
Angelo State University
NSSE 2017 Major Field Report, Part II
Comparisons to Other Institutions
Engin, Sci, Math, CS

*Comparing your students majoring in the fields shown below to those
in the same fields at your comparison group institutions*

The Major Field Report group 'Engin, Sci, Math, CS' includes the following majors: Astronomy; Atmospheric science (including meteorology); Chemistry; Civil engineering; Computer science; Earth science (including geology); Mathematics; Mechanical engineering; Other engineering; Other physical sciences; Physical sciences (general); Physics; Statistics.

Note:

The Major Field Report was formatted for printing. When viewing on screen in Excel, some content may appear truncated or oddly formatted. This is normal. Increasing the zoom level

About Your Major Field Report, Part II

NSSE data serve to identify institutional strengths and weaknesses in reference to selected comparison institutions, yet institution-level comparisons may not capture important variation in student engagement that can be found within key subpopulations such as major. This report displays selected results for students at your institution and at your selected comparison institutions in the major category: Engin, Sci, Math, CS.

NSSE results included in MFR, Part II

- Engagement Indicators
- High-Impact Practices
- Frequencies and Statistical Comparisons
- Respondent Profile

Related-Major Groups

Self-reported first and second (if applicable) majors were identified from the survey. Your institution had the option to customize how these majors were grouped, using up to ten related-major groups. Institutions choosing not to customize their major categories receive NSSE's ten default groups. The majors used in this report are listed on the cover page of this report.

Sample

This report is based on information from all randomly selected or census-administered students in the indicated group of majors for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not included. Report Sample (if applicable) respondents are also excluded.

Class

Results are presented separately by institution-reported class level. Keep in mind that majors are student-reported. First-year students may report *intended* majors that have not yet been *declared*. Also, much of the first-year experience may take place outside of the major field. For these reasons, first-year results should be interpreted with caution.

Technical Requirements

Related-major groups with fewer than 5 respondents in a given class are not reported (columns are blank). Groups containing at least 5 respondents, but fewer than 20, are reported in frequency distributions only. Comparison groups must contain at least 20 respondents in the major category, or they remain blank. Although 20 is a minimum requirement for all other statistics (Engagement Indicators, means, etc.), keep in mind that any statistical result requires a sufficient number of respondents per group to produce a reliable estimate. Due to the disaggregation of results by student-reported major, *Major Field Report* results are unweighted.





Report Sections (Those marked with an asterisk are included if at least one related-major group includes 20 or more respondents.)








Engagement Indicators*	Results on NSSE's ten Engagement Indicators (EIs) organized into four themes. See your <i>Engagement Indicators</i> report for more details.
High-Impact Practices*	Results on student participation in six High-Impact Practices (HIPs). See your <i>High-Impact Practices</i> report for more details.
Frequencies and Statistical Comparisons*	Response frequencies and statistical comparisons (including tests of significance and effect sizes) for all survey items except the demographics for your institution and your three core comparison groups.
Respondent Profile	Response frequencies for all demographic questions for your institution and your three core comparison groups.

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 themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores^a for your students in this related-major category with students in your comparison groups within the same category.

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.

Theme	Engagement Indicator	First-Year Students in Engin, Sci, Math, CS			Seniors in Engin, Sci, Math, CS		
		Your first-year students compared with Southwest Public	Your first-year students compared with Carnegie Class	Your first-year students compared with NSSE 2016 & 2017	Your seniors compared with Southwest Public	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2016 & 2017
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	Quality of Interactions	--	--	--			

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NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Engin, Sci, Math, CS

Angelo State University

First-year students^a in Engin, Sci, Math, CS

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
ASU (N = 35)	40.4	10.3	1.74	25	35	40	50	60				
Southwest Public	38.5	12.9	.33	20	30	40	50	60	1,547	1.9		.147
Carnegie Class	38.3	12.9	.19	20	30	40	45	60	4,599	2.1		.164
NSSE 2016 & 2017	38.5	12.7	.09	20	30	40	45	60	21,527	1.9		.154
Reflective & Integrative Learning												
ASU (N = 35)	32.3	10.0	1.70	20	26	31	37	51				
Southwest Public	34.1	11.8	.30	17	26	34	43	54	1,561	-1.8		-.152
Carnegie Class	33.9	11.7	.17	14	26	34	40	54	4,646	-1.5		-.132
NSSE 2016 & 2017	33.7	11.5	.08	14	26	34	40	54	21,760	-1.3		-.117
Learning Strategies												
ASU (N = 35)	36.2	15.8	2.67	13	27	33	53	60				
Southwest Public	37.1	14.1	.36	13	27	40	47	60	1,551	-.9		-.065
Carnegie Class	37.0	13.4	.20	13	27	40	47	60	4,616	-.8		-.061
NSSE 2016 & 2017	37.0	13.5	.09	13	27	40	47	60	21,612	-.8		-.057
Quantitative Reasoning												
ASU (N = 35)	31.0	14.1	2.38	7	20	33	40	60				
Southwest Public	30.4	15.3	.39	7	20	27	40	60	1,542	.6		.042
Carnegie Class	30.1	15.0	.22	7	20	27	40	60	4,602	.9		.063
NSSE 2016 & 2017	30.5	14.8	.10	7	20	27	40	60	21,528	.5		.035
Learning with Peers												
Collaborative Learning												
ASU (N = 34)	32.2	14.3	2.45	5	20	35	40	60				
Southwest Public	34.1	14.0	.36	10	25	35	45	60	1,551	-1.9		-.135
Carnegie Class	33.3	14.0	.21	10	25	35	40	60	4,611	-1.1		-.078
NSSE 2016 & 2017	35.0	13.9	.09	15	25	35	45	60	21,626	-2.8		-.199
Discussions with Diverse Others												
ASU (N = 35)	38.4	16.2	2.73	15	20	40	55	60				
Southwest Public	41.2	16.0	.41	15	30	40	60	60	1,544	-2.8		-.174
Carnegie Class	39.3	15.3	.23	15	30	40	50	60	4,621	-.9		-.058

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Engin, Sci, Math, CS

Angelo State University

First-year students^a in Engin, Sci, Math, CS

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
NSSE 2016 & 2017	40.0	15.1	.10	15	30	40	55	60	21,628	-1.6		-.105
Experiences with Faculty												
Student-Faculty Interaction												
ASU (N = 34)	21.0	13.4	2.30	5	10	15	30	40				
Southwest Public	19.6	14.8	.38	0	10	15	25	50	1,541	1.4		.096
Carnegie Class	20.0	14.2	.21	0	10	20	30	45	4,588	1.0		.073
NSSE 2016 & 2017	20.0	14.0	.10	0	10	20	30	45	21,521	1.0		.074
Effective Teaching Practices												
ASU (N = 35)	38.2	11.0	1.85	20	28	40	45	56				
Southwest Public	38.4	13.1	.34	16	28	40	48	60	1,562	-.2		-.016
Carnegie Class	39.2	12.7	.19	20	32	40	48	60	4,646	-1.0		-.080
NSSE 2016 & 2017	38.8	12.5	.08	20	32	40	48	60	21,767	-.6		-.047
Campus Environment												
Quality of Interactions												
ASU (N = 33)	39.9	10.5	1.83	22	33	40	48	56				
Southwest Public	41.8	12.3	.32	20	34	42	50	60	1,491	-1.9		-.155
Carnegie Class	42.0	12.0	.18	20	34	44	50	60	4,433	-2.1		-.178
NSSE 2016 & 2017	42.4	11.6	.08	20	36	44	50	60	20,780	-2.5		-.212
Supportive Environment												
ASU (N = 35)	32.1	13.4	2.26	8	23	35	40	55				
Southwest Public	36.4	13.5	.35	15	28	38	45	60	1,558	-4.3		-.316
Carnegie Class	35.9	13.3	.20	15	28	35	45	60	4,629	-3.7		-.279
NSSE 2016 & 2017	36.7	13.0	.09	15	28	38	45	60	21,714	-4.5	*	-.349

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Engagement Indicators: Engin, Sci, Math, CS

Angelo State University

First-year students^a in Engin, Sci, Math, CS

Mean statistics			Percentile ^d scores					Comparison results			
<i>Mean</i>	<i>SD^b</i>	<i>SEM^c</i>	<i>5th</i>	<i>25th</i>	<i>50th</i>	<i>75th</i>	<i>95th</i>	<i>Deg. of freedom^e</i>	<i>Mean diff.</i>	<i>Sig.^f</i>	<i>Effect size^g</i>

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
ASU (N = 27)	39.1	10.7	2.07	20	30	40	45	60				
Southwest Public	38.8	13.9	.30	15	30	40	50	60	27	.3		.023
Carnegie Class	39.0	13.5	.18	15	30	40	50	60	5,816	.1		.008
NSSE 2016 & 2017	38.4	13.3	.08	15	30	40	50	60	24,903	.6		.048
Reflective & Integrative Learning												
ASU (N = 27)	33.4	9.6	1.84	23	29	31	37	54				
Southwest Public	33.1	12.2	.26	14	26	31	40	54	2,165	.3		.025
Carnegie Class	33.8	12.0	.16	14	26	34	40	54	5,847	-.3		-.028
NSSE 2016 & 2017	33.5	11.9	.08	14	26	34	40	54	25,115	.0		-.003
Learning Strategies												
ASU (N = 27)	39.5	16.6	3.20	13	27	40	53	60				
Southwest Public	36.2	14.6	.32	13	27	33	47	60	2,148	3.3		.225
Carnegie Class	36.2	14.6	.19	13	27	33	47	60	5,802	3.3		.227
NSSE 2016 & 2017	35.4	14.5	.09	13	27	33	47	60	24,923	4.1		.282
Quantitative Reasoning												
ASU (N = 26)	36.7	13.1	2.57	20	27	33	47	60				
Southwest Public	34.2	16.3	.35	7	20	33	47	60	2,135	2.4		.149
Carnegie Class	34.8	16.0	.21	7	20	33	47	60	5,803	1.9		.116
NSSE 2016 & 2017	35.0	15.7	.10	7	20	33	47	60	24,879	1.6		.104
Learning with Peers												
Collaborative Learning												
ASU (N = 27)	42.0	13.0	2.51	15	30	40	55	60				
Southwest Public	36.9	14.6	.32	15	25	35	50	60	2,151	5.1		.352
Carnegie Class	36.3	14.5	.19	10	25	35	45	60	5,821	5.8	*	.396
NSSE 2016 & 2017	37.3	14.2	.09	15	25	40	50	60	24,967	4.7		.331
Discussions with Diverse Others												
ASU (N = 27)	40.6	12.5	2.41	20	30	40	50	60				
Southwest Public	41.1	17.0	.37	5	30	40	60	60	27	-.6		-.033
Carnegie Class	39.2	16.4	.22	10	30	40	55	60	5,816	1.4		.085

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

	Mean statistics			Percentile ^d scores					Comparison results			Effect size ^g
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	
NSSE 2016 & 2017	39.8	15.8	.10	15	30	40	55	60	24,943	.8		.049
Experiences with Faculty												
Student-Faculty Interaction												
ASU (N = 27)	33.3	12.6	2.43	20	25	30	40	60				
Southwest Public	22.7	15.9	.34	0	10	20	35	55	2,155	10.7	***	.671
Carnegie Class	25.2	16.3	.21	0	15	25	35	60	5,797	8.2	**	.503
NSSE 2016 & 2017	24.4	15.8	.10	0	15	20	35	55	24,912	8.9	**	.566
Effective Teaching Practices												
ASU (N = 27)	41.5	13.9	2.68	20	28	40	52	60				
Southwest Public	37.2	13.9	.30	12	28	36	48	60	2,167	4.3		.309
Carnegie Class	39.0	13.4	.17	16	32	40	48	60	5,859	2.5		.188
NSSE 2016 & 2017	38.2	13.1	.08	16	28	40	48	60	25,144	3.3		.251
Campus Environment												
Quality of Interactions												
ASU (N = 27)	46.6	10.4	2.00	24	40	48	55	60				
Southwest Public	39.7	12.7	.28	16	32	40	50	60	2,058	6.9	**	.549
Carnegie Class	42.1	11.7	.16	20	36	44	50	60	5,540	4.5	*	.385
NSSE 2016 & 2017	41.3	11.6	.07	20	34	42	50	60	24,046	5.4	*	.463
Supportive Environment												
ASU (N = 27)	33.6	14.0	2.69	10	25	35	43	60				
Southwest Public	30.7	14.4	.31	8	20	30	40	60	2,154	2.9		.202
Carnegie Class	31.2	13.9	.18	8	20	30	40	58	5,837	2.3		.168
NSSE 2016 & 2017	31.6	13.7	.09	10	23	33	40	58	25,042	2.0		.146

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

Mean statistics			Percentile ^d scores					Comparison results			
<i>Mean</i>	<i>SD^b</i>	<i>SEM^c</i>	<i>5th</i>	<i>25th</i>	<i>50th</i>	<i>75th</i>	<i>95th</i>	<i>Deg. of freedom^e</i>	<i>Mean diff.</i>	<i>Sig.^f</i>	<i>Effect size^g</i>

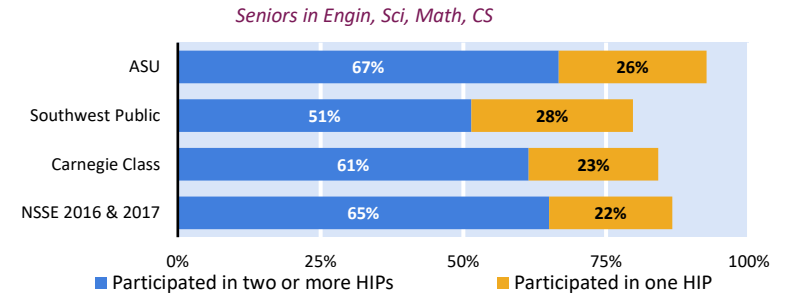
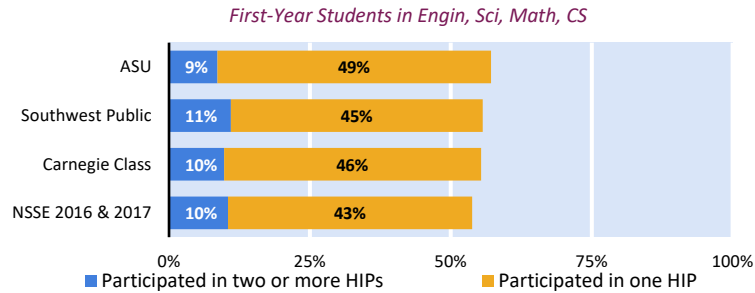
NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

High-Impact Practices: Engin, Sci, Math, CS

Angelo State University

Overall HIP Participation^{a,h}

The figures below display the percentage of students who participated in High-Impact Practices. Both figures include participation in service-learning, a learning community, and research with faculty. The senior figure also includes participation in an internship or field experience, study abroad, and culminating senior experience. The first segment in each bar shows the percentage who participated in at least two HIPs, and the full bar (both colors) represents the percentage who participated in at least one.

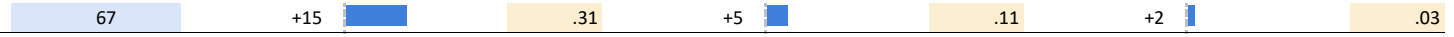


Statistical Comparisons

The table below displays the percentage of your students who participated in a given High-Impact Practice, including the percentage who participated overall (at least one, two or more). It also graphs the difference, in percentage points, between your students and those of your comparison groups. Blue bars indicate how much higher your institution's percentage is compared to the comparison group. Dark red bars indicate how much lower your institution's percentage is compared to the comparison group.

