
Angelo State University
NSSE 2015 Major Field Report, Part II
Comparisons to Other Institutions
Phys 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 'Phys Sci, Math, CS' includes the following majors: Physical sciences (general); Astronomy; Atmospheric science (including meteorology); Chemistry; Computer science; Earth science (including geology); Mathematics; Physics; Statistics; Other physical sciences.

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 or viewing the report in Print Preview will improve on-screen display.

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: Phys 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 majors (first major given if two were reported) were identified from the survey. Your institution had the option to customize how these were grouped, using up to ten related-major groups. Institutions choosing not to customize their related-major groups 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.

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 20 respondents in a given class are not reported (columns are blank). Comparison groups must also contain at least 20 respondents in the major category, or they remain blank. Although 20 is a minimum requirement, 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, the Major Field Report results are unweighted.

Report Sections

Engagement Indicators (pp. 3-7)	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 (p. 8)	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 (pp. 9-44)	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 (pp. 45-51)	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.

First-Year Students in Phys Sci, Math, CS

Seniors in Phys Sci, Math, CS

Theme	Engagement Indicator	First-Year Students in Phys Sci, Math, CS			Seniors in Phys 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 2014 & 2015	Your seniors compared with Southwest Public	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2014 & 2015
Academic Challenge	Higher-Order Learning	--	--	--	--	--	--
	Reflective & Integrative Learning	--	--	--	--	--	--
	Learning Strategies	--	--	--	--	--	--
	Quantitative Reasoning	--	--	--	--	--	--
Learning with Peers	Collaborative Learning	--	--	--	--	--	--
	Discussions with Diverse Others	--	--	--	--	--	--
Experiences with Faculty	Student-Faculty Interaction	▲	▲	▲	--	--	--
	Effective Teaching Practices	▲	▲	▲	--	--	--
Campus Environment	Quality of Interactions	▲	--	--	--	--	--
	Supportive Environment	--	--	--	--	--	--

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Phys Sci, Math, CS

Angelo State University

First-year students^a in Phys 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 = 24)	39.2	11.5	2.34	25	30	40	50	60				
Southwest Public	38.0	14.4	.65	15	25	40	50	60	516	1.2		.082
Carnegie Class	39.1	13.3	.47	15	30	40	50	60	806	.0		.004
NSSE 2014 & 2015	39.8	13.3	.13	20	30	40	50	60	10,277	-6		-.046
Reflective & Integrative Learning												
ASU (N = 25)	34.0	11.2	2.25	17	29	31	40	54				
Southwest Public	33.2	12.5	.56	14	23	34	40	54	529	.8		.060
Carnegie Class	34.0	11.9	.42	17	26	34	40	57	821	.0		.004
NSSE 2014 & 2015	34.8	12.2	.12	17	26	34	43	57	10,512	-8		-.067
Learning Strategies												
ASU (N = 25)	41.6	13.8	2.76	20	33	40	53	60				
Southwest Public	36.9	14.5	.65	13	27	33	47	60	522	4.7		.325
Carnegie Class	38.1	14.1	.50	20	27	40	47	60	808	3.5		.251
NSSE 2014 & 2015	38.4	14.0	.14	20	27	40	47	60	10,322	3.2		.225
Quantitative Reasoning												
ASU (N = 25)	29.3	13.7	2.75	7	20	27	40	53				
Southwest Public	30.9	16.2	.72	0	20	33	40	60	531	-1.6		-.099
Carnegie Class	30.5	15.7	.56	7	20	27	40	60	817	-1.2		-.075
NSSE 2014 & 2015	31.2	16.0	.16	7	20	33	40	60	10,462	-1.9		-.116
Learning with Peers												
Collaborative Learning												
ASU (N = 25)	34.0	15.4	3.08	5	30	35	40	55				
Southwest Public	30.8	13.8	.61	10	20	30	40	55	529	3.2		.226
Carnegie Class	32.4	13.2	.47	15	20	30	40	60	808	1.6		.121
NSSE 2014 & 2015	33.3	13.8	.14	10	25	35	40	60	10,360	.7		.047
Discussions with Diverse Others												
ASU (N = 25)	37.6	17.9	3.58	5	30	40	50	60				
Southwest Public	39.9	16.3	.72	15	25	40	55	60	530	-2.3		-.138
Carnegie Class	39.5	15.9	.57	10	30	40	55	60	814	-1.9		-.122
NSSE 2014 & 2015	41.3	15.5	.15	15	30	40	55	60	10,434	-3.7		-.240

