



NSSE 2021

Engagement Indicators

Norfolk State University

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 2020 and 2021 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. Your NSSE Tableau dashboards and Report Builder (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

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.

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

Theme	Engagement Indicator	Your first-year students compared with Southeast Public	Your first-year students compared with Carnegie Class	Your first-year students compared with NSSE 2020 & 2021
Academic Challenge	Higher-Order Learning	--	--	--
	Reflective & Integrative Learning	△	--	--
	Learning Strategies	--	--	--
	Quantitative Reasoning	--	--	--
Learning with Peers	Collaborative Learning	--	--	--
	Discussions with Diverse Others	▼	▼	▼
Experiences with Faculty	Student-Faculty Interaction	△	--	△
	Effective Teaching Practices	▽	▽	▽
Campus Environment	Quality of Interactions	▼	▼	▼
	Supportive Environment	--	--	--

Seniors

Theme	Engagement Indicator	Your seniors compared with Southeast Public	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2020 & 2021
Academic Challenge	Higher-Order Learning	△	△	△
	Reflective & Integrative Learning	△	△	△
	Learning Strategies	--	--	△
	Quantitative Reasoning	--	--	--
Learning with Peers	Collaborative Learning	--	--	--
	Discussions with Diverse Others	▼	▼	▼
Experiences with Faculty	Student-Faculty Interaction	△	--	▲
	Effective Teaching Practices	▽	▽	▽
Campus Environment	Quality of Interactions	--	▽	--
	Supportive Environment	--	△	△

Academic Challenge: First-year students

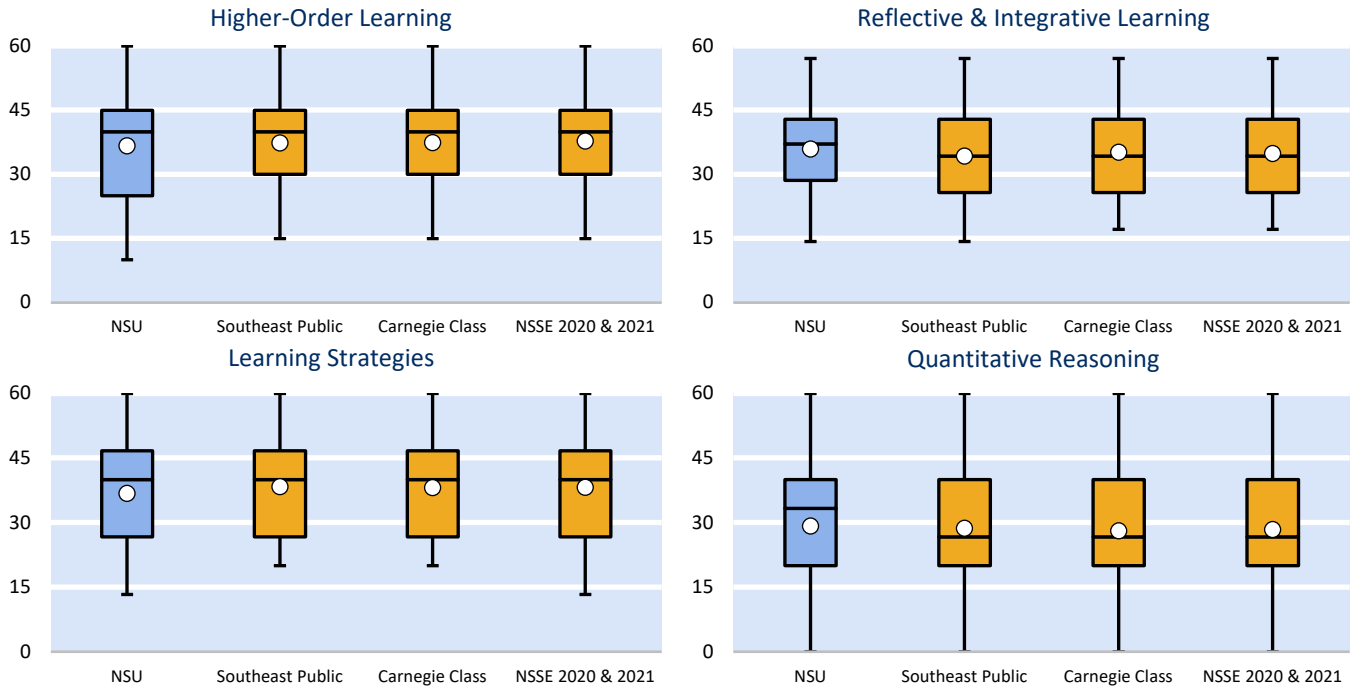
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *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	NSU Mean	Your first-year students compared with					
		Southeast Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	36.7	37.4	-.05	37.4	-.06	37.8	-.08
Reflective & Integrative Learning	35.9	34.3 *	.13	35.2	.06	34.9	.09
Learning Strategies	36.8	38.3	-.11	38.1	-.10	38.2	-.10
Quantitative Reasoning	29.2	28.6	.04	28.1	.08	28.4	.05

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.

