



NSSE 2016
Multi-Year Report
Angelo State University

About Your Multi-Year Report

For institutions participating in multiple NSSE administrations since 2013, the year of the last survey update, this report presents year-to-year results for Engagement Indicators (EIs), High-Impact Practices (HIPs), and key academic challenge items to illustrate patterns of change or stability. It also provides details such as number of respondents, standard deviation, and standard error so that statistical tests can be calculated.

For more information and recommendations for analyzing NSSE data over time, consult the *Multi-Year Data Analysis Guide* on the NSSE website.
nsse.indiana.edu/pdf/MYDAG.pdf

This report contains three main parts: (a) a page that provides a quick reference to important information about each year's administration, (b) multi-year figures, and (c) detailed statistics. Key terms and features are illustrated below.

Report sections

Administration Summaries (p. 3)

A summary of respondent counts, response rates, sampling errors, and administration details for each participation year.

Engagement Results by Theme (pp. 4-7)

Results for ten EIs and selected individual survey items are displayed, organized under four broad themes. The Academic Challenge theme is represented by four EIs as well as several individual items. The three remaining engagement themes (Learning with Peers, Experiences with Faculty, and Campus Environment) follow, each represented by two EIs.

High-Impact Practices (pp. 8-9)

Results for six HIPs are displayed. First-year results indicate students who *participated* in a Learning Community, Service-Learning, and Research with Faculty, and who *planned to do* an Internship or Field Experience, Study Abroad, and a Culminating Senior Experience. Senior results indicate students who participated in all six.

Detailed Statistics (pp. 10-13)

Displays detailed information for results including counts, standard errors, and confidence intervals (CIs) for each measure.

Interpreting year-to-year results

When examining year-to-year results, you may wonder whether observed differences signify meaningful change and whether a trend is indicated. Figures display CIs around each score showing the range of values that will contain the population score 95% of the time. Upper and lower CI bounds are also reported in the Detailed Statistics section.

For further investigation

The Report Builder—Institution Version, updated with current data in the fall, allows for multi-year analysis of Engagement Indicators and individual items. It also affords the analysis of results by subpopulation.

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Administration Summaries

Angelo State University

The precision of an institution's population estimates can vary between administrations. An important early step in conducting a multi-year analysis is to review data quality. The values in the tables below were drawn from your *Administration Summary* reports.

Response Details by Participation Year

First-year students						Seniors				
Year	Response rate ^a	Sampling error ^b	Total respondents ^c	Full completions	Partial completions	Response rate ^a	Sampling error ^b	Total respondents ^c	Full completions	Partial completions
2013	13%	+/- 6.0%	231	155	76	24%	+/- 6.4%	178	134	44
2014						28%	+/- 4.9%	284	223	61
2015	22%	+/- 4.6%	355	234	121	21%	+/- 6.2%	198	142	56
2016	14%	+/- 6.0%	230	166	64					
2017										
2018										
2019										
2020										

Administration Details by Participation Year

Year	Recruitment method	Sample type	Incentives offered	Topical module(s)	Consortium	BCSSE	FSSE
2013	Email	Census	No	None	None	No	No
2014							
2015	Email	Census	Yes	Civic Engagement, FY Experiences / Sr Transitions	None	No	No
2016	Email	Census	No	None	None	No	No
2017							
2018							
2019							
2020							

Note: All of your institution's participation years since 2013 (the first year of the updated NSSE) are reported. Years in which your institution did not participate are blank.

a. Response rates (number of respondents divided by sample size) are adjusted for ineligibility, nondeliverable addresses, and students who were unavailable during the survey administration.

b. Sampling error gauges the precision of results based on a sample survey. It is an estimate (at the 95% confidence level) of how much survey item percentages for your respondents could differ from those of the entire population of students at your institution. While data with larger sampling errors (such as +/-10%) need not be dismissed out of hand, such results should be interpreted more conservatively.

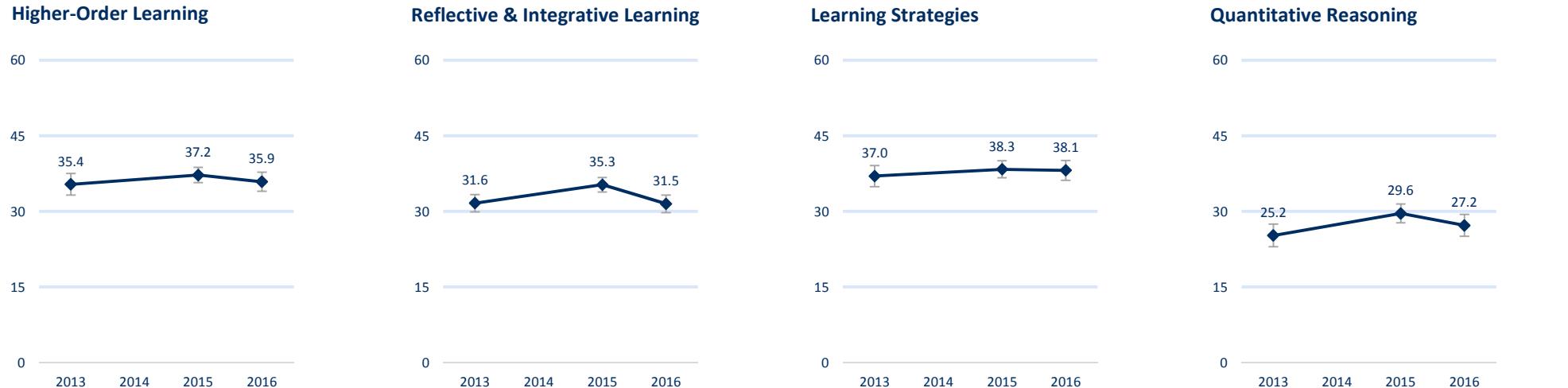
c. This is the count used to calculate response rates and sampling errors for each year's *Administration Summary* report. This number includes all census-administered and randomly sampled students.

