (2-tailed).

#### Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

## Academic Challenge: Seniors (continued)

### Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

	TCU	Percentage point difference <sup>a</sup> between your seniors and		
		Southwest Private	Carnegie Class	NSSE 2018 & 2019
<b>Higher-Order Learning</b>				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
	%			
4b. Applying facts, theories, or methods to practical problems or new situations	84	+4 	+7 	+7 
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	77	-2 	+3 	+2 
4d. Evaluating a point of view, decision, or information source	73	-6 	+5 	+2 
4e. Forming a new idea or understanding from various pieces of information	74	-4 	+4 	+2 
<b>Reflective &amp; Integrative Learning</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	74	+7 	+4 	+6 
2b. Connected your learning to societal problems or issues	72	+4 	+13 	+11 
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	62	-2 	+12 	+9 
2d. Examined the strengths and weaknesses of your own views on a topic or issue	70	-5 	+5 	+3 
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	81	+3 	+10 	+8 
2f. Learned something that changed the way you understand an issue or concept	78	+3 	+8 	+7 
2g. Connected ideas from your courses to your prior experiences and knowledge	88	+0 	+5 	+4 
<b>Learning Strategies</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	82	-3 	+5 	+3 
9b. Reviewed your notes after class	60	-6 	-0 	-2 
9c. Summarized what you learned in class or from course materials	64	-9 	+2 	-0 
<b>Quantitative Reasoning</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	54	+1 	-2 	-1 
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	46	+1 	+3 	+2 
6c. Evaluated what others have concluded from numerical information	47	+6 	+3 	+3 

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

### Learning with Peers: First-year students

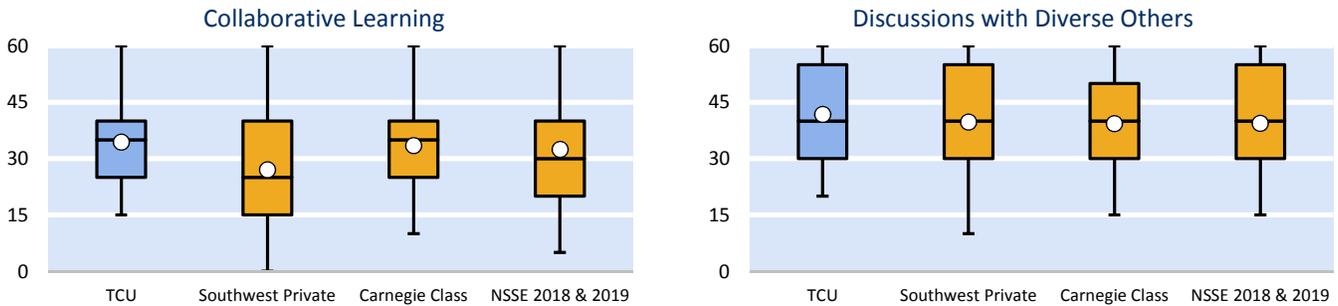
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions with Diverse Others*. Below are three views of your results alongside those of your comparison groups.

#### Mean Comparisons

Engagement Indicator	TCU Mean	Your first-year students compared with					
		Southwest Private		Carnegie Class		NSSE 2018 & 2019	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	34.4	27.0 ***	.44	33.4	.07	32.4 **	.13
Discussions with Diverse Others	41.7	39.7 *	.13	39.2 *	.16	39.4 *	.15

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; \**p* < .05, \*\**p* < .01, \*\*\**p* < .001 (2-tailed).

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#### Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Collaborative Learning	TCU %	Percentage point difference <sup>a</sup> between your FY students and		
		Southwest Private	Carnegie Class	NSSE 2018 & 2019
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
1e. Asked another student to help you understand course material	54	+12	-2	+1
1f. Explained course material to one or more students	64	+20	+4	+6
1g. Prepared for exams by discussing or working through course material with other students	57	+16	+6	+7
1h. Worked with other students on course projects or assignments	55	+10	-1	+1
<i>Discussions with Diverse Others</i>				
<i>Percentage of students who responded that they "Very often" or "Often" had discussions with...</i>				
8a. People of a race or ethnicity other than your own	78	+3	+9	+8
8b. People from an economic background other than your own	77	+5	+6	+6
8c. People with religious beliefs other than your own	65	+2	-1	-2
8d. People with political views other than your own	74	+10	+10	+10

