NSSE national survey of student engagement

NSSE 2022
Engagement Indicators

Missouri State University

Prepared 2022-08-08

IPEDS: 179566

NSSE 2022 Engagement Indicators

About This Report

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. The specific items within each EI are listed below, starting on page 5.

Theme	*Engagement Indicator*
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

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 2021 and 2022 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.

NSSE 2022 Engagement Indicators

Overview

Missouri State University

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.

Note: It is important to interpret the direction of differences relative to your institutional context. You may not see all of these symbols in your report.

First-Year Students

Theme	*Engagement Indicator*	**Your first-year students** compared with Plains Public	**Your first-year students** compared with Carnegie Class	**Your first-year students** compared with NSSE 2021 & 2022
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 Plains Public	**Your seniors** compared with Carnegie Class	**Your seniors** compared with NSSE 2021 & 2022
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	△	--	△

NSSE 2022 Engagement Indicators

Academic Challenge

Missouri State University

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

	Missouri State	*Your first-year students compared with*					
		Plains Public		**Carnegie Class**		**NSSE 2021 & 2022**	
Engagement Indicator	*Mean*	*Mean*	*Effect size*	*Mean*	*Effect size*	*Mean*	*Effect size*
Higher-Order Learning	37.0	37.2	-.02	38.8 ***	-.14	37.8	-.06
Reflective & Integrative Learning	36.5	34.9 ***	.14	36.5	.00	35.3 *	.10
Learning Strategies	37.9	37.6	.02	39.4 *	-.10	37.9	.00
Quantitative Reasoning	28.3	28.9	-.04	29.1	-.05	28.7	-.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).

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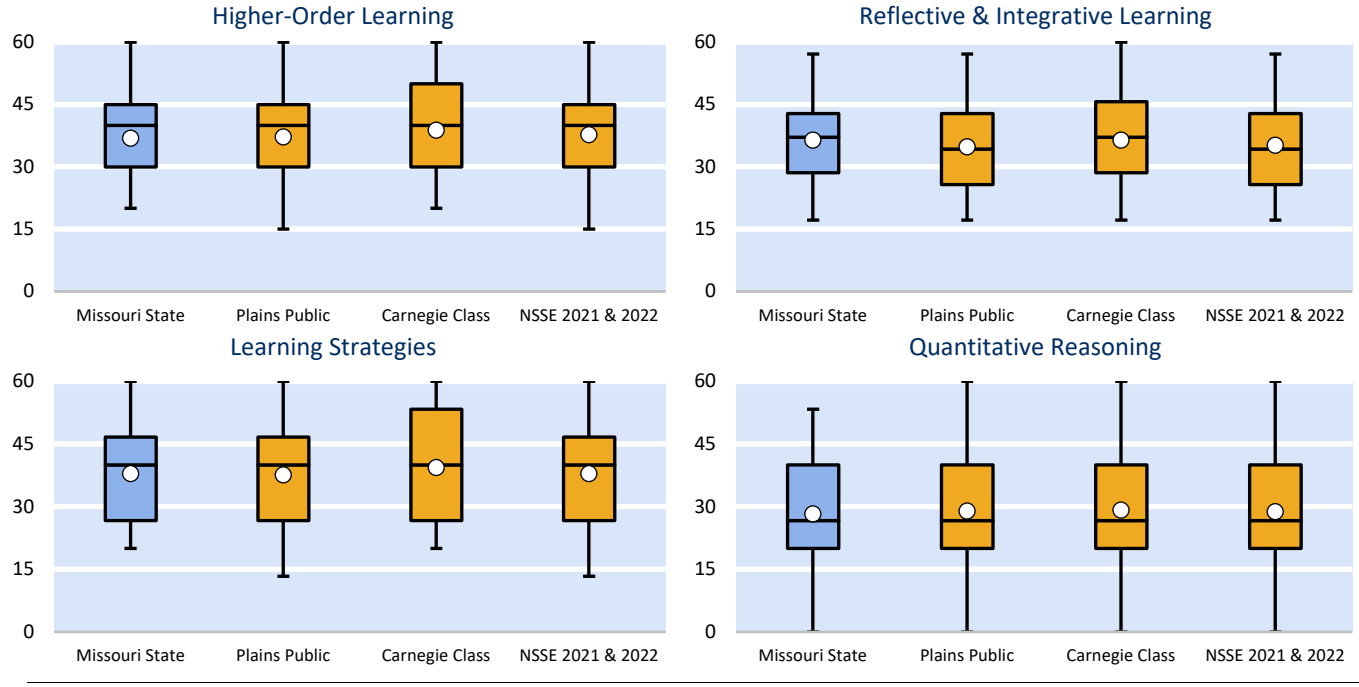

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Academic Challenge: First-year students (continued)

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.

		Percentage point difference [a] between your FY students and		
	Missouri State	**Plains Public**	**Carnegie Class**	**NSSE 2021 & 2022**
Higher-Order Learning				
Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized…	%			
4b. Applying facts, theories, or methods to practical problems or new situations	69	-0	-1	-0
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	67	-0	-3	-1
4d. Evaluating a point of view, decision, or information source	68	+0	-5	-1
4e. Forming a new idea or understanding from various pieces of information	69	+1	-3	-0
Reflective & Integrative Learning				
Percentage of students who responded that they "Very often" or "Often"…				
2a. Combined ideas from different courses when completing assignments	57	+6	+4	+7
2b. Connected your learning to societal problems or issues	56	+5	+1	+4
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	62	+12	+5	+8
2d. Examined the strengths and weaknesses of your own views on a topic or issue	67	+4	+0	+3
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	72	+1	-2	+2
2f. Learned something that changed the way you understand an issue or concept	67	+1	-2	+1
2g. Connected ideas from your courses to your prior experiences and knowledge	81	+4	+3	+4
Learning Strategies				
Percentage of students who responded that they "Very often" or "Often"…				
9a. Identified key information from reading assignments	72	+1	-3	-1
9b. Reviewed your notes after class	65	-0	-4	-0
9c. Summarized what you learned in class or from course materials	65	+1	-3	+1
Quantitative Reasoning				
Percentage of students who responded that they "Very often" or "Often"…				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	50	-3	-3	-3
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	42	-1	-2	-1
6c. Evaluated what others have concluded from numerical information	41	-1	-1	-0

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.