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Phys Sci, Math, CS

Angelo State University

First-year students^a in Phys 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
Experiences with Faculty												
Student-Faculty Interaction												
ASU (N = 25)	27.2	15.1	3.01	5	15	30	40	50				
Southwest Public	17.1	14.3	.64	0	5	15	25	40	525	10.1	***	.705
Carnegie Class	20.9	14.2	.50	0	10	20	30	50	812	6.3	*	.447
NSSE 2014 & 2015	20.7	14.5	.14	0	10	20	30	50	10,399	6.5	*	.451
Effective Teaching Practices												
ASU (N = 25)	46.7	10.3	2.06	32	40	48	56	60				
Southwest Public	39.2	13.5	.60	16	30	40	48	60	529	7.5	**	.560
Carnegie Class	41.4	12.6	.44	20	32	40	52	60	821	5.3	*	.423
NSSE 2014 & 2015	41.0	12.6	.12	20	32	40	52	60	10,540	5.7	*	.456
Campus Environment												
Quality of Interactions												
ASU (N = 24)	46.2	9.1	1.85	28	42	46	52	58				
Southwest Public	40.7	12.8	.58	18	32	42	50	60	28	5.5	**	.431
Carnegie Class	42.9	11.7	.42	22	36	44	50	60	786	3.3		.288
NSSE 2014 & 2015	42.8	11.7	.12	20	36	44	50	60	10,011	3.4		.286
Supportive Environment												
ASU (N = 23)	39.3	14.1	2.94	20	30	38	50	60				
Southwest Public	35.5	14.0	.62	13	25	35	45	60	525	3.8		.274
Carnegie Class	36.9	13.1	.46	18	28	38	45	60	811	2.5		.190
NSSE 2014 & 2015	37.7	13.2	.13	15	28	38	48	60	10,427	1.6		.123

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Engagement Indicators: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys 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 = 22)	43.9	12.2	2.61	30	35	43	55	60				
Southwest Public	38.8	15.0	.55	10	30	40	50	60	763	5.1		.338
Carnegie Class	39.9	13.6	.43	15	30	40	50	60	1,032	3.9		.289
NSSE 2014 & 2015	39.5	14.0	.13	15	30	40	50	60	12,174	4.4		.314
Reflective & Integrative Learning												
ASU (N = 22)	37.0	10.5	2.23	20	31	39	46	51				
Southwest Public	32.7	13.0	.47	11	23	31	40	57	774	4.3		.331
Carnegie Class	33.9	12.7	.39	14	26	34	40	57	1,060	3.1		.243
NSSE 2014 & 2015	33.8	12.8	.11	14	26	34	43	57	12,431	3.2		.247
Learning Strategies												
ASU (N = 21)	37.8	13.9	3.03	20	27	40	47	60				
Southwest Public	37.4	15.1	.56	13	27	40	47	60	754	.3		.022
Carnegie Class	37.8	14.7	.46	13	27	40	47	60	1,047	.0		.001
NSSE 2014 & 2015	37.3	15.0	.14	13	27	40	47	60	12,264	.5		.032
Quantitative Reasoning												
ASU (N = 22)	34.8	15.8	3.37	13	27	33	47	60				
Southwest Public	32.1	17.4	.64	0	20	33	43	60	768	2.7		.158
Carnegie Class	35.5	16.8	.52	7	20	33	47	60	1,055	-.6		-.037
NSSE 2014 & 2015	35.2	17.1	.15	7	20	33	47	60	12,396	-.4		-.023
Learning with Peers												
Collaborative Learning												
ASU (N = 21)	40.2	14.4	3.13	20	30	40	55	60				
Southwest Public	34.3	14.9	.55	10	25	35	45	60	763	6.0		.399
Carnegie Class	35.1	14.4	.45	10	25	35	45	60	1,051	5.2		.357
NSSE 2014 & 2015	34.8	14.6	.13	10	25	35	45	60	12,302	5.4		.370
Discussions with Diverse Others												
ASU (N = 22)	44.8	13.3	2.84	25	35	40	60	60				
Southwest Public	41.8	16.6	.61	10	30	40	60	60	762	2.9		.178
Carnegie Class	39.6	16.3	.51	10	30	40	55	60	1,053	5.1		.317
NSSE 2014 & 2015	40.2	16.3	.15	10	30	40	55	60	12,321	4.6		.283