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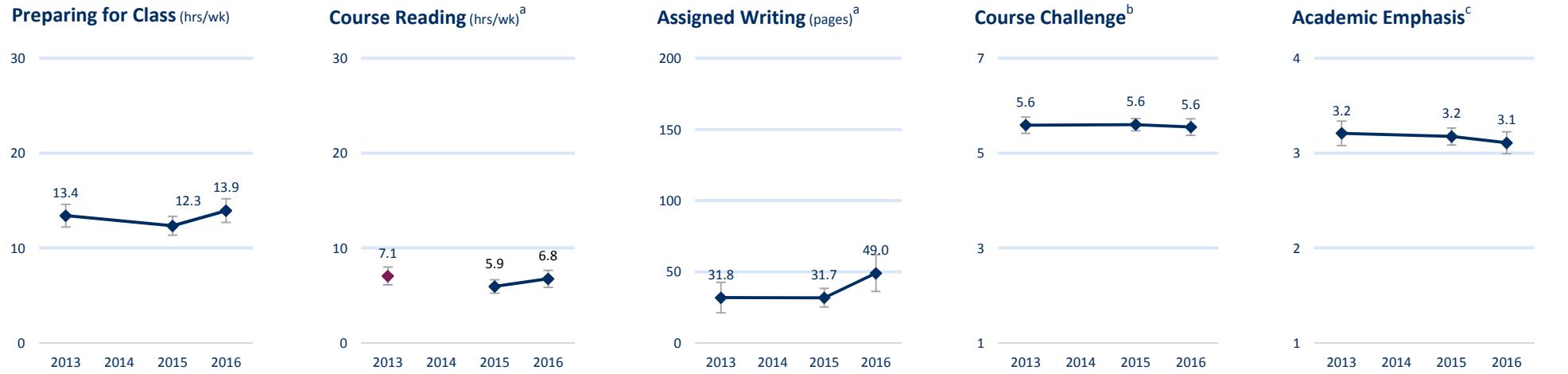
Engagement Results by Theme Angelo State University

Engagement Indicators (EIs) provide valuable information about distinct aspects of student engagement, organized within four themes. EI scores represent the averaged student responses to a set of related survey questions. The Academic Challenge theme contains four EIs as well as several important individual items. See page 10 for detailed statistics. For more information, including the items that make up each EI, refer to your *Engagement Indicators* report.

Academic Challenge: First-year students



Academic Challenge (additional items): First-year students



a. Values for Course Reading and Assigned Writing are estimates calculated from two or more survey questions. The Course Reading question was modified after 2013; comparability between 2013 and later years is limited.

b. Extent to which courses challenged students to do their best work (from 1 = "Not at all" to 7 = "Very much").

c. How much students said the institution emphasizes spending significant time studying and on academic work (1 = "Very little," 2 = "Some," 3 = "Quite a bit," and 4 = "Very much").

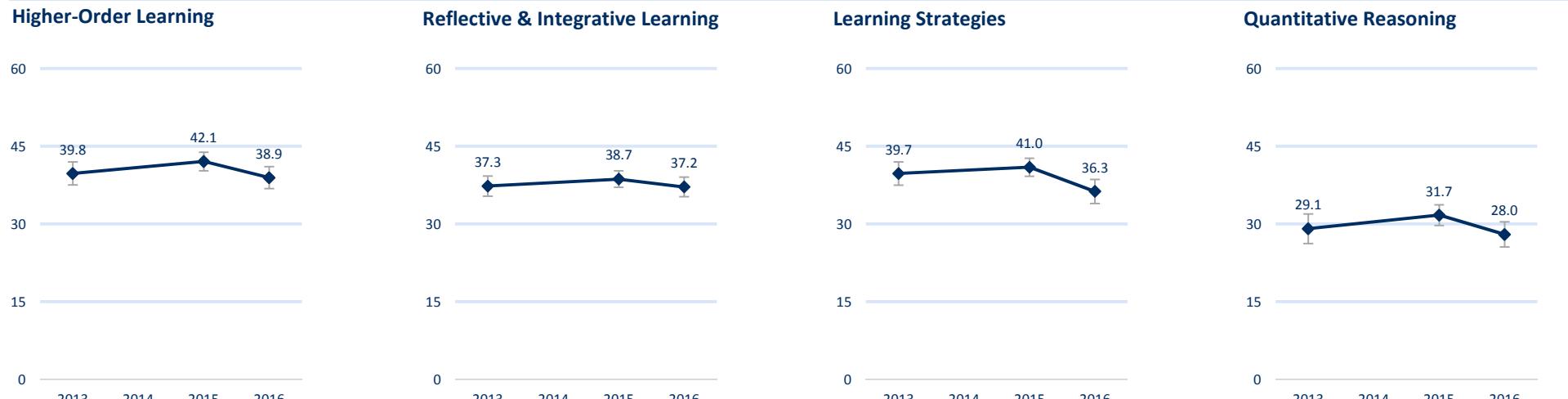
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Engagement Results by Theme