NSSE 2022 Engagement Indicators

Academic Challenge

Missouri State University

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

	Missouri State	Your seniors compared with					
		Plains Public		Carnegie Class		NSSE 2021 & 2022	
Engagement Indicator	*Mean*	*Mean*	*Effect size*	*Mean*	*Effect size*	*Mean*	*Effect size*
Higher-Order Learning	39.8	39.7	.01	41.6 ***	-.14	40.2	-.03
Reflective & Integrative Learning	39.4	37.7 ***	.14	39.7	-.02	38.1 **	.10
Learning Strategies	39.0	38.0	.07	40.5 **	-.11	39.0	.00
Quantitative Reasoning	29.0	30.2 *	-.07	31.1 ***	-.13	30.9 ***	-.12

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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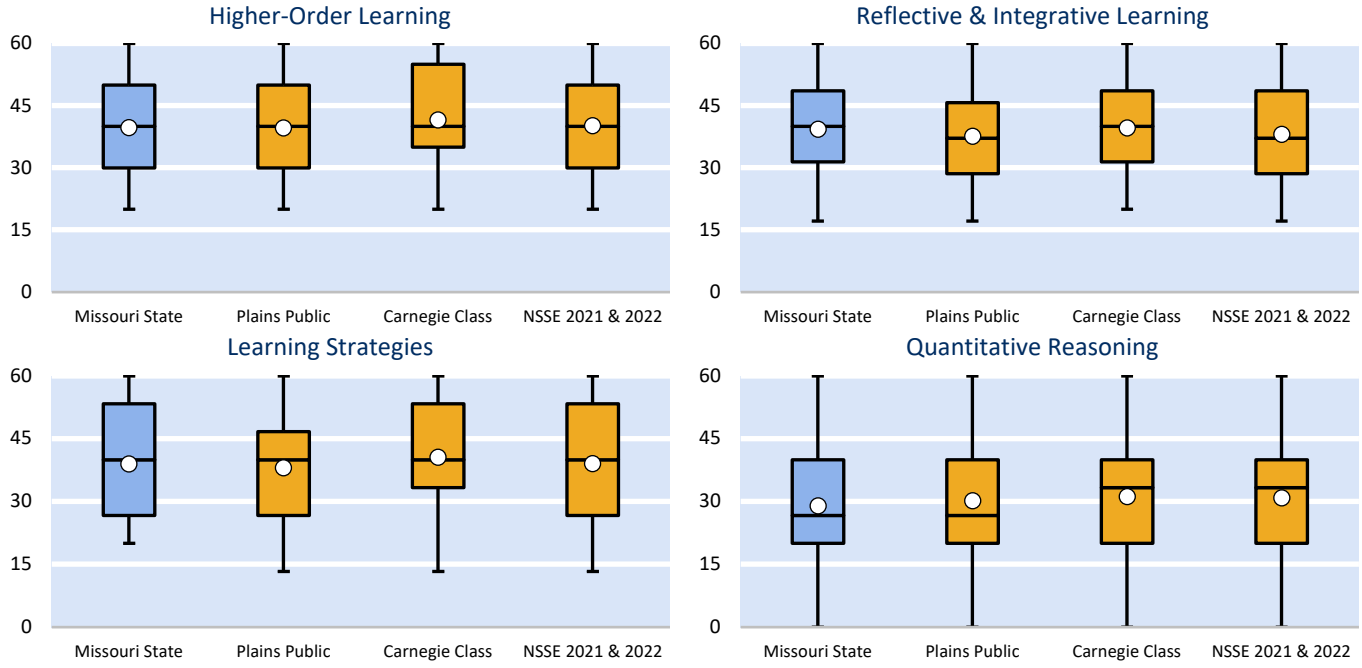

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Academic Challenge: Seniors (continued)

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.

		Percentage point difference [a] between your seniors and		
	Missouri State	**Plains Public**	**Carnegie Class**	**NSSE 2021 & 2022**
Higher-Order Learning				
Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized…	%			
4b. Applying facts, theories, or methods to practical problems or new situations	76	-1	-3	-1
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	73	-1	-4	-2
4d. Evaluating a point of view, decision, or information source	73	+2	-4	+1
4e. Forming a new idea or understanding from various pieces of information	72	-0	-5	-1
Reflective & Integrative Learning				
Percentage of students who responded that they "Very often" or "Often"…				
2a. Combined ideas from different courses when completing assignments	72	+5	+6	+6
2b. Connected your learning to societal problems or issues	64	+3	-2	+3
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	58	+5	-3	+3
2d. Examined the strengths and weaknesses of your own views on a topic or issue	71	+5	-1	+4
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	76	+4	-0	+3
2f. Learned something that changed the way you understand an issue or concept	72	+3	-2	+1
2g. Connected ideas from your courses to your prior experiences and knowledge	85	+1	-0	+2
Learning Strategies				
Percentage of students who responded that they "Very often" or "Often"…				
9a. Identified key information from reading assignments	74	-1	-6	-2
9b. Reviewed your notes after class	66	+4	-1	+2
9c. Summarized what you learned in class or from course materials	68	+3	-3	+2
Quantitative Reasoning				
Percentage of students who responded that they "Very often" or "Often"…				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	50	-5	-7	-7
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	43	-3	-6	-5
6c. Evaluated what others have concluded from numerical information	43	-2	-4	-4