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys 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
Experiences with Faculty												
Student-Faculty Interaction												
ASU (N = 22)	24.8	15.5	3.30	0	15	25	35	45				
Southwest Public	22.7	16.2	.60	0	10	20	35	55	761	2.1		.127
Carnegie Class	26.5	16.4	.51	0	15	25	40	60	1,055	-1.8		-.107
NSSE 2014 & 2015	25.9	16.7	.15	0	15	25	40	60	12,285	-1.1		-.065
Effective Teaching Practices												
ASU (N = 22)	43.6	12.9	2.75	24	32	42	56	60				
Southwest Public	38.2	14.1	.51	12	28	40	48	60	774	5.4		.386
Carnegie Class	41.7	12.9	.40	20	32	40	52	60	1,066	2.0		.154
NSSE 2014 & 2015	39.8	13.5	.12	16	32	40	52	60	12,473	3.8		.284
Campus Environment												
Quality of Interactions												
ASU (N = 22)	44.5	9.5	2.03	32	36	46	50	60				
Southwest Public	42.0	11.8	.44	20	35	43	50	60	739	2.5		.212
Carnegie Class	44.3	10.9	.34	24	38	46	52	60	1,026	.2		.019
NSSE 2014 & 2015	42.3	11.5	.11	20	36	44	50	60	11,939	2.2		.189
Supportive Environment												
ASU (N = 22)	36.5	11.2	2.38	18	33	35	43	55				
Southwest Public	31.4	14.4	.53	8	20	33	40	58	767	5.0		.350
Carnegie Class	33.7	13.8	.43	10	25	35	43	60	1,058	2.8		.201
NSSE 2014 & 2015	32.9	14.0	.13	10	23	33	43	60	12,373	3.6		.259

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

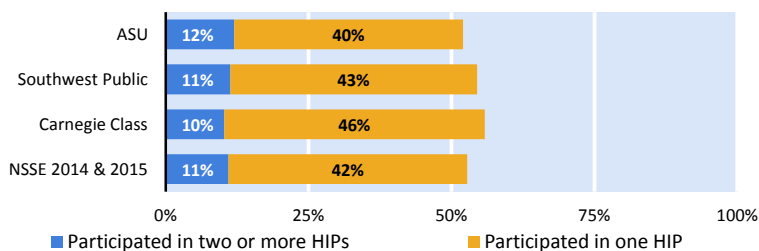
High-Impact Practices: Phys Sci, Math, CS

Angelo State University

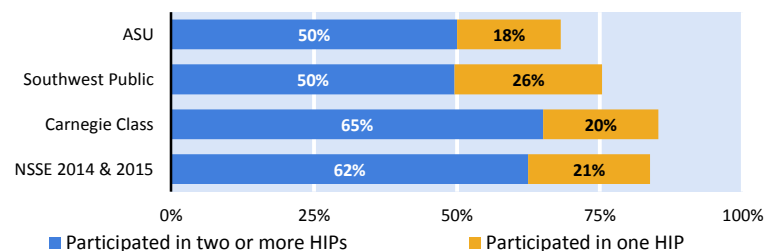
Overall HIP Participation^a

The figures below display the percentage^h of students who participated in High-Impact Practices. Both figures include participation in a learning community, service-learning, 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 of students who participated in at least two HIPs, and the full bar (both colors) represents the percentage who participated in at least one.

First-Year Students in Phys Sci, Math, CS



Seniors in Phys Sci, Math, CS



Statistical Comparisons^a

The table below compares the percentage^h of your students who participated in a High-Impact Practice, including the percentage who participated overall (at least one, two or more), with those at institutions in your comparison groups.

	ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
	%		% ⁱ	Effect size ^j	% ⁱ	Effect size ^j	% ⁱ	Effect size ^j
<i>First-Year Students in Phys Sci, Math, CS</i>								
11c. Learning community	8		14	-.20	13	-.16	14	-.21
12. Service-learning	52		48	.08	51	.02	45	.15
11e. Research with faculty	4		6	-.09	5	-.03	7	-.13
Participated in at least one	52		54	-.05	56	-.08	53	-.02
Participated in two or more	12		11	.02	10	.06	11	.03
<i>Seniors in Phys Sci, Math, CS</i>								
11c. Learning community	27		21	.14	23	.10	22	.13
12. Service-learning	43		36	.13	55	-.24	43	-.01
11e. Research with faculty	27		37	-.21	40	-.27	43	-.34
11a. Internship or field exp.	23		40	-.37	47 *	-.51	49 *	-.56
11d. Study abroad	5		6	-.08	11	-.25	14	-.32
11f. Culminating senior exp.	36		35	.04	48	-.24	48	-.23
Participated in at least one	68		75	-.16	85 *	-.41	84 *	-.37
Participated in two or more	50		50	.01	65	-.31	62	-.25

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k							
				ASU				NSSE 2014 & 2015				Your first-year students compared with							
Item wording or description	Variable name ^l	Values ^m	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
				Count	%	Count	%	Count	%	Count	%	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	1	4	35	7	14	2	319	3	2.6	2.6	-.01	2.9	-.28	2.9	-.30	
		2	Sometimes	10	40	207	41	287	36	3,533	34								
		3	Often	11	44	172	34	286	36	3,648	35								
		4	Very often	3	12	96	19	214	27	3,041	29								
		Total		25	100	510	100	801	100	10,541	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	3	12	107	21	169	21	1,931	18	2.6	2.4	.24	2.4	.23	2.4	.17	
		2	Sometimes	8	32	188	37	279	35	3,840	37								
		3	Often	10	40	135	26	225	28	2,938	28								
		4	Very often	4	16	80	16	122	15	1,798	17								
		Total		25	100	510	100	795	100	10,507	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	2	8	28	6	38	5	512	5	3.1	3.0	.16	3.1	.02	3.0	.07	
		2	Often	2	8	72	14	98	12	1,327	13								
		3	Sometimes	13	52	299	59	434	54	6,010	57								
		4	Never	8	32	108	21	227	28	2,651	25								
		Total		25	100	507	100	797	100	10,500	100								
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1	Never	10	40	212	41	268	34	3,499	33	1.9	1.8	.06	2.0	-.10	2.0	-.12	
		2	Sometimes	9	36	201	39	330	42	4,408	42								
		3	Often	5	20	70	14	141	18	1,793	17								
		4	Very often	1	4	28	5	52	7	789	8								
		Total		25	100	511	100	791	100	10,489	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	4	16	60	12	65	8	904	9	2.6	2.5	.13	2.6	.02	2.6	-.01	
		2	Sometimes	6	24	216	42	333	42	4,208	40								
		3	Often	11	44	158	31	266	33	3,474	33								
		4	Very often	4	16	75	15	133	17	1,908	18								
		Total		25	100	509	100	797	100	10,494	100								
f. Explained course material to one or more students	CLexplain	1	Never	2	8	27	5	15	2	319	3	3.0	2.7	.27	2.8	.16	2.9	.11	
		2	Sometimes	5	20	182	36	279	35	3,264	31								
		3	Often	10	40	202	40	326	41	4,331	41								
		4	Very often	8	32	100	20	178	22	2,575	25								
		Total		25	100	511	100	798	100	10,489	100								

