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# NSSE 2015

## Engagement Indicators

West Texas A&M University

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### About Your Engagement Indicators Report

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

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

### Report Sections

#### Overview (p. 3)

Displays how average EI scores for your first-year and senior 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.

##### Summary of 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 2014 and 2015 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, 2015). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview (p. 3).

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

### 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](http://nsse.indiana.edu)

Rocconi, L., & Gonyea, R. M. (2015). Contextualizing student engagement effect sizes: An empirical analysis. Paper presented at the Association for Institutional Research Annual Forum, Denver, CO.

## Engagement Indicators: Overview

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four broad themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores for your students with those in your comparison groups.

Use the following key:

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

### First-Year Students

<i>Theme</i>	<i>Engagement Indicator</i>	Your first-year students compared with Southwest Public	Your first-year students compared with Carnegie Class	Your first-year students compared with NSSE 2014 & 2015
<i>Academic Challenge</i>	Higher-Order Learning	▼	▼	▼
	Reflective & Integrative Learning	--	--	--
	Learning Strategies	--	▽	--
	Quantitative Reasoning	--	--	--
<i>Learning with Peers</i>	Collaborative Learning	--	--	--
	Discussions with Diverse Others	--	--	--
<i>Experiences with Faculty</i>	Student-Faculty Interaction	--	--	--
	Effective Teaching Practices	--	--	--
<i>Campus Environment</i>	Quality of Interactions	--	--	--
	Supportive Environment	--	--	--

### Seniors

<i>Theme</i>	<i>Engagement Indicator</i>	Your seniors compared with Southwest Public	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2014 & 2015
<i>Academic Challenge</i>	Higher-Order Learning	△	--	△
	Reflective & Integrative Learning	--	--	--
	Learning Strategies	--	--	△
	Quantitative Reasoning	--	--	--
<i>Learning with Peers</i>	Collaborative Learning	▽	▽	▽
	Discussions with Diverse Others	--	--	--
<i>Experiences with Faculty</i>	Student-Faculty Interaction	--	--	--
	Effective Teaching Practices	--	--	--
<i>Campus Environment</i>	Quality of Interactions	△	△	△
	Supportive Environment	--	--	--

### Academic Challenge: First-year students

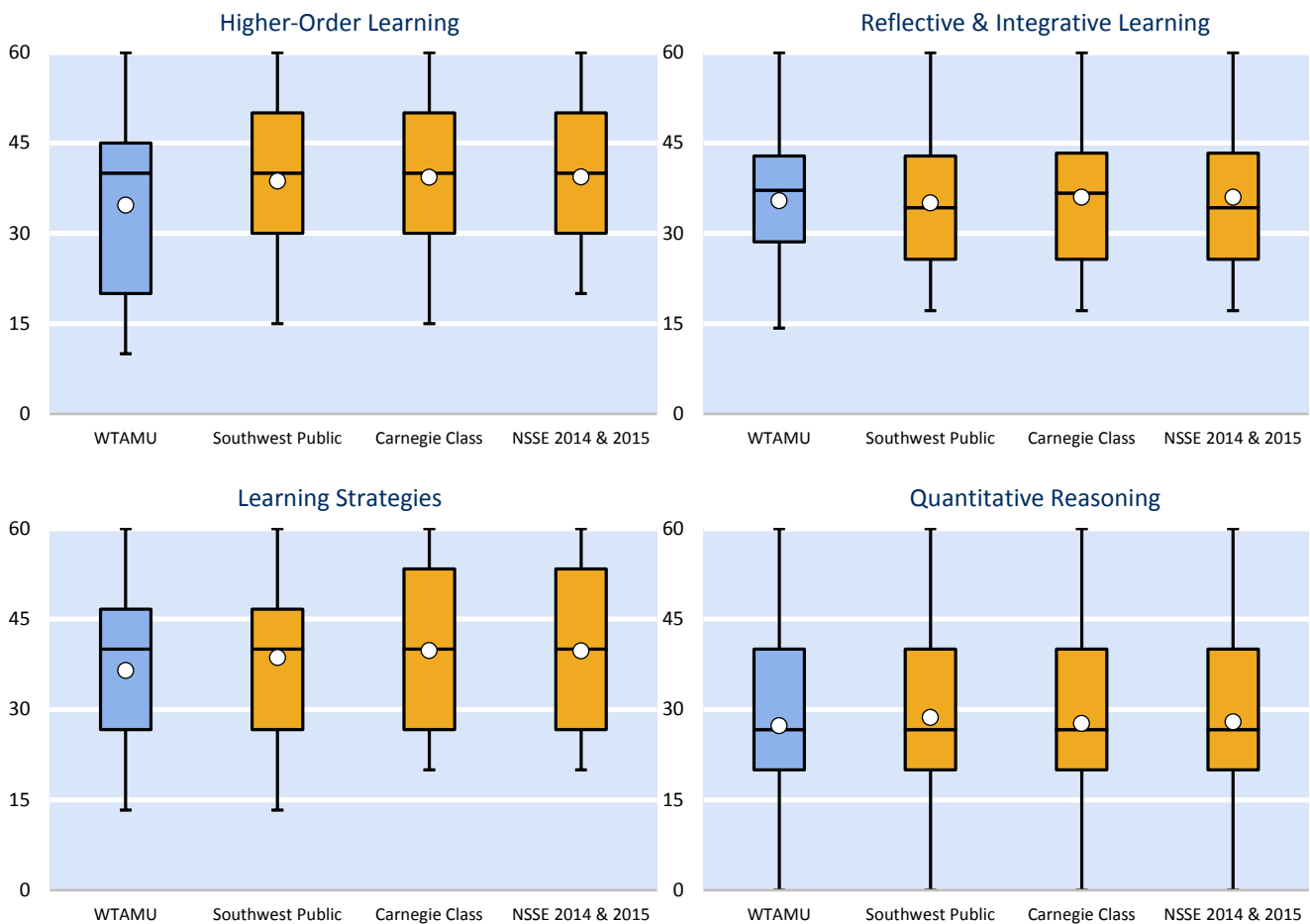
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*,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