	NSU	Percentage point difference ^a between your FY students and		
		Southeast Public	Carnegie Class	NSSE 2020 & 2021
Higher-Order Learning				
<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	60	-9	-8	-9
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	60	-7	-7	-8
4d. Evaluating a point of view, decision, or information source	68	+0	-1	-1
4e. Forming a new idea or understanding from various pieces of information	71	+4	+2	+2
Reflective & Integrative Learning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	44	-4	-7	-6
2b. Connected your learning to societal problems or issues	53	+5	+0	+2
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	59	+9	+6	+8
2d. Examined the strengths and weaknesses of your own views on a topic or issue	68	+7	+5	+6
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	72	+3	+1	+2
2f. Learned something that changed the way you understand an issue or concept	69	+6	+2	+3
2g. Connected ideas from your courses to your prior experiences and knowledge	72	-2	-4	-4
Learning Strategies				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	68	-4	-6	-6
9b. Reviewed your notes after class	62	-5	-4	-3
9c. Summarized what you learned in class or from course materials	62	-3	-3	-2
Quantitative Reasoning				
<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.)	55	+1	+4	+2
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	46	+4	+5	+4
6c. Evaluated what others have concluded from numerical information	49	+9	+10	+9

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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

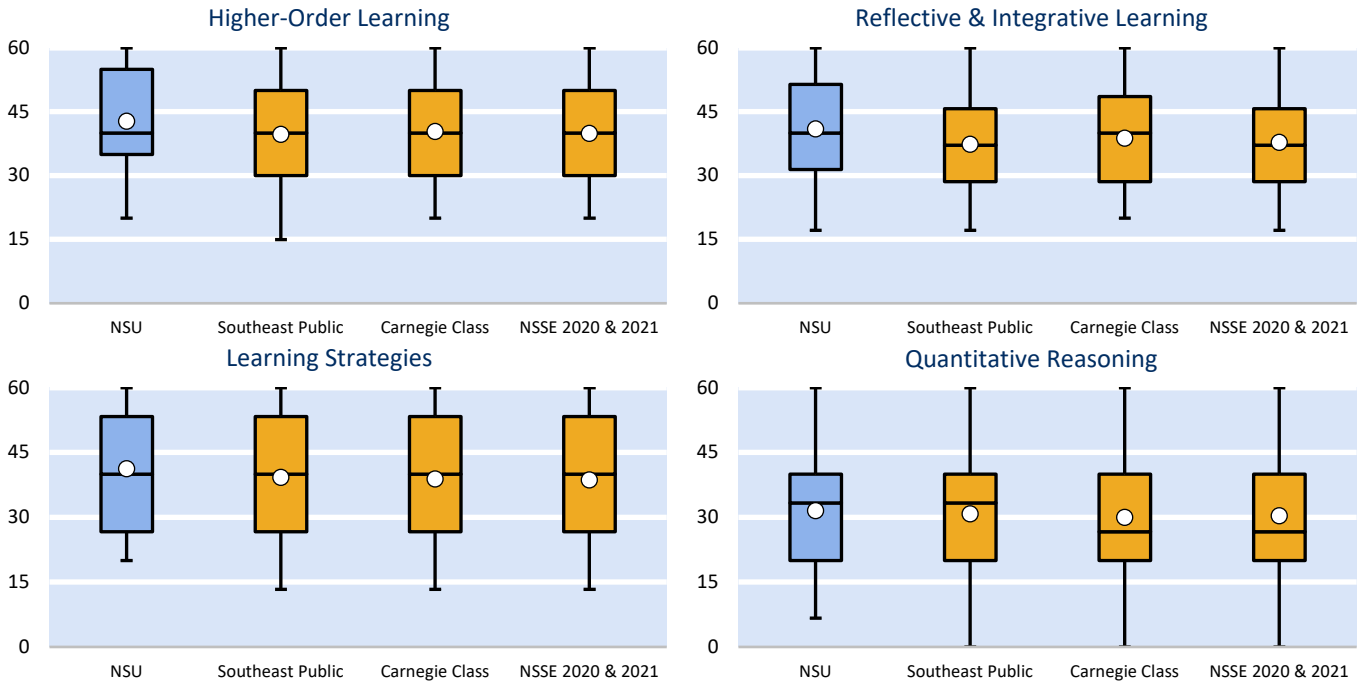
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *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	NSU Mean	Your seniors compared with					
		Southeast Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	42.7	39.6 **	.22	40.4 *	.18	39.9 *	.20
Reflective & Integrative Learning	40.9	37.3 ***	.28	38.8 *	.17	37.8 **	.24
Learning Strategies	41.2	39.2	.14	38.9	.16	38.6 *	.18
Quantitative Reasoning	31.6	30.8	.05	30.0	.10	30.4	.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).

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.

	NSU	Percentage point difference ^a between your seniors and		
		Southeast Public	Carnegie Class	NSSE 2020 & 2021
Higher-Order Learning				
<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	79	+2	+2	+3
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	77	+3	+3	+3
4d. Evaluating a point of view, decision, or information source	76	+7	+3	+5
4e. Forming a new idea or understanding from various pieces of information	76	+5	+3	+4
Reflective & Integrative Learning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	68	+2	-0	+2
2b. Connected your learning to societal problems or issues	66	+8	+2	+5
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	65	+16	+8	+12
2d. Examined the strengths and weaknesses of your own views on a topic or issue	78	+13	+10	+12
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	74	+2	-1	+1
2f. Learned something that changed the way you understand an issue or concept	80	+10	+9	+9
2g. Connected ideas from your courses to your prior experiences and knowledge	84	+3	+1	+1
Learning Strategies				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	79	+3	+0	+2
9b. Reviewed your notes after class	67	+2	+4	+4
9c. Summarized what you learned in class or from course materials	70	+4	+5	+5
Quantitative Reasoning				
<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.)	57	-1	+3	+1
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	51	+5	+5	+5
6c. Evaluated what others have concluded from numerical information	47	+0	+2	+1