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Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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		Mean	Effect size ⁿ	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	5	20	93	18	110	14	1,456	14	2.5	2.4	.08	2.5	.00	2.6	-.08	
		2	Sometimes	9	36	199	39	331	41	3,823	36								
		3	Often	5	20	138	27	221	28	3,165	30								
		4	Very often	6	24	81	16	136	17	2,074	20								
		Total		25	100	511	100	798	100	10,518	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	1	4	46	9	65	8	748	7	2.8	2.5	.26	2.6	.22	2.6	.14	
		2	Sometimes	8	32	215	42	337	42	4,163	40								
		3	Often	12	48	176	34	265	33	3,741	36								
		4	Very often	4	16	74	14	127	16	1,849	18								
		Total		25	100	511	100	794	100	10,501	100								
i. Given a course presentation	present	1	Never	3	12	142	28	165	21	2,284	22	2.2	2.0	.26	2.2	.04	2.1	.06	
		2	Sometimes	16	64	251	49	396	50	5,178	49								
		3	Often	4	16	91	18	173	22	2,186	21								
		4	Very often	2	8	24	5	61	8	825	8								
		Total		25	100	508	100	795	100	10,473	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	13	39	8	51	6	715	7	2.5	2.6	-.16	2.6	-.19	2.6	-.21	
		2	Sometimes	11	46	206	41	328	41	4,163	40								
		3	Often	6	25	181	36	298	37	3,843	37								
		4	Very often	4	17	79	16	122	15	1,783	17								
		Total		24	100	505	100	799	100	10,504	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	3	12	73	14	80	10	1,073	10	2.5	2.4	.15	2.5	.03	2.5	.01	
		2	Sometimes	10	40	219	43	348	44	4,447	43								
		3	Often	8	32	156	31	260	33	3,433	33								
		4	Very often	4	16	57	11	106	13	1,499	14								
		Total		25	100	505	100	794	100	10,452	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	1	4	88	17	105	13	1,231	12	2.3	2.3	-.03	2.4	-.12	2.5	-.19	
		2	Sometimes	17	68	212	42	351	44	4,357	42								
		3	Often	5	20	148	29	241	30	3,415	33								
		4	Very often	2	8	58	11	100	13	1,474	14								
		Total		25	100	506	100	797	100	10,477	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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		Mean	Effect size ⁿ	
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	0	0	33	7	55	7	574	5	2.7	2.7	.01	2.7	.05	2.8	-.05	
		2	Sometimes	9	36	164	32	284	36	3,387	32								
		3	Often	14	56	222	44	314	40	4,437	42								
		4	Very often	2	8	86	17	137	17	2,071	20								
		Total		25	100	505	100	790	100	10,469	100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	1	4	33	7	29	4	431	4	3.1	2.8	.31	2.8	.32	2.9	.26	
		2	Sometimes	4	16	158	31	255	32	3,123	30								
		3	Often	12	48	188	37	342	43	4,370	42								
		4	Very often	8	32	126	25	171	21	2,536	24								
		Total		25	100	505	100	797	100	10,460	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	2	8	20	4	27	3	400	4	2.6	2.8	-.17	2.8	-.20	2.8	-.23	
		2	Sometimes	11	44	181	36	274	35	3,364	32								
		3	Often	6	24	194	38	325	41	4,348	42								
		4	Very often	6	24	109	22	168	21	2,347	22								
		Total		25	100	504	100	794	100	10,459	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	1	4	17	3	10	1	172	2	3.2	3.0	.19	3.1	.13	3.1	.09	
		2	Sometimes	5	20	118	23	192	24	2,136	20								
		3	Often	8	32	215	43	335	42	4,664	45								
		4	Very often	11	44	153	30	260	33	3,466	33								
		Total		25	100	503	100	797	100	10,438	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	5	20	161	32	171	21	2,479	24	2.4	2.0 *	.44	2.2	.22	2.2	.22	
		2	Sometimes	8	32	226	45	397	50	4,844	46								
		3	Often	10	40	89	18	152	19	2,138	20								
		4	Very often	2	8	31	6	76	10	1,014	10								
		Total		25	100	507	100	796	100	10,475	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	9	36	296	59	420	53	5,281	51	1.9	1.6	.37	1.7	.24	1.7	.19	
		2	Sometimes	10	40	135	27	229	29	3,201	31								
		3	Often	5	20	51	10	104	13	1,310	13								
		4	Very often	1	4	23	5	42	5	665	6								
		Total		25	100	505	100	795	100	10,457	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