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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NSSE 2022 Engagement Indicators

Learning with Peers

Missouri State University

Learning with Peers: First-year students

Collaborating with others in mastering difficult material and interacting with peers from different backgrounds prepares 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

	Missouri State	*Your first-year students compared with*					
		Plains Public		Carnegie Class		NSSE 2021 & 2022	
Engagement Indicator	*Mean*	*Mean*	*Effect size*	*Mean*	*Effect size*	*Mean*	*Effect size*
Collaborative Learning	28.1	26.5 **	.11	26.7 *	.09	27.5	.04
Discussions with Diverse Others	40.1	37.5 ***	.16	37.5 ***	.16	37.1 ***	.18

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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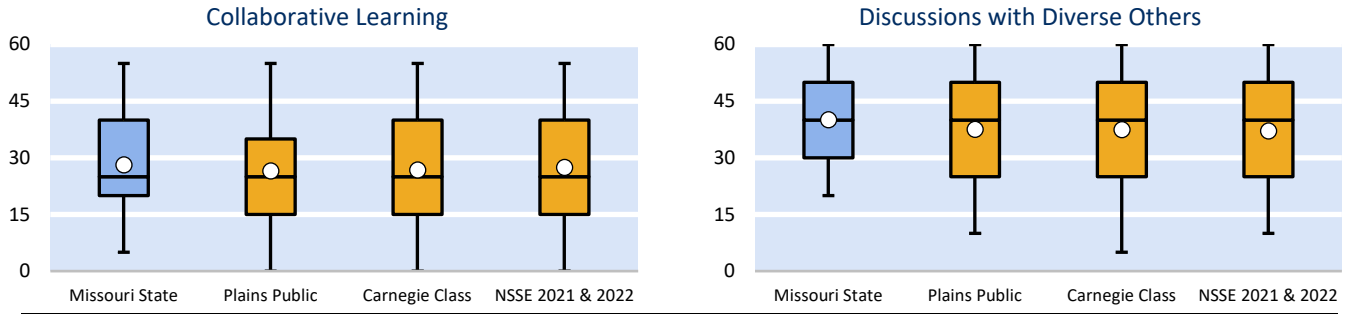

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Performance on Indicator Items

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		Percentage point difference [a] between your FY students and		
Collaborative Learning	Missouri State	Plains Public	Carnegie Class	NSSE 2021 & 2022
Percentage of students who responded that they "Very often" or "Often"…	%			
1b. Asked another student to help you understand course material	43	+3	+4	+2
1c. Explained course material to one or more students	45	+2	+2	+1
1d. Prepared for exams by discussing or working through course material with other students	41	+5	+4	+4
1e. Worked with other students on course projects or assignments	46	+4	+1	+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	70	+7	+2	+4
8b. People from an economic background other than your own	74	+7	+6	+7
8c. People with religious beliefs other than your own	73	+9	+12	+11
8d. People with political views other than your own	72	+8	+12	+13

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NSSE 2022 Engagement Indicators

Learning with Peers

Missouri State University

Learning with Peers: Seniors

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Mean Comparisons

	Missouri State	Your seniors compared with					
		Plains Public		Carnegie Class		NSSE 2021 & 2022	
Engagement Indicator	*Mean*	*Mean*	*Effect size*	*Mean*	*Effect size*	*Mean*	*Effect size*
Collaborative Learning	28.5	27.0 **	.10	26.1 ***	.15	29.0	-.03
Discussions with Diverse Others	37.9	37.1	.05	37.8	.00	38.1	-.01

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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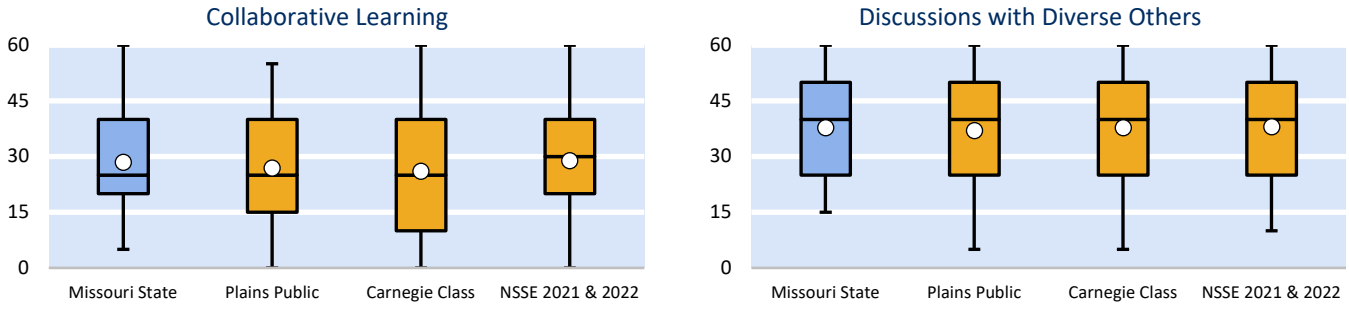

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		Percentage point difference [a] between your seniors and		
Collaborative Learning	Missouri State	Plains Public	Carnegie Class	NSSE 2021 & 2022
Percentage of students who responded that they "Very often" or "Often"…	%			
1b. Asked another student to help you understand course material	39	+4	+6	+0
1c. Explained course material to one or more students	48	+3	+5	-1
1d. Prepared for exams by discussing or working through course material with other students	35	+2	+2	-2
1e. Worked with other students on course projects or assignments	54	+1	+2	-3
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	62	+1	-6	-5
8b. People from an economic background other than your own	70	+4	+1	+1
8c. People with religious beliefs other than your own	65	+3	+6	+3
8d. People with political views other than your own	68	+5	+6	+7