#### Mean Comparisons

Engagement Indicator	WTAMU Mean	Your first-year students compared with					
		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	34.7	38.7 *	-.28	39.3 *	-.33	39.4 *	-.34
Reflective & Integrative Learning	35.4	35.0	.03	36.0	-.05	36.0	-.05
Learning Strategies	36.5	38.6	-.15	39.8 *	-.23	39.7	-.23
Quantitative Reasoning	27.3	28.7	-.08	27.7	-.02	27.9	-.04

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)

### Summary of Indicator Items

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
<b>Higher-Order Learning</b>				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
	%	%	%	%
4b. Applying facts, theories, or methods to practical problems or new situations	54 	71 	72 	73 
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	58 	71 	73 	73 
4d. Evaluating a point of view, decision, or information source	53 	69 	72 	71 
4e. Forming a new idea or understanding from various pieces of information	57 	69 	70 	69 
<b>Reflective &amp; Integrative Learning</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	54 	54 	56 	56 
2b. Connected your learning to societal problems or issues	48 	50 	54 	54 
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	50 	49 	52 	52 
2d. Examined the strengths and weaknesses of your own views on a topic or issue	68 	62 	63 	63 
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	72 	66 	68 	68 
2f. Learned something that changed the way you understand an issue or concept	61 	63 	66 	66 
2g. Connected ideas from your courses to your prior experiences and knowledge	78 	74 	77 	77 
<b>Learning Strategies</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	74 	78 	80 	81 
9b. Reviewed your notes after class	58 	65 	67 	66 
9c. Summarized what you learned in class or from course materials	57 	61 	64 	64 
<b>Quantitative Reasoning</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	54 	55 	52 	53 
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	40 	41 	39 	39 
6c. Evaluated what others have concluded from numerical information	39 	40 	38 	39 

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

### Academic Challenge: Seniors

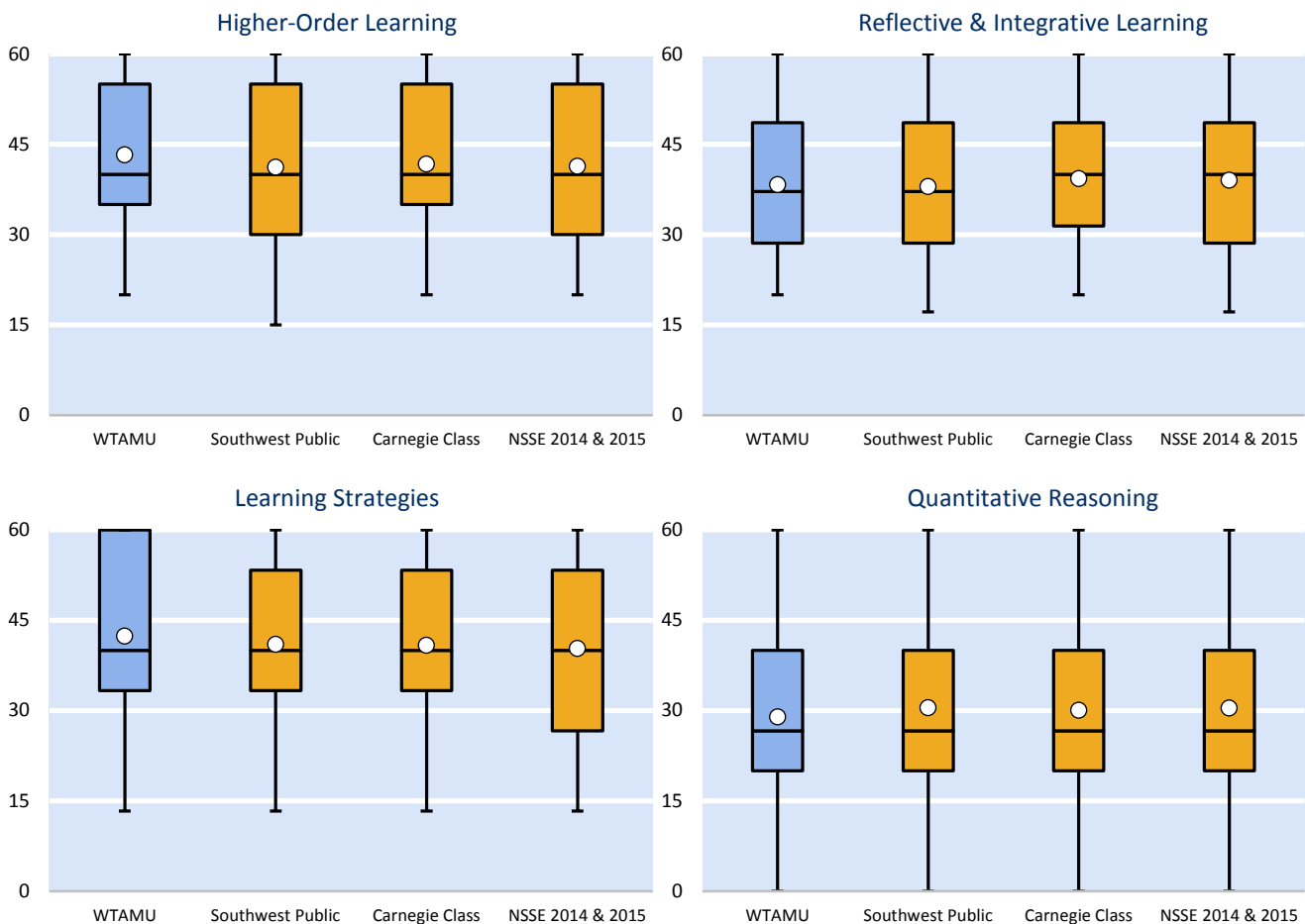
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *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	WTAMU Mean	Your seniors compared with					
		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	43.2	41.2 *	.14	41.7	.11	41.4 *	.13
Reflective & Integrative Learning	38.3	38.0	.02	39.3	-.08	39.0	-.06
Learning Strategies	42.4	41.0	.09	40.8	.10	40.3 *	.14
Quantitative Reasoning	28.9	30.5	-.09	30.0	-.06	30.4	-.08

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)