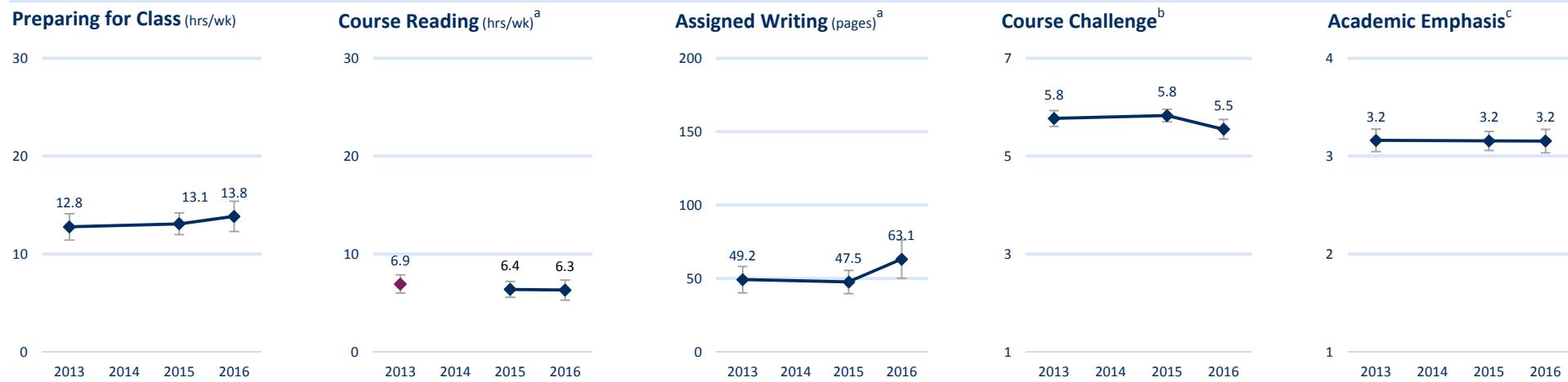
Angelo State University

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Academic Challenge: Seniors



Academic Challenge (additional items): Seniors



a. Values for Course Reading and Assigned Writing are estimates calculated from two or more survey questions. The Course Reading question was modified after 2013; comparability between 2013 and later years is limited.

b. Extent to which courses challenged students to do their best work (from 1 = "Not at all" to 7 = "Very much").

c. How much students said the institution emphasizes spending significant time studying and on academic work (1 = "Very little," 2 = "Some," 3 = "Quite a bit," and 4 = "Very much").

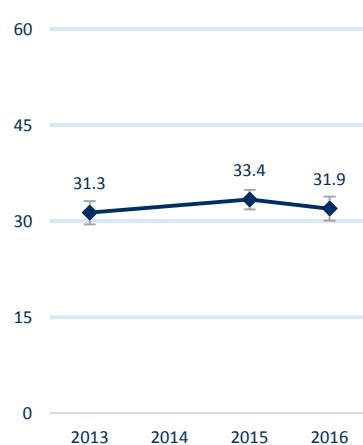
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Engagement Results by Theme Angelo State University

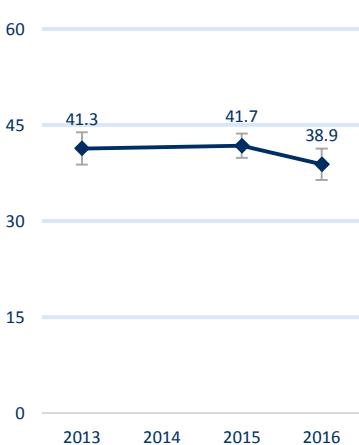
Engagement Indicators (EIs) provide valuable information about distinct aspects of student engagement, organized within four themes. EI scores represent the averaged student responses to a set of related survey questions. The Learning with Peers, Experiences with Faculty, and Campus Environment themes are each represented by two EIs. See pages 10-11 for detailed statistics. For more information, including the items that make up each EI, refer to your *Engagement Indicators* report.