	<i>Your students' participation compared with:</i>							
	ASU	Southwest Public		Carnegie Class		NSSE 2016 & 2017		
	%	Difference ⁱ	ES ^j	Difference ⁱ	ES ^j	Difference ⁱ	ES ^j	
<i>First-Year Students in Engin, Sci, Math, CS</i>								
12. Service-Learning	54	+5	.10	+5	.09	+8	.17	
11c. Learning Community	9	-6	-.18	-3	-.11	-6	-.18	
11e. Research with Faculty	6	+1	.04	+1	.03	-0	.00	
Participated in at least one	57	+1	.03	+2	.04	+3	.07	
Participated in two or more	9	-2	-.08	-1	-.04	-2	-.06	
<i>Seniors in Engin, Sci, Math, CS</i>								
12. Service-Learning	70	+29	** .60	+21	* .43	+24	* .50	
11c. Learning Community	26	+4	.09	+3	.08	+3	.07	
11e. Research with Faculty	41	+12	.25	+6	.13	+4	.09	
11a. Internship or Field Exp.	26	-14	-.29	-21	* -.45	-28	** -.59	
11d. Study Abroad	7	-2	-.06	-3	-.10	-6	-.19	
11f. Culminating Senior Exp.	33	-9	-.20	-15	-.31	-18	-.36	
Participated in at least one	93	+13	.38	+8	.27	+6	.20	

Participated in two or more



NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your first-year students compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
1. During the current school year, about how often have you done the following?																			
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	1	3	75	5	140	3	781	4	2.6	2.7	-.15	2.8	-.29	2.8	-.26	
		2	Sometimes	17	49	608	40	1,700	37	8,057	37								
		3	Often	13	37	559	37	1,665	36	7,816	36								
		4	Very often	4	11	288	19	1,116	24	5,099	23								
		Total		35	100	1,530	100	4,621	100	21,753	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	6	17	312	20	828	18	4,205	19	2.4	2.4	.08	2.4	.00	2.4	.04	
		2	Sometimes	12	34	581	38	1,712	37	8,138	38								
		3	Often	13	37	414	27	1,326	29	6,024	28								
		4	Very often	4	11	221	14	738	16	3,324	15								
		Total		35	100	1,528	100	4,604	100	21,691	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	0	0	86	6	190	4	951	4	3.1	3.0	.20	3.1	.09	3.0	.14	
		2	Often	2	6	232	15	519	11	2,673	12								
		3	Sometimes	25	74	826	54	2,635	57	12,546	58								
		4	Never	7	21	387	25	1,271	28	5,560	26								
		Total		34	100	1,531	100	4,615	100	21,730	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	16	46	627	41	1,843	40	8,502	39	1.8	1.9	-.11	1.9	-.10	1.9	-.12	
		2	Sometimes	13	37	575	38	1,863	40	8,663	40								
		3	Often	4	11	228	15	649	14	3,264	15								
		4	Very often	2	6	97	6	260	6	1,305	6								
		Total		35	100	1,527	100	4,615	100	21,734	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	5	15	129	8	364	8	1,515	7	2.6	2.6	.00	2.6	.01	2.7	-.08	
		2	Sometimes	7	21	569	37	1,789	39	7,635	35								
		3	Often	17	50	544	36	1,620	35	7,986	37								
		4	Very often	5	15	289	19	840	18	4,606	21								
		Total		34	100	1,531	100	4,613	100	21,742	100								
f. Explained course material to one or more students	CLexplain	1	Never	1	3	62	4	186	4	624	3	2.8	2.8	-.06	2.8	-.01	2.9	-.11	
		2	Sometimes	10	29	482	32	1,521	33	6,583	30								
		3	Often	19	54	613	40	1,880	41	9,209	42								
		4	Very often	5	14	371	24	1,027	22	5,334	25								
		Total		35	100	1,528	100	4,614	100	21,750	100								

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Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your first-year students compared with					
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	8	23	228	15	698	15	2,671	12	2.4	2.6	-.18	2.5	-.11	2.6	-.23	
		2	Sometimes	9	26	484	32	1,642	36	7,155	33								
		3	Often	13	37	481	31	1,385	30	7,082	33								
		4	Very often	5	14	337	22	894	19	4,844	22								
		Total		35	100	1,530	100	4,619	100	21,752	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	3	9	90	6	279	6	1,196	6	2.6	2.7	-.18	2.7	-.13	2.7	-.20	
		2	Sometimes	14	40	549	36	1,785	39	7,748	36								
		3	Often	13	37	577	38	1,689	37	8,214	38								
		4	Very often	5	14	308	20	863	19	4,576	21								
		Total		35	100	1,524	100	4,616	100	21,734	100								
i. Given a course presentation	present	1	Never	8	23	392	26	943	20	4,715	22	2.1	2.1	-.06	2.2	-.19	2.2	-.11	
		2	Sometimes	17	49	700	46	2,126	46	10,625	49								
		3	Often	10	29	321	21	1,137	25	4,751	22								
		4	Very often	0	0	116	8	408	9	1,651	8								
		Total		35	100	1,529	100	4,614	100	21,742	100								
2. During the current school year, about how often have you done the following?																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	3	9	135	9	394	9	1,670	8	2.4	2.6	-.23	2.6	-.20	2.6	-.19	
		2	Sometimes	17	49	586	38	1,868	40	9,150	42								
		3	Often	13	37	571	37	1,721	37	8,018	37								
		4	Very often	2	6	237	16	635	14	2,886	13								
		Total		35	100	1,529	100	4,618	100	21,724	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	2	6	217	14	591	13	2,742	13	2.4	2.4	-.01	2.4	-.05	2.4	-.02	
		2	Sometimes	20	57	649	43	1,966	43	9,623	44								
		3	Often	10	29	469	31	1,492	32	6,911	32								
		4	Very often	3	9	188	12	562	12	2,432	11								
		Total		35	100	1,523	100	4,611	100	21,708	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	7	20	238	16	662	14	3,182	15	2.3	2.4	-.08	2.4	-.09	2.4	-.06	
		2	Sometimes	12	34	618	41	1,917	42	9,308	43								
		3	Often	13	37	465	31	1,461	32	6,638	31								
		4	Very often	3	9	203	13	576	12	2,595	12								
		Total		35	100	1,524	100	4,616	100	21,723	100								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k						
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your first-year students compared with				
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	3	9	78	5	271	6	1,263	6	2.5	2.8	-.28	2.7	-.23	2.7	-.22
		2	Sometimes	15	43	482	32	1,504	33	7,191	33							
		3	Often	12	34	682	45	2,037	44	9,633	44							
		4	Very often	5	14	286	19	799	17	3,628	17							
		Total		35	100	1,528	100	4,611	100	21,715	100							
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	Rlperspect	1	Never	0	0	52	3	174	4	820	4	2.7	2.9	-.24	2.9	-.20	2.9	-.17
		2	Sometimes	14	40	406	27	1,273	28	6,270	29							
		3	Often	17	49	700	46	2,148	47	9,908	46							
		4	Very often	4	11	366	24	1,019	22	4,709	22							
		Total		35	100	1,524	100	4,614	100	21,707	100							
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	0	0	55	4	167	4	724	3	2.9	2.8	.11	2.8	.14	2.8	.14
		2	Sometimes	11	32	494	32	1,480	32	6,992	32							
		3	Often	15	44	647	42	2,053	45	9,747	45							
		4	Very often	8	24	332	22	910	20	4,232	20							
		Total		34	100	1,528	100	4,610	100	21,695	100							
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	0	0	29	2	59	1	287	1	3.0	3.0	-.03	3.0	-.03	3.0	-.04
		2	Sometimes	8	23	319	21	986	21	4,618	21							
		3	Often	19	54	771	51	2,343	51	10,938	50							
		4	Very often	8	23	406	27	1,217	26	5,842	27							
		Total		35	100	1,525	100	4,605	100	21,685	100							
3. During the current school year, about how often have you done the following?																		
a. Talked about career plans with a faculty member	SFcareer	1	Never	7	20	372	24	1,115	24	5,145	24	2.2	2.2	.00	2.2	.01	2.2	.01
		2	Sometimes	17	49	674	44	2,079	45	10,029	46							
		3	Often	9	26	332	22	952	21	4,470	21							
		4	Very often	2	6	148	10	462	10	2,063	10							
		Total		35	100	1,526	100	4,608	100	21,707	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	17	49	746	49	2,297	50	10,552	49	1.8	1.8	.04	1.7	.09	1.8	.08
		2	Sometimes	9	26	459	30	1,437	31	7,071	33							
		3	Often	7	20	212	14	606	13	2,819	13							
		4	Very often	2	6	109	7	263	6	1,252	6							
		Total		35	100	1,526	100	4,603	100	21,694	100							

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
<i>Your first-year students compared with</i>																			
c. Discussed course topics, ideas, or concepts with a faculty member outside of class				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
	SFdiscuss	1	Never	6	18	513	34	1,385	30	6,389	29	2.2	2.0	.26	2.0	.21	2.0	.20	
		2	Sometimes	16	47	648	43	2,045	45	9,745	45								
		3	Often	11	32	244	16	832	18	3,992	18								
		4	Very often	1	3	115	8	331	7	1,532	7								
			Total	34	100	1,520	100	4,593	100	21,658	100								
d. Discussed your academic performance with a faculty member				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
	SFperform	1	Never	8	23	474	31	1,191	26	5,715	26	2.0	2.0	-.04	2.1	-.12	2.1	-.10	
		2	Sometimes	21	60	664	44	2,208	48	10,399	48								
		3	Often	5	14	278	18	860	19	4,083	19								
		4	Very often	1	3	106	7	336	7	1,461	7								
			Total	35	100	1,522	100	4,595	100	21,658	100								
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
	memorize	1	Very little	0	0	60	4	163	4	853	4	3.0	2.9	.18	2.9	.22	2.8 *	.26	
		2	Some	4	11	409	27	1,297	28	6,465	30								
		3	Quite a bit	26	74	699	46	2,179	47	10,038	46								
		4	Very much	5	14	358	23	972	21	4,366	20								
			Total	35	100	1,526	100	4,611	100	21,722	100								
b. Applying facts, theories, or methods to practical problems or new situations				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
	HOapply	1	Very little	0	0	44	3	144	3	493	2	3.1	3.1	.11	3.0	.15	3.1	.05	
		2	Some	4	11	305	20	936	20	3,879	18								
		3	Quite a bit	22	63	697	46	2,173	47	10,284	47								
		4	Very much	9	26	478	31	1,356	29	7,060	33								
			Total	35	100	1,524	100	4,609	100	21,716	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
	HOanalyze	1	Very little	0	0	47	3	156	3	703	3	3.0	3.0	.00	3.0	.02	3.0	-.01	
		2	Some	9	26	391	26	1,154	25	5,116	24								
		3	Quite a bit	18	51	642	42	2,035	44	9,755	45								
		4	Very much	8	23	441	29	1,259	27	6,091	28								
			Total	35	100	1,521	100	4,604	100	21,665	100								
d. Evaluating a point of view, decision, or information source				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
	HOevaluate	1	Very little	0	0	95	6	242	5	1,313	6	3.0	2.8	.23	2.8	.22	2.8	.27	
		2	Some	8	23	448	29	1,362	30	6,711	31								
		3	Quite a bit	19	54	638	42	1,991	43	9,211	42								
		4	Very much	8	23	344	23	1,011	22	4,445	21								
			Total	35	100	1,525	100	4,606	100	21,680	100								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k										
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your first-year students compared with								
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ				
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	0	0	70	5	212	5	1,038	5	3.0	2.9	.11	2.9	.14	2.8	.16				
		2	Some	7	20	404	27	1,262	27	6,105	28											
		3	Quite a bit	22	63	691	45	2,104	46	9,838	45											
		4	Very much	6	17	359	24	1,026	22	4,699	22											
		Total		35	100	1,524	100	4,604	100	21,680	100											
5. During the current school year, to what extent have your instructors done the following?																						
a. Clearly explained course goals and requirements	ETgoals	1	Very little	0	0	29	2	91	2	429	2	3.0	3.1	-.07	3.1	-.07	3.1	-.06				
		2	Some	9	26	302	20	899	19	4,164	19											
		3	Quite a bit	16	46	718	47	2,178	47	10,518	48											
		4	Very much	10	29	480	31	1,445	31	6,628	30											
		Total		35	100	1,529	100	4,613	100	21,739	100											
b. Taught course sessions in an organized way	ETorganize	1	Very little	1	3	58	4	120	3	560	3	3.1	3.1	.00	3.1	.00	3.1	-.01				
		2	Some	8	23	277	18	908	20	4,122	19											
		3	Quite a bit	14	40	707	46	2,175	47	10,433	48											
		4	Very much	12	34	485	32	1,405	30	6,591	30											
		Total		35	100	1,527	100	4,608	100	21,706	100											
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	1	3	43	3	132	3	555	3	3.1	3.1	.00	3.1	-.02	3.1	-.03				
		2	Some	6	17	332	22	946	21	4,272	20											
		3	Quite a bit	18	51	652	43	1,971	43	9,692	45											
		4	Very much	10	29	500	33	1,559	34	7,181	33											
		Total		35	100	1,527	100	4,608	100	21,700	100											
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	3	9	162	11	334	7	1,932	9	2.7	2.7	-.06	2.8	-.17	2.7	-.09				
		2	Some	11	31	479	31	1,403	30	6,764	31											
		3	Quite a bit	16	46	519	34	1,687	37	8,018	37											
		4	Very much	5	14	363	24	1,178	26	4,985	23											
		Total		35	100	1,523	100	4,602	100	21,699	100											
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	4	12	155	10	305	7	1,686	8	2.7	2.7	.04	2.8	-.06	2.7	.00				
		2	Some	6	18	481	32	1,413	31	6,804	31											
		3	Quite a bit	19	56	560	37	1,832	40	8,673	40											
		4	Very much	5	15	328	22	1,044	23	4,501	21											
		Total		34	100	1,524	100	4,594	100	21,664	100											



NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k						
				ASU				NSSE 2016 & 2017				Your first-year students compared with						
Item wording or description	Variable name ^j	Values ^m	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU	Southwest Public	Carnegie Class	NSSE 2016 & 2017			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
6. During the current school year, about how often have you done the following?																		
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	2	6	108	7	324	7	1,278	6	2.9	2.8	.11	2.8	.12	2.8	.08
		2	Sometimes	9	26	453	30	1,350	29	6,268	29							
		3	Often	15	43	605	40	1,928	42	9,204	42							
		4	Very often	9	26	352	23	1,000	22	4,913	23							
		Total		35	100	1,518	100	4,602	100	21,663	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	8	23	315	21	904	20	4,277	20	2.2	2.4	-.13	2.3	-.12	2.3	-.12
		2	Sometimes	14	40	565	37	1,809	39	8,505	39							
		3	Often	10	29	425	28	1,291	28	6,124	28							
		4	Very often	3	9	217	14	597	13	2,758	13							
		Total		35	100	1,522	100	4,601	100	21,664	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	4	11	225	15	705	15	3,054	14	2.5	2.4	.14	2.4	.17	2.4	.14
		2	Sometimes	10	29	635	42	1,934	42	9,046	42							
		3	Often	19	54	475	31	1,426	31	7,032	32							
		4	Very often	2	6	193	13	536	12	2,555	12							
		Total		35	100	1,528	100	4,601	100	21,687	100							
7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)																		
a. Up to 5 pages	wrshortnum (Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	2	6	137	9	271	6	1,372	6	5.3	5.4	-.01	6.4	-.18	6.3	-.17
		1.5	1-2	9	26	363	24	988	22	4,576	21							
		4	3-5	14	41	527	35	1,461	32	7,079	33							
		8	6-10	3	9	304	20	1,054	23	4,922	23							
		13	11-15	5	15	95	6	439	10	1,942	9							
		18	16-20	0	0	28	2	177	4	796	4							
		23	More than 20	1	3	58	4	200	4	950	4							
		Total		34	100	1,512	100	4,590	100	21,637	100							
b. Between 6 and 10 pages	wrmednum (Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	24	71	702	47	1,726	38	7,976	37	.9	1.8	-.30	2.0 *	-.36	2.0 *	-.37
		1.5	1-2	7	21	490	33	1,826	40	8,619	40							
		4	3-5	1	3	201	13	657	14	3,304	15							
		8	6-10	2	6	82	5	253	6	1,102	5							
		13	11-15	0	0	19	1	63	1	271	1							
		18	16-20	0	0	2	0	16	0	82	0							