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NSSE 2022 Engagement Indicators

Experiences with Faculty

Missouri State University

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

	Missouri State	*Your first-year students compared with*					
		Plains Public		Carnegie Class		NSSE 2021 & 2022	
Engagement Indicator	*Mean*	*Mean*	*Effect size*	*Mean*	*Effect size*	*Mean*	*Effect size*
Student-Faculty Interaction	21.9	20.0 **	.13	20.8	.07	20.0 **	.13
Effective Teaching Practices	37.8	38.1	-.02	39.6 ***	-.13	37.9	-.01

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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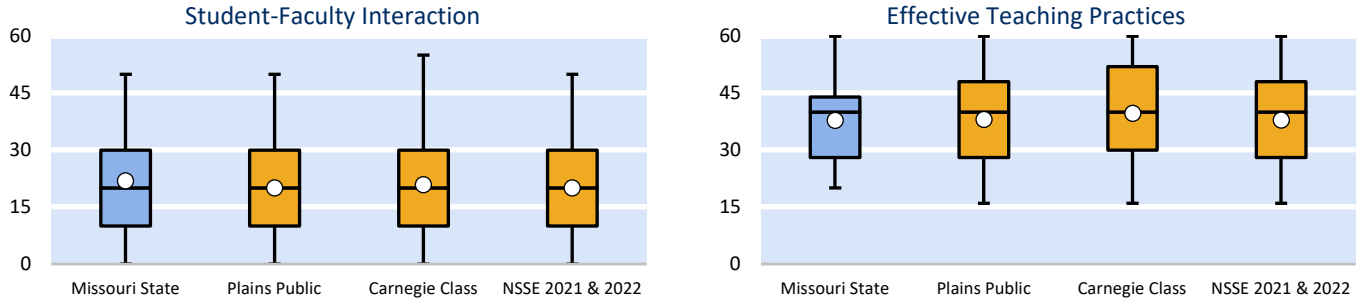

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		Percentage point difference [a] between your FY students and		
Student-Faculty Interaction	Missouri State	Plains Public	Carnegie Class	NSSE 2021 & 2022
Percentage of students who responded that they "Very often" or "Often"…	%			
3a. Talked about career plans with a faculty member	45	+8	+9	+11
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	22	+2	+2	+3
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	24	+2	-2	+0
3d. Discussed your academic performance with a faculty member	31	+4	+1	+3
Effective Teaching Practices				
Percentage responding "Very much" or "Quite a bit" about how much instructors have…				
5a. Clearly explained course goals and requirements	83	+7	+6	+8
5b. Taught course sessions in an organized way	76	+3	+2	+4
5c. Used examples or illustrations to explain difficult points	76	+4	+2	+4
5d. Provided feedback on a draft or work in progress	63	+2	-4	+0
5e. Provided prompt and detailed feedback on tests or completed assignments	55	-3	-9	-3

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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NSSE 2022 Engagement Indicators

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Experiences with Faculty: Seniors

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Mean Comparisons

	Missouri State	*Your seniors compared with*					
		Plains Public		Carnegie Class		NSSE 2021 & 2022	
Engagement Indicator	*Mean*	*Mean*	*Effect size*	*Mean*	*Effect size*	*Mean*	*Effect size*
Student-Faculty Interaction	24.7	21.5 ***	.20	21.8 ***	.17	22.5 ***	.13
Effective Teaching Practices	39.5	39.4	.01	41.0 ***	-.10	39.4	.01

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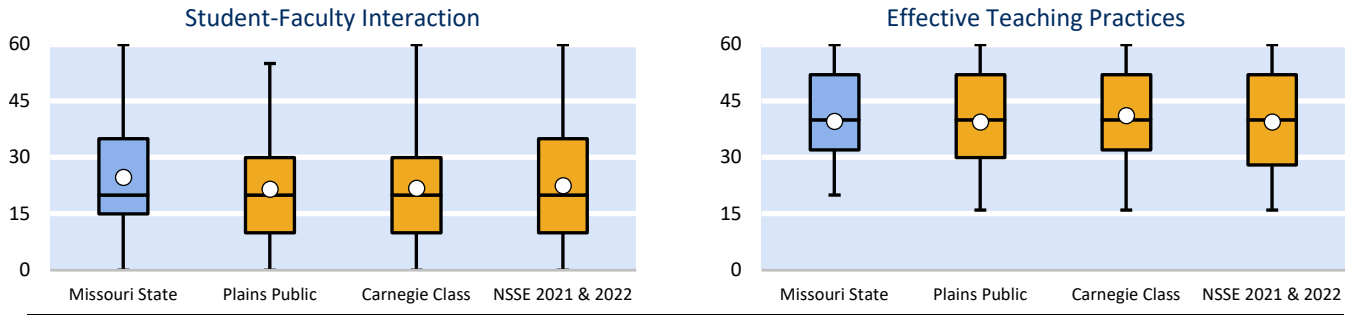
Score Distributions



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.

		Percentage point difference [a] between your seniors and		
Student-Faculty Interaction	Missouri State	Plains Public	Carnegie Class	NSSE 2021 & 2022
Percentage of students who responded that they "Very often" or "Often"…	%			
3a. Talked about career plans with a faculty member	48	+9	+8	+8
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	29	+5	+6	+4
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	32	+6	+4	+3
3d. Discussed your academic performance with a faculty member	34	+5	+3	+3
Effective Teaching Practices				
Percentage responding "Very much" or "Quite a bit" about how much instructors have…				
5a. Clearly explained course goals and requirements	82	+4	+1	+4
5b. Taught course sessions in an organized way	78	+2	+0	+3
5c. Used examples or illustrations to explain difficult points	76	+1	+1	+1
5d. Provided feedback on a draft or work in progress	62	-0	-5	-0
5e. Provided prompt and detailed feedback on tests or completed assignments	64	-0	-6	+0

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.