Item wording or description				Frequency Distributions								Statistical Comparisons ^k									
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Your first-year students compared with							
				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				Variable name ^l	Values ^m	Response options															
				SFdiscuss	1	Never	3	12	188	37	188	24	2,805	27	2.6	1.9 ***	.78	2.2 *	.48	2.1 **	.52
					2	Sometimes	10	40	203	40	369	47	4,557	44							
					3	Often	6	24	83	16	152	19	2,081	20							
					4	Very often	6	24	30	6	83	10	999	10							
	Total		25	100	504	100	792	100	10,442	100											
d. Discussed your academic performance with a faculty member				SFperform	1	Never	1	4	182	36	180	23	2,682	26	2.6	1.9 ***	.72	2.1 *	.49	2.1 *	.51
					2	Sometimes	13	52	206	41	389	49	4,814	46							
					3	Often	7	28	86	17	157	20	2,078	20							
					4	Very often	4	16	31	6	66	8	864	8							
					Total		25	100	505	100	792	100	10,438	100							
4. During the current school year, how much has your coursework emphasized the following?																					
a. Memorizing course material				memorize	1	Very little	0	0	21	4	34	4	456	4	2.8	2.9	-.05	2.9	-.03	2.9	-.03
					2	Some	9	36	143	28	217	27	2,961	28							
					3	Quite a bit	11	44	215	43	375	47	4,577	44							
					4	Very much	5	20	126	25	174	22	2,491	24							
					Total		25	100	505	100	800	100	10,485	100							
b. Applying facts, theories, or methods to practical problems or new situations				HOapply	1	Very little	0	0	28	6	15	2	269	3	3.2	3.0	.23	3.1	.04	3.1	.04
					2	Some	2	8	110	22	144	18	1,823	17							
					3	Quite a bit	16	67	214	42	355	44	4,572	44							
					4	Very much	6	25	152	30	285	36	3,806	36							
					Total		24	100	504	100	799	100	10,470	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts				HOanalyze	1	Very little	0	0	22	4	25	3	354	3	3.0	3.0	.03	3.0	.00	3.0	-.06
					2	Some	6	24	127	25	197	25	2,258	22							
					3	Quite a bit	13	52	195	39	325	41	4,355	42							
					4	Very much	6	24	157	31	250	31	3,459	33							
					Total		25	100	501	100	797	100	10,426	100							
d. Evaluating a point of view, decision, or information source				HOevaluate	1	Very little	1	4	36	7	49	6	558	5	2.8	2.8	-.06	2.8	-.05	2.9	-.11
					2	Some	10	40	141	28	238	30	2,939	28							
					3	Quite a bit	8	32	209	42	329	41	4,388	42							
					4	Very much	6	24	117	23	182	23	2,548	24							
					Total		25	100	503	100	798	100	10,433	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
												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	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	1	4	33	7	48	6	515	5	2.9	2.8	.05	2.9	.00	2.9	-.04	
		2	Some	6	24	135	27	194	24	2,681	26								
		3	Quite a bit	13	52	213	43	353	45	4,436	43								
		4	Very much	5	20	120	24	198	25	2,789	27								
		Total		25	100	501	100	793	100	10,421	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	8	2	14	2	167	2	3.3	3.2	.14	3.2	.15	3.2	.14	
		2	Some	3	12	85	17	128	16	1,659	16								
		3	Quite a bit	12	48	222	44	364	46	4,840	46								
		4	Very much	10	40	190	38	292	37	3,853	37								
		Total		25	100	505	100	798	100	10,519	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	0	0	16	3	17	2	171	2	3.4	3.1	.34	3.2	.30	3.2	.31	
		2	Some	2	8	86	17	121	15	1,645	16								
		3	Quite a bit	11	44	219	43	368	46	4,915	47								
		4	Very much	12	48	185	37	293	37	3,765	36								
		Total		25	100	506	100	799	100	10,496	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	0	0	17	3	17	2	237	2	3.4	3.1	.40	3.2	.26	3.2	.29	
		2	Some	3	12	119	24	126	16	1,818	17								
		3	Quite a bit	9	36	183	36	333	42	4,339	41								
		4	Very much	13	52	184	37	319	40	4,084	39								