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

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Learning with Peers: First-year students

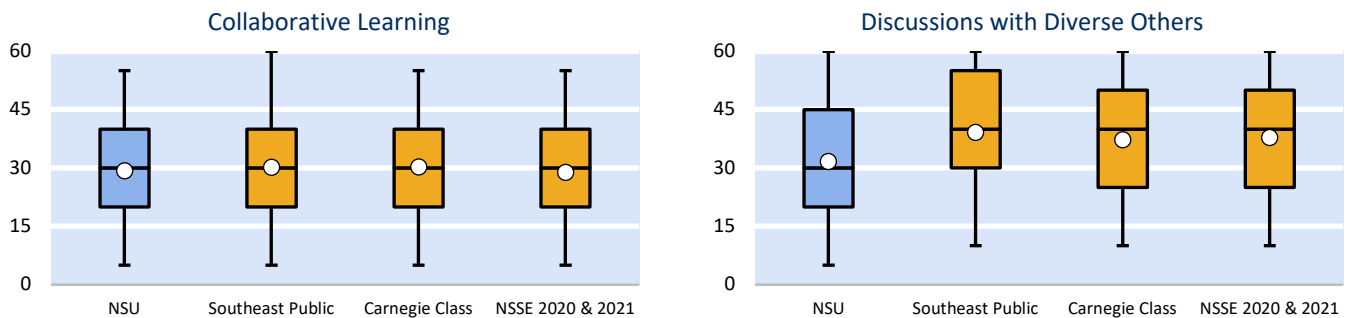
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions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

Mean Comparisons

Engagement Indicator	NSU Mean	Your first-year students compared with					
		Southeast Public		Carnegie Class		NSSE 2020 & 2021	
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	29.3	30.2	-.06	30.3	-.07	29.0	.02
Discussions with Diverse Others	31.7	39.2 ***	-.47	37.3 ***	-.36	37.9 ***	-.38

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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	NSU	Percentage point difference ^a between your FY students and		
		Southeast Public	Carnegie Class	NSSE 2020 & 2021
Collaborative Learning				
Percentage of students who responded that they "Very often" or "Often"...				
1b. Asked another student to help you understand course material	49	+1	+2	+4
1c. Explained course material to one or more students	51	-1	-1	+2
1d. Prepared for exams by discussing or working through course material with other students	41	-3	-3	-0
1e. Worked with other students on course projects or assignments	46	-2	-6	-1
Discussions with Diverse Others				
Percentage of students who responded that they "Very often" or "Often" had discussions with...				
8a. People of a race or ethnicity other than your own	49	-21	-16	-18
8b. People from an economic background other than your own	56	-14	-12	-12
8c. People with religious beliefs other than your own	47	-18	-13	-15
8d. People with political views other than your own	41	-24	-20	-19

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Learning with Peers: Seniors

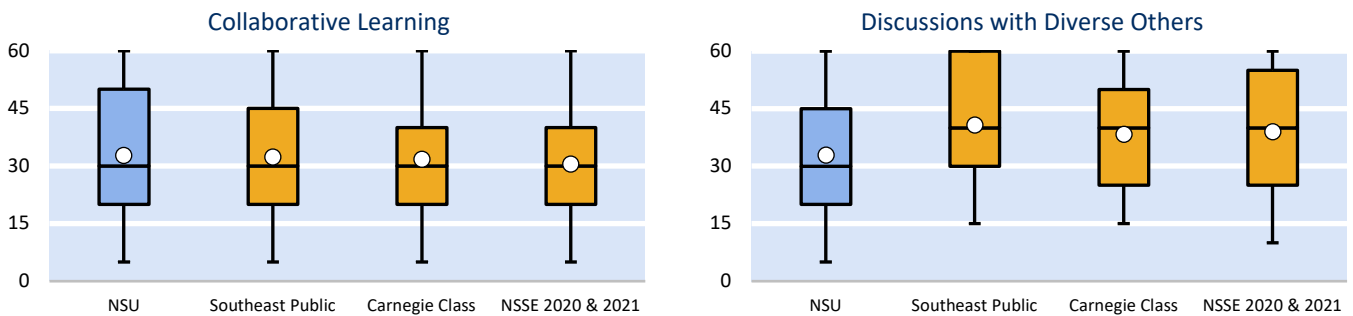
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Engagement Indicator	NSU Mean	Your seniors compared with					
		Southeast Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	32.8	32.4	.03	31.8	.06	30.6	.14
Discussions with Diverse Others	32.9	40.8 ***	-.48	38.3 ***	-.35	39.0 ***	-.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).