Learning with Peers: First-year students

Collaborative Learning

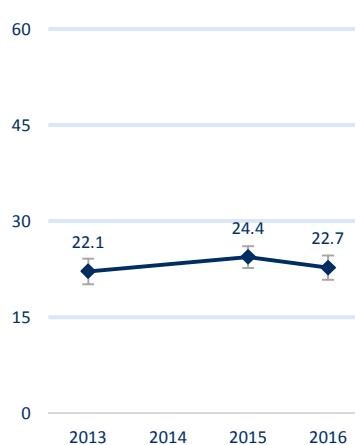


Discussions with Diverse Others

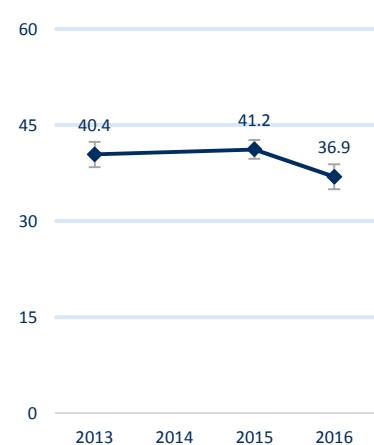


Experiences with Faculty: First-year students

Student-Faculty Interaction

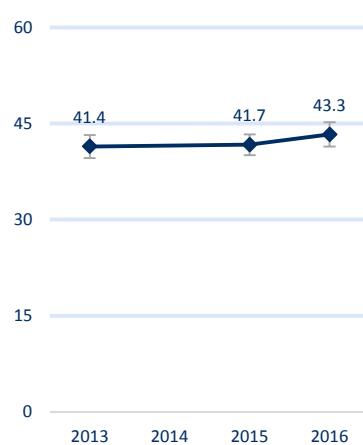


Effective Teaching Practices

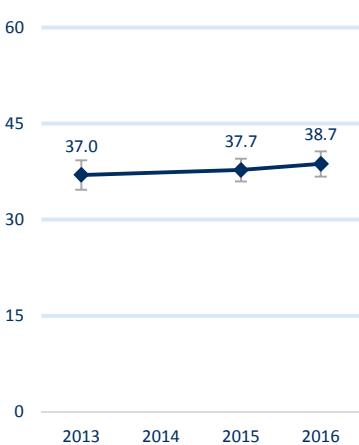


Campus Environment: First-year students

Quality of Interactions



Supportive Environment



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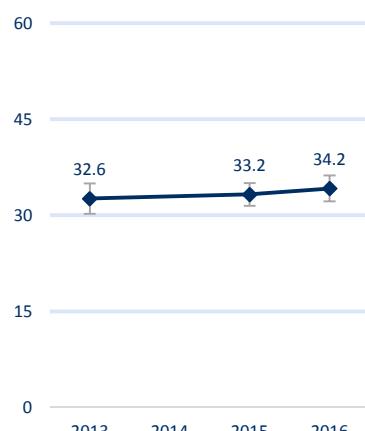
Engagement Results by Theme

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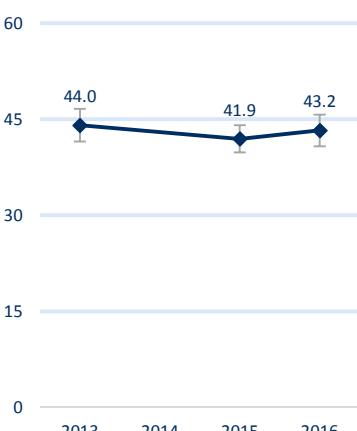
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Learning with Peers: Seniors