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

### Learning with Peers: Seniors

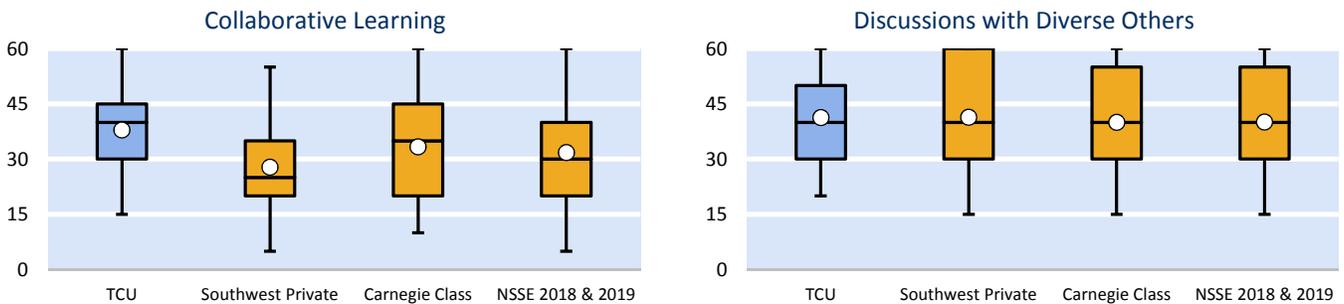
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#### Mean Comparisons

Engagement Indicator	TCU Mean	Your seniors compared with					
		Southwest Private		Carnegie Class		NSSE 2018 & 2019	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	37.9	27.8 ***	.71	33.4 ***	.30	31.8 ***	.39
Discussions with Diverse Others	41.3	41.4	-.01	40.0	.08	40.1	.07

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; \**p* < .05, \*\**p* < .01, \*\*\**p* < .001 (2-tailed).

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Collaborative Learning	TCU	Percentage point difference <sup>a</sup> between your seniors and		
		Southwest Private	Carnegie Class	NSSE 2018 & 2019
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
1e. Asked another student to help you understand course material	57	+31	+11	+14
1f. Explained course material to one or more students	73	+31	+12	+15
1g. Prepared for exams by discussing or working through course material with other students	60	+27	+12	+14
1h. Worked with other students on course projects or assignments	75	+7	+9	+13
<i>Discussions with Diverse Others</i>				
<i>Percentage of students who responded that they "Very often" or "Often" had discussions with...</i>				
8a. People of a race or ethnicity other than your own	75	-2	+4	+3
8b. People from an economic background other than your own	76	+1	+3	+3
8c. People with religious beliefs other than your own	66	+0	-2	-2
8d. People with political views other than your own	75	+5	+9	+9

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## Experiences with Faculty: First-year students

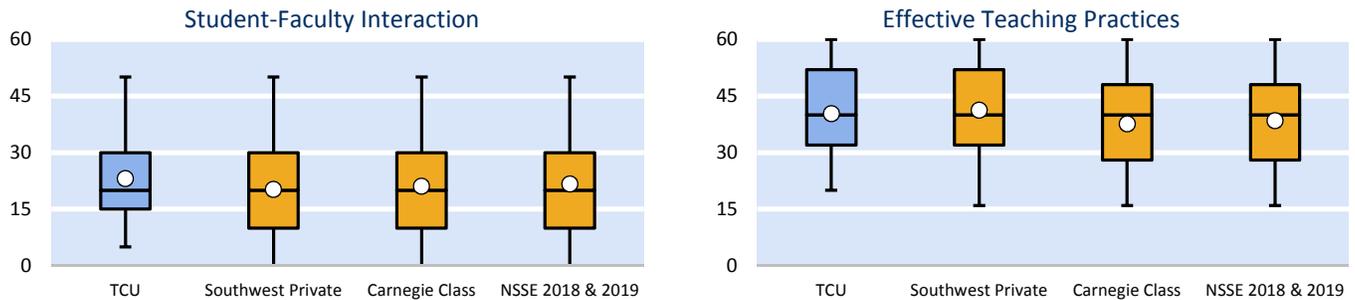
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course material and provide feedback in student-centered ways. Two Engagement Indicators investigate this theme: *Student-Faculty Interaction* and *Effective Teaching Practices*. Below are three views of your results alongside those of your comparison groups.

### Mean Comparisons

Engagement Indicator	TCU Mean	Your first-year students compared with					
		Southwest Private Mean	Effect size	Carnegie Class Mean	Effect size	NSSE 2018 & 2019 Mean	Effect size
Student-Faculty Interaction	23.1	20.2 **	.19	21.1 *	.14	21.7	.09
Effective Teaching Practices	40.3	41.2	-.07	37.6 ***	.21	38.5 *	.14

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding: \**p* < .05, \*\**p* < .01, \*\*\**p* < .001 (2-tailed).