### Summary of Indicator Items

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
<b>Higher-Order Learning</b>				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
	%	%	%	%
4b. Applying facts, theories, or methods to practical problems or new situations	83 	79 	80 	80 
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	81 	77 	78 	78 
4d. Evaluating a point of view, decision, or information source	77 	71 	74 	72 
4e. Forming a new idea or understanding from various pieces of information	76 	73 	74 	73 
<b>Reflective &amp; Integrative Learning</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	70 	70 	72 	72 
2b. Connected your learning to societal problems or issues	62 	60 	66 	64 
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	50 	50 	57 	55 
2d. Examined the strengths and weaknesses of your own views on a topic or issue	65 	64 	67 	67 
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	69 	69 	72 	71 
2f. Learned something that changed the way you understand an issue or concept	69 	68 	71 	70 
2g. Connected ideas from your courses to your prior experiences and knowledge	86 	82 	84 	84 
<b>Learning Strategies</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	84 	82 	83 	83 
9b. Reviewed your notes after class	71 	67 	65 	63 
9c. Summarized what you learned in class or from course materials	71 	67 	67 	66 
<b>Quantitative Reasoning</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	57 	57 	55 	56 
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	43 	46 	45 	46 
6c. Evaluated what others have concluded from numerical information	38 	45 	45 	46 

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

## Learning with Peers: First-year students

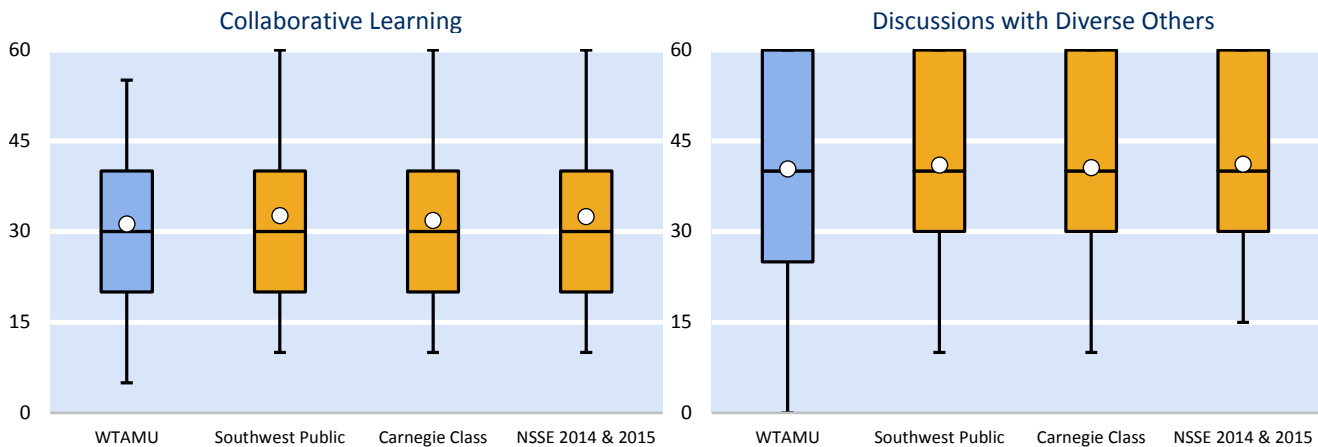
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions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

### Mean Comparisons

Engagement Indicator	WTAMU Mean	Your first-year students compared with					
		Southwest Public Mean	Effect size	Carnegie Class Mean	Effect size	NSSE 2014 & 2015 Mean	Effect size
Collaborative Learning	31.2	32.6	-.10	31.8	-.04	32.4	-.09
Discussions with Diverse Others	40.3	40.9	-.04	40.5	-.01	41.1	-.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.

### Summary of Indicator Items

#### Collaborative Learning

Percentage of students who responded that they "Very often" or "Often"...

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
1e. Asked another student to help you understand course material	45	51	49	50
1f. Explained course material to one or more students	58	58	56	57
1g. Prepared for exams by discussing or working through course material with other students	38	50	48	50
1h. Worked with other students on course projects or assignments	55	53	52	53

#### Discussions with Diverse Others

Percentage of students who responded that they "Very often" or "Often" had discussions with...

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
8a. People from a race or ethnicity other than your own	76	74	72	73
8b. People from an economic background other than your own	73	73	73	74
8c. People with religious beliefs other than your own	68	70	68	69
8d. People with political views other than your own	64	68	67	68

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



### Learning with Peers: Seniors

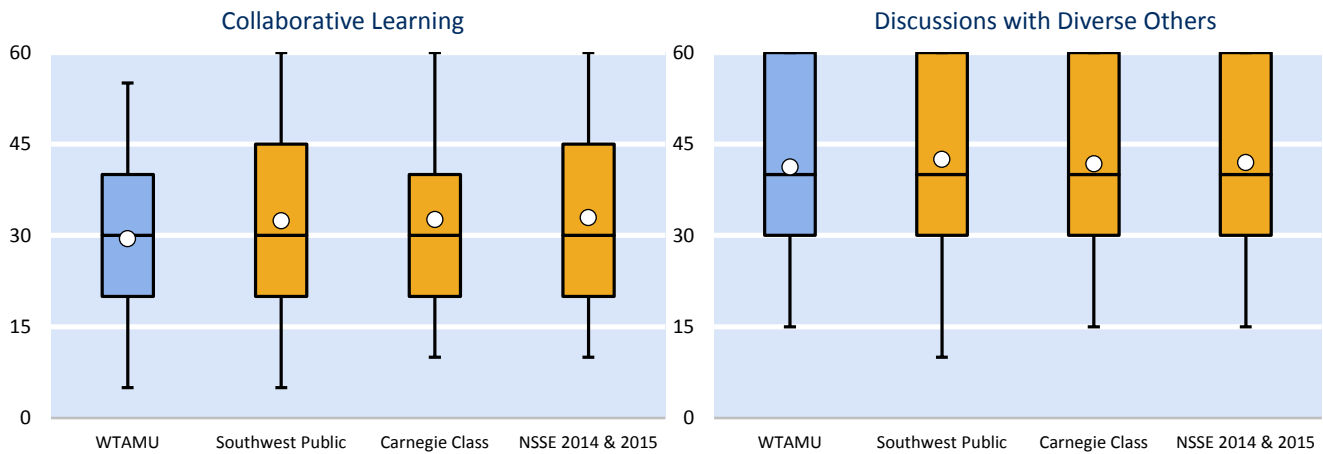
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions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

#### Mean Comparisons

Engagement Indicator	WTAMU Mean	Your seniors compared with					
		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	29.5	32.4 **	-.19	32.6 ***	-.22	32.9 ***	-.24
Discussions with Diverse Others	41.2	42.5	-.07	41.8	-.03	42.0	-.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



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#### Summary of Indicator Items

##### Collaborative Learning

Percentage of students who responded that they "Very often" or "Often"...