Collaborative Learning

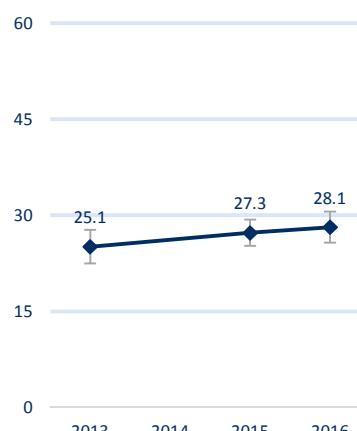


Discussions with Diverse Others

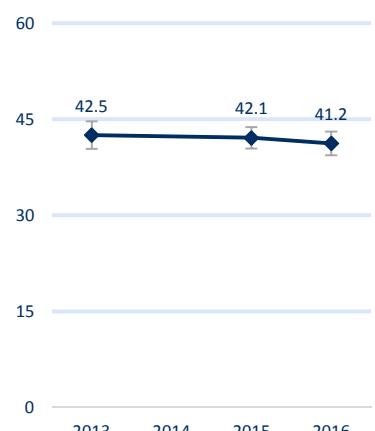


Experiences with Faculty: Seniors

Student-Faculty Interaction

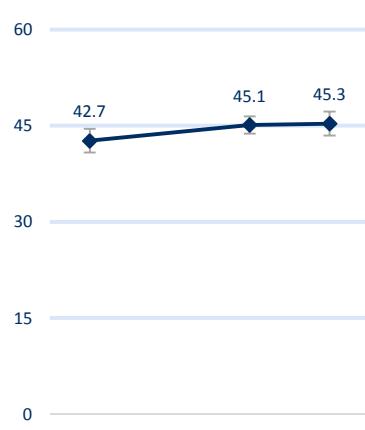


Effective Teaching Practices

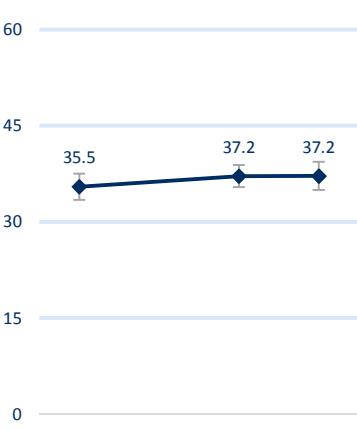


Campus Environment: Seniors

Quality of Interactions



Supportive Environment



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High-Impact Practices

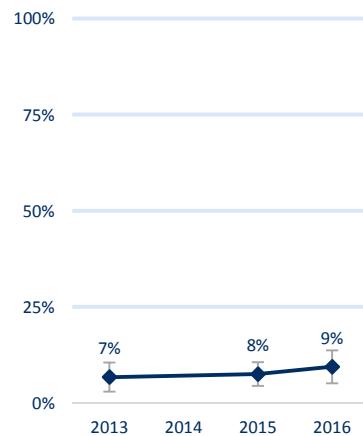
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Due to their positive associations with student learning and retention, special undergraduate opportunities are designated "high-impact." The figures below display first-year students' participation, or intent to participate, in High-Impact Practices (HIPs) by year. See page 12 for detailed statistics. For more information, refer to your *High-Impact Practices* report.

High-Impact Practices: First-year students

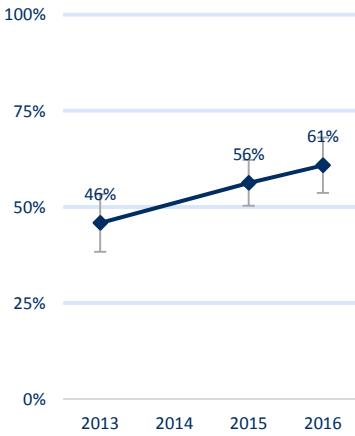
Learning Community

(Done or in progress)



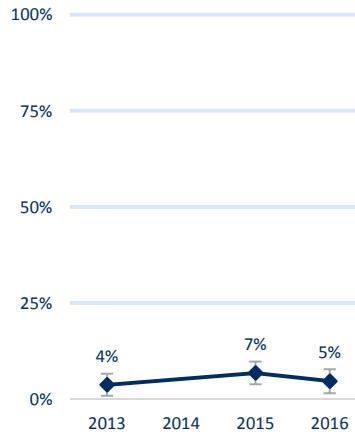
Service-Learning

(Some, most, or all courses)



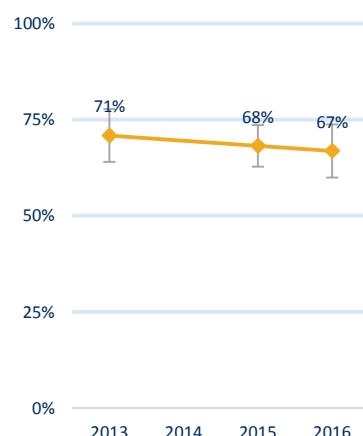
Research with Faculty

(Done or in progress)



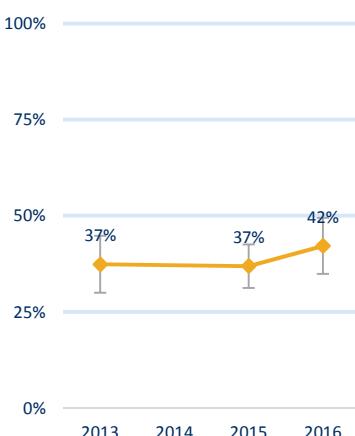
Internship/Field Experience

(Plan to do)



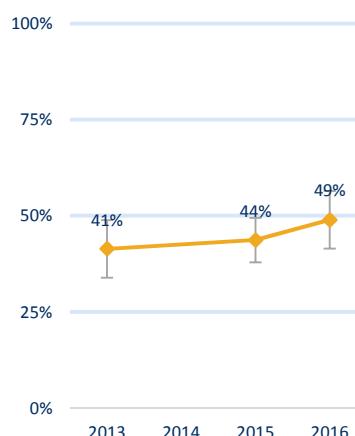
Study Abroad

(Plan to do)



Culminating Senior Experience

(Plan to do)



Overall first-year HIP participation

The figure below displays the percentages of first-year students who participated in one, and two or more, HIPs. The figure is limited to participation in a learning community, service-learning, and research with faculty.