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

		Frequency Distributions								Statistical Comparisons ^k									
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
		23	More than 20	0	0	8	1	19	0	98	0								
			Total	34	100	1,504	100	4,560	100	21,452	100								
c. 11 pages or more	wrlongnum	0	None	32	91	1,194	80	3,608	80	16,513	77	.9	.7	.11	.7	.07	.8	.07	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	1	3	207	14	634	14	3,489	16								
		4	3-5	0	0	42	3	128	3	618	3								
		8	6-10	1	3	32	2	79	2	364	2								
		13	11-15	0	0	10	1	51	1	191	1								
		18	16-20	0	0	2	0	12	0	52	0								
		23	More than 20	1	3	5	0	17	0	86	0								
			Total	35	100	1,492	100	4,529	100	21,313	100								
Estimated number of assigned pages of student writing.	wrpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									27.4	40.0	-.21	45.3	-.29	45.3	-.30	
8. During the current school year, about how often have you had discussions with people from the following groups?																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	2	6	86	6	242	5	982	5	2.8	3.1	-.29	3.0	-.18	3.0	-.23	
		2	Sometimes	11	31	315	21	1,213	26	5,452	25								
		3	Often	13	37	487	32	1,505	33	7,019	32								
		4	Very often	9	26	633	42	1,653	36	8,286	38								
			Total	35	100	1,521	100	4,613	100	21,739	100								
b. People from an economic background other than your own	DDeconomic	1	Never	2	6	87	6	241	5	956	4	2.9	3.1	-.19	3.0	-.09	3.0	-.15	
		2	Sometimes	10	29	320	21	1,169	25	5,178	24								
		3	Often	13	37	536	35	1,700	37	8,042	37								
		4	Very often	10	29	582	38	1,497	32	7,526	35								
			Total	35	100	1,525	100	4,607	100	21,702	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	2	6	96	6	325	7	1,449	7	3.0	3.0	-.08	3.0	.02	3.0	.00	
		2	Sometimes	10	29	352	23	1,166	25	5,483	25								
		3	Often	10	29	457	30	1,509	33	7,014	32								
		4	Very often	13	37	619	41	1,608	35	7,771	36								
			Total	35	100	1,524	100	4,608	100	21,717	100								
d. People with political	DDpolitical	1	Never	1	3	83	5	293	6	1,179	5								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

Item wording or description	Variable name ^f	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
views other than your own		2	Sometimes	10	29	373	24	1,227	27	5,885	27	3.0	3.0	-.04	2.9	.06	3.0	.04	
	3	Often	12	34	474	31	1,523	33	7,109	33									
	4	Very often	12	34	594	39	1,571	34	7,547	35									
	Total		35	100	1,524	100	4,614	100	21,720	100									
<i>Your first-year students compared with</i>																			

9. During the current school year, about how often have you done the following?

a. Identified key information from reading assignments	LSreading	1	Never	0	0	42	3	102	2	522	2	2.9	3.0	-.10	3.0	-.10	3.0	-.11
	2	Sometimes	12	34	373	24	1,105	24	5,185	24								
	3	Often	15	43	711	47	2,285	50	10,485	48								
	4	Very often	8	23	400	26	1,118	24	5,524	25								
	Total		35	100	1,526	100	4,610	100	21,716	100								
b. Reviewed your notes after class	LSnotes	1	Never	1	3	86	6	239	5	1,143	5	2.8	2.9	-.05	2.9	-.03	2.8	-.02
	2	Sometimes	15	43	468	31	1,476	32	6,953	32								
	3	Often	8	23	526	34	1,607	35	7,789	36								
	4	Very often	11	31	448	29	1,287	28	5,834	27								
	Total		35	100	1,528	100	4,609	100	21,719	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	4	11	118	8	321	7	1,531	7	2.7	2.7	-.01	2.7	-.02	2.7	-.02
	2	Sometimes	12	34	524	34	1,535	33	7,294	34								
	3	Often	9	26	536	35	1,795	39	8,291	38								
	4	Very often	10	29	343	23	956	21	4,552	21								
	Total		35	100	1,521	100	4,607	100	21,668	100								

10. During the current school year, to what extent have your courses challenged you to do your best work?

challenge	1	Not at all	1	3	20	1	43	1	178	1	5.2	5.4	-.10	5.4	-.11	5.4	-.16
	2		0	0	20	1	62	1	289	1							
	3		0	0	80	5	211	5	973	4							
	4		4	11	198	13	566	12	2,412	11							
	5		20	57	496	33	1,594	35	7,183	33							
	6		4	11	370	24	1,240	27	6,201	29							
	7	Very much	6	17	341	22	893	19	4,472	21							
	Total		35	100	1,525	100	4,609	100	21,708	100							

11. Which of the following have you done or do you plan to do before you graduate?^o

a. Participate in an intern	Have not decided	10	29	193	13	597	13	2,210	10
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NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

			Frequency Distributions								Statistical Comparisons ^k							
			ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
internship, co-op, field experience, student teaching, or clinical placement	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		Do not plan to do	1	3	68	4	189	4	811	4	3%	8%	-.23	6%	-.18	8%	-.23
			Plan to do	23	66	1,144	75	3,527	76	16,966	78							
			Done or in progress	1	3	120	8	299	6	1,744	8							
			Total	35	100	1,525	100	4,612	100	21,731	100							
b. Hold a formal leadership role in a student organization or group	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	leader	Have not decided	7	20	399	26	1,319	29	5,757	26	6%	11%	-.19	10%	-.17	12%	-.21
			Do not plan to do	13	37	360	24	1,198	26	4,813	22							
			Plan to do	13	37	601	39	1,625	35	8,658	40							
			Done or in progress	2	6	164	11	474	10	2,499	12							
			Total	35	100	1,524	100	4,616	100	21,727	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	learncom	Have not decided	13	37	498	33	1,594	35	7,003	32	9%	14%	-.18	12%	-.11	14%	-.18
			Do not plan to do	7	20	357	23	1,276	28	6,168	28							
			Plan to do	12	34	449	30	1,178	26	5,431	25							
			Done or in progress	3	9	217	14	552	12	3,081	14							
			Total	35	100	1,521	100	4,600	100	21,683	100							
d. Participate in a study abroad program	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	abroad	Have not decided	13	37	444	29	1,379	30	6,251	29	0%	3%	-.33	3%	-.34	3%	-.35
			Do not plan to do	11	31	465	30	1,554	34	6,670	31							
			Plan to do	11	31	575	38	1,539	33	8,142	38							
			Done or in progress	0	0	41	3	135	3	641	3							
			Total	35	100	1,525	100	4,607	100	21,704	100							
e. Work with a faculty member on a research project	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	research	Have not decided	16	46	521	34	1,804	39	7,674	35	6%	5%	.04	5%	.03	6%	.00
			Do not plan to do	2	6	237	16	788	17	3,137	14							
			Plan to do	15	43	695	46	1,779	39	9,638	44							
			Done or in progress	2	6	74	5	229	5	1,250	6							
			Total	35	100	1,527	100	4,600	100	21,699	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	capstone	Have not decided	16	46	440	29	1,452	32	6,042	28	0%	2%	-.28	2%	-.28	2%	-.27
			Do not plan to do	4	11	118	8	370	8	1,566	7							
			Plan to do	15	43	935	61	2,693	59	13,698	63							
			Done or in progress	0	0	29	2	87	2	389	2							
			Total	35	100	1,522	100	4,602	100	21,695	100							

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

Item wording or description				Frequency Distributions								Statistical Comparisons ^k						
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		Your first-year students compared with						
				Count	%	Count	%	Count	%	Count	%	ASU Mean	Southwest Public Mean	Carnegie Class Mean	NSSE 2016 & 2017 Mean	Effect size ⁿ	Effect size ⁿ	
12. About how many of your courses at this institution have included a community-based project (service-learning)?																		
	servcourse	1	None	16	46	768	50	2,311	50	11,714	54	1.7	1.6	.09	1.6	.10	1.5	.17
		2	Some	15	43	631	41	1,919	42	8,443	39							
		3	Most	4	11	92	6	304	7	1,246	6							
		4	All	0	0	31	2	65	1	273	1							
		Total		35	100	1,522	100	4,599	100	21,676	100							
13. Indicate the quality of your interactions with the following people at your institution.																		
a. Students	QIstudent	1	Poor	3	9	23	2	76	2	293	1	4.8	5.4 **	-.47	5.4 *	-.43	5.5 **	-.52
		2		0	0	32	2	119	3	416	2							
		3		5	14	79	5	255	6	1,042	5							
		4		3	9	188	12	559	12	2,508	12							
		5		11	31	425	28	1,289	28	5,854	27							
		6		7	20	395	26	1,196	26	6,131	28							
		7	Excellent	5	14	375	25	1,080	23	5,378	25							
		—	Not applicable	1	3	13	1	39	1	131	1							
		Total		35	100	1,530	100	4,613	100	21,753	100							
b. Academic advisors	QIadvisor	1	Poor	0	0	45	3	145	3	655	3	5.5	5.2	.20	5.2	.17	5.2	.17
		2		1	3	61	4	190	4	936	4							
		3		4	11	125	8	352	8	1,581	7							
		4		4	11	226	15	655	14	3,006	14							
		5		7	20	339	22	945	21	4,590	21							
		6		6	17	309	20	966	21	4,710	22							
		7	Excellent	13	37	388	25	1,235	27	5,744	26							
		—	Not applicable	0	0	34	2	121	3	505	2							
		Total		35	100	1,527	100	4,609	100	21,727	100							
c. Faculty	QIfaculty	1	Poor	1	3	31	2	68	1	326	2	5.2	5.3	-.03	5.3	-.11	5.3	-.10
		2		0	0	49	3	123	3	568	3							
		3		1	3	95	6	261	6	1,161	5							
		4		8	23	222	15	588	13	2,907	13							
		5		9	26	377	25	1,194	26	5,645	26							
		6		11	31	395	26	1,285	28	6,217	29							
		7	Excellent	5	14	332	22	1,025	22	4,651	21							

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
		—	Not applicable	0	0	23	2	50	1	212	1								
			Total	35	100	1,524	100	4,594	100	21,687	100								
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	0	0	53	3	159	3	686	3	4.9	5.1	-.12	5.1	-.10	5.1	-.13	
		2		1	3	71	5	192	4	815	4								
		3		5	14	94	6	310	7	1,422	7								
		4		4	11	207	14	614	13	2,942	14								
		5		11	31	324	21	1,021	22	4,920	23								
		6		4	11	294	19	950	21	4,787	22								
		7	Excellent	5	14	324	21	855	19	4,104	19								
		—	Not applicable	5	14	154	10	500	11	2,008	9								
			Total	35	100	1,521	100	4,601	100	21,684	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	Qladmin	1	Poor	1	3	61	4	184	4	802	4	4.8	5.0	-.14	5.0	-.16	5.0	-.18	
		2		1	3	72	5	214	5	861	4								
		3		1	3	120	8	335	7	1,521	7								
		4		9	26	234	15	666	14	3,184	15								
		5		12	34	339	22	1,011	22	4,899	23								
		6		6	17	301	20	981	21	4,666	21								
		7	Excellent	2	6	304	20	886	19	3,975	18								
		—	Not applicable	3	9	97	6	332	7	1,812	8								
			Total	35	100	1,528	100	4,609	100	21,720	100								
14. How much does your institution emphasize the following?																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	0	0	28	2	61	1	298	1	3.0	3.1	-.19	3.1	-.20	3.2	-.26	
		2	Some	10	29	244	16	755	16	3,220	15								
		3	Quite a bit	15	43	743	49	2,264	49	10,183	47								
		4	Very much	10	29	513	34	1,535	33	8,019	37								
			Total	35	100	1,528	100	4,615	100	21,720	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	2	6	47	3	149	3	568	3	3.0	3.1	-.11	3.1	-.08	3.1	-.15	
		2	Some	8	23	282	19	888	19	3,830	18								
		3	Quite a bit	13	37	683	45	2,086	45	9,701	45								
		4	Very much	12	34	507	33	1,469	32	7,559	35								
			Total	35	100	1,519	100	4,592	100	21,658	100								
c. Using learning support services (tutoring services, writing center)	SElearnsup	1	Very little	4	11	74	5	244	5	949	4	3.0	3.1	-.11	3.1	-.08	3.1	-.15	
		2	Some	9	26	258	17	814	18	3,578	16								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

Item wording or description (services, writing center, etc.)	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
		3	Quite a bit	9	26	588	39	1,813	39	8,646	40	2.9	3.1	-.28	3.1	-.24	3.1	-.30	
		4	Very much	13	37	605	40	1,737	38	8,514	39								
			Total	35	100	1,525	100	4,608	100	21,687	100								
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	4	11	154	10	496	11	2,245	10	2.5	2.8	-.31	2.7	-.24	2.8	-.26	
		2	Some	14	40	400	26	1,305	28	6,205	29								
		3	Quite a bit	12	34	557	36	1,697	37	7,771	36								
		4	Very much	5	14	418	27	1,110	24	5,468	25								
			Total	35	100	1,529	100	4,608	100	21,689	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	3	9	96	6	254	6	1,135	5	2.7	2.9	-.27	2.9	-.30	3.0	-.33	
		2	Some	14	40	359	23	1,101	24	4,937	23								
		3	Quite a bit	9	26	635	42	1,904	41	9,150	42								
		4	Very much	9	26	438	29	1,339	29	6,461	30								
			Total	35	100	1,528	100	4,598	100	21,683	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	3	9	86	6	301	7	1,194	6	2.6	2.9 *	-.41	2.9 *	-.39	3.0 **	-.47	
		2	Some	16	46	375	25	1,096	24	4,801	22								
		3	Quite a bit	9	26	617	41	1,904	41	9,051	42								
		4	Very much	7	20	441	29	1,297	28	6,611	31								
			Total	35	100	1,519	100	4,598	100	21,657	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	5	14	301	20	981	21	4,362	20	2.3	2.4	-.12	2.3	-.07	2.3	-.09	
		2	Some	18	51	563	37	1,745	38	8,363	39								
		3	Quite a bit	10	29	447	29	1,259	27	6,168	28								
		4	Very much	2	6	211	14	615	13	2,784	13								
			Total	35	100	1,522	100	4,600	100	21,677	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	1	3	113	7	454	10	1,653	8	2.6	2.8	-.21	2.8	-.13	2.8	-.22	
		2	Some	18	51	442	29	1,311	29	5,913	27								
		3	Quite a bit	9	26	572	38	1,747	38	8,702	40								
		4	Very much	7	20	397	26	1,084	24	5,397	25								
			Total	35	100	1,524	100	4,596	100	21,665	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	5	14	234	15	657	14	2,905	13	2.3	2.5	-.18	2.5	-.21	2.5	-.25	
		2	Some	16	46	560	37	1,668	36	7,646	35								
		3	Quite a bit	12	34	488	32	1,536	33	7,504	35								
		4	Very much	2	6	239	16	738	16	3,595	17								
			Total	35	100	1,522	100	4,600	100	21,677	100								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS


Item wording or description	Variable name ^l	Values ^m	Response options Total	Frequency Distributions								Statistical Comparisons ^k																											
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		Your first-year students compared with																											
				Count	%	Count	%	Count	%	Count	%	ASU	Southwest Public	Carnegie Class	NSSE 2016 & 2017	Effect size ⁿ	Effect size ⁿ	Effect size ⁿ																					
15. About how many hours do you spend in a typical 7-day week doing the following?																																							
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	0 2 11 7 8 3 2 2	0 6 31 20 23 9 6 6	7 186 334 350 278 167 90 112	0 12 22 23 18 11 6 7	21 464 1,014 1,057 914 557 292 295	0 10 22 23 20 12 6 6	102 1,855 4,061 4,653 4,524 3,068 1,669 1,794	0 9 19 21 21 14 8 8	14.9	15.0	-.02	15.3	-.05	16.4	-.18																					
Total		35	100	1,524	100	4,614	100	21,726	100																														
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	0 7 8 5 1 1 0 2	0 20 23 14 3 3 0 6	528 508 232 124 70 24 12 23	35 33 15 8 5 2 1 2	1,571 1,517 711 380 210 113 38 61	34 33 15 8 5 2 1 1	5,964 7,542 3,792 2,179 1,142 535 204 293	28 35 18 10 5 2 1 1								7.3	5.2	.32	5.4	.29	6.0	.20														
Total		35	100	1,521	100	4,601	100	21,651	100																														
c. Working for pay on campus	tmworkonhrs <i>(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	0 0 1 0 5 0 1 0	0 0 3 0 14 0 3 0	1,229 36 51 81 89 22 7 10	81 2 3 5 6 1 0 1	3,694 207 288 214 127 46 19 13	80 4 6 5 3 1 0 0	16,697 1,020 1,702 1,147 713 205 62 154	77 5 8 5 3 1 0 1															3.6	2.8	.13	2.2	.27	2.6	.18							
Total		35	100	1,525	100	4,608	100	21,700	100																														
d. Working for pay off campus	tmworkoffhrs <i>(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs	0 2 2 1 4	60 6 6 3 11	1,079 63 66 83 83	71 4 4 5 5	3,301 175 242 201 268	72 4 5 4 6	16,821 801 916 851 901	78 4 4 4 4																						7.1	4.9	.23	4.7	.26	3.5	.45
Total		18		4		83		268		901																													

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

		Frequency Distributions										Statistical Comparisons ^k							
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
	(of hours per week.)	23	21-25 hrs	2	6	55	4	180	4	591	3								
		28	26-30 hrs	1	3	41	3	89	2	310	1								
		33	More than 30 hrs	2	6	55	4	158	3	499	2								
	Total			35	100	1,525	100	4,614	100	21,690	100								
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											10.7	7.7	.26	6.9	.36	6.0 *	.46	
e. Doing community service or volunteer work	tmservicehrs (Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	18	51	894	59	2,903	63	13,549	63								
		3	1-5 hrs	11	31	414	27	1,228	27	6,106	28								
		8	6-10 hrs	2	6	92	6	233	5	992	5								
		13	11-15 hrs	2	6	61	4	108	2	495	2								
		18	16-20 hrs	2	6	33	2	69	2	290	1								
		23	21-25 hrs	0	0	13	1	31	1	127	1								
		28	26-30 hrs	0	0	3	0	11	0	38	0								
		33	More than 30 hrs	0	0	9	1	15	0	61	0								
	Total			35	100	1,519	100	4,598	100	21,658	100	3.2	2.7	.10	2.1	.24	2.0	.28	
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs (Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	2	6	40	3	100	2	387	2								
		3	1-5 hrs	4	11	314	21	878	19	4,117	19								
		8	6-10 hrs	9	26	411	27	1,140	25	5,716	26								
		13	11-15 hrs	9	26	310	20	990	21	4,646	21								
		18	16-20 hrs	4	11	198	13	663	14	3,118	14								
		23	21-25 hrs	3	9	91	6	314	7	1,477	7								
		28	26-30 hrs	0	0	40	3	163	4	657	3								
		33	More than 30 hrs	4	11	120	8	360	8	1,577	7								
	Total			35	100	1,524	100	4,608	100	21,695	100	13.5	12.5	.12	13.1	.05	12.9	.08	
g. Providing care for dependents (children, parents, etc.)	tmcarehrs (Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	25	71	1,148	75	3,611	79	17,941	83								
		3	1-5 hrs	3	9	167	11	437	10	1,785	8								
		8	6-10 hrs	3	9	78	5	207	5	705	3								
		13	11-15 hrs	2	6	47	3	119	3	484	2								
		18	16-20 hrs	1	3	36	2	81	2	271	1								
		23	21-25 hrs	0	0	15	1	38	1	150	1								
		28	26-30 hrs	0	0	4	0	16	0	53	0								
	Total			25	71	1,148	75	3,611	79	17,941	83	3.1	2.4	.12	2.2	.16	1.6	.30	

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

		Frequency Distributions										Statistical Comparisons ^k								
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017				
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ		
		33	More than 30 hrs	1	3	26	2	86	2	249	1									
			Total	35	100	1,521	100	4,595	100	21,638	100									
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs <i>(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	12	34	465	31	1,912	41	9,652	44	4.0	4.8	-.13	4.0	.00	3.5	.09		
		3	1-5 hrs	15	43	604	40	1,630	35	7,749	36									
		8	6-10 hrs	4	11	271	18	602	13	2,540	12									
		13	11-15 hrs	2	6	93	6	237	5	895	4									
		18	16-20 hrs	2	6	44	3	108	2	397	2									
		23	21-25 hrs	0	0	22	1	41	1	184	1									
		28	26-30 hrs	0	0	7	0	22	0	80	0									
		33	More than 30 hrs	0	0	18	1	62	1	205	1									
			Total	35	100	1,524	100	4,614	100	21,702	100									
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																				
	reading	1	Very little	4	11	278	18	761	17	3,919	18	2.5	2.4	.09	2.5	-.02	2.4	.06		
		2	Some	15	43	616	40	1,820	40	8,946	41									
		3	About half	11	31	421	28	1,168	25	5,307	24									
		4	Most	5	14	167	11	647	14	2,717	13									
		5	Almost all	0	0	43	3	205	4	813	4									
			Total	35	100	1,525	100	4,601	100	21,702	100									
	tmreadinghrs <i>(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)</i>											6.2	5.7	.11	6.1	.02	6.2	.00		
	tmreadinghrscol <i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	1	0 hrs	0	0	7	0	21	0	100	0									
		2	More than zero, up to 5 hrs	21	60	897	59	2,536	55	11,721	54									
		3	More than 5, up to 10 hrs	8	23	402	26	1,265	28	6,159	28									
		4	More than 10, up to 15 hrs	3	9	107	7	395	9	1,880	9									
		5	More than 15, up to 20 hrs	1	3	56	4	209	5	973	4									

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
		6	More than 20, up to 25 hrs	2	6	33	2	123	3	582	3								
		7	More than 25 hrs	0	0	15	1	41	1	221	1								
			Total	35	100	1,517	100	4,590	100	21,636	100								
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																			
a. Writing clearly and effectively	pgwrite	1	Very little	4	11	170	11	413	9	2,394	11	2.5	2.7	-.16	2.7	-.22	2.6	-.14	
		2	Some	13	37	465	30	1,392	30	6,852	32								
		3	Quite a bit	14	40	609	40	1,939	42	8,719	40								
		4	Very much	4	11	281	18	861	19	3,746	17								
			Total	35	100	1,525	100	4,605	100	21,711	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	6	17	245	16	590	13	3,357	15	2.3	2.5	-.24	2.6	-.33	2.5	-.22	
		2	Some	15	43	494	32	1,515	33	7,564	35								
		3	Quite a bit	12	34	545	36	1,724	37	7,551	35								
		4	Very much	2	6	243	16	779	17	3,249	15								
			Total	35	100	1,527	100	4,608	100	21,721	100								
c. Thinking critically and analytically	pgthink	1	Very little	3	9	64	4	171	4	811	4	2.9	3.1	-.15	3.0	-.12	3.1	-.15	
		2	Some	4	12	277	18	925	20	4,091	19								
		3	Quite a bit	19	56	684	45	2,073	45	9,673	45								
		4	Very much	8	24	500	33	1,441	31	7,149	33								
			Total	34	100	1,525	100	4,610	100	21,724	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	2	6	104	7	300	7	1,353	6	3.0	2.9	.03	2.9	.06	3.0	.02	
		2	Some	5	14	349	23	1,101	24	5,004	23								
		3	Quite a bit	20	57	607	40	1,882	41	8,736	40								
		4	Very much	8	23	467	31	1,332	29	6,625	31								
			Total	35	100	1,527	100	4,615	100	21,718	100								
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	5	14	231	15	694	15	2,864	13	2.4	2.5	-.15	2.5	-.14	2.6	-.21	
		2	Some	14	40	520	34	1,596	35	7,200	33								
		3	Quite a bit	13	37	496	33	1,477	32	7,406	34								
		4	Very much	3	9	279	18	847	18	4,262	20								
			Total	35	100	1,526	100	4,614	100	21,732	100								
f. Working effectively	pgothers	1	Very little	4	11	119	8	353	8	1,584	7								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

Item wording or description with others	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
		2	Some	8	23	456	30	1,418	31	6,478	30	2.7	2.8	-.07	2.8	-.05	2.8	-.08	
		3	Quite a bit	17	49	606	40	1,848	40	8,710	40								
		4	Very much	6	17	346	23	991	21	4,956	23								
		Total		35	100	1,527	100	4,610	100	21,728	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	4	11	230	15	653	14	3,153	15	2.5	2.6	-.13	2.6	-.14	2.6	-.15	
		2	Some	13	37	464	30	1,448	31	6,656	31								
		3	Quite a bit	16	46	546	36	1,620	35	7,517	35								
		4	Very much	2	6	287	19	879	19	4,386	20								
		Total		35	100	1,527	100	4,600	100	21,712	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	5	14	184	12	585	13	2,757	13	2.4	2.7 *	-.34	2.6	-.26	2.6	-.26	
		2	Some	16	46	413	27	1,419	31	6,748	31								
		3	Quite a bit	9	26	564	37	1,637	36	7,619	35								
		4	Very much	5	14	365	24	967	21	4,590	21								
		Total		35	100	1,526	100	4,608	100	21,714	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	3	9	177	12	557	12	2,475	11	2.5	2.7	-.13	2.6	-.07	2.6	-.11	
		2	Some	14	40	473	31	1,552	34	7,055	32								
		3	Quite a bit	14	40	559	37	1,643	36	7,815	36								
		4	Very much	4	11	316	21	858	19	4,378	20								
		Total		35	100	1,525	100	4,610	100	21,723	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	5	14	203	13	658	14	3,064	14	2.4	2.6	-.16	2.5	-.11	2.5	-.12	
		2	Some	13	37	507	33	1,604	35	7,564	35								
		3	Quite a bit	14	40	538	35	1,540	34	7,312	34								
		4	Very much	3	9	275	18	785	17	3,730	17								
		Total		35	100	1,523	100	4,587	100	21,670	100								
18. How would you evaluate your entire educational experience at this institution?																			
	evalexp	1	Poor	0	0	32	2	99	2	422	2	3.1	3.2	-.11	3.2	-.07	3.2	-.14	
		2	Fair	7	21	193	13	611	13	2,594	12								
		3	Good	16	47	745	49	2,334	51	10,454	48								
		4	Excellent	11	32	559	37	1,571	34	8,275	38								
		Total		34	100	1,529	100	4,615	100	21,745	100								

19. If you could start over again, would you go to the same institution you are now attending?

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

First-Year Students^a in Engin, Sci, Math, CS

Item wording or description	Variable name ^j	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
	sameinst	1	Definitely no	1	3	59	4	179	4	725	3	3.1							
	2	Probably no	4	12	181	12	607	13	2,515	12	3.2		-.15	3.2	-.09	3.2	-.18		
	3	Probably yes	20	59	668	44	2,125	46	9,519	44									
	4	Definitely yes	9	26	616	40	1,702	37	8,985	41									
	Total	34	100	1,524	100	4,613	100	21,744	100										

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ		
														Mean	Effect size ⁿ		Mean	Effect size ⁿ	
1. During the current school year, about how often have you done the following?																			
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	0	0	102	5	211	4	936	4	3.0	2.8	.22	3.0	.04	2.9	.10	
		2	Sometimes	9	33	794	37	1,740	30	8,175	33								
		3	Often	9	33	677	31	1,920	33	8,156	32								
		4	Very often	9	33	577	27	1,967	34	7,858	31								
		Total		27	100	2,150	100	5,838	100	25,125	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	5	19	553	26	1,433	25	6,710	27	2.3	2.3	.01	2.3	.01	2.2	.08	
		2	Sometimes	12	44	725	34	2,164	37	9,293	37								
		3	Often	7	26	549	26	1,385	24	5,865	23								
		4	Very often	3	11	309	14	845	15	3,202	13								
		Total		27	100	2,136	100	5,827	100	25,070	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	1	4	163	8	340	6	1,660	7	3.1	2.9	.26	3.0	.18	2.9	.23	
		2	Often	2	7	357	17	862	15	4,049	16								
		3	Sometimes	17	63	1,158	54	3,253	56	13,883	55								
		4	Never	7	26	463	22	1,373	24	5,490	22								
		Total		27	100	2,141	100	5,828	100	25,082	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	15	56	1,053	49	2,845	49	11,261	45	1.6	1.7	-.17	1.7	-.18	1.8	-.25	
		2	Sometimes	10	37	780	36	2,138	37	9,746	39								
		3	Often	1	4	221	10	581	10	2,815	11								
		4	Very often	1	4	91	4	263	5	1,277	5								
		Total		27	100	2,145	100	5,827	100	25,099	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	2	7	182	8	553	9	1,995	8	2.9	2.7	.25	2.6	.31	2.7	.25	
		2	Sometimes	7	26	780	36	2,190	38	9,047	36								
		3	Often	9	33	696	32	1,893	32	8,523	34								
		4	Very often	9	33	486	23	1,201	21	5,550	22								
		Total		27	100	2,144	100	5,837	100	25,115	100								
f. Explained course material to one or more students	CLexplain	1	Never	0	0	55	3	159	3	567	2	3.2	2.9	.33	3.0	.30	3.0	.27	
		2	Sometimes	4	15	626	29	1,635	28	6,622	26								
		3	Often	13	48	834	39	2,266	39	10,165	40								
		4	Very often	10	37	626	29	1,781	30	7,764	31								
		Total		27	100	2,141	100	5,841	100	25,118	100								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with					
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	2	7	278	13	818	14	3,000	12	3.1	2.7	.34	2.7 *	.40	2.7	.35	
		2	Sometimes	5	19	625	29	1,794	31	7,764	31								
		3	Often	9	33	632	29	1,724	30	7,565	30								
		4	Very often	11	41	608	28	1,496	26	6,795	27								
		Total		27	100	2,143	100	5,832	100	25,124	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	0	0	95	4	296	5	968	4	3.2	3.0	.19	3.0	.24	3.0	.16	
		2	Sometimes	2	7	546	25	1,467	25	5,969	24								
		3	Often	18	67	732	34	2,167	37	9,190	37								
		4	Very often	7	26	769	36	1,900	33	8,977	36								
		Total		27	100	2,142	100	5,830	100	25,104	100								
i. Given a course presentation	present	1	Never	8	30	337	16	688	12	2,977	12	2.1	2.5 *	-.40	2.6 **	-.50	2.6 *	-.49	
		2	Sometimes	11	41	796	37	2,208	38	9,696	39								
		3	Often	5	19	628	29	1,844	32	7,811	31								
		4	Very often	3	11	382	18	1,099	19	4,641	18								
		Total		27	100	2,143	100	5,839	100	25,125	100								
2. During the current school year, about how often have you done the following?																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	0	0	79	4	209	4	805	3	3.0	2.9	.04	2.9	.06	2.9	.07	
		2	Sometimes	9	33	583	27	1,671	29	7,354	29								
		3	Often	10	37	879	41	2,368	41	10,446	42								
		4	Very often	8	30	599	28	1,577	27	6,494	26								
		Total		27	100	2,140	100	5,825	100	25,099	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	3	11	382	18	854	15	3,744	15	2.4	2.4	.01	2.4	-.04	2.4	-.03	
		2	Sometimes	15	56	880	41	2,518	43	10,963	44								
		3	Often	5	19	591	28	1,671	29	7,103	28								
		4	Very often	4	15	283	13	780	13	3,266	13								
		Total		27	100	2,136	100	5,823	100	25,076	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	6	22	809	38	1,595	27	7,213	29	2.0	1.9	.06	2.1	-.13	2.1	-.09	
		2	Sometimes	17	63	812	38	2,476	43	10,693	43								
		3	Often	2	7	352	16	1,202	21	5,003	20								
		4	Very often	2	7	169	8	549	9	2,171	9								
		Total		27	100	2,142	100	5,822	100	25,080	100								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k									
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with							
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ			
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	0	0	214	10	508	9	2,157	9	2.6	2.6	.01	2.6	-.01	2.6	.00			
		2	Sometimes	13	48	742	35	2,076	36	9,024	36										
		3	Often	11	41	820	38	2,263	39	9,815	39										
		4	Very often	3	11	361	17	980	17	4,082	16										
		Total		27	100	2,137	100	5,827	100	25,078	100										
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	Rlperspect	1	Never	0	0	135	6	365	6	1,537	6	2.8	2.8	-.02	2.8	-.01	2.8	.01			
		2	Sometimes	10	37	646	30	1,814	31	8,030	32										
		3	Often	13	48	871	41	2,349	40	10,114	40										
		4	Very often	4	15	485	23	1,295	22	5,375	21										
		Total		27	100	2,137	100	5,823	100	25,056	100										
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	0	0	78	4	186	3	830	3	3.0	2.9	.14	2.8	.15	2.8	.16			
		2	Sometimes	8	30	668	31	1,825	31	7,845	31										
		3	Often	12	44	883	41	2,512	43	10,934	44										
		4	Very often	7	26	508	24	1,298	22	5,451	22										
		Total		27	100	2,137	100	5,821	100	25,060	100										
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	0	0	40	2	80	1	387	2	3.0	3.1	-.11	3.1	-.15	3.1	-.13			
		2	Sometimes	5	19	432	20	1,105	19	4,868	19										
		3	Often	17	63	969	45	2,731	47	11,777	47										
		4	Very often	5	19	695	33	1,897	33	8,008	32										
		Total		27	100	2,136	100	5,813	100	25,040	100										
3. During the current school year, about how often have you done the following?																					
a. Talked about career plans with a faculty member	SFcareer	1	Never	0	0	503	23	1,077	18	4,747	19	2.8	▲	2.3 **	.57	▲	2.4 **	.41	▲	2.4 **	.45
		2	Sometimes	10	37	870	41	2,332	40	10,311	41										
		3	Often	12	44	475	22	1,373	24	5,856	23										
		4	Very often	5	19	294	14	1,045	18	4,158	17										
		Total		27	100	2,142	100	5,827	100	25,072	100										
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	6	22	912	43	2,245	39	9,445	38	2.4	▲	2.0 *	.43	2.1	.33	2.1	.34		
		2	Sometimes	8	30	635	30	1,769	30	7,969	32										
		3	Often	9	33	346	16	1,012	17	4,440	18										
		4	Very often	4	15	248	12	799	14	3,208	13										
		Total		27	100	2,141	100	5,825	100	25,062	100										