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Student-Faculty Interaction	TCU %	Percentage point difference <sup>a</sup> between your FY students and		
		Southwest Private	Carnegie Class	NSSE 2018 & 2019
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
3a. Talked about career plans with a faculty member	39	+2	+2	+0
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	23	+4	+2	+1
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	31	+7	+6	+5
3d. Discussed your academic performance with a faculty member	34	+3	+5	+3
<i>Effective Teaching Practices</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	80	+0	+4	+3
5b. Taught course sessions in an organized way	83	+5	+11	+9
5c. Used examples or illustrations to explain difficult points	77	+1	+4	+3
5d. Provided feedback on a draft or work in progress	68	-4	+6	+4
5e. Provided prompt and detailed feedback on tests or completed assignments	66	-1	+10	+6

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

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## Experiences with Faculty: Seniors

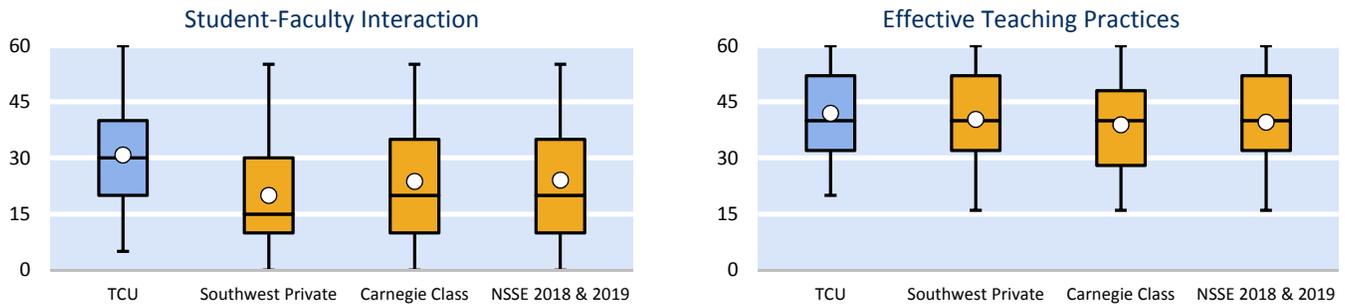
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		Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	30.7	20.0 ***	.69	23.7 ***	.45	24.1 ***	.41
Effective Teaching Practices	41.9	40.3 *	.11	38.8 ***	.23	39.6 **	.17

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding: \**p* < .05, \*\**p* < .01, \*\*\**p* < .001 (2-tailed).

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Student-Faculty Interaction	TCU %	Percentage point difference <sup>a</sup> between your seniors and		
		Southwest Private	Carnegie Class	NSSE 2018 & 2019
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
3a. Talked about career plans with a faculty member	59	+20	+16	+15
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	41	+21	+13	+13
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	46	+24	+14	+14
3d. Discussed your academic performance with a faculty member	46	+17	+14	+12
<i>Effective Teaching Practices</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	84	+4	+5	+4
5b. Taught course sessions in an organized way	84	+5	+8	+6
5c. Used examples or illustrations to explain difficult points	85	+13	+8	+8
5d. Provided feedback on a draft or work in progress	66	+3	+7	+5
5e. Provided prompt and detailed feedback on tests or completed assignments	67	-2	+5	+3

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

### Campus Environment: First-year students

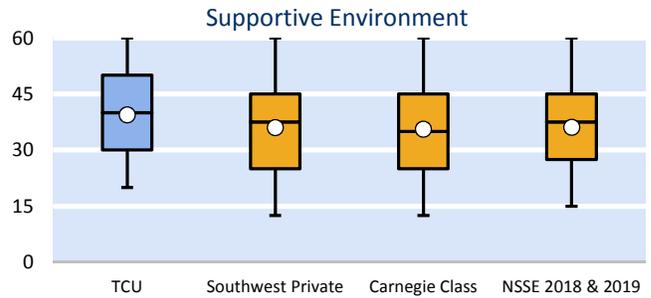
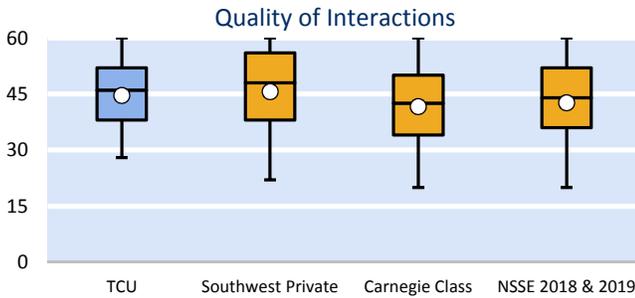
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