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
1e. Asked another student to help you understand course material	38	42	41	41
1f. Explained course material to one or more students	57	57	58	59
1g. Prepared for exams by discussing or working through course material with other students	39	47	46	47
1h. Worked with other students on course projects or assignments	57	62	65	65

##### Discussions with Diverse Others

Percentage of students who responded that they "Very often" or "Often" had discussions with...

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
8a. People from a race or ethnicity other than your own	73	76	74	74
8b. People from an economic background other than your own	76	76	74	75
8c. People with religious beliefs other than your own	64	72	70	71
8d. People with political views other than your own	70	72	70	71

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

### Experiences with Faculty: First-year students

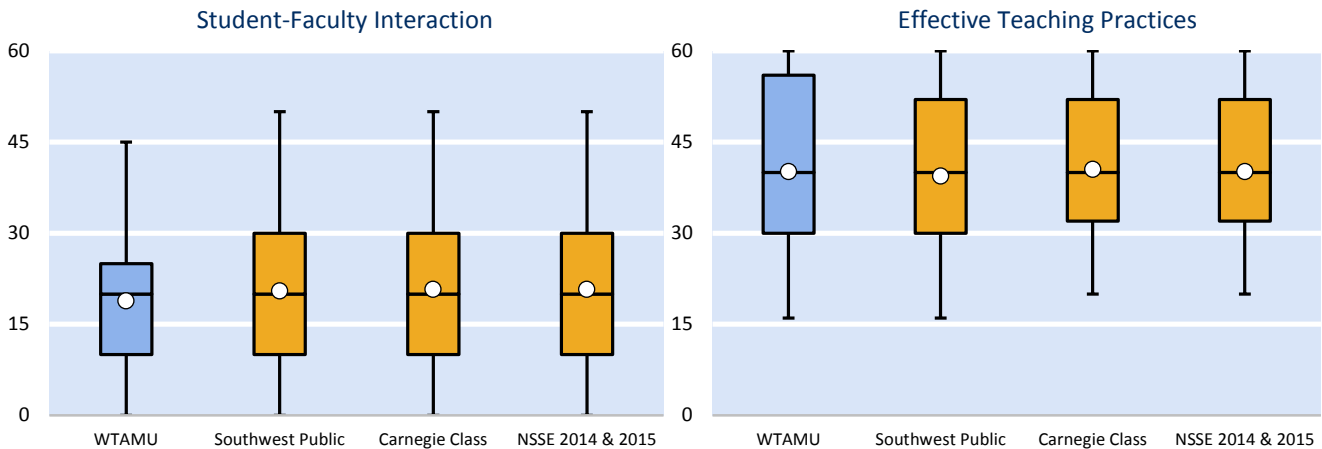
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course 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	WTAMU Mean	Your first-year students compared with					
		Southwest Public Mean	Effect size	Carnegie Class Mean	Effect size	NSSE 2014 & 2015 Mean	Effect size
Student-Faculty Interaction	18.9	20.5	-.11	20.7	-.12	20.7	-.13
Effective Teaching Practices	40.1	39.4	.05	40.5	-.03	40.1	.00

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

#### Score Distributions



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#### Summary of Indicator Items

Student-Faculty Interaction	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
3a. Talked about career plans with a faculty member	30	33	33	33
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	24	21	19	19
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	23	25	26	26
3d. Discussed your academic performance with a faculty member	21	29	30	30
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	80	79	81	80
5b. Taught course sessions in an organized way	77	78	78	79
5c. Used examples or illustrations to explain difficult points	77	75	77	77
5d. Provided feedback on a draft or work in progress	69	62	67	66
5e. Provided prompt and detailed feedback on tests or completed assignments	60	59	64	63

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

### Experiences with Faculty: Seniors

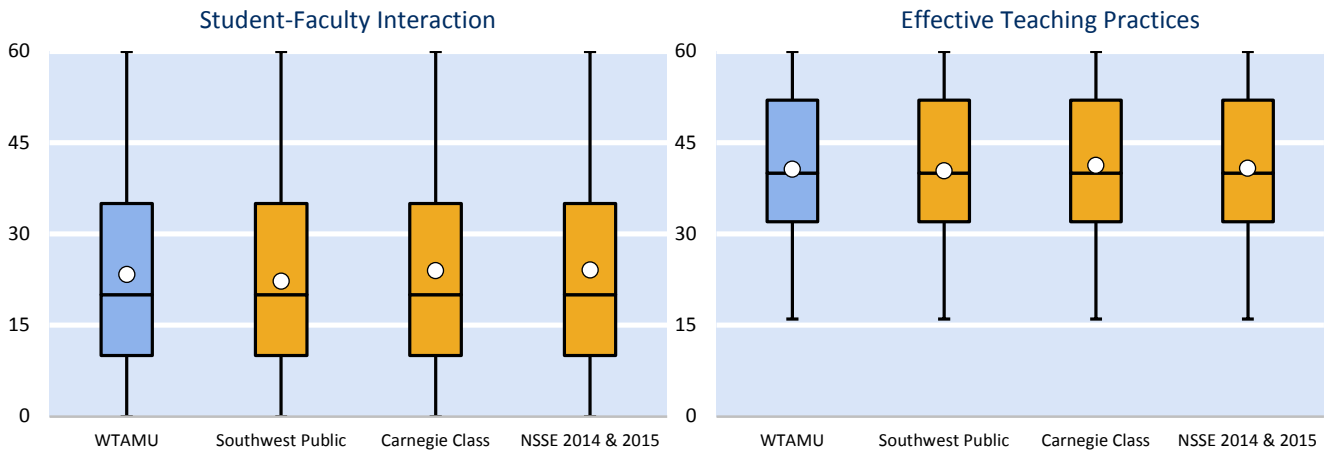
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Effective Teaching Practices	40.6	40.3	.02	41.2	-.04	40.8	-.01

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#### Summary of Indicator Items

##### Student-Faculty Interaction

Percentage of students who responded that they "Very often" or "Often"...