NSSE 2022 Engagement Indicators

Campus Environment

Missouri State University

Campus Environment: First-year students

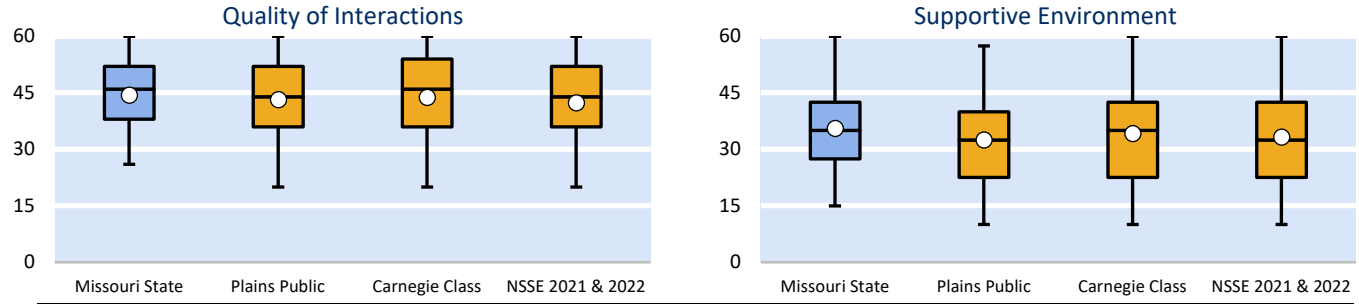
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment.* Below are three views of your results alongside those of your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

Mean Comparisons

	Missouri State	*Your first-year students compared with*					
		Plains Public		Carnegie Class		NSSE 2021 & 2022	
Engagement Indicator	*Mean*	*Mean*	*Effect size*	*Mean*	*Effect size*	*Mean*	*Effect size*
Quality of Interactions	44.4	43.2 **	.10	43.9	.05	42.4 ***	.16
Supportive Environment	35.5	32.5 ***	.23	34.2 *	.09	33.3 ***	.16

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.

		Percentage point difference [a] between your FY students and		
Quality of Interactions	Missouri State	Plains Public	Carnegie Class	NSSE 2021 & 2022
Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with…	%			
13a. Students	52	+0	-2	+2
13b. Academic advisors	58	+1	+1	+4
13c. Faculty	51	-1	-5	+0
13d. Student services staff (career services, student activities, housing, etc.)	52	+5	+1	+5
13e. Other administrative staff and offices (registrar, financial aid, etc.)	46	-3	-5	+0
Supportive Environment				
Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized…				
14b. Providing support to help students succeed academically	73	+3	+2	+3
14c. Using learning support services (tutoring services, writing center, etc.)	70	+0	-1	-0
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	64	+9	+4	+6
14e. Providing opportunities to be involved socially	71	+8	+5	+7
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	72	+11	+10	+10
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	38	+3	-2	+1
14h. Attending campus activities and events (performing arts, athletic events, etc.)	66	+10	+9	+10
14i. Attending events that address important social, economic, or political issues	49	+11	+5	+6

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.

NSSE 2022 Engagement Indicators

Campus Environment

Missouri State University

Campus Environment: Seniors

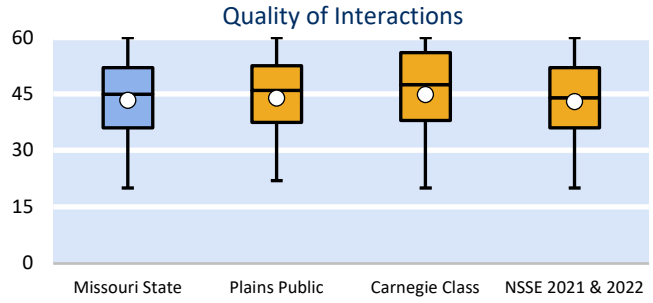
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment.* Below are three views of your results alongside those of your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

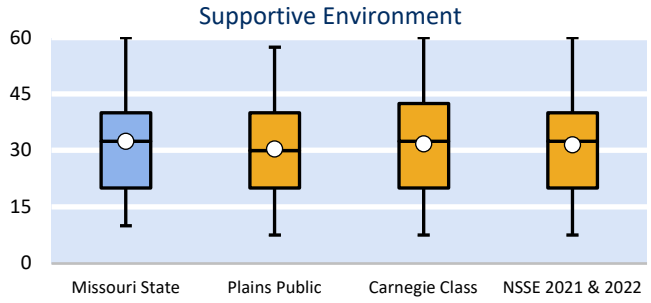
Mean Comparisons

	Missouri State	Your seniors compared with					
		Plains Public		Carnegie Class		NSSE 2021 & 2022	
Engagement Indicator	*Mean*	*Mean*	*Effect size*	*Mean*	*Effect size*	*Mean*	*Effect size*
Quality of Interactions	43.4	44.0	-.05	44.9 ***	-.12	43.0	.03
Supportive Environment	32.5	30.4 ***	.15	31.8	.05	31.6 *	.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.