#### Mean Comparisons

Engagement Indicator	TCU Mean	Your first-year students compared with					
		Southwest Private		Carnegie Class		NSSE 2018 & 2019	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	44.6	45.6	-.08	41.7 ***	.24	42.6 **	.16
Supportive Environment	39.4	36.0 ***	.24	35.6 ***	.29	36.1 ***	.25

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; \**p* < .05, \*\**p* < .01, \*\*\**p* < .001 (2-tailed).

#### Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

#### Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Quality of Interactions	TCU	Percentage point difference <sup>a</sup> between your FY students and		
		Southwest Private	Carnegie Class	NSSE 2018 & 2019
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>				
13a. Students	60	-0	+11	+9
13b. Academic advisors	52	-9	+2	-1
13c. Faculty	60	-2	+13	+9
13d. Student services staff (career services, student activities, housing, etc.)	55	+0	+11	+9
13e. Other administrative staff and offices (registrar, financial aid, etc.)	52	-5	+10	+7
<i>Supportive Environment</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>				
14b. Providing support to help students succeed academically	79	-0	+4	+3
14c. Using learning support services (tutoring services, writing center, etc.)	74	-6	-2	-3
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	63	-3	+4	+2
14e. Providing opportunities to be involved socially	79	+8	+8	+8
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	82	+17	+13	+13
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	49	+4	+10	+8
14h. Attending campus activities and events (performing arts, athletic events, etc.)	84	+30	+20	+20
14i. Attending events that address important social, economic, or political issues	51	+10	+4	+2

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

### Campus Environment: Seniors

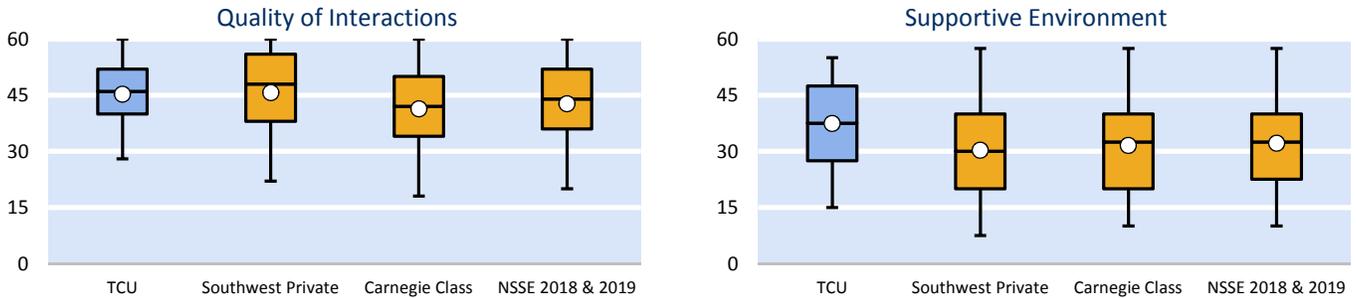
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

#### Mean Comparisons

Engagement Indicator	TCU Mean	Your seniors compared with					
		Southwest Private Mean	Effect size	Carnegie Class Mean	Effect size	NSSE 2018 & 2019 Mean	Effect size
Quality of Interactions	45.3	45.7	-.03	41.4 ***	.32	42.8 ***	.21
Supportive Environment	37.4	30.3 ***	.48	31.6 ***	.42	32.2 ***	.37

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; \**p* < .05, \*\**p* < .01, \*\*\**p* < .001 (2-tailed).

#### Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

#### Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Quality of Interactions	TCU %	Percentage point difference <sup>a</sup> between your seniors and		
		Southwest Private	Carnegie Class	NSSE 2018 & 2019
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>				
13a. Students	59	-4	+4	+2
13b. Academic advisors	49	-15	+1	-4
13c. Faculty	66	+0	+13	+9
13d. Student services staff (career services, student activities, housing, etc.)	59	+6	+19	+16
13e. Other administrative staff and offices (registrar, financial aid, etc.)	54	-2	+15	+10
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>				
14b. Providing support to help students succeed academically	78	+5	+9	+7
14c. Using learning support services (tutoring services, writing center, etc.)	67	-5	+2	-0
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	54	-5	+2	-0
14e. Providing opportunities to be involved socially	82	+25	+18	+18
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	81	+31	+22	+21
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	38	+4	+9	+7
14h. Attending campus activities and events (performing arts, athletic events, etc.)	80	+45	+28	+29
14i. Attending events that address important social, economic, or political issues	53	+24	+13	+12