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
3a. Talked about career plans with a faculty member	46	38	43	43
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	27	25	26	27
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	33	31	34	34
3d. Discussed your academic performance with a faculty member	36	31	34	34

##### Effective Teaching Practices

Percentage responding "Very much" or "Quite a bit" about how much instructors have...

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
5a. Clearly explained course goals and requirements	87	81	83	82
5b. Taught course sessions in an organized way	81	79	80	80
5c. Used examples or illustrations to explain difficult points	79	78	79	79
5d. Provided feedback on a draft or work in progress	57	59	64	62
5e. Provided prompt and detailed feedback on tests or completed assignments	57	65	68	67

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

### Campus Environment: First-year students

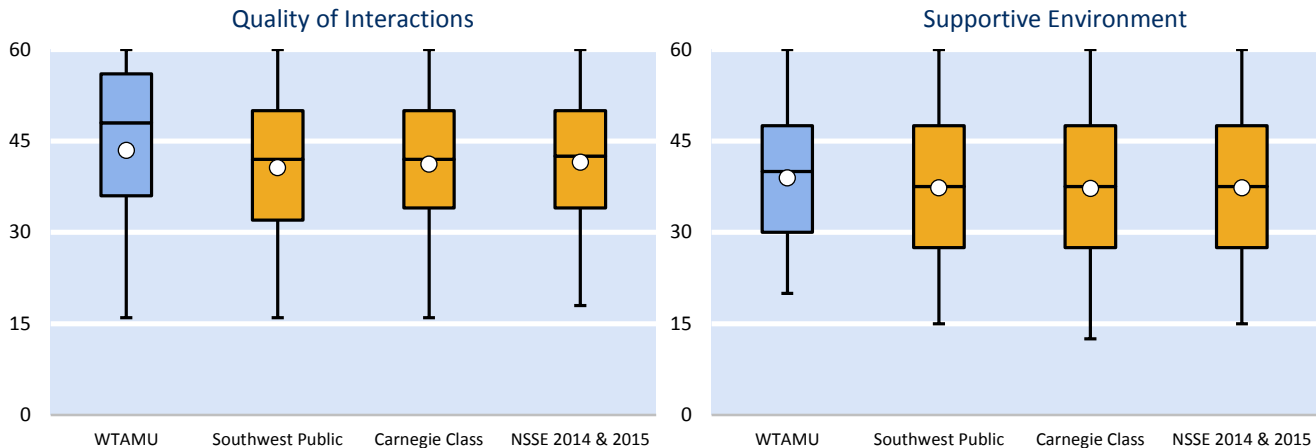
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your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

#### Mean Comparisons

Engagement Indicator	WTAMU Mean	Your first-year students compared with					
		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	43.4	40.6	.21	41.2	.17	41.5	.16
Supportive Environment	38.9	37.3	.12	37.2	.12	37.3	.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).

#### 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.

#### Summary of Indicator Items

##### Quality of Interactions

Percentage rating a 6 or 7 on a scale from 1="Poor" to 7="Excellent" their interactions with...

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
13a. Students	59	55	57	58
13b. Academic advisors	52	48	48	49
13c. Faculty	68	46	49	50
13d. Student services staff (career services, student activities, housing, etc.)	54	43	43	44
13e. Other administrative staff and offices (registrar, financial aid, etc.)	55	40	41	41

##### Supportive Environment

Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
14b. Providing support to help students succeed academically	82	76	77	77
14c. Using learning support services (tutoring services, writing center, etc.)	85	78	77	78
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	62	60	60	60
14e. Providing opportunities to be involved socially	80	72	72	73
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	71	71	71	72
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	37	46	46	45
14h. Attending campus activities and events (performing arts, athletic events, etc.)	74	69	66	67
14i. Attending events that address important social, economic, or political issues	52	51	53	53

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

### Campus Environment: Seniors

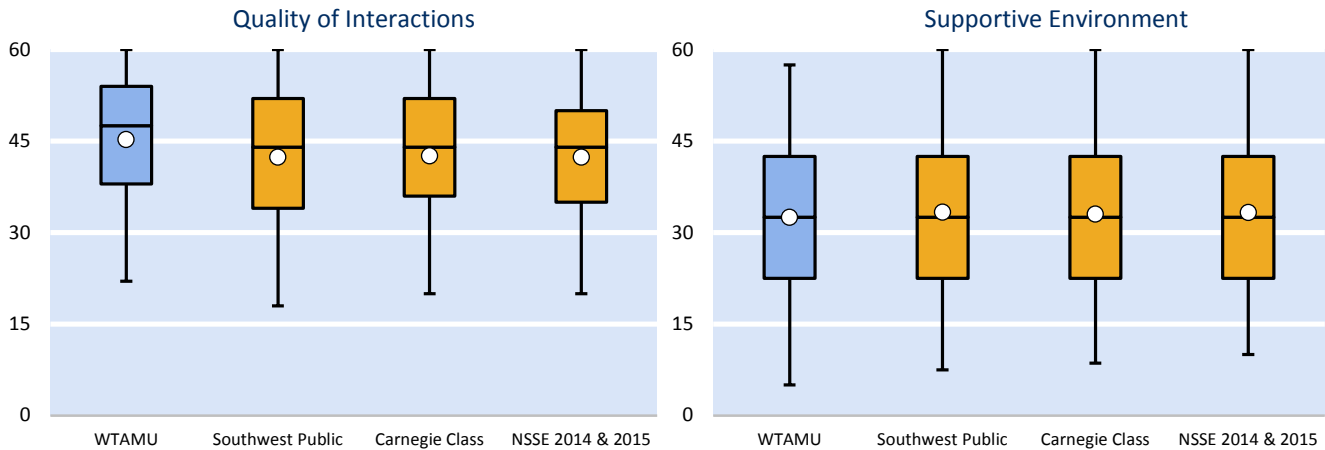
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your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

#### Mean Comparisons

Engagement Indicator	WTAMU Mean	Your seniors compared with					
		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	45.2	42.3 ***	.23	42.5 ***	.22	42.4 ***	.24
Supportive Environment	32.5	33.3	-.06	33.0	-.04	33.3	-.06

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

#### Score Distributions



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

#### Summary of Indicator Items

##### Quality of Interactions

Percentage rating a 6 or 7 on a scale from 1="Poor" to 7="Excellent" their interactions with...