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	NSU	Percentage point difference ^a between your seniors and		
		Southeast Public	Carnegie Class	NSSE 2020 & 2021
Collaborative Learning				
Percentage of students who responded that they "Very often" or "Often"...				
1b. Asked another student to help you understand course material	49	+4	+7	+7
1c. Explained course material to one or more students	61	+4	+4	+7
1d. Prepared for exams by discussing or working through course material with other students	51	+4	+5	+7
1e. Worked with other students on course projects or assignments	59	-4	-4	-1
Discussions with Diverse Others				
Percentage of students who responded that they "Very often" or "Often" had discussions with...				
8a. People of a race or ethnicity other than your own	56	-17	-11	-14
8b. People from an economic background other than your own	54	-20	-16	-17
8c. People with religious beliefs other than your own	52	-17	-10	-14
8d. People with political views other than your own	45	-22	-19	-18

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Experiences with Faculty: First-year students

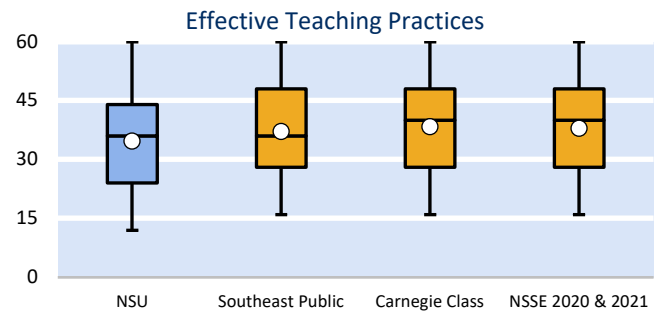
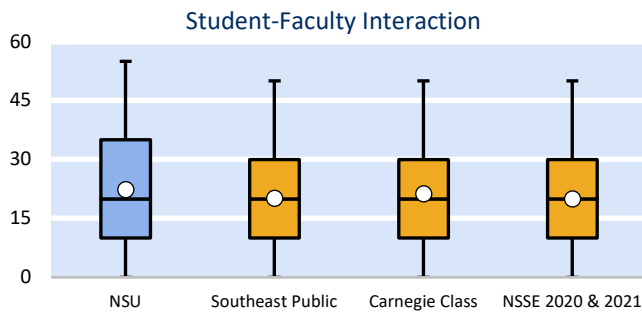
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course 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	NSU Mean	Your first-year students compared with					
		Southeast Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	22.4	20.2 *	.15	21.3	.07	20.0 *	.16
Effective Teaching Practices	34.7	37.2 *	-.18	38.4 ***	-.27	38.0 **	-.24

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Student-Faculty Interaction	NSU	Percentage point difference ^a between your FY students and		
		Southeast Public	Carnegie Class	NSSE 2020 & 2021
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
3a. Talked about career plans with a faculty member	43	+6	+5	+8
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	26	+6	+5	+7
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	31	+7	+5	+7
3d. Discussed your academic performance with a faculty member	39	+11	+9	+11
<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	67	-7	-9	-9
5b. Taught course sessions in an organized way	58	-13	-15	-15
5c. Used examples or illustrations to explain difficult points	62	-9	-11	-10
5d. Provided feedback on a draft or work in progress	61	+1	-4	-2
5e. Provided prompt and detailed feedback on tests or completed assignments	55	-0	-5	-4

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Experiences with Faculty: Seniors

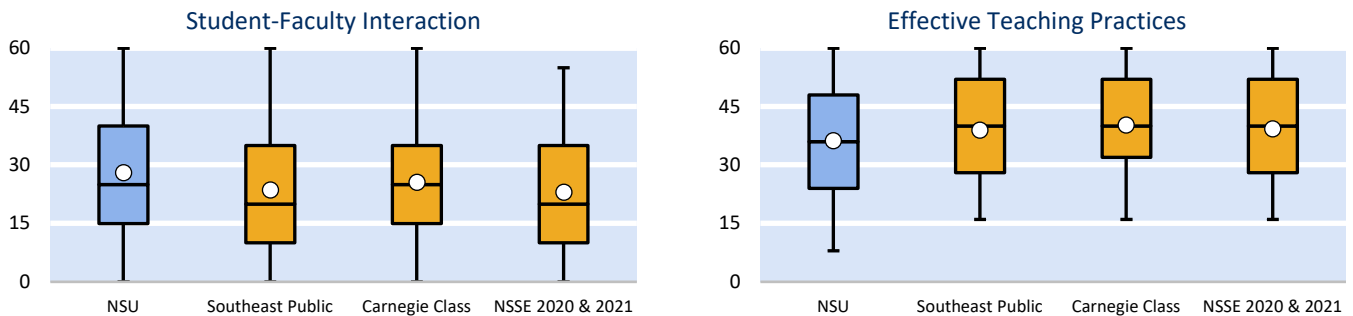
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Engagement Indicator	NSU Mean	Your seniors compared with					
		Southeast Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	28.0	23.5 **	.27	25.5	.15	23.0 ***	.32
Effective Teaching Practices	36.2	38.9 *	-.19	40.2 **	-.28	39.2 *	-.21

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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<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
	%			
3a. Talked about career plans with a faculty member	48	+6	+2	+7
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	34	+6	+3	+8
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	39	+7	+4	+8
3d. Discussed your academic performance with a faculty member	45	+12	+8	+13
<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	67	-10	-12	-11
5b. Taught course sessions in an organized way	59	-15	-18	-16
5c. Used examples or illustrations to explain difficult points	64	-11	-13	-12
5d. Provided feedback on a draft or work in progress	59	-2	-7	-3
5e. Provided prompt and detailed feedback on tests or completed assignments	58	-4	-9	-5