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

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### Comparisons with Top 50% and Top 10% Institutions

While NSSE's policy is not to rank institutions (see [nsse.indiana.edu/links/PNP](https://nsse.indiana.edu/links/PNP)), the results below are designed to compare the engagement of your students with those attending two groups of institutions identified by NSSE<sup>a</sup> for their high average levels of student engagement:

- (a) institutions with average scores placing them in the top 50% of all 2018 and 2019 NSSE institutions, and
- (b) institutions with average scores placing them in the top 10% of all 2018 and 2019 NSSE institutions.

While the average scores for most institutions are below the mean for the top 50% or top 10%, your institution may show areas of distinction where your average student was as engaged as (or even more engaged than) the typical student at high-performing institutions. A check mark (✓) signifies those comparisons where your average score was at least comparable<sup>b</sup> to that of the high-performing group. However, the presence of a check mark does not necessarily mean that your institution was a member of that group.

It should be noted that most of the variability in student engagement is within, not between, institutions. Even "high-performing" institutions have students with engagement levels below the average for all institutions.

#### First-Year Students

Theme	Engagement Indicator	TCU Mean	Your first-year students compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
<i>Academic Challenge</i>	Higher-Order Learning	38.6	39.3	-.05	✓	41.0 **	-.18	
	Reflective and Integrative Learning	36.4	36.8	-.04	✓	38.8 ***	-.20	
	Learning Strategies	40.6	39.9	.05	✓	42.5 *	-.14	
	Quantitative Reasoning	27.9	29.3	-.09	✓	30.8 **	-.19	
<i>Learning with Peers</i>	Collaborative Learning	34.4	35.4	-.08	✓	37.7 ***	-.24	
	Discussions with Diverse Others	41.7	41.3	.03	✓	43.2	-.10	
<i>Experiences with Faculty</i>	Student-Faculty Interaction	23.1	24.9 *	-.13		28.0 ***	-.32	
	Effective Teaching Practices	40.3	40.6	-.03	✓	42.7 **	-.17	
<i>Campus Environment</i>	Quality of Interactions	44.6	44.9	-.02	✓	47.1 ***	-.21	
	Supportive Environment	39.4	38.1	.10	✓	40.1	-.05	✓

#### Seniors

Theme	Engagement Indicator	TCU Mean	Your seniors compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
<i>Academic Challenge</i>	Higher-Order Learning	41.3	41.8	-.04	✓	43.0 *	-.13	
	Reflective and Integrative Learning	41.0	39.9	.09	✓	41.6	-.05	✓
	Learning Strategies	38.7	40.8 **	-.15		42.6 ***	-.27	
	Quantitative Reasoning	30.8	31.3	-.03	✓	32.7 *	-.13	
<i>Learning with Peers</i>	Collaborative Learning	37.9	36.1 *	.13	✓	38.7	-.05	✓
	Discussions with Diverse Others	41.3	42.0	-.05	✓	43.5 **	-.15	
<i>Experiences with Faculty</i>	Student-Faculty Interaction	30.7	29.9	.06	✓	34.2 ***	-.22	
	Effective Teaching Practices	41.9	41.8	.01	✓	43.6 *	-.12	
<i>Campus Environment</i>	Quality of Interactions	45.3	45.2	.01	✓	47.4 ***	-.17	
	Supportive Environment	37.4	34.8 ***	.19	✓	37.0	.03	✓

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by the pooled standard deviation; \*p < .05, \*\*p < .01, \*\*\*p < .001 (2-tailed).

a. Precision-weighted means (produced by Hierarchical Linear Modeling) were used to determine the top 50% and top 10% institutions for each Engagement Indicator from all NSSE 2018 and 2019 institutions, separately by class. Using this method, Engagement Indicator scores of institutions with relatively large standard errors were adjusted toward the mean of all students, while those with smaller standard errors received smaller corrections. As a result, schools with less stable data—even those with high average scores—may not be among the top scorers. NSSE does not publish the names of the top 50% and top 10% institutions because of our commitment not to release institutional results and our policy against ranking institutions.

b. Check marks are assigned to comparisons that are either significant and positive, or non-significant with an effect size > -.10.