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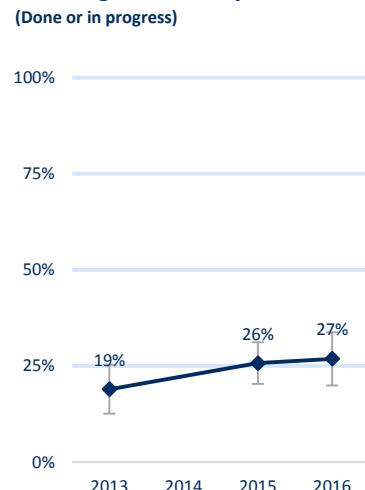
High-Impact Practices

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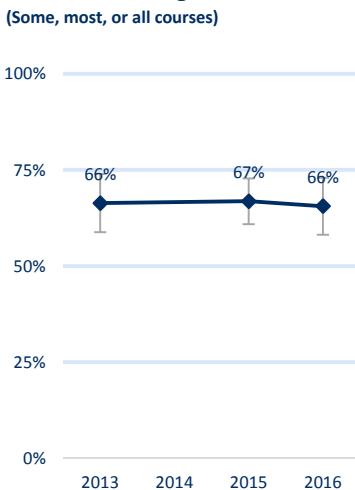
Due to their positive associations with student learning and retention, special undergraduate opportunities are designated "high-impact." Participation in High-Impact Practices (HIPs) by year is displayed in the figures below. See page 12 for detailed statistics. For more information, refer to your *High-Impact Practices* report.

High-Impact Practices: Seniors

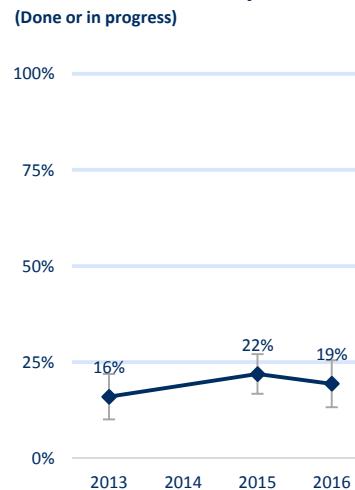
Learning Community (Done or in progress)



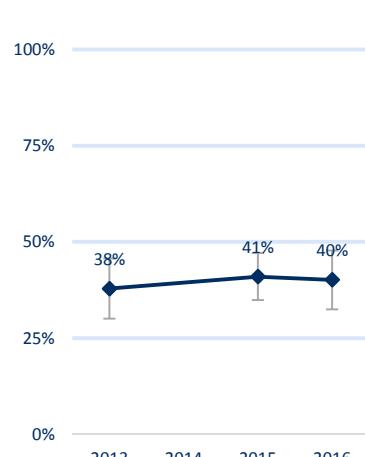
Service-Learning (Some, most, or all courses)



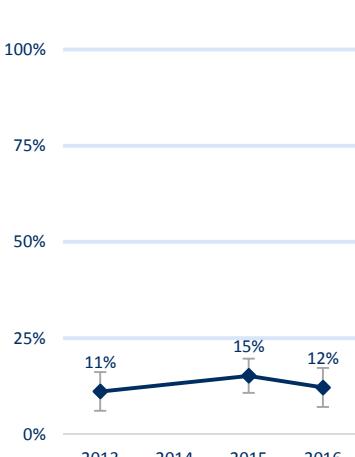
Research with Faculty (Done or in progress)



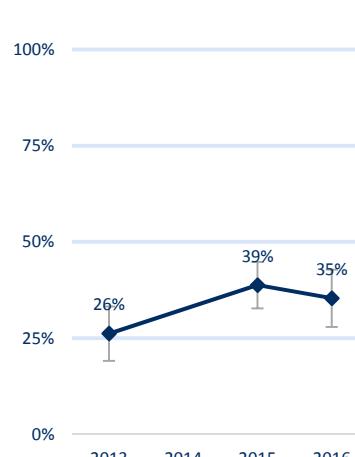
Internship/Field Experience (Done or in progress)



Study Abroad (Done or in progress)



Culminating Senior Experience (Done or in progress)



Overall senior HIP participation

The figure below displays the percentages of seniors who participated in one, and two or more, HIPs. The figure includes all six HIPs.



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Detailed Statistics: Engagement Indicators and Additional Items