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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

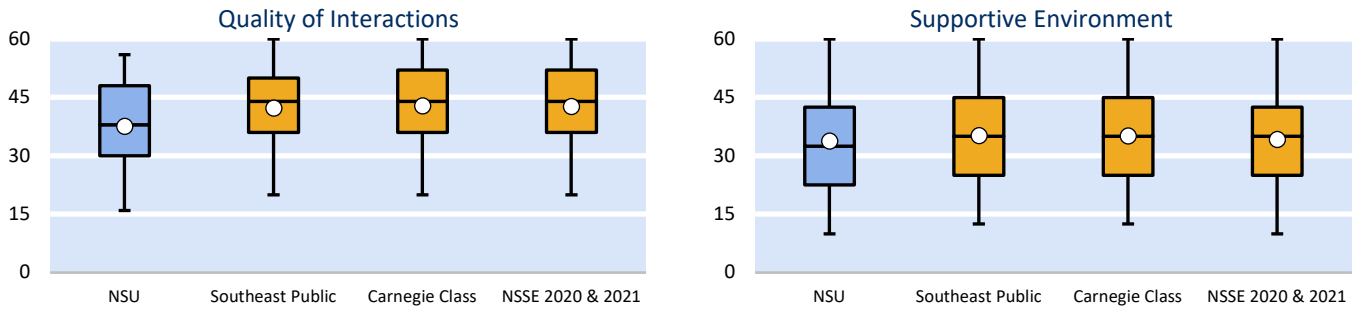
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your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

Mean Comparisons

Engagement Indicator	NSU Mean	Your first-year students compared with					
		Southeast Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	37.5	42.3 ***	-.38	42.8 ***	-.43	42.7 ***	-.41
Supportive Environment	33.7	35.2	-.10	35.0	-.09	34.2	-.03

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	NSU	Percentage point difference ^a between your FY students and		
		Southeast Public	Carnegie Class	NSSE 2020 & 2021
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>	%			
13a. Students	47	-3	-3	-3
13b. Academic advisors	32	-22	-22	-22
13c. Faculty	33	-15	-20	-18
13d. Student services staff (career services, student activities, housing, etc.)	41	-6	-7	-6
13e. Other administrative staff and offices (registrar, financial aid, etc.)	34	-9	-13	-12
<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	69	-4	-4	-4
14c. Using learning support services (tutoring services, writing center, etc.)	72	-3	-2	-2
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	57	-3	-4	-3
14e. Providing opportunities to be involved socially	60	-7	-7	-4
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	58	-9	-8	-7
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	43	+3	+1	+3
14h. Attending campus activities and events (performing arts, athletic events, etc.)	51	-12	-7	-5
14i. Attending events that address important social, economic, or political issues	46	+0	-1	+2

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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

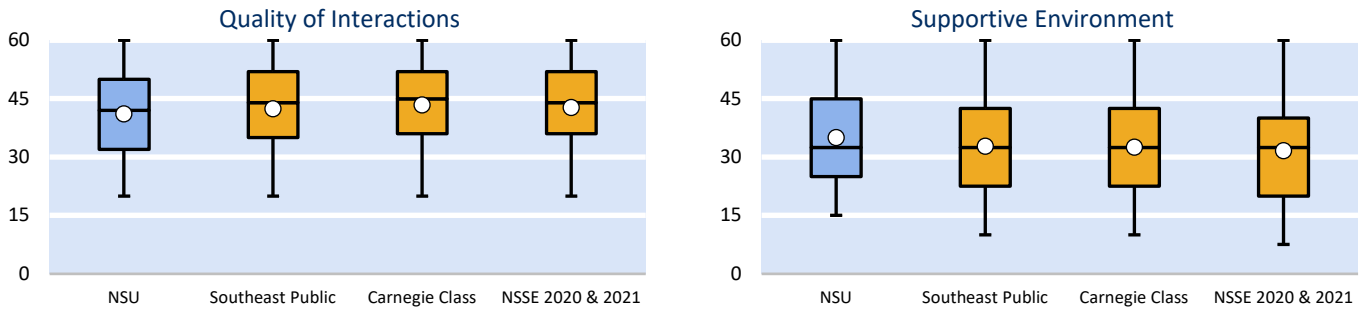
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your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

Mean Comparisons

Engagement Indicator	NSU Mean	Your seniors compared with					
		Southeast Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	41.1	42.5	-.11	43.4 *	-.19	42.8	-.13
Supportive Environment	35.1	32.9	.15	32.6 *	.18	31.7 **	.24

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	NSU	Percentage point difference ^a between your seniors and		
		Southeast Public	Carnegie Class	NSSE 2020 & 2021
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>				
	%			
13a. Students	60	+2	+1	+3
13b. Academic advisors	46	-6	-11	-8
13c. Faculty	44	-11	-16	-13
13d. Student services staff (career services, student activities, housing, etc.)	39	-6	-7	-6
13e. Other administrative staff and offices (registrar, financial aid, etc.)	40	-2	-6	-4
<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	66	-2	-4	-2
14c. Using learning support services (tutoring services, writing center, etc.)	67	+2	+1	+3
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	56	+0	+2	+2
14e. Providing opportunities to be involved socially	60	-6	-4	-2
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	58	-4	-2	-0
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	42	+9	+9	+10
14h. Attending campus activities and events (performing arts, athletic events, etc.)	57	-1	+5	+7
14i. Attending events that address important social, economic, or political issues	57	+15	+13	+16