Performance on Indicator Items

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		Percentage point difference [a] between your seniors and		
Quality of Interactions	Missouri State	Plains Public	Carnegie Class	NSSE 2021 & 2022
Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with…	%			
13a. Students	55	-4	-7	-3
13b. Academic advisors	61	+3	+1	+6
13c. Faculty	53	-3	-10	-4
13d. Student services staff (career services, student activities, housing, etc.)	45	-3	-7	-1
13e. Other administrative staff and offices (registrar, financial aid, etc.)	49	-1	-5	+2
Supportive Environment				
Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized…				
14b. Providing support to help students succeed academically	67	+1	-2	-0
14c. Using learning support services (tutoring services, writing center, etc.)	61	-2	-6	-3
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	56	+6	+1	+3
14e. Providing opportunities to be involved socially	67	+8	+7	+6
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	64	+8	+8	+7
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	34	+4	-2	+2
14h. Attending campus activities and events (performing arts, athletic events, etc.)	55	+8	+7	+4
14i. Attending events that address important social, economic, or political issues	43	+7	+3	+3

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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NSSE 2022 Engagement Indicators

Comparisons with High-Performing Institutions

Missouri State University

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 2021 and 2022 NSSE institutions, and
(b) institutions with average scores placing them in the top 10% of all 2021 and 2022 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

			Your first-year students compared with					
		Missouri State	NSSE Top 50%			NSSE Top 10%		
Theme	*Engagement Indicator*	*Mean*	*Mean*	*Effect size*	✓	*Mean*	*Effect size*	✓
Academic Challenge	Higher-Order Learning	37.0	39.2 ***	-.17		42.1 ***	-.39	
	Reflective and Integrative Learning	36.5	36.9	-.04	✓	39.2 ***	-.23	
	Learning Strategies	37.9	39.6 **	-.12		42.9 ***	-.35	
	Quantitative Reasoning	28.3	30.2 **	-.12		33.3 ***	-.32	
Learning with Peers	Collaborative Learning	28.1	31.8 ***	-.27		35.4 ***	-.54	
	Discussions with Diverse Others	40.1	39.8	.02	✓	42.6 ***	-.18	
Experiences with Faculty	Student-Faculty Interaction	21.9	24.4 ***	-.17		27.8 ***	-.39	
	Effective Teaching Practices	37.8	40.3 ***	-.18		43.3 ***	-.41	
Campus Environment	Quality of Interactions	44.4	45.1	-.06	✓	48.2 ***	-.30	
	Supportive Environment	35.5	35.9	-.03	✓	39.1 ***	-.27	

Seniors

			Your seniors compared with					
		Missouri State	NSSE Top 50%			NSSE Top 10%		
Theme	*Engagement Indicator*	*Mean*	*Mean*	*Effect size*	✓	*Mean*	*Effect size*	✓
Academic Challenge	Higher-Order Learning	39.8	41.9 ***	-.16		44.2 ***	-.34	
	Reflective and Integrative Learning	39.4	40.3 *	-.07		42.7 ***	-.28	
	Learning Strategies	39.0	41.1 ***	-.15		43.4 ***	-.31	
	Quantitative Reasoning	29.0	32.4 ***	-.21		35.3 ***	-.40	
Learning with Peers	Collaborative Learning	28.5	34.0 ***	-.38		37.9 ***	-.67	
	Discussions with Diverse Others	37.9	40.4 ***	-.16		43.2 ***	-.36	
Experiences with Faculty	Student-Faculty Interaction	24.7	28.8 ***	-.25		33.2 ***	-.53	
	Effective Teaching Practices	39.5	41.9 ***	-.17		44.5 ***	-.36	
Campus Environment	Quality of Interactions	43.4	45.6 ***	-.18		48.0 ***	-.37	
	Supportive Environment	32.5	34.3 ***	-.12		37.4 ***	-.34	

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 2021 and 2022 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 positive or non-significant with an effect size > -.10.

NSSE 2022 Engagement Indicators

Detailed Statistics[a]

Missouri State University

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												
Missouri State (N = 640)	37.0	12.4	.49	20	30	40	45	60				
Plains Public	37.2	13.4	.15	15	30	40	45	60	765	-.3	.605	-.020
Carnegie Class	38.8	13.9	.10	20	30	40	50	60	691	-1.9	.000	-.136
NSSE 2021 & 2022	37.8	13.5	.03	15	30	40	45	60	645	-.8	.107	-.059
Top 50%	39.2	13.3	.05	20	30	40	50	60	86,402	-2.3	.000	-.171
Top 10%	42.1	13.0	.13	20	35	40	55	60	738	-5.1	.000	-.391
Reflective & Integrative Learning												
Missouri State (N = 668)	36.5	11.6	.45	17	29	37	43	57				
Plains Public	34.9	11.9	.13	17	26	34	43	57	9,090	1.6	.001	.135
Carnegie Class	36.5	12.4	.08	17	29	37	46	60	22,603	.0	.983	-.001
NSSE 2021 & 2022	35.3	12.3	.03	17	26	34	43	57	181,499	1.2	.011	.099
Top 50%	36.9	12.1	.04	17	29	37	46	60	85,965	-.4	.354	-.036
Top 10%	39.2	11.8	.11	20	31	40	49	60	12,366	-2.7	.000	-.232
Learning Strategies												
Missouri State (N = 612)	37.9	13.7	.55	20	27	40	47	60				
Plains Public	37.6	14.1	.16	13	27	40	47	60	8,068	.3	.580	.023
Carnegie Class	39.4	14.3	.10	20	27	40	53	60	19,475	-1.4	.014	-.101
NSSE 2021 & 2022	37.9	14.0	.04	13	27	40	47	60	155,241	.0	.979	-.001
Top 50%	39.6	14.1	.05	20	27	40	53	60	78,182	-1.7	.004	-.118
Top 10%	42.9	14.3	.12	20	33	40	60	60	670	-5.0	.000	-.351
Quantitative Reasoning												
Missouri State (N = 618)	28.3	14.9	.60	0	20	27	40	53				
Plains Public	28.9	15.4	.18	0	20	27	40	60	8,156	-.7	.307	-.043
Carnegie Class	29.1	16.3	.12	0	20	27	40	60	665	-.9	.147	-.055
NSSE 2021 & 2022	28.7	15.5	.04	0	20	27	40	60	157,454	-.5	.439	-.031
Top 50%	30.2	15.3	.05	7	20	27	40	60	90,969	-1.9	.002	-.125
Top 10%	33.3	15.5	.14	7	20	33	40	60	12,294	-5.0	.000	-.324
Learning with Peers												
Collaborative Learning												
Missouri State (N = 687)	28.1	14.0	.53	5	20	25	40	55				
Plains Public	26.5	15.2	.16	0	15	25	35	55	816	1.6	.004	.106
Carnegie Class	26.7	15.7	.10	0	15	25	40	55	737	1.4	.010	.089
NSSE 2021 & 2022	27.5	15.0	.03	0	15	25	40	55	691	.7	.207	.045
Top 50%	31.8	13.9	.05	10	20	30	40	60	80,164	-3.7	.000	-.268
Top 10%	35.4	13.5	.11	15	25	35	45	60	15,215	-7.3	.000	-.539
Discussions with Diverse Others												
Missouri State (N = 613)	40.1	14.4	.58	20	30	40	50	60				
Plains Public	37.5	16.0	.18	10	25	40	50	60	741	2.6	.000	.163
Carnegie Class	37.5	16.4	.12	5	25	40	50	60	664	2.6	.000	.159
NSSE 2021 & 2022	37.1	16.1	.04	10	25	40	50	60	618	2.9	.000	.183
Top 50%	39.8	15.1	.06	15	30	40	55	60	624	.3	.666	.017
Top 10%	42.6	14.2	.15	20	35	40	55	60	693	-2.5	.000	-.176