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	First-year students							Seniors							
	2013	2014	2015	2016	2017	2018	2019	2020	2013	2014	2015	2016	2017	2018	2019
<i>Academic Challenge</i>															
Higher-Order Learning	<i>Mean</i>	35.4		37.2		35.9			39.8		42.1		38.9		
	<i>n</i>	195		303		206			160		258		179		
	<i>SD</i>	15.3		13.5		13.8			14.3		14.7		14.5		
	<i>SE</i>	1.10		.78		.96			1.13		.92		1.09		
	<i>CI upper bound</i>	37.5		38.7		37.8			42.0		43.9		41.1		
	<i>CI lower bound</i>	33.2		35.7		34.0			37.6		40.3		36.8		
Reflective & Integrative Learning	<i>Mean</i>	31.6		35.3		31.5			37.3		38.7		37.2		
	<i>n</i>	203		318		211			163		270		185		
	<i>SD</i>	12.5		13.0		12.8			12.8		13.4		13.2		
	<i>SE</i>	.88		.73		.88			1.00		.81		.97		
	<i>CI upper bound</i>	33.4		36.7		33.2			39.3		40.3		39.1		
	<i>CI lower bound</i>	29.9		33.9		29.8			35.4		37.1		35.3		
Learning Strategies	<i>Mean</i>	37.0		38.3		38.1			39.7		41.0		36.3		
	<i>n</i>	170		277		179			149		252		163		
	<i>SD</i>	14.0		14.3		13.4			13.9		14.0		15.1		
	<i>SE</i>	1.08		.86		1.00			1.14		.88		1.18		
	<i>CI upper bound</i>	39.1		40.0		40.1			42.0		42.7		38.6		
	<i>CI lower bound</i>	34.9		36.7		36.2			37.5		39.2		34.0		
Quantitative Reasoning	<i>Mean</i>	25.2		29.6		27.2			29.1		31.7		28.0		
	<i>n</i>	197		311		201			164		267		174		
	<i>SD</i>	16.2		16.7		15.8			18.6		16.6		16.2		
	<i>SE</i>	1.15		.95		1.11			1.45		1.02		1.23		
	<i>CI upper bound</i>	27.5		31.4		29.4			31.9		33.7		30.4		
	<i>CI lower bound</i>	23.0		27.7		25.0			26.2		29.7		25.6		
<i>Academic Challenge (additional items)</i>															
Preparing for Class	<i>Mean</i>	13.4		12.3		13.9			12.8		13.1		13.8		
(hours/week)	<i>n</i>	157		247		165			135		233		141		
	<i>SD</i>	7.6		7.9		8.2			8.0		8.7		9.3		
	<i>SE</i>	.61		.50		.64			.68		.57		.78		
	<i>CI upper bound</i>	14.6		13.3		15.2			14.1		14.2		15.4		
	<i>CI lower bound</i>	12.2		11.4		12.7			11.4		12.0		12.3		
Course Reading	<i>Mean</i>	7.1		5.9		6.8			6.9		6.4		6.3		
Estimated hours per week calculated from two survey questions. The item was modified in 2014; comparability between 2013 and later years is limited.	<i>n</i>	156		238		164			135		220		139		
	<i>SD</i>	6.0		5.6		5.9			5.5		6.2		6.2		
	<i>SE</i>	.48		.36		.46			.47		.42		.52		
	<i>CI upper bound</i>	8.0		6.7		7.7			7.9		7.2		7.3		
	<i>CI lower bound</i>	6.1		5.2		5.9			6.0		5.6		5.3		

Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).

NSSE 2016 Multi-Year Report

Detailed Statistics: Engagement Indicators and Additional Items

Angelo State University

	First-year students							Seniors							
	2013	2014	2015	2016	2017	2018	2019	2020	2013	2014	2015	2016	2017	2018	2019
Academic Challenge (additional items, continued)															
Assigned Writing	Mean	31.8		31.7	49.0				49.2		47.5	63.1			
Estimated number of pages calculated from three survey questions.	n	160		269	180				134		228	155			
	SD	69.4		54.3	87.8				52.9		61.4	82.8			
	SE	5.49		3.31	6.53				4.58		4.07	6.64			
	CI upper bound	42.6		38.2	61.8				58.1		55.5	76.1			
	CI lower bound	21.0		25.3	36.2				40.2		39.6	50.1			
Course Challenge	Mean	5.6		5.6	5.6				5.8		5.8	5.5			
Extent to which courses challenged students to do their best work (1 = "Not at all" to 7 = "Very much").	n	172		286	181				151		251	163			
	SD	1.1		1.1	1.2				1.0		1.0	1.3			
	SE	.09		.07	.09				.08		.07	.10			
	CI upper bound	5.8		5.7	5.7				5.9		6.0	5.7			
	CI lower bound	5.4		5.5	5.4				5.6		5.7	5.3			
Academic Emphasis	Mean	3.2		3.2	3.1				3.2		3.2	3.2			
Perceived institutional emphasis on spending significant time studying and on academic work (1 = "Very little," 2 = "Some," 3 = "Quite a bit," and 4 = "Very much").	n	156		248	169				136		232	144			
	SD	0.8		0.7	0.8				0.7		0.8	0.7			
	SE	.07		.05	.06				.06		.05	.06			
	CI upper bound	3.3		3.3	3.2				3.3		3.3	3.3			
	CI lower bound	3.1		3.1	3.0				3.0		3.1	3.0			
Learning with Peers															
Collaborative Learning	Mean	31.3		33.4	31.9				32.6		33.2	34.2			
	n	213		333	217				167		272	190			
	SD	13.4		14.2	14.0				15.5		15.0	14.3			
	SE	.92		.78	.95				1.20		.91	1.04			
	CI upper bound	33.1		34.9	33.8				34.9		35.0	36.2			
	CI lower bound	29.5		31.8	30.1				30.2		31.5	32.1			
Discussions with Diverse Others	Mean	41.3		41.7	38.9				44.0		41.9	43.2			
	n	174		280	182				147		251	161			
	SD	16.9		16.3	16.7				15.8		17.2	16.1			
	SE	1.28		.97	1.24				1.30		1.09	1.27			
	CI upper bound	43.8		43.7	41.3				46.6		44.0	45.7			
	CI lower bound	38.8		39.8	36.4				41.5		39.8	40.7			

Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).