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k									
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with							
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ			
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	1	4	520	24	1,152	20	5,013	20	2.9	▲	2.2 ***	.71	▲	2.4 **	.52	▲	2.3 **	.58
		2	Sometimes	8	30	911	43	2,355	40	10,587	42										
		3	Often	12	44	477	22	1,414	24	6,162	25										
		4	Very often	6	22	231	11	895	15	3,275	13										
		Total		27	100	2,139	100	5,816	100	25,037	100										
d. Discussed your academic performance with a faculty member	SFperform	1	Never	2	7	573	27	1,341	23	6,200	25	2.6	▲	2.1 **	.51	▲	2.2 *	.41	▲	2.1 *	.49
		2	Sometimes	12	44	930	43	2,564	44	11,366	45										
		3	Often	8	30	435	20	1,241	21	5,014	20										
		4	Very often	5	19	202	9	665	11	2,447	10										
		Total		27	100	2,140	100	5,811	100	25,027	100										
4. During the current school year, how much has your coursework emphasized the following?																					
a. Memorizing course material	memorize	1	Very little	2	7	175	8	511	9	2,348	9	2.7		2.7	-.05	2.6	.03	2.6	.08		
		2	Some	8	30	719	34	2,107	36	9,445	38										
		3	Quite a bit	14	52	809	38	2,205	38	9,220	37										
		4	Very much	3	11	441	21	1,011	17	4,088	16										
		Total		27	100	2,144	100	5,834	100	25,101	100										
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	0	0	59	3	125	2	504	2	3.3		3.2	.06	3.2	.02	3.3	.01		
		2	Some	5	19	306	14	825	14	3,459	14										
		3	Quite a bit	10	37	892	42	2,367	41	10,348	41										
		4	Very much	12	44	881	41	2,514	43	10,770	43										
		Total		27	100	2,138	100	5,831	100	25,081	100										
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	0	0	85	4	241	4	1,039	4	3.1		3.1	-.03	3.1	-.01	3.1	.01		
		2	Some	5	19	416	19	1,165	20	5,142	21										
		3	Quite a bit	15	56	841	39	2,307	40	10,059	40										
		4	Very much	7	26	802	37	2,109	36	8,819	35										
		Total		27	100	2,144	100	5,822	100	25,059	100										
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	2	7	294	14	712	12	3,432	14	2.8		2.6	.18	2.6	.17	2.6	.23		
		2	Some	7	26	693	32	1,963	34	8,733	35										
		3	Quite a bit	13	48	710	33	2,004	34	8,334	33										
		4	Very much	5	19	443	21	1,146	20	4,556	18										
		Total		27	100	2,140	100	5,825	100	25,055	100										

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Effect size ⁿ			
														Mean	Effect size ⁿ	Mean	Effect size ⁿ		
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	1	4	174	8	387	7	1,722	7	2.7	2.8	-.14	2.8	-.17	2.8	-.12	
		2	Some	10	37	566	26	1,577	27	7,233	29								
		3	Quite a bit	12	44	859	40	2,391	41	10,169	41								
		4	Very much	4	15	542	25	1,470	25	5,925	24								
		Total		27	100	2,141	100	5,825	100	25,049	100								
5. During the current school year, to what extent have your instructors done the following?																			
a. Clearly explained course goals and requirements	ETgoals	1	Very little	0	0	70	3	149	3	589	2	3.3	3.1	.25	3.1	.19	3.1	.23	
		2	Some	5	19	413	19	1,028	18	4,702	19								
		3	Quite a bit	10	37	984	46	2,699	46	11,875	47								
		4	Very much	12	44	677	32	1,958	34	7,950	32								
		Total		27	100	2,144	100	5,834	100	25,116	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	0	0	86	4	189	3	725	3	3.3	3.0	.35	3.1	.30	3.0	.32	
		2	Some	5	19	452	21	1,106	19	4,897	20								
		3	Quite a bit	9	33	962	45	2,688	46	11,903	47								
		4	Very much	13	48	641	30	1,843	32	7,568	30								
		Total		27	100	2,141	100	5,826	100	25,093	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	0	0	92	4	180	3	712	3	3.4	3.0 *	.42	3.1	.33	3.1	.36	
		2	Some	5	19	453	21	1,008	17	4,546	18								
		3	Quite a bit	6	22	857	40	2,470	42	10,815	43								
		4	Very much	16	59	739	35	2,176	37	9,017	36								
		Total		27	100	2,141	100	5,834	100	25,090	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	4	15	340	16	705	12	3,636	15	2.6	2.5	.04	2.6	-.09	2.6	.00	
		2	Some	10	37	744	35	1,920	33	8,536	34								
		3	Quite a bit	7	26	653	31	1,973	34	8,236	33								
		4	Very much	6	22	398	19	1,225	21	4,647	19								
		Total		27	100	2,135	100	5,823	100	25,055	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	1	4	238	11	444	8	2,072	8	2.9	2.7	.20	2.8	.07	2.7	.13	
		2	Some	9	33	688	32	1,640	28	7,580	30								
		3	Quite a bit	10	37	755	35	2,374	41	10,086	40								
		4	Very much	7	26	446	21	1,336	23	5,237	21								
		Total		27	100	2,127	100	5,794	100	24,975	100								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

		Frequency Distributions										Statistical Comparisons ^k							
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with							
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
6. During the current school year, about how often have you done the following?																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	0	0	102	5	232	4	914	4	3.0	3.1	-.02	3.1	-.07	3.1	-.08	
		2	Sometimes	8	30	452	21	1,236	21	5,105	20								
		3	Often	10	37	799	37	2,104	36	9,526	38								
		4	Very often	9	33	781	37	2,246	39	9,482	38								
			Total	27	100	2,134	100	5,818	100	25,027	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	3	11	448	21	1,118	19	4,692	19	2.7	2.5	.18	2.5	.15	2.5	.15	
		2	Sometimes	9	33	655	31	1,884	32	8,195	33								
		3	Often	9	33	578	27	1,531	26	6,660	27								
		4	Very often	6	22	447	21	1,275	22	5,482	22								
			Total	27	100	2,128	100	5,808	100	25,029	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	0	0	279	13	702	12	2,795	11	2.7	2.6	.10	2.6	.08	2.6	.06	
		2	Sometimes	13	50	744	35	2,045	35	8,745	35								
		3	Often	8	31	681	32	1,873	32	8,372	33								
		4	Very often	5	19	434	20	1,207	21	5,151	21								
			Total	26	100	2,138	100	5,827	100	25,063	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)																			
a. Up to 5 pages	wrshortnum	0	None	1	4	339	16	612	11	2,694	11	6.2	5.5	.11	6.5	-.05	6.3	-.02	
	(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	7	27	537	25	1,328	23	5,851	24								
		4	3-5	6	23	587	28	1,585	27	6,941	28								
		8	6-10	9	35	327	15	1,080	19	4,604	19								
		13	11-15	1	4	133	6	514	9	2,158	9								
		18	16-20	1	4	65	3	249	4	1,061	4								
		23	More than 20	1	4	132	6	400	7	1,566	6								
			Total	26	100	2,120	100	5,768	100	24,875	100								
b. Between 6 and 10 pages	wrmednum	0	None	7	26	775	37	1,820	32	7,805	32	2.1	3.1 *	-0.21	3.1	-0.22	3.0	-0.21	
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	14	52	626	30	1,922	33	8,369	34								
		4	3-5	3	11	353	17	1,106	19	4,760	19								
		8	6-10	3	11	215	10	559	10	2,323	9								
		13	11-15	0	0	61	3	180	3	792	3								
		18	16-20	0	0	35	2	81	1	303	1								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k									
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		Your seniors compared with									
				Count	%	Count	%	Count	%	Count	%	ASU	Southwest Public	Carnegie Class	NSSE 2016 & 2017	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
		23	More than 20	0	0	47	2	91	2	367	1										
			Total	27	100	2,112	100	5,759	100	24,719	100										
c. 11 pages or more	wrlongnum	0	None	17	65	1,094	52	2,965	52	12,052	49	.6	▼	2.2 ***	-.39	▼	1.9 ***	-.33	▼	2.0 ***	-.36
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	8	31	566	27	1,791	31	7,975	32										
		4	3-5	1	4	194	9	523	9	2,502	10										
		8	6-10	0	0	143	7	236	4	1,178	5										
		13	11-15	0	0	55	3	105	2	474	2										
		18	16-20	0	0	33	2	57	1	232	1										
		23	More than 20	0	0	29	1	72	1	311	1										
			Total	26	100	2,114	100	5,749	100	24,724	100										
Estimated number of assigned pages of student writing.	wrpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									44.8	▼	74.7 **	-.28	▼	71.0 **	-.28	▼	71.6 **	-.29

8. During the current school year, about how often have you had discussions with people from the following groups?

a. People of a race or ethnicity other than your own	DDrace	1	Never	0	0	154	7	419	7	1,499	6	3.3	▼	3.1	.19	▼	3.0	.32	▼	3.0	.30
		2	Sometimes	4	15	422	20	1,528	26	6,436	26										
		3	Often	11	41	587	27	1,601	27	7,293	29										
		4	Very often	12	44	972	46	2,275	39	9,864	39										
			Total	27	100	2,135	100	5,823	100	25,092	100										
b. People from an economic background other than your own	DDeconomic	1	Never	0	0	136	6	357	6	1,239	5	3.1	▼	3.1	.05	▼	3.0	.15	▼	3.0	.10
		2	Sometimes	5	19	462	22	1,449	25	5,955	24										
		3	Often	14	52	662	31	1,982	34	8,793	35										
		4	Very often	8	30	871	41	2,027	35	9,070	36										
			Total	27	100	2,131	100	5,815	100	25,057	100										
c. People with religious beliefs other than your own	DDreligion	1	Never	0	0	158	7	444	8	1,759	7	2.8	▼	3.0	-.28	▼	3.0	-.18	▼	3.0	-.20
		2	Sometimes	12	44	468	22	1,489	26	6,409	26										
		3	Often	9	33	631	30	1,781	31	7,724	31										
		4	Very often	6	22	876	41	2,106	36	9,157	37										
			Total	27	100	2,133	100	5,820	100	25,049	100										
d. People with political	DDpolitical	1	Never	0	0	163	8	424	7	1,598	6										

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

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Seniors^a in Engin, Sci, Math, CS

		Frequency Distributions								Statistical Comparisons ^k									
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with							
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
views other than your own		2	Sometimes	8	30	513	24	1,599	27	6,934	28	2.9	3.0	-.07	2.9	.01	2.9	-.01	
		3	Often	13	48	626	29	1,846	32	7,895	32								
		4	Very often	6	22	834	39	1,948	33	8,625	34								
			Total	27	100	2,136	100	5,817	100	25,052	100								
9. During the current school year, about how often have you done the following?																			
a. Identified key information from reading assignments	LSreading	1	Never	0	0	96	5	270	5	1,192	5	3.1	2.9	.15	2.9	.16	2.9	.18	
		2	Sometimes	6	22	533	25	1,422	24	6,508	26								
		3	Often	13	48	886	42	2,514	43	10,546	42								
		4	Very often	8	30	617	29	1,620	28	6,837	27								
			Total	27	100	2,132	100	5,826	100	25,083	100								
b. Reviewed your notes after class	LSnotes	1	Never	2	7	156	7	468	8	2,253	9	3.0	2.8	.22	2.8	.23	2.7	.28	
		2	Sometimes	6	22	691	32	1,869	32	8,428	34								
		3	Often	9	33	713	33	1,915	33	8,050	32								
		4	Very often	10	37	577	27	1,571	27	6,344	25								
			Total	27	100	2,137	100	5,823	100	25,075	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	3	11	225	11	560	10	2,563	10	2.9	2.7	.19	2.7	.17	2.7	.21	
		2	Sometimes	7	26	722	34	1,938	33	8,660	35								
		3	Often	8	30	707	33	2,008	35	8,609	34								
		4	Very often	9	33	482	23	1,301	22	5,182	21								
			Total	27	100	2,136	100	5,807	100	25,014	100								
10. During the current school year, to what extent have your courses challenged you to do your best work?																			
	challenge	1	Not at all	0	0	36	2	66	1	266	1	5.8	5.5	.21	5.6	.19	5.5	.24	
		2		0	0	35	2	105	2	473	2								
		3		0	0	119	6	244	4	1,097	4								
		4		2	7	227	11	548	9	2,562	10								
		5		9	33	543	25	1,583	27	7,182	29								
		6		8	30	508	24	1,668	29	7,120	28								
		7	Very much	8	30	663	31	1,611	28	6,357	25								
			Total	27	100	2,131	100	5,825	100	25,057	100								
11. Which of the following have you done or do you plan to do before you graduate?^o																			
a. Participate in an	intern		Have not decided	4	15	192	9	488	8	1,674	7								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