#### Detailed Statistics: First-Year Students

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <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>												
TCU (N = 267)	38.6	13.1	.80	20	30	40	50	60				
Southwest Private	39.9	13.7	.21	20	30	40	50	60	4,547	-1.2	.163	-.088
Carnegie Class	37.7	13.1	.09	20	30	40	45	60	23,550	1.0	.223	.075
NSSE 2018 & 2019	38.0	13.2	.04	20	30	40	45	60	123,477	.7	.410	.050
Top 50%	39.3	13.0	.05	20	30	40	50	60	66,063	-.7	.384	-.053
Top 10%	41.0	13.0	.10	20	35	40	50	60	17,308	-2.4	.003	-.182
<b>Reflective &amp; Integrative Learning</b>												
TCU (N = 281)	36.4	11.0	.65	20	29	34	43	57				
Southwest Private	37.0	12.1	.18	17	29	37	46	60	323	-.6	.346	-.053
Carnegie Class	35.1	11.9	.08	17	26	34	43	57	287	1.3	.054	.107
NSSE 2018 & 2019	35.2	12.0	.03	17	26	34	43	57	281	1.1	.086	.094
Top 50%	36.8	11.8	.05	17	29	37	46	57	66,527	-.4	.557	-.035
Top 10%	38.8	11.8	.10	20	31	40	46	60	14,056	-2.4	.001	-.203
<b>Learning Strategies</b>												
TCU (N = 252)	40.6	13.5	.85	20	27	40	53	60				
Southwest Private	41.1	14.2	.22	20	33	40	53	60	4,364	-.6	.541	-.040
Carnegie Class	37.4	13.8	.09	13	27	40	47	60	22,268	3.1	.000	.229
NSSE 2018 & 2019	38.1	13.8	.04	20	27	40	47	60	117,394	2.4	.005	.176
Top 50%	39.9	13.7	.06	20	33	40	53	60	57,106	.7	.429	.050
Top 10%	42.5	14.0	.12	20	33	40	53	60	13,253	-1.9	.030	-.138
<b>Quantitative Reasoning</b>												
TCU (N = 252)	27.9	14.3	.90	0	20	27	40	53				
Southwest Private	26.7	16.2	.25	0	13	27	40	60	292	1.2	.203	.074
Carnegie Class	27.9	15.2	.10	0	20	27	40	60	22,620	.0	.959	-.003
NSSE 2018 & 2019	27.8	15.3	.04	0	20	27	40	60	119,215	.1	.957	.003
Top 50%	29.3	15.2	.06	7	20	27	40	60	69,256	-1.4	.149	-.091
Top 10%	30.8	15.2	.11	7	20	33	40	60	18,794	-2.9	.003	-.190
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
TCU (N = 309)	34.4	12.8	.73	15	25	35	40	60				
Southwest Private	27.0	17.1	.25	0	15	25	40	60	382	7.4	.000	.439
Carnegie Class	33.4	14.0	.09	10	25	35	40	60	316	1.0	.179	.071
NSSE 2018 & 2019	32.4	14.7	.04	5	20	30	40	60	309	2.0	.007	.135
Top 50%	35.4	13.7	.05	15	25	35	45	60	72,175	-1.0	.186	-.075
Top 10%	37.7	13.6	.11	15	30	40	50	60	15,833	-3.3	.000	-.241
<b>Discussions with Diverse Others</b>												
TCU (N = 253)	41.7	14.0	.88	20	30	40	55	60				
Southwest Private	39.7	16.4	.25	10	30	40	55	60	296	2.1	.023	.129
Carnegie Class	39.2	15.4	.10	15	30	40	50	60	22,462	2.5	.010	.163
NSSE 2018 & 2019	39.4	15.6	.05	15	30	40	55	60	118,267	2.4	.016	.151
Top 50%	41.3	15.0	.06	20	30	40	55	60	68,554	.4	.656	.028
Top 10%	43.2	14.4	.12	20	35	40	60	60	15,630	-1.5	.101	-.104