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
13a. Students	59	63	63	63
13b. Academic advisors	64	52	52	52
13c. Faculty	69	58	60	59
13d. Student services staff (career services, student activities, housing, etc.)	54	44	43	42
13e. Other administrative staff and offices (registrar, financial aid, etc.)	54	43	42	41

##### Supportive Environment

Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...

	WTAMU	Southwest Public	Carnegie Class	NSSE 2014 & 2015
14b. Providing support to help students succeed academically	72	71	72	72
14c. Using learning support services (tutoring services, writing center, etc.)	69	66	67	67
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	52	55	54	53
14e. Providing opportunities to be involved socially	68	66	65	66
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	60	62	62	62
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	34	34	33	33
14h. Attending campus activities and events (performing arts, athletic events, etc.)	58	58	54	57
14i. Attending events that address important social, economic, or political issues	49	44	46	46

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

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

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

- (a) institutions with average scores placing them in the top 50% of all 2014 and 2015 NSSE institutions, and
- (b) institutions with average scores placing them in the top 10% of all 2014 and 2015 NSSE institutions.

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

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

<b>First-Year Students</b>		<b>WTAMU</b>	<b>Your first-year students compared with</b>						
<i>Theme</i>	<i>Engagement Indicator</i>		<i>Mean</i>	<b>NSSE Top 50%</b>			<b>NSSE Top 10%</b>		
				<i>Mean</i>	<i>Effect size</i>	✓	<i>Mean</i>	<i>Effect size</i>	✓
<i>Academic Challenge</i>	Higher-Order Learning	34.7	41.0 **	-.46		43.0 ***	-.61		
	Reflective and Integrative Learning	35.4	37.6	-.17		39.6 **	-.33		
	Learning Strategies	36.5	41.6 **	-.36		44.4 ***	-.56		
	Quantitative Reasoning	27.3	29.4	-.12		31.5 *	-.25		
<i>Learning with Peers</i>	Collaborative Learning	31.2	35.1 **	-.29		37.3 ***	-.44		
	Discussions with Diverse Others	40.3	43.3	-.20		45.5 *	-.35		
<i>Experiences with Faculty</i>	Student-Faculty Interaction	18.9	24.0 **	-.34		27.2 ***	-.52		
	Effective Teaching Practices	40.1	42.3	-.17		44.6 **	-.34		
<i>Campus Environment</i>	Quality of Interactions	43.4	44.0	-.05	✓	45.8	-.20		
	Supportive Environment	38.9	39.4	-.04	✓	41.3	-.18		

<b>Seniors</b>		<b>WTAMU</b>	<b>Your seniors compared with</b>						
<i>Theme</i>	<i>Engagement Indicator</i>		<i>Mean</i>	<b>NSSE Top 50%</b>			<b>NSSE Top 10%</b>		
				<i>Mean</i>	<i>Effect size</i>	✓	<i>Mean</i>	<i>Effect size</i>	✓
<i>Academic Challenge</i>	Higher-Order Learning	43.2	43.5	-.02	✓	45.3 *	-.15		
	Reflective and Integrative Learning	38.3	41.3 ***	-.24		43.1 ***	-.39		
	Learning Strategies	42.4	42.5	-.01	✓	44.8 **	-.17		
	Quantitative Reasoning	28.9	31.8 **	-.16		33.6 ***	-.28		
<i>Learning with Peers</i>	Collaborative Learning	29.5	35.7 ***	-.45		38.2 ***	-.64		
	Discussions with Diverse Others	41.2	43.9 **	-.17		45.9 ***	-.30		
<i>Experiences with Faculty</i>	Student-Faculty Interaction	23.3	29.8 ***	-.40		34.1 ***	-.65		
	Effective Teaching Practices	40.6	43.1 **	-.18		45.1 ***	-.34		
<i>Campus Environment</i>	Quality of Interactions	45.2	45.0	.02	✓	46.7	-.13		
	Supportive Environment	32.5	36.1 ***	-.26		38.8 ***	-.46		

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

a. Precision-weighted means (produced by Hierarchical Linear Modeling) were used to determine the top 50% and top 10% institutions for each Engagement Indicator from all NSSE 2014 and 2015 institutions, separately for first-year and senior students. Using this method, Engagement Indicator scores of institutions with relatively large standard errors were adjusted toward the mean of all students, while those with smaller standard errors received smaller corrections. As a result, schools with less stable data—even those with high average scores—may not be among the top scorers. NSSE does not publish the names of the top 50% and top 10% institutions because of our commitment not to release institutional results and our policy against ranking institutions.