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			ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with							
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ		
internship, co-op, field experience, student teaching, or clinical placement	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		Do not plan to do	7	26	284	13	901	15	3,386	13	26%	40%	-.29	47% *	-.45	54% **	▼	▼	-.59
			Plan to do	9	33	815	38	1,692	29	6,383	25									
			Done or in progress	7	26	849	40	2,751	47	13,661	54									
			Total	27	100	2,140	100	5,832	100	25,104	100									
b. Hold a formal leadership role in a student organization or group	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		leader	4	15	262	12	602	10	2,222	9	48%	34%	.28	38%	.20	44%			.09
			Do not plan to do	7	26	891	42	2,516	43	9,985	40									
			Plan to do	3	11	248	12	485	8	1,926	8									
			Done or in progress	13	48	736	34	2,221	38	10,947	44									
			Total	27	100	2,137	100	5,824	100	25,080	100									
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		learncom	6	22	319	15	736	13	2,836	11	26%	22%	.09	22%	.08	23%			.07
			Do not plan to do	11	41	1,059	50	3,266	56	14,417	57									
			Plan to do	3	11	284	13	513	9	2,056	8									
			Done or in progress	7	26	473	22	1,306	22	5,765	23									
			Total	27	100	2,135	100	5,821	100	25,074	100									
d. Participate in a study abroad program	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		abroad	1	4	308	14	609	10	2,399	10	7%	9%	-.06	10%	-.10	13%			-.19
			Do not plan to do	21	78	1,421	66	4,252	73	17,837	71									
			Plan to do	3	11	216	10	369	6	1,518	6									
			Done or in progress	2	7	194	9	598	10	3,315	13									
			Total	27	100	2,139	100	5,828	100	25,069	100									
e. Work with a faculty member on a research project	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		research	5	19	344	16	900	15	3,260	13	41%	29%	.25	34%	.13	37%			.09
			Do not plan to do	4	15	704	33	2,080	36	8,994	36									
			Plan to do	7	26	471	22	845	15	3,612	14									
			Done or in progress	11	41	612	29	1,994	34	9,159	37									
			Total	27	100	2,131	100	5,819	100	25,025	100									
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		capstone	3	11	199	9	433	7	1,646	7	33%	43%	-.20	48%	-.31	51%			-.36
			Do not plan to do	3	11	288	13	942	16	3,766	15									
			Plan to do	12	44	735	34	1,633	28	6,878	27									
			Done or in progress	9	33	914	43	2,820	48	12,793	51									
			Total	27	100	2,136	100	5,828	100	25,083	100									

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				Frequency Distributions								Statistical Comparisons ^k													
				ASU				Southwest Public				Carnegie Class				NSSE 2016 & 2017				Your seniors compared with					
Item wording or description	Variable name ^j	Values ^m	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU	Southwest Public		Carnegie Class		NSSE 2016 & 2017								
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ							
12. About how many of your courses at this institution have included a community-based project (service-learning)?																									
	servcourse	1	None	8	30	1,256	59	2,950	51	13,523	54	1.7	▲	1.5 *	.37	1.6	.26	1.5 *	.34						
		2	Some	18	67	736	35	2,483	43	10,108	40														
		3	Most	1	4	95	4	301	5	1,129	5														
		4	All	0	0	39	2	78	1	273	1														
		Total		27	100	2,126	100	5,812	100	25,033	100														
13. Indicate the quality of your interactions with the following people at your institution.																									
a. Students	QIstudent	1	Poor	0	0	37	2	74	1	283	1	5.7	▲	5.5	.11	5.6	.06	5.6	.08						
		2		0	0	51	2	83	1	405	2														
		3		0	0	93	4	238	4	1,079	4														
		4		5	19	234	11	614	11	2,625	10														
		5		6	22	512	24	1,438	25	6,254	25														
		6		9	33	583	27	1,650	28	7,366	29														
		7	Excellent	7	26	615	29	1,695	29	6,976	28														
		—	Not applicable	0	0	13	1	46	1	136	1														
		Total		27	100	2,138	100	5,838	100	25,124	100														
b. Academic advisors	QIadvisor	1	Poor	0	0	155	7	291	5	1,280	5	6.0	▲	4.9 ***	.61	5.2 **	.47	5.1 ***	.53						
		2		1	4	126	6	263	5	1,370	5														
		3		0	0	197	9	426	7	2,063	8														
		4		3	11	278	13	709	12	3,291	13														
		5		2	7	404	19	1,078	18	4,729	19														
		6		8	30	404	19	1,157	20	5,025	20														
		7	Excellent	13	48	544	25	1,774	30	6,986	28														
		—	Not applicable	0	0	34	2	131	2	356	1														
		Total		27	100	2,142	100	5,829	100	25,100	100														
c. Faculty	QIfaculty	1	Poor	0	0	74	3	103	2	455	2	6.2	▲	5.2 ***	.62	5.5 *	.48	5.4 **	.55						
		2		0	0	87	4	147	3	703	3														
		3		0	0	127	6	283	5	1,322	5														
		4		3	12	307	14	665	11	3,166	13														
		5		3	12	509	24	1,338	23	6,116	24														
		6		7	27	527	25	1,656	28	7,195	29														
		7	Excellent	13	50	485	23	1,599	27	5,965	24														

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ		
		—	Not applicable	0	0	18	1	34	1	117	0								
			Total	26	100	2,134	100	5,825	100	25,039	100								
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	1	4	145	7	292	5	1,252	5	5.0	4.6	.24	4.8	.12	4.8	.16	
		2		2	7	124	6	262	5	1,264	5								
		3		2	7	205	10	402	7	2,009	8								
		4		3	11	320	15	823	14	3,857	15								
		5		5	19	358	17	1,124	19	5,178	21								
		6		8	30	336	16	1,011	17	4,362	17								
		7	Excellent	5	19	313	15	896	15	3,681	15								
		—	Not applicable	1	4	332	16	1,008	17	3,450	14								
			Total	27	100	2,133	100	5,818	100	25,053	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	Qladmin	1	Poor	0	0	166	8	321	6	1,391	6	5.3	4.6 **	.42	4.8	.30	4.7	.36	
		2		1	4	139	7	317	5	1,391	6								
		3		1	4	197	9	453	8	2,206	9								
		4		4	15	357	17	915	16	4,283	17								
		5		7	26	431	20	1,282	22	5,590	22								
		6		8	30	380	18	1,185	20	4,826	19								
		7	Excellent	5	19	328	15	1,003	17	3,799	15								
		—	Not applicable	1	4	140	7	353	6	1,608	6								
			Total	27	100	2,138	100	5,829	100	25,094	100								

14. How much does your institution emphasize the following?

a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	0	0	46	2	103	2	442	2	3.0	3.2	-.29	3.2	-.24	3.2 *	-.30
		2	Some	4	15	300	14	906	16	3,553	14							
		3	Quite a bit	19	70	933	44	2,633	45	11,019	44							
		4	Very much	4	15	854	40	2,177	37	10,041	40							
			Total	27	100	2,133	100	5,819	100	25,055	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	2	7	153	7	287	5	1,211	5	2.8	2.8	-.02	2.9	-.13	2.9	-.13
		2	Some	7	26	563	26	1,420	24	6,149	25							
		3	Quite a bit	12	44	889	42	2,542	44	11,044	44							
		4	Very much	6	22	521	25	1,554	27	6,588	26							
			Total	27	100	2,126	100	5,803	100	24,992	100							
c. Using learning support services (tutoring services, writing center)	SElearnsup	1	Very little	0	0	201	9	579	10	2,256	9	2.8	2.8	-.02	2.9	-.13	2.9	-.13
		2	Some	5	19	559	26	1,525	26	6,679	27							

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

Item wording or description (services, writing center, etc.)	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k												
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		Your seniors compared with												
				Count	%	Count	%	Count	%	Count	%	ASU	Southwest Public	Carnegie Class	NSSE 2016 & 2017	Effect size ⁿ	Effect size ⁿ	Effect size ⁿ						
		3	Quite a bit	12	46	831	39	2,252	39	9,708	39	3.2	2.8	.38	2.8 *	.39	2.8	.38						
		4	Very much	9	35	539	25	1,465	25	6,374	25													
			Total	26	100	2,130	100	5,821	100	25,017	100													
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	3	11	394	19	1,000	17	4,500	18	2.8	2.5	.29	2.5	.29	2.5	.33						
		2	Some	5	19	660	31	1,877	32	8,385	34													
		3	Quite a bit	13	48	634	30	1,815	31	7,518	30													
		4	Very much	6	22	435	20	1,123	19	4,594	18													
			Total	27	100	2,123	100	5,815	100	24,997	100													
e. Providing opportunities to be involved socially	SEsocial	1	Very little	2	7	256	12	553	10	2,179	9	2.9	2.7	.15	2.7	.12	2.8	.09						
		2	Some	7	26	577	27	1,687	29	7,089	28													
		3	Quite a bit	11	41	841	39	2,291	39	9,982	40													
		4	Very much	7	26	463	22	1,283	22	5,784	23													
			Total	27	100	2,137	100	5,814	100	25,034	100													
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	1	4	292	14	687	12	2,709	11	2.9	2.6	.23	2.7	.16	2.7	.13						
		2	Some	7	26	637	30	1,666	29	7,045	28													
		3	Quite a bit	14	52	773	36	2,145	37	9,543	38													
		4	Very much	5	19	431	20	1,316	23	5,727	23													
			Total	27	100	2,133	100	5,814	100	25,024	100													
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	9	33	796	37	1,956	34	8,507	34	2.1	2.0	.11	2.0	.08	2.0	.09						
		2	Some	9	33	725	34	2,191	38	9,378	38													
		3	Quite a bit	6	22	407	19	1,141	20	4,992	20													
		4	Very much	3	11	203	10	519	9	2,119	8													
			Total	27	100	2,131	100	5,807	100	24,996	100													
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	5	19	348	16	990	17	3,439	14	2.6	2.6	-.01	2.5	.08	2.6	-.03						
		2	Some	8	30	651	31	1,952	34	8,065	32													
		3	Quite a bit	8	30	726	34	1,945	33	8,947	36													
		4	Very much	6	22	409	19	922	16	4,571	18													
			Total	27	100	2,134	100	5,809	100	25,022	100													
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	5	19	566	27	1,296	22	5,301	21	2.3	2.2	.10	2.3	.00	2.3	-.01						
		2	Some	11	41	791	37	2,237	39	9,794	39													
		3	Quite a bit	9	33	528	25	1,562	27	6,913	28													
		4	Very much	2	7	236	11	714	12	2,967	12													

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

Item wording or description	Variable name ^l	Values ^m	Response options Total	Frequency Distributions								Statistical Comparisons ^k																			
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017													
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ												
				27	100	2,121	100	5,809	100	24,975	100	<i>Your seniors compared with</i>																			
15. About how many hours do you spend in a typical 7-day week doing the following?																															
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprphrs <i>(Recorded version of tmprphrs created by NSSE. Values are estimated number of hours per week.)</i>	0 0 hrs 3 1-5 hrs 8 6-10 hrs 13 11-15 hrs 18 16-20 hrs 23 21-25 hrs 28 26-30 hrs 33 More than 30 hrs Total	0 3 3 5 4 7 0 4 26	0 12 12 19 15 27 0 15 100	15 200 405 434 375 239 153 317 2,138	1 9 19 20 18 11 7 15 100	27 523 1,058 1,069 1,072 778 501 797 5,825	0 9 18 18 18 13 9 14 100	123 2,133 4,187 4,589 4,825 3,411 2,155 3,658 25,081	0 9 17 18 19 14 9 15 100	17.8	17.1	.08	17.4	.04	17.8	.00														
b. Participating in co- curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0 0 hrs 3 1-5 hrs 8 6-10 hrs 13 11-15 hrs 18 16-20 hrs 23 21-25 hrs 28 26-30 hrs 33 More than 30 hrs Total	7 11 4 2 1 0 0 2 27	26 41 15 7 4 0 0 7 100	920 642 266 147 81 36 20 18 2,130	43 30 12 7 4 2 1 1 100	2,335 1,814 708 410 243 128 60 106 5,804	40 31 12 7 4 2 1 2 100	8,527 8,098 3,819 2,009 1,267 633 271 400 25,024	34 32 15 8 5 3 1 2 100								6.5	4.4	.32	5.0	.21	5.6	.13							
c. Working for pay on campus	tmworkonhrs <i>(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)</i>	0 0 hrs 3 1-5 hrs 8 6-10 hrs 13 11-15 hrs 18 16-20 hrs 23 21-25 hrs 28 26-30 hrs 33 More than 30 hrs Total	15 0 2 4 4 1 1 0 27	56 0 7 15 15 4 4 0 100	1,458 74 136 132 244 44 25 19 2,132	68 3 6 6 11 2 1 1 100	3,789 392 605 454 397 92 35 66 5,830	65 7 10 8 7 2 1 1 100	15,190 1,927 3,053 2,072 1,894 465 179 273 25,053	61 8 12 8 8 2 1 1 100															7.1	4.6	.32	4.2	.41	4.6	.34
d. Working for pay off campus	tmworkoffhrs <i>(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)</i>	0 0 hrs 3 1-5 hrs 8 6-10 hrs 13 11-15 hrs 18 16-20 hrs	18 0 1 3 1	67 0 4 11 4	1,094 108 119 112 190	51 5 6 5 9	2,801 295 382 375 603	48 5 7 6 10	14,344 1,255 1,487 1,533 2,019	57 5 6 6 8																					

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

Item wording or description		Variable name ^l (of hours per week.)		Values ^m		Response options		Frequency Distributions								Statistical Comparisons ^k							
								ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
								Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
								Your seniors compared with															
Estimated number of hours working for pay		tmworkhrs (Continuous variable created by NSSE)																					
												14.0											
e. Doing community service or volunteer work		tmservicehrs (Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)																					
												2.9											
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)		tmrelaxhrs (Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)																					
												9.2											
g. Providing care for dependents (children, parents, etc.)		tmcarehrs (Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)																					
												2.2											

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

		Frequency Distributions										Statistical Comparisons ^k												
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017								
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ						
		33	More than 30 hrs	1	4	187	9	363	6	1,108	4													
			Total	27	100	2,137	100	5,804	100	24,996	100													
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	5	19	214	10	931	16	4,770	19	3.6												
		(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	17	63	1,093	51	3,058	53	13,555								54					
			8	6-10 hrs	4	15	496	23	1,164	20	4,358								17					
			13	11-15 hrs	1	4	204	10	386	7	1,375								5					
			18	16-20 hrs	0	0	56	3	131	2	466								2					
			23	21-25 hrs	0	0	29	1	47	1	198								1					
			28	26-30 hrs	0	0	11	1	22	0	94								0					
			33	More than 30 hrs	0	0	38	2	85	1	255								1					
				Total	27	100	2,141	100	5,824	100	25,071								100					
																					6.1 ***	-.43	5.2 **	-.29
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																								
	reading	1	Very little	5	19	580	27	1,560	27	7,368	29	2.1												
		2	Some	16	59	805	38	2,239	38	9,675	39													
		3	About half	4	15	463	22	1,238	21	4,872	19													
		4	Most	2	7	204	10	588	10	2,331	9													
		5	Almost all	0	0	82	4	200	3	793	3													
			Total	27	100	2,134	100	5,825	100	25,039	100													
	tmreadinghrs															5.1								
	(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)																							
	tmreadinghrscol	1	0 hrs	0	0	14	1	26	0	120	0													
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	15	58	1,240	58	3,316	57	14,552	58													
		3	More than 5, up to 10 hrs	7	27	550	26	1,532	26	6,628	27													
		4	More than 10, up to 15 hrs	4	15	147	7	435	7	1,675	7													
		5	More than 15, up to 20 hrs	0	0	98	5	265	5	1,104	4													