#### Detailed Statistics: First-Year Students

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <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>												
TCU (N = 276)	23.1	13.5	.81	5	15	20	30	50				
Southwest Private	20.2	14.8	.22	0	10	20	30	50	4,674	2.8	.002	.192
Carnegie Class	21.1	14.6	.09	0	10	20	30	50	24,323	2.0	.024	.137
NSSE 2018 & 2019	21.7	14.7	.04	0	10	20	30	50	127,331	1.4	.115	.095
Top 50%	24.9	14.8	.07	5	15	20	35	55	279	-1.9	.021	-.127
Top 10%	28.0	15.5	.18	5	15	25	40	60	305	-4.9	.000	-.318
<b>Effective Teaching Practices</b>												
TCU (N = 262)	40.3	12.5	.77	20	32	40	52	60				
Southwest Private	41.2	14.3	.22	16	32	40	52	60	305	-.9	.239	-.066
Carnegie Class	37.6	13.0	.09	16	28	40	48	60	23,487	2.7	.001	.209
NSSE 2018 & 2019	38.5	13.2	.04	16	28	40	48	60	123,356	1.8	.026	.137
Top 50%	40.6	13.2	.06	20	32	40	52	60	50,106	-.3	.677	-.026
Top 10%	42.7	14.0	.12	20	32	44	56	60	275	-2.4	.002	-.173
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
TCU (N = 247)	44.6	10.3	.65	28	38	46	52	60				
Southwest Private	45.6	12.6	.20	22	38	48	56	60	296	-1.0	.128	-.084
Carnegie Class	41.7	12.0	.08	20	34	43	50	60	254	2.9	.000	.244
NSSE 2018 & 2019	42.6	12.1	.04	20	36	44	52	60	247	1.9	.003	.161
Top 50%	44.9	11.5	.05	24	38	46	54	60	249	-.3	.684	-.023
Top 10%	47.1	11.8	.11	24	40	50	58	60	260	-2.5	.000	-.212
<b>Supportive Environment</b>												
TCU (N = 250)	39.4	12.0	.76	20	30	40	50	60				
Southwest Private	36.0	14.2	.23	13	25	38	45	60	295	3.4	.000	.242
Carnegie Class	35.6	13.3	.09	13	25	35	45	60	21,674	3.8	.000	.285
NSSE 2018 & 2019	36.1	13.5	.04	15	28	38	45	60	251	3.3	.000	.246
Top 50%	38.1	13.2	.06	18	30	40	48	60	54,978	1.3	.123	.098
Top 10%	40.1	13.2	.13	18	30	40	50	60	11,368	-.7	.424	-.051

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).

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 (equal to the sample mean +/- 1.96 x SE) is the range that is 95% likely to contain the true population mean.

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 vary from the total Ns due to weighting and 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.

g. Effect size is the mean difference divided by the pooled standard deviation.

#### Detailed Statistics: Seniors

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <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>												
TCU (N = 338)	41.3	12.8	.69	20	35	40	50	60				
Southwest Private	42.2	13.6	.19	20	35	40	55	60	5,233	-.9	.243	-.066
Carnegie Class	39.4	13.7	.09	15	30	40	50	60	25,467	1.9	.011	.140
NSSE 2018 & 2019	40.0	13.6	.04	20	30	40	50	60	137,480	1.3	.082	.095
Top 50%	41.8	13.5	.06	20	35	40	55	60	57,440	-.5	.517	-.035
Top 10%	43.0	13.5	.11	20	35	40	55	60	15,994	-1.7	.020	-.128
<b>Reflective &amp; Integrative Learning</b>												
TCU (N = 358)	41.0	11.7	.62	20	34	40	49	60				
Southwest Private	40.3	12.2	.17	20	31	40	49	60	5,489	.7	.302	.056
Carnegie Class	37.6	12.5	.08	17	29	37	46	60	26,864	3.4	.000	.273
NSSE 2018 & 2019	38.0	12.4	.03	17	29	37	46	60	144,710	3.0	.000	.239
Top 50%	39.9	12.2	.05	20	31	40	49	60	54,858	1.1	.093	.089
Top 10%	41.6	12.2	.12	20	34	40	51	60	10,713	-.6	.333	-.052
<b>Learning Strategies</b>												
TCU (N = 325)	38.7	14.7	.82	13	27	40	53	60				
Southwest Private	41.6	14.8	.21	13	33	40	53	60	5,058	-2.9	.001	-.196
Carnegie Class	37.6	14.6	.09	13	27	40	47	60	24,394	1.1	.191	.073
NSSE 2018 & 2019	38.5	14.5	.04	13	27	40	47	60	132,131	.2	.767	.016
Top 50%	40.8	14.4	.06	20	33	40	53	60	60,059	-2.1	.009	-.146
Top 10%	42.6	14.3	.10	20	33	40	60	60	19,475	-3.9	.000	-.272
<b>Quantitative Reasoning</b>												
TCU (N = 328)	30.8	16.4	.91	0	20	27	40	60				
Southwest Private	29.6	16.2	.23	0	20	27	40	60	5,136	1.2	.210	.072
Carnegie Class	29.8	16.2	.10	0	20	27	40	60	24,699	.9	.295	.058
NSSE 2018 & 2019	29.8	16.1	.04	0	20	27	40	60	133,767	.9	.305	.057
Top 50%	31.3	16.0	.06	7	20	33	40	60	73,881	-.5	.549	-.033
Top 10%	32.7	15.8	.11	7	20	33	40	60	20,813	-2.0	.024	-.126
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
TCU (N = 372)	37.9	13.1	.68	15	30	40	45	60				
Southwest Private	27.8	14.4	.20	5	20	25	35	55	436	10.1	.000	.706
Carnegie Class	33.4	15.0	.09	10	20	35	45	60	384	4.5	.000	.302
NSSE 2018 & 2019	31.8	15.7	.04	5	20	30	40	60	373	6.1	.000	.389
Top 50%	36.1	14.0	.06	15	25	35	45	60	64,204	1.8	.014	.128
Top 10%	38.7	13.5	.14	15	30	40	50	60	10,200	-.7	.298	-.055
<b>Discussions with Diverse Others</b>												
TCU (N = 324)	41.3	13.1	.73	20	30	40	50	60				
Southwest Private	41.4	16.5	.24	15	30	40	60	60	397	-.1	.887	-.007
Carnegie Class	40.0	15.8	.10	15	30	40	55	60	336	1.3	.085	.081
NSSE 2018 & 2019	40.1	16.0	.04	15	30	40	55	60	325	1.2	.109	.073
Top 50%	42.0	15.6	.06	15	30	40	60	60	327	-.8	.290	-.050
Top 10%	43.5	15.4	.11	20	35	45	60	60	338	-2.3	.002	-.147