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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 go.iu.edu/NSSE-PnP), the results below are designed to compare the engagement of your students with those attending two groups of institutions identified by NSSE^a for their high average levels of student engagement:

- (a) institutions with average scores placing them in the top 50% of all 2020 and 2021 NSSE institutions, and
- (b) institutions with average scores placing them in the top 10% of all 2020 and 2021 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^b 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	NSU Mean	Your first-year students compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	36.7	39.2 *	-.19		41.9 ***	-.40	
	Reflective and Integrative Learning	35.9	36.5	-.05	✓	39.1 ***	-.27	
	Learning Strategies	36.8	39.7 **	-.21		43.0 ***	-.43	
	Quantitative Reasoning	29.2	29.7	-.03	✓	32.5 **	-.21	
Learning with Peers	Collaborative Learning	29.3	33.9 ***	-.33		37.0 ***	-.56	
	Discussions with Diverse Others	31.7	40.6 ***	-.59		43.8 ***	-.84	
Experiences with Faculty	Student-Faculty Interaction	22.4	23.2	-.05	✓	27.8 ***	-.35	
	Effective Teaching Practices	34.7	40.4 ***	-.42		43.2 ***	-.63	
Campus Environment	Quality of Interactions	37.5	45.1 ***	-.66		47.7 ***	-.82	
	Supportive Environment	33.7	36.8 **	-.23		39.9 ***	-.48	

Seniors

Theme	Engagement Indicator	NSU Mean	Your seniors compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	42.7	41.6	.09	✓	43.9	-.09	✓
	Reflective and Integrative Learning	40.9	39.7	.10	✓	42.5	-.13	
	Learning Strategies	41.2	40.6	.05	✓	43.5	-.16	
	Quantitative Reasoning	31.6	31.6	.00	✓	34.8 *	-.21	
Learning with Peers	Collaborative Learning	32.8	35.0	-.16		38.8 ***	-.45	
	Discussions with Diverse Others	32.9	41.2 ***	-.53		44.2 ***	-.75	
Experiences with Faculty	Student-Faculty Interaction	28.0	28.5	-.03	✓	33.6 ***	-.35	
	Effective Teaching Practices	36.2	41.5 ***	-.38		44.6 ***	-.62	
Campus Environment	Quality of Interactions	41.1	45.2 ***	-.34		48.2 ***	-.59	
	Supportive Environment	35.1	34.1	.07	✓	37.2	-.15	

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 were used to determine the top 50% and top 10% institutions for each Engagement Indicator from all NSSE 2020 and 2021 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 ^d scores					Comparison results			
	Mean	SD ^b	SE ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
NSU (N = 208)	36.7	15.3	1.06	10	25	40	45	60				
Southeast Public	37.4	13.8	.08	15	30	40	45	60	209	-.7	.500	-.052
Carnegie Class	37.4	13.3	.15	15	30	40	45	60	216	-.8	.479	-.057
NSSE 2020 & 2021	37.8	13.5	.04	15	30	40	45	60	207	-1.1	.293	-.083
Top 50%	39.2	13.2	.05	20	30	40	50	60	208	-2.6	.017	-.194
Top 10%	41.9	12.9	.14	20	35	40	55	60	214	-5.2	.000	-.402
Reflective & Integrative Learning												
NSU (N = 256)	35.9	12.8	.80	14	29	37	43	57				
Southeast Public	34.3	12.5	.07	14	26	34	43	57	31,665	1.7	.034	.133
Carnegie Class	35.2	11.9	.13	17	26	34	43	57	8,594	.7	.331	.062
NSSE 2020 & 2021	34.9	12.2	.03	17	26	34	43	57	137,433	1.1	.161	.088
Top 50%	36.5	12.0	.05	17	29	37	46	57	67,283	-.6	.456	-.047
Top 10%	39.1	11.8	.13	20	31	40	49	60	7,919	-3.2	.000	-.270
Learning Strategies												
NSU (N = 179)	36.8	14.0	1.04	13	27	40	47	60				
Southeast Public	38.3	14.0	.09	20	27	40	47	60	26,380	-1.5	.151	-.108
Carnegie Class	38.1	13.7	.16	20	27	40	47	60	7,294	-1.3	.202	-.097
NSSE 2020 & 2021	38.2	14.0	.04	13	27	40	47	60	117,483	-1.4	.191	-.098
Top 50%	39.7	14.0	.06	20	27	40	53	60	61,653	-2.9	.005	-.211
Top 10%	43.0	14.3	.14	20	33	40	60	60	11,103	-6.2	.000	-.432
Quantitative Reasoning												
NSU (N = 192)	29.2	15.7	1.14	0	20	33	40	60				
Southeast Public	28.6	15.6	.10	0	20	27	40	60	26,895	.6	.621	.036
Carnegie Class	28.1	15.3	.18	0	20	27	40	60	7,451	1.2	.304	.075
NSSE 2020 & 2021	28.4	15.4	.04	0	20	27	40	60	119,419	.8	.462	.053
Top 50%	29.7	15.3	.06	7	20	27	40	60	75,593	-.5	.651	-.033
Top 10%	32.5	15.5	.16	7	20	33	40	60	10,078	-3.3	.004	-.210
Learning with Peers												
Collaborative Learning												
NSU (N = 296)	29.3	14.7	.86	5	20	30	40	55				
Southeast Public	30.2	14.8	.08	5	20	30	40	60	35,377	-.9	.306	-.060
Carnegie Class	30.3	14.5	.15	5	20	30	40	55	9,352	-1.0	.243	-.069
NSSE 2020 & 2021	29.0	15.2	.04	5	20	30	40	55	149,463	.4	.674	.024
Top 50%	33.9	13.9	.04	10	25	35	45	60	98,538	-4.5	.000	-.327
Top 10%	37.0	13.6	.10	15	25	40	45	60	19,691	-7.7	.000	-.561
Discussions with Diverse Others												
NSU (N = 183)	31.7	17.1	1.26	5	20	30	45	60				
Southeast Public	39.2	16.1	.10	10	30	40	55	60	184	-7.5	.000	-.467
Carnegie Class	37.3	15.5	.18	10	25	40	50	60	190	-5.6	.000	-.361
NSSE 2020 & 2021	37.9	16.1	.05	10	25	40	50	60	183	-6.2	.000	-.382
Top 50%	40.6	15.2	.05	15	30	40	55	60	183	-8.9	.000	-.587
Top 10%	43.8	14.4	.14	20	35	45	60	60	186	-12.1	.000	-.839