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

Item wording or description	Variable name ^f	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
		6	More than 20, up to 25 hrs	0	0	51	2	156	3	632	3							
		7	More than 25 hrs	0	0	28	1	75	1	254	1							
			Total	26	100	2,128	100	5,805	100	24,965	100							
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																		
a. Writing clearly and effectively	pgwrite	1	Very little	2	7	255	12	545	9	2,514	10	3.0	2.7	.27	2.8	.21	2.7	.25
		2	Some	5	19	613	29	1,668	29	7,458	30							
		3	Quite a bit	12	44	777	36	2,186	38	9,313	37							
		4	Very much	8	30	495	23	1,415	24	5,776	23							
			Total	27	100	2,140	100	5,814	100	25,061	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	3	11	302	14	641	11	2,941	12	2.8	2.7	.16	2.7	.09	2.7	.13
		2	Some	6	22	616	29	1,704	29	7,527	30							
		3	Quite a bit	11	41	732	34	2,097	36	8,871	35							
		4	Very much	7	26	491	23	1,384	24	5,739	23							
			Total	27	100	2,141	100	5,826	100	25,078	100							
c. Thinking critically and analytically	pgthink	1	Very little	1	4	88	4	182	3	683	3	3.5	3.3	.27	3.3	.21	3.3	.19
		2	Some	1	4	281	13	711	12	2,987	12							
		3	Quite a bit	9	33	763	36	2,042	35	8,723	35							
		4	Very much	16	59	1,006	47	2,894	50	12,691	51							
			Total	27	100	2,138	100	5,829	100	25,084	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	1	4	100	5	171	3	673	3	3.4	3.3	.17	3.3	.10	3.4	.07
		2	Some	1	4	273	13	797	14	3,104	12							
		3	Quite a bit	11	41	726	34	1,831	31	7,970	32							
		4	Very much	14	52	1,043	49	3,030	52	13,344	53							
			Total	27	100	2,142	100	5,829	100	25,091	100							
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	5	19	251	12	504	9	2,185	9	2.6	2.8	-.20	2.9	-.33	2.9	-.33
		2	Some	5	19	558	26	1,437	25	6,168	25							
		3	Quite a bit	13	48	716	33	2,004	34	8,549	34							
		4	Very much	4	15	618	29	1,876	32	8,195	33							
			Total	27	100	2,143	100	5,821	100	25,097	100							
f. Working effectively	pgothers	1	Very little	0	0	168	8	357	6	1,445	6							

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

		Frequency Distributions								Statistical Comparisons ^k									
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with							
Item wording or description with others	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
		2	Some	7	26	509	24	1,342	23	5,743	23	3.1	2.9	.25	3.0	.20	3.0	.20	
		3	Quite a bit	9	33	802	38	2,260	39	9,902	39								
		4	Very much	11	41	659	31	1,868	32	7,986	32								
			Total	27	100	2,138	100	5,827	100	25,076	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	4	15	395	18	927	16	4,089	16	2.8	2.6	.22	2.6	.18	2.6	.20	
		2	Some	3	11	590	28	1,672	29	7,286	29								
		3	Quite a bit	14	52	668	31	1,870	32	7,915	32								
		4	Very much	6	22	489	23	1,363	23	5,790	23								
			Total	27	100	2,142	100	5,832	100	25,080	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	2	7	418	20	950	16	4,322	17	2.8	2.6	.23	2.5	.27	2.5	.29	
		2	Some	8	30	584	27	1,950	34	8,326	33								
		3	Quite a bit	10	37	623	29	1,695	29	7,342	29								
		4	Very much	7	26	510	24	1,223	21	5,074	20								
			Total	27	100	2,135	100	5,818	100	25,064	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	3	11	252	12	557	10	2,310	9	2.6	2.8	-.23	2.9	-.28	2.9	-.30	
		2	Some	8	30	529	25	1,512	26	6,337	25								
		3	Quite a bit	13	48	694	32	1,948	33	8,552	34								
		4	Very much	3	11	661	31	1,807	31	7,881	31								
			Total	27	100	2,136	100	5,824	100	25,080	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	7	26	501	24	1,167	20	5,106	20	2.2	2.4	-.14	2.4	-.20	2.4	-.19	
		2	Some	9	33	703	33	2,012	35	8,740	35								
		3	Quite a bit	9	33	559	26	1,630	28	6,870	28								
		4	Very much	2	7	365	17	996	17	4,249	17								
			Total	27	100	2,128	100	5,805	100	24,965	100								
18. How would you evaluate your entire educational experience at this institution?																			
	evalexp	1	Poor	1	4	102	5	218	4	860	3	3.4	3.1 *	.43	3.1	.33	3.2	.29	
		2	Fair	1	4	369	17	812	14	3,445	14								
		3	Good	11	41	979	46	2,692	46	11,210	45								
		4	Excellent	14	52	691	32	2,113	36	9,591	38								
			Total	27	100	2,141	100	5,835	100	25,106	100								

19. If you could start over again, would you go to the same institution you are now attending?

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engin, Sci, Math, CS

Angelo State University

Seniors^a in Engin, Sci, Math, CS

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
	sameinst	1	Definitely no	1	4	175	8	342	6	1,425	6	3.3							
	2	Probably no	3	11	332	15	811	14	3,451	14	3.0		.30	3.1	.22	3.1	.18		
	3	Probably yes	10	37	895	42	2,540	44	10,449	42									
	4	Definitely yes	13	48	741	35	2,143	37	9,819	39									
	Total			27	100	2,143	100	5,836	100	25,144	100								

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engin, Sci, Math, CS

Angelo State University

Engin, Sci, Math, CS

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	First-Year Students ^a								Seniors ^a							
			ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
20a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One	29	83	1,242	81	3,764	81	17,086	78	23	85	1,824	85	4,787	82	20,308	81
		More than one	6	17	291	19	868	19	4,734	22	4	15	326	15	1,065	18	4,888	19
		Total	35	100	1,533	100	4,632	100	21,820	100	27	100	2,150	100	5,852	100	25,196	100
First major or expected first major, in NSSE's default related-major categories. (This does not reflect any customization made for the Major Field Report.)	MAJfirstcol (Recoded from MAJfirst.)	Arts & Humanities	0	0	16	1	29	1	187	1	0	0	14	1	41	1	181	1
		Biological Sci., Agriculture, & Natural Resources	1	3	25	2	102	2	422	2	0	0	29	1	96	2	372	1
		Physical Sci., Mathematics, & Computer Science	22	63	797	52	2,815	61	12,162	56	24	89	1,035	48	3,596	61	13,631	54
		Social Sciences	0	0	0	0	33	1	190	1	0	0	12	1	32	1	218	1
		Business	0	0	8	1	33	1	186	1	0	0	10	0	34	1	149	1
		Communications, Media, & Public Relations	0	0	0	0	4	0	19	0	0	0	2	0	3	0	11	0
		Education	0	0	3	0	34	1	99	0	0	0	7	0	39	1	137	1
		Engineering	11	31	674	44	1,531	33	8,382	38	3	11	1,021	47	1,939	33	10,317	41
		Health Professions	1	3	6	0	13	0	59	0	0	0	6	0	14	0	41	0
		Social Service Professions	0	0	1	0	27	1	47	0	0	0	5	0	38	1	59	0
		All Other	0	0	3	0	10	0	62	0	0	0	9	0	20	0	78	0
		Undecided, Undeclared	0	0	0	0	1	0	6	0	0	0	0	0	0	0	1	0
		Total	35	100	1,533	100	4,632	100	21,821	100	27	100	2,150	100	5,852	100	25,195	100
Second major or expected second major, in NSSE's default related-major categories. (This does not reflect any customization made for the Major Field Report.)	MAJsecondcol (Recoded from MAJsecond.)	Arts & Humanities	0	0	34	12	72	8	448	9	0	0	15	5	79	7	418	9
		Biological Sci., Agriculture, & Natural Resources	0	0	12	4	44	5	197	4	0	0	19	6	74	7	274	6
		Physical Sci., Mathematics, & Computer Science	5	83	134	46	449	52	2,426	51	4	100	169	52	541	51	2,473	51
		Social Sciences	0	0	6	2	33	4	287	6	0	0	16	5	73	7	368	8
		Business	0	0	19	7	59	7	270	6	0	0	12	4	50	5	232	5
		Communications, Media, & Public Relations	0	0	2	1	8	1	27	1	0	0	1	0	4	0	28	1
		Education	0	0	4	1	22	3	108	2	0	0	2	1	46	4	134	3
		Engineering	1	17	70	24	132	15	713	15	0	0	77	24	126	12	704	14
		Health Professions	0	0	1	0	8	1	50	1	0	0	1	0	13	1	40	1
		Social Service Professions	0	0	4	1	11	1	42	1	0	0	1	0	13	1	35	1
		All Other	0	0	3	1	21	2	102	2	0	0	6	2	37	3	126	3
		Undecided, Undeclared	0	0	2	1	6	1	50	1	0	0	6	2	5	0	38	1
		Total	6	100	291	100	865	100	4,720	100	4	100	325	100	1,061	100	4,870	100
21. What is your class level?	class	Freshman/First-year	19	54	1,267	83	4,024	87	19,354	89	0	0	10	0	11	0	59	0
		Sophomore	16	46	220	14	494	11	1,911	9	0	0	48	2	45	1	320	1
		Junior	0	0	26	2	63	1	299	1	3	11	265	12	638	11	3,067	12
		Senior	0	0	12	1	12	0	66	0	23	85	1,773	83	5,004	86	21,139	84

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engin, Sci, Math, CS

Angelo State University

Engin, Sci, Math, CS

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	First-Year Students ^a								Seniors ^a								
			ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
		Unclassified	0	0	4	0	18	0	71	0	1	4	44	2	134	2	517	2	
		Total	35	100	1,529	100	4,611	100	21,701	100	27	100	2,140	100	5,832	100	25,102	100	
22.	Thinking about this current academic term, are you a full-time student?	fulltime	No	0	0	58	4	152	3	538	2	1	4	471	22	1,008	17	3,859	15
			Yes	34	100	1,463	96	4,442	97	21,061	98	26	96	1,655	78	4,793	83	21,098	85
			Total	34	100	1,521	100	4,594	100	21,599	100	27	100	2,126	100	5,801	100	24,957	100
23a.	How many courses are you taking for credit this current academic term?	coursenum	0	0	5	0	15	0	64	0	1	4	45	2	125	2	505	2	
			1	0	0	12	1	23	0	89	0	0	0	63	3	166	3	606	2
			2	1	3	14	1	54	1	172	1	0	0	123	6	392	7	1,364	5
			3	0	0	46	3	268	6	889	4	3	11	268	13	674	12	2,710	11
			4	8	23	472	31	1,233	27	6,464	30	10	37	648	30	1,658	28	7,580	30
			5	20	57	603	39	1,759	38	8,181	38	6	22	559	26	1,521	26	7,081	28
			6	6	17	234	15	759	16	3,601	17	5	19	236	11	698	12	3,066	12
			7 or more	0	0	144	9	502	11	2,257	10	2	7	199	9	598	10	2,195	9
			Total	35	100	1,530	100	4,613	100	21,717	100	27	100	2,141	100	5,832	100	25,107	100
b.	Of these, how many are entirely online?	onlinenum	0	30	86	1,289	85	4,025	88	19,166	89	22	81	1,669	78	4,684	81	20,819	83
			1	4	11	161	11	400	9	1,745	8	2	7	289	14	695	12	2,814	11
			2	1	3	44	3	89	2	354	2	3	11	102	5	246	4	817	3
			3	0	0	14	1	42	1	168	1	0	0	28	1	77	1	263	1
			4	0	0	4	0	17	0	86	0	0	0	22	1	54	1	144	1
			5	0	0	2	0	9	0	36	0	0	0	10	0	16	0	55	0
			6	0	0	3	0	4	0	16	0	0	0	8	0	12	0	45	0
			7 or more	0	0	3	0	8	0	27	0	0	0	3	0	25	0	54	0
			Total	35	100	1,520	100	4,594	100	21,598	100	27	100	2,131	100	5,809	100	25,011	100
	Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum.)	onlinecscol	No courses taken online	30	86	1,289	85	4,024	88	19,164	89	22	81	1,669	78	4,684	81	20,819	83
			Some courses taken online	4	11	209	14	495	11	2,155	10	5	19	403	19	856	15	3,510	14
			All courses taken online	1	3	22	1	74	2	277	1	0	0	59	3	269	5	682	3
			Total	35	100	1,520	100	4,593	100	21,596	100	27	100	2,131	100	5,809	100	25,011	100
24.	What have most of your grades been up to now at this institution?	grades	C- or lower	0	0	24	2	90	2	345	2	0	0	15	1	34	1	120	0
			C	2	6	47	3	128	3	568	3	0	0	81	4	178	3	661	3
			C+	2	6	63	4	188	4	825	4	2	7	133	6	297	5	1,210	5
			B-	4	11	95	6	284	6	1,267	6	1	4	215	10	458	8	1,962	8
			B	5	14	280	18	900	20	3,869	18	4	15	502	23	1,227	21	5,084	20
			B+	7	20	253	17	847	18	3,878	18	13	48	367	17	1,038	18	4,498	18
			A-	5	14	275	18	907	20	4,462	21	2	7	327	15	976	17	4,606	18
			A	10	29	490	32	1,259	27	6,451	30	5	19	498	23	1,616	28	6,927	28
			Total	35	100	1,527	100	4,603	100	21,665	100	27	100	2,138	100	5,824	100	25,068	100

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engin, Sci, Math, CS

Angelo State University

Engin, Sci, Math, CS

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
			25. Did you begin college at this institution or elsewhere?	begincol	Started here	28	80	1,354	89	4,247	92	20,124	93	17	63	946	44	3,158
		Started elsewhere	7	20	172	11	349	8	1,535	7	10	37	1,186	56	2,653	46	9,152	37
		Total	35	100	1,526	100	4,596	100	21,659	100	27	100	2,132	100	5,811	100	25,048	100
26. Since graduating from high school, which of the following types of schools have you attended <i>other than</i> the one you are now attending? (Select all that apply.)	attend_voc	Vocational or technical school	2	6	40	3	134	3	485	2	1	4	149	7	371	6	1,193	5
	attend_com	Community or junior college	7	21	204	13	341	7	1,509	7	11	42	1,224	57	2,466	43	8,256	33
	attend_col	4-year college or university other than this one	4	12	125	8	350	8	1,601	7	4	15	643	30	1,465	25	5,805	23
	attend_none	None	22	65	1,135	75	3,704	81	17,661	82	13	50	588	28	2,321	40	12,349	49
	attend_other	Other	2	6	55	4	169	4	712	3	0	0	88	4	221	4	873	3
27. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree	6	17	81	5	241	5	959	4	0	0	142	7	306	5	1,041	4
		Bachelor's degree (B.A., B.S., etc.)	12	34	499	33	1,700	37	7,263	34	8	30	757	36	2,075	36	8,524	34
		Master's degree (M.A., M.S., etc.)	12	34	594	39	1,693	37	8,572	40	11	41	793	37	2,188	38	9,797	39
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	5	14	347	23	947	21	4,825	22	8	30	440	21	1,243	21	5,676	23
		Total	35	100	1,521	100	4,581	100	21,619	100	27	100	2,132	100	5,812	100	25,038	100
28. What is the highest level of education completed by either of your parents (or those who raised you)?	parented	Did not finish high school	1	3	125	8	338	7	1,045	5	2	7	220	10	338	6	1,087	4
		High school diploma or G.E.D.	8	24	284	19	748	16	2,868	13	5	19	392	18	993	17	3,442	14
		Attended college, but did not complete degree	3	9	165	11	495	11	1,826	8	1	4	247	12	608	10	2,116	8
		Associate's degree (A.A., A.S., etc.)	3	9	110	7	429	9	1,719	8	2	7	143	7	570	10	2,216	9
		Bachelor's degree (B.A., B.S., etc.)	10	29	449	30	1,355	30	6,725	31	10	37	609	29	1,844	32	8,081	32
		Master's degree (M.A., M.S., etc.)	7	21	285	19	938	21	5,373	25	5	19	362	17	1,061	18	5,583	22
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	2	6	100	7	271	6	2,012	9	2	7	151	7	378	7	2,450	10
		Total	34	100	1,518	100	4,574	100	21,568	100	27	100	2,124	100	5,792	100	24,975	100
First-generation status (Neither parent holds a bachelor's degree.)	firstgen (Recoded from parented.)	Not first-generation	19	56	834	55	2,564	56	14,110	65	17	63	1,122	53	3,283	57	16,114	65
		First-generation	15	44	684	45	2,010	44	7,458	35	10	37	1,002	47	2,509	43	8,861	35
		Total	34	100	1,518	100	4,574	100	21,568	100	27	100	2,124	100	5,792	100	24,975	100
29. What is your gender identity?	genderid	Man	27	77	959	63	2,840	62	13,468	62	16	59	1,414	66	3,704	64	16,109	64
		Woman	8	23	516	34	1,637	36	7,611	35	9	33	657	31	1,926	33	8,143	33
		Another gender identity	0	0	25	2	70	2	296	1	0	0	32	2	74	1	342	1
		I prefer not to respond	0	0	24	2	50	1	254	1	2	7	29	1	100	2	437	2
		Total	35	100	1,524	100	4,597	100	21,629	100	27	100	2,132	100	5,804	100	25,031	100
30. Enter your year of birth	agecat	19 or younger	29	85	1,352	90	4,068	89	19,419	90	1	4	34	2	38	1	224	1