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

#### Detailed Statistics: First-Year Students

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
WTAMU (N = 76)	34.7	16.7	1.92	10	20	40	45	60				
Southwest Public	38.7	14.2	.17	15	30	40	50	60	76	-4.0	.042	-.280
Carnegie Class	39.3	14.0	.08	15	30	40	50	60	75	-4.6	.019	-.328
NSSE 2014 & 2015	39.4	13.9	.04	20	30	40	50	60	75	-4.7	.017	-.336
Top 50%	41.0	13.7	.06	20	30	40	50	60	75	-6.3	.002	-.457
Top 10%	43.0	13.8	.14	20	35	40	55	60	75	-8.4	.000	-.606
<b>Reflective &amp; Integrative Learning</b>												
WTAMU (N = 80)	35.4	12.9	1.44	14	29	37	43	60				
Southwest Public	35.0	12.8	.15	17	26	34	43	60	7,131	.4	.798	.029
Carnegie Class	36.0	12.7	.07	17	26	37	43	60	33,823	-.6	.677	-.047
NSSE 2014 & 2015	36.0	12.7	.04	17	26	34	43	60	103,054	-.6	.685	-.045
Top 50%	37.6	12.7	.06	17	29	37	46	60	51,918	-2.2	.120	-.174
Top 10%	39.6	12.8	.13	20	31	40	49	60	10,457	-4.2	.004	-.327
<b>Learning Strategies</b>												
WTAMU (N = 74)	36.5	15.1	1.76	13	27	40	47	60				
Southwest Public	38.6	14.4	.18	13	27	40	47	60	6,291	-2.1	.203	-.149
Carnegie Class	39.8	14.3	.08	20	27	40	53	60	29,964	-3.3	.048	-.231
NSSE 2014 & 2015	39.7	14.3	.05	20	27	40	53	60	91,502	-3.2	.052	-.226
Top 50%	41.6	14.1	.07	20	33	40	53	60	43,616	-5.1	.002	-.361
Top 10%	44.4	14.0	.14	20	33	47	60	60	9,931	-7.9	.000	-.564
<b>Quantitative Reasoning</b>												
WTAMU (N = 76)	27.3	17.1	1.96	0	20	27	40	60				
Southwest Public	28.7	16.7	.20	0	20	27	40	60	6,966	-1.4	.477	-.082
Carnegie Class	27.7	16.7	.09	0	20	27	40	60	32,862	-.4	.845	-.022
NSSE 2014 & 2015	27.9	16.6	.05	0	20	27	40	60	100,286	-.6	.743	-.038
Top 50%	29.4	16.6	.07	0	20	27	40	60	63,770	-2.1	.276	-.125
Top 10%	31.5	16.5	.15	0	20	33	40	60	12,687	-4.2	.027	-.254
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
WTAMU (N = 83)	31.2	14.0	1.53	5	20	30	40	55				
Southwest Public	32.6	14.3	.17	10	20	30	40	60	7,408	-1.4	.384	-.096
Carnegie Class	31.8	14.3	.08	10	20	30	40	60	34,751	-.6	.714	-.040
NSSE 2014 & 2015	32.4	14.3	.04	10	20	30	40	60	106,126	-1.3	.424	-.088
Top 50%	35.1	13.8	.06	15	25	35	45	60	58,449	-4.0	.009	-.287
Top 10%	37.3	13.8	.12	15	25	35	50	60	12,930	-6.1	.000	-.440
<b>Discussions with Diverse Others</b>												
WTAMU (N = 75)	40.3	18.6	2.14	0	25	40	60	60				
Southwest Public	40.9	16.6	.21	10	30	40	60	60	6,365	-.6	.739	-.039
Carnegie Class	40.5	16.3	.09	10	30	40	60	60	30,324	-.2	.919	-.012
NSSE 2014 & 2015	41.1	16.1	.05	15	30	40	60	60	92,615	-.8	.681	-.047
Top 50%	43.3	15.4	.07	20	35	45	60	60	74	-3.0	.159	-.198
Top 10%	45.5	14.8	.13	20	40	50	60	60	75	-5.2	.017	-.352



#### Detailed Statistics: First-Year Students

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
WTAMU (N = 78)	18.9	14.0	1.58	0	10	20	25	45				
Southwest Public	20.5	15.2	.18	0	10	20	30	50	6,984	-1.6	.355	-.105
Carnegie Class	20.7	15.0	.08	0	10	20	30	50	33,057	-1.9	.273	-.124
NSSE 2014 & 2015	20.7	14.9	.05	0	10	20	30	50	100,755	-1.9	.267	-.125
Top 50%	24.0	15.2	.08	0	15	20	35	55	33,698	-5.2	.003	-.341
Top 10%	27.2	16.1	.21	5	15	25	40	60	80	-8.4	.000	-.520
<b>Effective Teaching Practices</b>												
WTAMU (N = 78)	40.1	15.1	1.71	16	30	40	56	60				
Southwest Public	39.4	13.8	.17	16	30	40	52	60	7,036	.7	.653	.051
Carnegie Class	40.5	13.5	.07	20	32	40	52	60	33,267	-.4	.812	-.027
NSSE 2014 & 2015	40.1	13.4	.04	20	32	40	52	60	101,410	.0	.989	-.002
Top 50%	42.3	13.2	.07	20	32	40	52	60	38,633	-2.2	.137	-.169
Top 10%	44.6	13.3	.15	20	36	44	56	60	7,759	-4.5	.003	-.341
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
WTAMU (N = 74)	43.4	14.0	1.63	16	36	48	56	60				
Southwest Public	40.6	13.2	.17	16	32	42	50	60	6,124	2.8	.068	.214
Carnegie Class	41.2	12.8	.08	16	34	42	50	60	29,020	2.2	.134	.175
NSSE 2014 & 2015	41.5	12.6	.04	18	34	43	50	60	88,601	2.0	.179	.156
Top 50%	44.0	11.7	.06	22	38	46	52	60	73	-.5	.738	-.047
Top 10%	45.8	11.9	.14	23	40	48	55	60	74	-2.4	.147	-.202
<b>Supportive Environment</b>												
WTAMU (N = 67)	38.9	12.9	1.58	20	30	40	48	60				
Southwest Public	37.3	14.1	.19	15	28	38	48	60	5,802	1.7	.337	.118
Carnegie Class	37.2	14.2	.09	13	28	38	48	60	27,763	1.8	.309	.124
NSSE 2014 & 2015	37.3	13.9	.05	15	28	38	48	60	85,217	1.6	.341	.116
Top 50%	39.4	13.4	.06	18	30	40	50	60	42,923	-.5	.756	-.038
Top 10%	41.3	13.0	.13	20	33	40	53	60	9,432	-2.4	.135	-.183

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 SEM) is the range that is 95% likely to contain the true population mean.

d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.

e. Degrees of freedom used to compute the *t*-tests. Values vary from the total Ns due to weighting and whether equal variances were assumed.