Detailed Statistics: First-Year Students

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SE ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
NSU (N = 230)	22.4	16.1	1.06	0	10	20	35	55				
Southeast Public	20.2	14.8	.09	0	10	20	30	50	232	2.2	.044	.145
Carnegie Class	21.3	14.7	.16	0	10	20	30	50	240	1.0	.346	.069
NSSE 2020 & 2021	20.0	14.5	.04	0	10	20	30	50	230	2.3	.028	.162
Top 50%	23.2	14.7	.07	0	10	20	30	50	231	-.8	.448	-.055
Top 10%	27.8	15.2	.21	5	15	25	40	60	5,485	-5.4	.000	-.355
Effective Teaching Practices												
NSU (N = 208)	34.7	14.9	1.03	12	24	36	44	60				
Southeast Public	37.2	13.8	.08	16	28	36	48	60	28,356	-2.4	.011	-.176
Carnegie Class	38.4	13.4	.15	16	28	40	48	60	216	-3.7	.000	-.275
NSSE 2020 & 2021	38.0	13.6	.04	16	28	40	48	60	208	-3.3	.002	-.243
Top 50%	40.4	13.5	.06	20	32	40	52	60	208	-5.7	.000	-.421
Top 10%	43.2	13.4	.16	20	36	44	56	60	218	-8.5	.000	-.629
Campus Environment												
Quality of Interactions												
NSU (N = 163)	37.5	12.6	.99	16	30	38	48	56				
Southeast Public	42.3	12.4	.08	20	36	44	50	60	24,363	-4.7	.000	-.380
Carnegie Class	42.8	12.3	.15	20	36	44	52	60	6,797	-5.3	.000	-.428
NSSE 2020 & 2021	42.7	12.4	.04	20	36	44	52	60	107,400	-5.1	.000	-.413
Top 50%	45.1	11.5	.06	24	38	46	54	60	163	-7.5	.000	-.657
Top 10%	47.7	12.3	.13	24	40	50	58	60	9,218	-10.1	.000	-.823
Supportive Environment												
NSU (N = 163)	33.7	14.6	1.15	10	23	33	43	60				
Southeast Public	35.2	14.1	.09	13	25	35	45	60	25,475	-1.4	.196	-.102
Carnegie Class	35.0	13.9	.17	13	25	35	45	60	7,021	-1.3	.237	-.094
NSSE 2020 & 2021	34.2	14.0	.04	10	25	35	43	60	113,571	-.5	.680	-.032
Top 50%	36.8	13.5	.06	15	28	38	45	60	163	-3.1	.008	-.230
Top 10%	39.9	12.8	.15	18	33	40	50	60	168	-6.2	.000	-.480