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engin, Sci, Math, CS

Angelo State University

Engin, Sci, Math, CS

First-Year Students^a

Seniors^a

Item wording or description (e.g., 1994):	Variable name	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
				(Recoded from the information entered in birthyear.)	20-23	4	12	106	7	300	7	1,543	7	21	81	1,182	56	3,665
		24-29	0	0	27	2	96	2	276	1	2	8	527	25	1,199	21	4,264	17
		30-39	1	3	16	1	55	1	170	1	2	8	270	13	622	11	1,884	8
		40-55	0	0	6	0	25	1	74	0	0	0	89	4	203	4	654	3
		Over 55	0	0	0	0	3	0	8	0	0	0	7	0	28	0	82	0
		Total	34	100	1,507	100	4,547	100	21,490	100	26	100	2,109	100	5,755	100	24,820	100
31a. Are you an international student?	internat	No	31	89	1,409	93	4,292	94	19,644	91	26	96	1,978	93	5,502	95	23,440	94
		Yes	4	11	98	7	274	6	1,856	9	1	4	145	7	276	5	1,458	6
		Total	35	100	1,507	100	4,566	100	21,500	100	27	100	2,123	100	5,778	100	24,898	100
[If answered "yes"]	countrycol	Africa Sub-Saharan	2	50	12	13	16	6	126	7	0	0	14	11	12	5	97	7
Country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file.	(Recoded from country.)	Asia	1	25	37	41	129	52	1,031	59	1	100	47	36	111	44	760	56
		Canada	0	0	2	2	1	0	27	2	0	0	1	1	6	2	22	2
		Europe	1	25	5	5	30	12	125	7	0	0	5	4	9	4	93	7
		Latin America and Caribbean	0	0	25	27	28	11	214	12	0	0	48	37	36	14	178	13
		Middle East and North Africa	0	0	9	10	44	18	206	12	0	0	15	11	79	31	204	15
		Oceania	0	0	1	1	2	1	15	1	0	0	1	1	1	0	11	1
		Unknown region/uncoded	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	4	100	91	100	250	100	1,744	100	1	100	131	100	254	100	1,365	100
32. What is your racial or ethnic identification? (Select all that apply.)	re_amin	American Indian or Alaska Native	1	3	48	3	90	2	402	2	1	4	92	4	118	2	441	2
	re_asian	Asian	3	9	210	14	634	14	3,324	15	2	7	261	12	756	13	3,046	12
	re_black	Black or African American	4	11	109	7	356	8	1,751	8	0	0	123	6	265	5	1,353	5
	re_latino	Hispanic or Latino	9	26	546	36	699	15	2,659	12	6	22	663	31	640	11	2,474	10
	re_pacific	Native Hawaiian or Other Pacific Islander	1	3	16	1	71	2	233	1	0	0	20	1	67	1	209	1
	re_white	White	21	60	719	48	2,854	62	13,996	65	18	67	1,105	52	3,977	69	17,733	71
	re_other	Other	1	3	33	2	149	3	568	3	0	0	63	3	200	3	657	3
	re_pnr	I prefer not to respond	2	6	55	4	165	4	733	3	2	7	103	5	286	5	1,178	5
Racial or ethnic identification	re_all	American Indian or Alaska Native	0	0	12	1	20	0	62	0	0	0	26	1	26	0	100	0
	(Recoded from re_amin to re_pnr where each student is represented only once.)	Asian	2	6	170	11	523	11	2,760	13	2	7	214	10	620	11	2,480	10
		Black or African American	2	6	79	5	284	6	1,369	6	0	0	97	5	202	3	1,069	4
		Hispanic or Latino	6	17	421	28	526	12	1,879	9	5	19	514	24	461	8	1,684	7
		Native Hawaiian/Other Pac. Islander	0	0	5	0	28	1	59	0	0	0	3	0	11	0	42	0
		White	18	51	548	36	2,564	56	12,494	58	16	59	877	41	3,612	62	16,184	65
		Other	0	0	19	1	97	2	355	2	0	0	41	2	133	2	400	2
		Multiracial	5	14	204	13	361	8	1,805	8	2	7	253	12	435	8	1,796	7
		I prefer not to respond	2	6	55	4	165	4	733	3	2	7	103	5	286	5	1,178	5

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engin, Sci, Math, CS

Angelo State University

Engin, Sci, Math, CS

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	ASU				Southwest Public				Carnegie Class				NSSE 2016 & 2017				ASU				Southwest Public				Carnegie Class				NSSE 2016 & 2017			
			Count		%		Count		%		Count		%		Count		%		Count		%		Count		%		Count		%		Count		%	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%				
		Total	35	100	1,513	100	4,568	100	21,516	100	27	100	2,128	100	5,786	100	24,933	100																
33.	Are you a member of a social fraternity or sorority?	greek	No	34	97	1,410	93	4,308	94	19,927	92	25	93	1,928	91	5,377	93	22,418	90															
			Yes	1	3	107	7	275	6	1,634	8	2	7	193	9	419	7	2,547	10															
			Total	35	100	1,517	100	4,583	100	21,561	100	27	100	2,121	100	5,796	100	24,965	100															
34.	Which of the following best describes where you are living while attending college?	living	Residence hall, dormitory or other camp.	23	66	799	53	2,741	60	15,024	70	5	19	213	10	864	15	4,928	20															
			Fraternity or sorority house	0	0	7	0	19	0	204	1	0	0	13	1	47	1	522	2															
			Residence (house, apartment, etc.) within walking distance to the institution	2	6	134	9	291	6	1,513	7	5	19	451	21	1,341	23	7,296	29															
			Residence (house, apartment, etc.) farther than walking distance to the institution	10	29	505	33	1,313	29	4,136	19	17	63	1,337	63	3,241	56	11,325	45															
			None of the above	0	0	67	4	195	4	619	3	0	0	106	5	293	5	854	3															
			Total	35	100	1,512	100	4,559	100	21,496	100	27	100	2,120	100	5,786	100	24,925	100															
35.	Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	33	94	1,458	97	4,195	92	19,564	91	26	96	2,070	98	5,523	95	23,482	94															
			Yes	2	6	47	3	360	8	1,902	9	1	4	47	2	266	5	1,437	6															
			Total	35	100	1,505	100	4,555	100	21,466	100	27	100	2,117	100	5,789	100	24,919	100															
36.	Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No	34	97	1,465	97	4,452	97	20,729	96	26	96	1,968	93	5,423	94	23,362	94															
			Yes	1	3	39	3	118	3	775	4	1	4	148	7	356	6	1,529	6															
			Total	35	100	1,504	100	4,570	100	21,504	100	27	100	2,116	100	5,779	100	24,891	100															
37a.	Have you been diagnosed with any disability or impairment?	disability	No	26	74	1,336	88	3,928	86	18,581	86	23	85	1,793	84	4,859	84	21,228	85															
			Yes	8	23	131	9	480	10	2,215	10	3	11	255	12	700	12	2,876	12															
			I prefer not to respond	1	3	48	3	167	4	758	4	1	4	79	4	244	4	866	3															
			Total	35	100	1,515	100	4,575	100	21,554	100	27	100	2,127	100	5,803	100	24,970	100															
b.	[If answered 'yes'] Which of the following has been diagnosed? (Select all that apply.)	dis_sense	A sensory impairment (vision or hearing)	2	25	28	22	90	19	412	19	0	0	31	12	92	13	363	13															
		dis_mobility	A mobility impairment	0	0	11	8	23	5	115	5	0	0	31	12	72	10	238	8															
		dis_learning	A learning disability (e.g., ADHD, dyslexia)	1	13	58	45	217	46	1,012	46	3	100	131	52	332	48	1,353	47															
		dis_mental	A mental health disorder	1	13	44	34	164	35	743	34	0	0	91	36	245	35	1,075	38															
		dis_other	A disability or impairment not listed above	5	63	23	18	90	19	407	19	1	33	45	18	145	21	529	18															
	Disability or impairment	disability_all	A sensory impairment	1	3	17	1	57	1	276	1	0	0	21	1	54	1	216	1															
		(Recoded from disability and	A mobility impairment	0	0	5	0	10	0	66	0	0	0	14	1	34	1	110	0															
			A learning disability	1	3	41	3	154	3	723	3	2	7	86	4	221	4	959	4															

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engin, Sci, Math, CS

Angelo State University

Engin, Sci, Math, CS

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
	dis_sense to dis_other where each student is represented only once.)	A mental health disorder	1	3	26	2	99	2	448	2	0	0	48	2	141	2	668	3
		A disability or impairment not listed	4	11	15	1	56	1	265	1	0	0	25	1	91	2	344	1
		More than one disability or impairment	1	3	26	2	96	2	422	2	1	4	59	3	154	3	563	2
		No disability or impairment	26	74	1,336	88	3,928	86	18,581	86	23	85	1,793	84	4,859	84	21,228	85
		Prefer not to respond	1	3	48	3	167	4	758	4	1	4	79	4	244	4	866	3
		Total	35	100	1,514	100	4,567	100	21,539	100	27	100	2,125	100	5,798	100	24,954	100
38.	Which of the following best describes your sexual orientation?	sexorient17																
		Straight (heterosexual)	31	89	1,003	85	2,777	86	12,299	86	21	78	1,423	87	3,801	87	14,526	86
		Bisexual	0	0	57	5	133	4	643	4	1	4	53	3	142	3	603	4
		Gay	1	3	16	1	39	1	203	1	1	4	32	2	58	1	295	2
		Lesbian	1	3	9	1	24	1	101	1	0	0	9	1	25	1	111	1
		Queer	0	0	6	1	18	1	91	1	0	0	6	0	20	0	102	1
		Questioning or unsure	2	6	15	1	47	1	206	1	0	0	9	1	27	1	150	1
		Another sexual orientation	0	0	34	3	61	2	265	2	1	4	26	2	67	2	284	2
		I prefer not to respond	0	0	46	4	134	4	546	4	3	11	85	5	225	5	796	5
		Total	35	100	1,186	100	3,233	100	14,354	100	27	100	1,643	100	4,365	100	16,867	100

Institution-reported information

(Variables provided by your institution in your NSSE population file.)

Institution-reported:	IRsex	Female	8	23	530	35	1,697	37	7,878	36	10	37	672	31	1,982	34	8,385	33
Sex		Male	27	77	1,003	65	2,935	63	13,941	64	17	63	1,478	69	3,869	66	16,810	67
		Total	35	100	1,533	100	4,632	100	21,819	100	27	100	2,150	100	5,851	100	25,195	100
Institution-reported:	IRrace	American Indian or Alaska Native	1	3	17	1	24	1	86	0	0	0	35	2	30	1	109	0
Race or ethnicity		Asian	1	3	149	10	381	9	1,625	8	1	4	171	9	443	9	1,630	7
		Black or African American	0	0	70	5	255	6	1,223	6	0	0	71	4	198	4	946	4
		Hispanic or Latino	9	26	498	35	611	15	2,162	11	7	26	612	31	519	10	2,060	9
		Native Hawaiian/Other Pac. Islander	0	0	5	0	8	0	27	0	0	0	1	0	6	0	30	0
		White	19	54	538	37	2,337	57	11,382	59	17	63	854	43	3,319	64	14,830	66
		Other	0	0	0	0	4	0	6	0	0	0	0	0	4	0	4	0
		Foreign or nonresident alien	4	11	86	6	227	5	1,482	8	1	4	131	7	255	5	1,204	5
		Two or more races/ethnicities	1	3	50	3	140	3	657	3	1	4	79	4	195	4	721	3
		Unknown	0	0	30	2	146	4	628	3	0	0	33	2	218	4	840	4
		Total	35	100	1,443	100	4,133	100	19,278	100	27	100	1,987	100	5,187	100	22,374	100
Institution-reported:	IRclass	Freshman/First-Year	35	100	1,533	100	4,632	100	21,821	100	0	0	0	0	0	0	0	0
Class level		Sophomore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engin, Sci, Math, CS

Angelo State University

Engin, Sci, Math, CS

First-Year Students^a





Seniors^a

Item wording or description	Variable name	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
		Junior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Senior	0	0	0	0	0	0	0	0	27	100	2,150	100	5,852	100	25,197	100
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	35	100	1,533	100	4,632	100	21,821	100	27	100	2,150	100	5,852	100	25,197	100
Institution-reported: First-time first-year (FTFY) student	IRftfy	Not first-time first-year	8	23	168	11	532	11	1,906	9	27	100	2,149	100	5,785	99	24,960	99
		First-time first-year	27	77	1,365	89	4,100	89	19,914	91	0	0	1	0	67	1	236	1
		Total	35	100	1,533	100	4,632	100	21,820	100	27	100	2,150	100	5,852	100	25,196	100
Institution-reported: Enrollment status	IREnrollment	Not full-time	1	3	62	4	237	5	667	3	3	11	457	21	974	17	3,416	14
		Full-time	34	97	1,471	96	4,395	95	21,154	97	24	89	1,693	79	4,878	83	21,781	86
		Total	35	100	1,533	100	4,632	100	21,821	100	27	100	2,150	100	5,852	100	25,197	100

Endnotes

- a. All results are unweighted.
- 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 is the range of values that is 95% likely to contain the true population mean, equal to the sample mean +/- 1.96 * SEM.
- 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 differ from Ns due to 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: **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).
- g. Cohen's *d*: The mean difference divided by the pooled standard deviation. 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.
- h. Percentage of students who responded "Done or in progress" except for service-learning which is the percentage who responded that at least "Some" courses included a community-based project.
- i. Percentage point differences (institution – comp. group) rounded to whole numbers. Values less than one may not display a bar and may be shown as +0 or -0.
p* < .05, *p* < .01, ****p* < .001 (*z*-test comparing participation rates).
- j. Cohen's *h*: The standardized difference between two proportions. Effect size indicates the practical importance of an observed difference. NSSE research has found that interpretations vary by HIP: For service-learning, internships, study abroad, and culminating senior experiences, an effect size of about .2 may be considered small, .5 medium, and .8 large. For learning community and research with faculty, an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015).
- k. Means calculated from ordered response options (e.g., Very Often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution. Unless otherwise noted, statistical comparisons are two-tailed independent *t*-tests. Exceptions are the dichotomous high-impact practice items (11a to 11f) which are compared using a *z*-test.
- l. Items that make up the Engagement Indicators include the following two-letter prefixes: CL = Collaborative Learning, DD = Discussions with Diverse Others, ET = Effective Teaching Practices, HO = Higher-Order Learning, LS = Learning Strategies, QI = Quality of Interactions, QR = Quantitative Reasoning, RI = Reflective and Integrative Learning, SE = Supportive Environment, and SF = Student-Faculty Interaction.
- m. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook. For items estimating number of papers and hours per week, the values represent actual units using the midpoints of response option ranges and an estimate for unbounded options.
- n. Effect size for independent *t*-tests uses Cohen's *d*; *z*-tests use Cohen's *h*.
- o. Statistical comparison uses *z*-test to compare the percentage who responded "Done or in progress."

Key to symbols:

-  **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.
-  **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.

Endnotes

Note: It is important to interpret the direction of differences relative to item wording and your institutional context.

Reference: 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.