#### Detailed Statistics: Seniors

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <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>												
TCU (N = 349)	30.7	15.3	.82	5	20	30	40	60				
Southwest Private	20.0	15.7	.22	0	10	15	30	55	5,352	10.8	.000	.686
Carnegie Class	23.7	15.9	.10	0	10	20	35	55	26,040	7.1	.000	.446
NSSE 2018 & 2019	24.1	16.1	.04	0	10	20	35	55	140,485	6.7	.000	.415
Top 50%	29.9	15.9	.09	5	20	30	40	60	29,762	.9	.303	.055
Top 10%	34.2	15.8	.24	10	20	35	45	60	4,510	-3.4	.000	-.219
<b>Effective Teaching Practices</b>												
TCU (N = 339)	41.9	12.4	.67	20	32	40	52	60				
Southwest Private	40.3	14.6	.21	16	32	40	52	60	406	1.6	.021	.113
Carnegie Class	38.8	13.7	.09	16	28	40	48	60	350	3.1	.000	.226
NSSE 2018 & 2019	39.6	13.8	.04	16	32	40	52	60	137,489	2.4	.002	.171
Top 50%	41.8	13.6	.06	20	32	40	52	60	344	.2	.819	.011
Top 10%	43.6	13.6	.12	20	36	44	56	60	360	-1.7	.016	-.122
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
TCU (N = 315)	45.3	9.9	.56	28	40	46	52	60				
Southwest Private	45.7	12.6	.19	22	38	48	56	60	395	-.4	.504	-.032
Carnegie Class	41.4	12.3	.08	18	34	42	50	60	328	3.9	.000	.320
NSSE 2018 & 2019	42.8	12.2	.03	20	36	44	52	60	317	2.6	.000	.210
Top 50%	45.2	11.8	.05	23	38	48	54	60	320	.2	.760	.015
Top 10%	47.4	12.0	.09	24	40	50	58	60	332	-2.1	.000	-.174
<b>Supportive Environment</b>												
TCU (N = 314)	37.4	12.6	.71	15	28	38	48	55				
Southwest Private	30.3	14.9	.22	8	20	30	40	58	375	7.1	.000	.482
Carnegie Class	31.6	13.9	.09	10	20	33	40	58	323	5.8	.000	.417
NSSE 2018 & 2019	32.2	14.1	.04	10	23	33	40	58	315	5.3	.000	.372
Top 50%	34.8	14.0	.06	13	25	35	45	60	318	2.7	.000	.193
Top 10%	37.0	14.1	.14	13	28	38	48	60	339	.5	.505	.035

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).

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 (equal to the sample mean +/- 1.96 x SE) is the range that is 95% likely to contain the true population mean.

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 vary from the total Ns due to weighting and 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.

g. Effect size is the mean difference divided by the pooled standard deviation.