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 ^d scores					Comparison results			
	Mean	SD ^b	SE ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
NSU (N = 151)	42.7	13.8	1.12	20	35	40	55	60				
Southeast Public	39.6	14.1	.07	15	30	40	50	60	35,999	3.1	.007	.221
Carnegie Class	40.4	13.6	.15	20	30	40	50	60	8,580	2.4	.033	.176
NSSE 2020 & 2021	39.9	13.8	.03	20	30	40	50	60	159,097	2.8	.013	.204
Top 50%	41.6	13.6	.05	20	35	40	55	60	67,005	1.2	.295	.085
Top 10%	43.9	13.0	.15	20	35	40	55	60	7,491	-1.2	.281	-.089
Reflective & Integrative Learning												
NSU (N = 164)	40.9	13.3	1.04	17	31	40	51	60				
Southeast Public	37.3	13.0	.07	17	29	37	46	60	38,840	3.6	.000	.278
Carnegie Class	38.8	12.4	.13	20	29	40	49	60	9,137	2.2	.028	.173
NSSE 2020 & 2021	37.8	12.8	.03	17	29	37	46	60	170,015	3.1	.002	.244
Top 50%	39.7	12.4	.05	20	31	40	49	60	65,021	1.2	.220	.096
Top 10%	42.5	11.7	.16	23	34	43	51	60	171	-1.6	.141	-.132
Learning Strategies												
NSU (N = 145)	41.2	14.5	1.20	20	27	40	53	60				
Southeast Public	39.2	14.8	.08	13	27	40	53	60	33,870	2.0	.103	.136
Carnegie Class	38.9	14.6	.16	13	27	40	53	60	8,165	2.4	.052	.163
NSSE 2020 & 2021	38.6	14.7	.04	13	27	40	53	60	150,704	2.6	.034	.177
Top 50%	40.6	14.6	.05	20	33	40	53	60	76,511	.7	.572	.047
Top 10%	43.5	14.2	.14	20	33	40	60	60	10,104	-2.2	.061	-.157
Quantitative Reasoning												
NSU (N = 144)	31.6	16.5	1.37	7	20	33	40	60				
Southeast Public	30.8	16.4	.09	0	20	33	40	60	34,316	.8	.563	.048
Carnegie Class	30.0	16.3	.18	0	20	27	40	60	8,278	1.6	.254	.096
NSSE 2020 & 2021	30.4	16.4	.04	0	20	27	40	60	152,677	1.2	.381	.073
Top 50%	31.6	16.3	.05	0	20	33	40	60	93,448	.0	.974	-.003
Top 10%	34.8	15.8	.16	7	20	33	47	60	9,354	-3.3	.014	-.207
Learning with Peers												
Collaborative Learning												
NSU (N = 173)	32.8	17.3	1.32	5	20	30	50	60				
Southeast Public	32.4	15.4	.08	5	20	30	45	60	173	.4	.745	.028
Carnegie Class	31.8	15.2	.16	5	20	30	40	60	177	1.0	.464	.064
NSSE 2020 & 2021	30.6	15.9	.04	5	20	30	40	60	172	2.2	.093	.140
Top 50%	35.0	14.2	.05	10	25	35	45	60	172	-2.2	.092	-.158
Top 10%	38.8	13.4	.13	15	30	40	50	60	175	-6.0	.000	-.448
Discussions with Diverse Others												
NSU (N = 149)	32.9	16.9	1.38	5	20	30	45	60				
Southeast Public	40.8	16.2	.09	15	30	40	60	60	34,052	-7.8	.000	-.482
Carnegie Class	38.3	15.4	.17	15	25	40	50	60	153	-5.4	.000	-.349
NSSE 2020 & 2021	39.0	16.3	.04	10	25	40	55	60	151,375	-6.1	.000	-.374
Top 50%	41.2	15.6	.05	15	30	40	60	60	149	-8.3	.000	-.532
Top 10%	44.2	15.0	.12	20	35	45	60	60	151	-11.2	.000	-.749

Detailed Statistics: Seniors

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SE ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
NSU (N = 155)	28.0	18.1	1.46	0	15	25	40	60				
Southeast Public	23.5	16.4	.09	0	10	20	35	60	155	4.5	.002	.273
Carnegie Class	25.5	16.4	.18	0	15	25	35	60	158	2.5	.087	.154
NSSE 2020 & 2021	23.0	16.0	.04	0	10	20	35	55	154	5.1	.001	.316
Top 50%	28.5	16.0	.08	5	15	25	40	60	155	-.5	.730	-.032
Top 10%	33.6	15.9	.24	10	20	35	45	60	162	-5.6	.000	-.350
Effective Teaching Practices												
NSU (N = 155)	36.2	16.4	1.32	8	24	36	48	60				
Southeast Public	38.9	14.4	.08	16	28	40	52	60	155	-2.7	.041	-.189
Carnegie Class	40.2	14.1	.15	16	32	40	52	60	158	-4.0	.003	-.282
NSSE 2020 & 2021	39.2	14.2	.04	16	28	40	52	60	154	-3.0	.024	-.212
Top 50%	41.5	13.9	.06	16	32	40	52	60	155	-5.3	.000	-.382
Top 10%	44.6	13.3	.16	20	36	44	56	60	159	-8.3	.000	-.623
Campus Environment												
Quality of Interactions												
NSU (N = 133)	41.1	12.4	1.07	20	32	42	50	60				
Southeast Public	42.5	12.5	.07	20	35	44	52	60	31,098	-1.3	.220	-.107
Carnegie Class	43.4	12.2	.14	20	36	45	52	60	7,667	-2.3	.032	-.188
NSSE 2020 & 2021	42.8	12.5	.03	20	36	44	52	60	137,911	-1.7	.122	-.134
Top 50%	45.2	11.9	.05	22	38	48	54	60	54,394	-4.0	.000	-.339
Top 10%	48.2	11.9	.11	25	42	50	60	60	12,246	-7.1	.000	-.593
Supportive Environment												
NSU (N = 141)	35.1	14.9	1.25	15	25	33	45	60				
Southeast Public	32.9	14.5	.08	10	23	33	43	60	32,931	2.2	.072	.152
Carnegie Class	32.6	14.3	.16	10	23	33	43	60	7,968	2.5	.038	.177
NSSE 2020 & 2021	31.7	14.4	.04	8	20	33	40	60	146,795	3.4	.005	.237
Top 50%	34.1	14.2	.06	10	23	35	43	60	58,901	1.0	.424	.067
Top 10%	37.2	14.3	.16	13	28	38	48	60	7,700	-2.1	.084	-.147

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.