f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

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

#### Detailed Statistics: Seniors

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
WTAMU (N = 268)	43.2	13.8	.84	20	35	40	55	60				
Southwest Public	41.2	14.6	.12	15	30	40	55	60	13,916	2.1	.023	.141
Carnegie Class	41.7	14.2	.06	20	35	40	55	60	55,466	1.5	.079	.108
NSSE 2014 & 2015	41.4	14.2	.04	20	30	40	55	60	161,882	1.9	.030	.133
Top 50%	43.5	13.8	.06	20	35	40	55	60	60,875	-.3	.761	-.019
Top 10%	45.3	13.6	.11	20	40	45	60	60	16,620	-2.1	.014	-.152
<b>Reflective &amp; Integrative Learning</b>												
WTAMU (N = 279)	38.3	12.7	.76	20	29	37	49	60				
Southwest Public	38.0	13.5	.11	17	29	37	49	60	14,466	.3	.695	.024
Carnegie Class	39.3	13.1	.05	20	31	40	49	60	57,778	-1.0	.193	-.078
NSSE 2014 & 2015	39.0	13.1	.03	17	29	40	49	60	168,479	-.8	.332	-.058
Top 50%	41.3	12.7	.05	20	31	40	51	60	61,016	-3.0	.000	-.236
Top 10%	43.1	12.5	.10	20	34	43	54	60	15,325	-4.8	.000	-.386
<b>Learning Strategies</b>												
WTAMU (N = 244)	42.4	15.0	.96	13	33	40	60	60				
Southwest Public	41.0	14.9	.13	13	33	40	53	60	12,930	1.4	.148	.093
Carnegie Class	40.8	14.8	.06	13	33	40	53	60	52,228	1.5	.104	.104
NSSE 2014 & 2015	40.3	14.8	.04	13	27	40	53	60	152,744	2.1	.031	.138
Top 50%	42.5	14.6	.05	20	33	40	60	60	77,012	-.1	.916	-.007
Top 10%	44.8	14.2	.10	20	33	47	60	60	20,406	-2.5	.007	-.174
<b>Quantitative Reasoning</b>												
WTAMU (N = 274)	28.9	17.3	1.04	0	20	27	40	60				
Southwest Public	30.5	17.6	.15	0	20	27	40	60	14,151	-1.5	.159	-.086
Carnegie Class	30.0	17.4	.07	0	20	27	40	60	56,474	-1.1	.295	-.063
NSSE 2014 & 2015	30.4	17.4	.04	0	20	27	40	60	164,938	-1.4	.172	-.083
Top 50%	31.8	17.3	.05	0	20	33	40	60	102,886	-2.8	.007	-.162
Top 10%	33.6	16.9	.11	0	20	33	47	60	22,917	-4.7	.000	-.277
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
WTAMU (N = 279)	29.5	15.4	.92	5	20	30	40	55				
Southwest Public	32.4	15.2	.13	5	20	30	45	60	14,890	-3.0	.001	-.194
Carnegie Class	32.6	14.6	.06	10	20	30	40	60	58,735	-3.1	.000	-.215
NSSE 2014 & 2015	32.9	14.6	.04	10	20	30	45	60	171,748	-3.5	.000	-.237
Top 50%	35.7	13.9	.05	15	25	35	45	60	280	-6.2	.000	-.448
Top 10%	38.2	13.7	.10	15	30	40	50	60	286	-8.7	.000	-.635
<b>Discussions with Diverse Others</b>												
WTAMU (N = 245)	41.2	16.6	1.06	15	30	40	60	60				
Southwest Public	42.5	17.0	.15	10	30	40	60	60	13,118	-1.3	.251	-.074
Carnegie Class	41.8	16.3	.07	15	30	40	60	60	52,749	-.6	.589	-.035
NSSE 2014 & 2015	42.0	16.1	.04	15	30	40	60	60	154,374	-.8	.466	-.047
Top 50%	43.9	15.9	.05	20	35	45	60	60	98,850	-2.7	.008	-.170
Top 10%	45.9	15.4	.10	20	40	50	60	60	23,883	-4.7	.000	-.305

#### Detailed Statistics: Seniors

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
WTAMU (N = 274)	23.3	17.9	1.08	0	10	20	35	60				
Southwest Public	22.2	16.6	.14	0	10	20	35	60	283	1.1	.317	.066
Carnegie Class	23.9	16.5	.07	0	10	20	35	60	276	-.7	.543	-.040
NSSE 2014 & 2015	24.0	16.4	.04	0	10	20	35	60	274	-.8	.483	-.046
Top 50%	29.8	16.2	.08	5	20	30	40	60	276	-6.5	.000	-.398
Top 10%	34.1	16.5	.22	5	20	35	45	60	296	-10.8	.000	-.651
<b>Effective Teaching Practices</b>												
WTAMU (N = 273)	40.6	14.0	.85	16	32	40	52	60				
Southwest Public	40.3	14.6	.12	16	32	40	52	60	14,295	.3	.754	.019
Carnegie Class	41.2	14.0	.06	16	32	40	52	60	57,115	-.6	.465	-.044
NSSE 2014 & 2015	40.8	13.9	.03	16	32	40	52	60	166,605	-.2	.847	-.012
Top 50%	43.1	13.6	.06	20	36	44	56	60	56,556	-2.5	.003	-.180
Top 10%	45.1	13.4	.13	20	36	48	60	60	10,754	-4.5	.000	-.337
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
WTAMU (N = 229)	45.2	11.8	.78	22	38	48	54	60				
Southwest Public	42.3	12.6	.11	18	34	44	52	60	12,346	2.9	.001	.230
Carnegie Class	42.5	12.2	.05	20	36	44	52	60	50,452	2.7	.001	.222
NSSE 2014 & 2015	42.4	12.0	.03	20	35	44	50	60	147,782	2.9	.000	.239
Top 50%	45.0	11.4	.05	24	38	46	54	60	52,041	.3	.726	.023
Top 10%	46.7	11.8	.10	24	40	50	56	60	13,145	-1.5	.058	-.127
<b>Supportive Environment</b>												
WTAMU (N = 221)	32.5	15.2	1.02	5	23	33	43	58				
Southwest Public	33.3	15.2	.14	8	23	33	43	60	12,218	-.9	.408	-.056
Carnegie Class	33.0	14.7	.07	9	23	33	43	60	49,595	-.5	.593	-.036
NSSE 2014 & 2015	33.3	14.5	.04	10	23	33	43	60	145,342	-.8	.406	-.056
Top 50%	36.1	13.9	.06	13	26	38	45	60	58,743	-3.6	.000	-.258
Top 10%	38.8	13.7	.13	15	30	40	50	60	227	-6.3	.000	-.456

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 SEM) 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.