NSSE 2022 Engagement Indicators

Detailed Statistics[a]

Missouri State University

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												
Missouri State (N = 653)	21.9	14.9	.58	0	10	20	30	50				
Plains Public	20.0	14.5	.16	0	10	20	30	50	8,777	1.8	.002	.127
Carnegie Class	20.8	15.2	.11	0	10	20	30	55	21,621	1.1	.082	.069
NSSE 2021 & 2022	20.0	14.8	.04	0	10	20	30	50	173,430	1.9	.001	.128
Top 50%	24.4	15.1	.07	5	15	20	35	55	43,587	-2.5	.000	-.165
Top 10%	27.8	15.3	.18	5	15	25	40	60	8,040	-6.0	.000	-.389
Effective Teaching Practices												
Missouri State (N = 639)	37.8	11.9	.47	20	28	40	44	60				
Plains Public	38.1	13.6	.15	16	28	40	48	60	780	-.3	.596	-.019
Carnegie Class	39.6	14.1	.10	16	30	40	52	60	696	-1.8	.000	-.129
NSSE 2021 & 2022	37.9	13.7	.03	16	28	40	48	60	644	-.1	.839	-.007
Top 50%	40.3	13.8	.06	16	32	40	52	60	656	-2.5	.000	-.181
Top 10%	43.3	13.7	.14	20	36	44	56	60	757	-5.5	.000	-.406
Campus Environment												
Quality of Interactions												
Missouri State (N = 593)	44.4	10.1	.41	26	38	46	52	60				
Plains Public	43.2	12.0	.14	20	36	44	52	60	745	1.2	.005	.104
Carnegie Class	43.9	12.5	.09	20	36	46	54	60	655	.6	.171	.047
NSSE 2021 & 2022	42.4	12.4	.03	20	36	44	52	60	600	2.0	.000	.163
Top 50%	45.1	12.0	.05	22	38	48	54	60	613	-.7	.095	-.058
Top 10%	48.2	12.5	.13	23	42	50	60	60	714	-3.8	.000	-.305
Supportive Environment												
Missouri State (N = 599)	35.5	12.6	.52	15	28	35	43	60				
Plains Public	32.5	13.5	.16	10	23	33	40	58	7,840	3.0	.000	.226
Carnegie Class	34.2	14.3	.11	10	23	35	43	60	649	1.3	.012	.093
NSSE 2021 & 2022	33.3	14.0	.04	10	23	33	43	60	604	2.2	.000	.160
Top 50%	35.9	13.6	.06	13	26	38	45	60	614	-.4	.444	-.029
Top 10%	39.1	13.3	.17	18	30	40	50	60	6,728	-3.6	.000	-.269

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.

IPEDS: 179566

NSSE 2022 Engagement Indicators

Detailed Statistics[a]