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Detailed Statistics: Engagement Indicators and Additional Items

Angelo State University

	First-year students							Seniors							
	2013	2014	2015	2016	2017	2018	2019	2020	2013	2014	2015	2016	2017	2018	2019
<i>Experiences with Faculty</i>															
Student-Faculty Interaction	Mean	22.1		24.4		22.7			25.1		27.3		28.1		
	n	200		312		206			164		264		182		
	SD	14.5		15.5		13.8			17.1		16.9		16.7		
	SE	1.03		.88		.96			1.34		1.04		1.23		
	CI upper bound	24.1		26.1		24.6			27.7		29.3		30.5		
	CI lower bound	20.1		22.7		20.8			22.5		25.2		25.7		
Effective Teaching Practices	Mean	40.4		41.2		36.9			42.5		42.1		41.2		
	n	202		312		204			166		268		181		
	SD	14.3		13.3		14.2			14.2		14.0		12.7		
	SE	1.01		.75		.99			1.10		.85		.94		
	CI upper bound	42.4		42.6		38.8			44.7		43.8		43.1		
	CI lower bound	38.4		39.7		34.9			40.4		40.4		39.4		
<i>Campus Environment</i>															
Quality of Interactions	Mean	41.4		41.7		43.3			42.7		45.1		45.3		
	n	169		274		172			144		247		154		
	SD	11.8		13.6		12.7			11.4		10.8		12.0		
	SE	.91		.82		.97			.95		.69		.96		
	CI upper bound	43.2		43.3		45.2			44.5		46.5		47.2		
	CI lower bound	39.6		40.1		41.4			40.8		43.8		43.5		
Supportive Environment	Mean	37.0		37.7		38.7			35.5		37.2		37.2		
	n	154		246		167			134		229		142		
	SD	14.5		14.2		13.0			12.0		13.5		13.2		
	SE	1.17		.90		1.00			1.04		.89		1.11		
	CI upper bound	39.3		39.5		40.6			37.5		38.9		39.4		
	CI lower bound	34.7		36.0		36.7			33.5		35.4		35.0		

Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).

NSSE 2016 Multi-Year Report

Detailed Statistics: High-Impact Practices

Angelo State University

	First-year students							Seniors								
	2013	2014	2015	2016	2017	2018	2019	2020	2013	2014	2015	2016	2017	2018	2019	2020
Learning Community^a	%	7		8	9				19		26	27				
	n	168		284	180				148		252	160				
	SE	1.9		1.6	2.2				3.2		2.8	3.5				
	CI upper bound (%)	11		11	14				25		31	34				
	CI lower bound (%)	3		4	5				13		20	20				
Service-Learning^a	%	46		56	61				66		67	66				
	n	172		266	177				150		244	159				
	SE	3.8		3.0	3.7				3.9		3.0	3.8				
	CI upper bound (%)	53		62	68				74		73	73				
	CI lower bound (%)	38		50	54				59		61	58				
Research with Faculty^a	%	4		7	5				16		22	19				
	n	168		285	180				150		251	160				
	SE	1.5		1.5	1.6				3.0		2.6	3.1				
	CI upper bound (%)	7		10	8				22		27	26				
	CI lower bound (%)	1		4	2				10		17	13				
Internship or Field Experience^b	%	71		68	67				38		41	40				
	n	170		285	180				150		252	159				
	SE	3.5		2.8	3.5				4.0		3.1	3.9				
	CI upper bound (%)	78		74	74				46		47	48				
	CI lower bound (%)	64		63	60				30		35	32				
Study Abroad^b	%	37		37	42				11		15	12				
	n	163		281	178				150		251	160				
	SE	3.8		2.9	3.7				2.6		2.3	2.6				
	CI upper bound (%)	45		43	49				16		20	17				
	CI lower bound (%)	30		31	35				6		11	7				
Culminating Senior Experience^b	%	41		44	49				26		39	35				
	n	167		281	173				150		253	160				
	SE	3.8		3.0	3.8				3.6		3.1	3.8				
	CI upper bound (%)	49		49	56				33		45	43				
	CI lower bound (%)	34		38	41				19		33	28				
Overall HIP Participation^c																
Participated in one HIP	%	45		48	54				33		26	27				
	n	173		285	180				151		253	161				
	SE	3.8		3.0	3.7				3.8		2.8	3.5				
	CI upper bound (%)	53		54	61				41		32	34				
	CI lower bound (%)	38		42	47				26		21	20				
Participated in two or more HIPs	%	4		9	10				49		60	58				
	n	173		285	180				151		253	161				
	SE	1.6		1.7	2.2				4.1		3.1	3.9				
	CI upper bound (%)	8		12	14				57		66	66				
	CI lower bound (%)	1		6	5				41		54	51				

Notes: n = Number of respondents; SE = Standard error of the proportion ($\sqrt{p * (1 - p) / (n - 1)}$) where p is the proportion; upper and lower bounds represent the 95% confidence interval ($p \pm 1.96 * SE$).

a. Results are the percentage who had done the activity.

b. First-year results are the percentage who planned to do the activity, and senior results are the percentage who had done the activity.

c. First-year results are limited to participation in a Learning Community, Service-Learning, and Research with Faculty; senior results include all six HIPs.