Missouri State University

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												
Missouri State (N = 972)	39.8	14.0	.45	20	30	40	50	60				
Plains Public	39.7	13.6	.14	20	30	40	50	60	9,782	.1	.843	.007
Carnegie Class	41.6	13.9	.09	20	35	40	55	60	23,657	-1.9	.000	-.135
NSSE 2021 & 2022	40.2	14.0	.03	20	30	40	50	60	175,563	-.5	.303	-.033
Top 50%	41.9	13.7	.05	20	35	40	55	60	70,502	-2.1	.000	-.156
Top 10%	44.2	13.1	.16	20	35	45	60	60	7,378	-4.5	.000	-.339
Reflective & Integrative Learning												
Missouri State (N = 1006)	39.4	13.1	.41	17	31	40	49	60				
Plains Public	37.7	12.7	.13	17	29	37	46	60	10,286	1.7	.000	.136
Carnegie Class	39.7	12.7	.08	20	31	40	49	60	25,008	-.3	.466	-.023
NSSE 2021 & 2022	38.1	13.0	.03	17	29	37	49	60	186,979	1.3	.002	.097
Top 50%	40.3	12.5	.05	20	31	40	50	60	1,035	-.9	.030	-.072
Top 10%	42.7	11.7	.15	23	34	43	51	60	1,289	-3.4	.000	-.281
Learning Strategies												
Missouri State (N = 949)	39.0	14.5	.47	20	27	40	53	60				
Plains Public	38.0	14.7	.16	13	27	40	47	60	9,397	1.0	.054	.066
Carnegie Class	40.5	14.8	.10	13	33	40	53	60	22,453	-1.6	.001	-.106
NSSE 2021 & 2022	39.0	14.8	.04	13	27	40	53	60	165,558	.0	.955	-.002
Top 50%	41.1	14.6	.05	20	33	40	53	60	75,793	-2.1	.000	-.146
Top 10%	43.4	14.2	.13	20	33	40	60	60	13,733	-4.5	.000	-.314
Quantitative Reasoning												
Missouri State (N = 956)	29.0	16.7	.54	0	20	27	40	60				
Plains Public	30.2	16.1	.17	0	20	27	40	60	9,459	-1.2	.030	-.074
Carnegie Class	31.1	16.9	.11	0	20	33	40	60	22,724	-2.2	.000	-.128
NSSE 2021 & 2022	30.9	16.6	.04	0	20	33	40	60	167,613	-1.9	.000	-.115
Top 50%	32.4	16.5	.06	7	20	33	40	60	85,572	-3.5	.000	-.212
Top 10%	35.3	16.0	.16	7	20	33	47	60	1,132	-6.4	.000	-.398
Learning with Peers												
Collaborative Learning												
Missouri State (N = 1033)	28.5	15.7	.49	5	20	25	40	60				
Plains Public	27.0	16.1	.16	0	15	25	40	55	10,638	1.6	.003	.098
Carnegie Class	26.1	17.0	.11	0	10	25	40	60	1,135	2.5	.000	.145
NSSE 2021 & 2022	29.0	16.2	.04	0	20	30	40	60	1,044	-.5	.348	-.028
Top 50%	34.0	14.6	.06	10	25	35	45	60	1,060	-5.5	.000	-.376
Top 10%	37.9	13.7	.15	15	30	40	50	60	1,229	-9.3	.000	-.671
Discussions with Diverse Others												
Missouri State (N = 953)	37.9	15.4	.50	15	25	40	50	60				
Plains Public	37.1	16.5	.18	5	25	40	50	60	1,210	.8	.143	.048
Carnegie Class	37.8	16.7	.11	5	25	40	50	60	1,053	.0	.924	.003
NSSE 2021 & 2022	38.1	16.5	.04	10	25	40	50	60	965	-.2	.648	-.014
Top 50%	40.4	15.9	.06	15	30	40	55	60	76,831	-2.5	.000	-.159
Top 10%	43.2	15.1	.17	20	35	45	60	60	8,487	-5.4	.000	-.355

NSSE 2022 Engagement Indicators

Detailed Statistics[a]

Missouri State University

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												
Missouri State (N = 984)	24.7	16.4	.52	0	15	20	35	60				
Plains Public	21.5	15.9	.17	0	10	20	30	55	1,192	3.2	.000	.199
Carnegie Class	21.8	16.6	.11	0	10	20	30	60	24,240	2.9	.000	.173
NSSE 2021 & 2022	22.5	16.3	.04	0	10	20	35	60	180,769	2.2	.000	.135
Top 50%	28.8	16.2	.09	5	15	25	40	60	33,855	-4.1	.000	-.253
Top 10%	33.2	16.1	.25	10	20	35	45	60	5,170	-8.6	.000	-.531
Effective Teaching Practices												
Missouri State (N = 973)	39.5	13.8	.44	20	32	40	52	60				
Plains Public	39.4	14.0	.15	16	30	40	52	60	9,777	.1	.767	.010
Carnegie Class	41.0	14.6	.10	16	32	40	52	60	1,068	-1.5	.001	-.105
NSSE 2021 & 2022	39.4	14.5	.03	16	28	40	52	60	984	.1	.771	.009
Top 50%	41.9	14.1	.06	16	32	40	56	60	1,008	-2.4	.000	-.171
Top 10%	44.5	13.6	.14	20	36	44	56	60	9,798	-4.9	.000	-.364
Campus Environment												
Quality of Interactions												
Missouri State (N = 876)	43.4	12.1	.41	20	36	45	52	60				
Plains Public	44.0	12.0	.14	22	38	46	53	60	8,464	-.6	.156	-.051
Carnegie Class	44.9	12.7	.09	20	38	48	56	60	965	-1.6	.000	-.124
NSSE 2021 & 2022	43.0	12.7	.03	20	36	44	52	60	886	.3	.424	.026
Top 50%	45.6	12.3	.05	22	38	48	56	60	59,420	-2.3	.000	-.184
Top 10%	48.0	12.5	.09	22	40	50	60	60	18,345	-4.6	.000	-.370
Supportive Environment												
Missouri State (N = 937)	32.5	14.5	.47	10	20	33	40	60				
Plains Public	30.4	14.0	.15	8	20	30	40	58	9,226	2.1	.000	.150
Carnegie Class	31.8	15.2	.11	8	20	33	43	60	1,031	.7	.130	.048
NSSE 2021 & 2022	31.6	14.7	.04	8	20	33	40	60	161,608	1.0	.039	.068
Top 50%	34.3	14.7	.06	10	23	35	45	60	54,324	-1.7	.000	-.118
Top 10%	37.4	14.5	.20	13	28	38	48	60	6,337	-4.9	.000	-.336

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.

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