		Total		25	100	503	100	795	100	10,478	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	0	0	49	10	49	6	771	7	3.3	2.7 ***	.58	2.9 **	.45	2.9 **	.46	
		2	Some	2	8	165	33	231	29	2,982	28								
		3	Quite a bit	14	56	162	32	281	35	3,684	35								
		4	Very much	9	36	129	26	234	29	3,050	29								
		Total		25	100	505	100	795	100	10,487	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	0	0	53	11	37	5	668	6	3.3	2.7 **	.67	2.9 *	.45	2.9 *	.51	
		2	Some	5	20	154	31	212	27	2,868	27								
		3	Quite a bit	7	28	186	37	313	39	4,100	39								
		4	Very much	13	52	111	22	231	29	2,810	27								
		Total		25	100	504	100	793	100	10,446	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k						
				ASU				NSSE 2014 & 2015				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
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	8	32	6	55	7	747	7	2.8	2.9	-.07	2.8	-.03	2.9	-.07
		2	Sometimes	7	28	148	29	221	28	2,870	27							
		3	Often	10	40	187	37	332	42	4,018	38							
		4	Very often	6	24	143	28	192	24	2,892	27							
			Total	25	100	510	100	800	100	10,527	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	3	12	96	19	148	19	2,073	20	2.3	2.4	-.06	2.4	-.06	2.4	-.07
		2	Sometimes	12	48	204	40	320	40	3,960	38							
		3	Often	9	36	128	25	210	26	2,794	27							
		4	Very often	1	4	81	16	121	15	1,684	16							
			Total	25	100	509	100	799	100	10,511	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	3	12	90	18	132	17	1,642	16	2.3	2.4	-.12	2.4	-.11	2.4	-.16
		2	Sometimes	14	56	199	39	331	42	4,182	40							
		3	Often	6	24	153	30	234	29	3,173	30							
		4	Very often	2	8	67	13	99	12	1,480	14							
			Total	25	100	509	100	796	100	10,477	100							
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)																		
a. Up to 5 pages	wrshortnum	0	None	4	17	36	7	35	4	462	4	3.8	5.6	-.35	6.9 ***	-0.53	6.9 ***	-0.54
	(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	7	29	120	24	152	19	1,827	18							
		4	3-5	7	29	173	34	250	32	3,436	33							
		8	6-10	5	21	111	22	193	24	2,562	25							
		13	11-15	1	4	29	6	82	10	1,034	10							
		18	16-20	0	0	17	3	35	4	489	5							
		23	More than 20	0	0	16	3	41	5	553	5							
			Total	24	100	502	100	788	100	10,363	100							
b. Between 6 and 10 pages	wrmednum	0	None	16	67	207	43	254	33	3,277	33	1.1	1.6	-.23	1.9	-.30	2.0	-.34
	(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	6	25	182	38	356	47	4,375	44							
		4	3-5	1	4	57	12	106	14	1,678	17							
		8	6-10	0	0	22	5	34	4	528	5							
		13	11-15	1	4	8	2	8	1	98	1							
		18	16-20	0	0	0	0	4	1	39	0							
		23	More than 20	0	0	0	0	3	0	36	0							
			Total	24	100	476	100	765	100	10,031	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions						Statistical Comparisons ^k									
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
				Count		Count		Count		Count		Mean		Mean		Mean		Mean	
				%		%		%		%		Effect size ⁿ		Effect size ⁿ		Effect size ⁿ		Effect size ⁿ	
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	
c. 11 pages or more	wrlongnum	0	None	21	91	381	83	591	79	7,473	77	.1	.5	-.22	.7	-.23	.6	-.24	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	2	9	56	12	117	16	1,726	18								
	4	3-5	0	0	15	3	19	3	260	3									
	8	6-10	0	0	4	1	9	1	104	1									
	13	11-15	0	0	3	1	1	0	46	0									
	18	16-20	0	0	2	0	4	1	20	0									
	23	More than 20	0	0	0	0	4	1	37	0									
	Total			23	100	461	100	745	100	9,666	100								
Estimated number of assigned pages of student writing.	wpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									17.4	36.0 *	-.43	45.4 *	-.47	45.3 ***	-.53	
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	3	12	25	5	50	6	456	4	2.9	3.1	-.18	3.0	-.07	3.1	-.21	
		2	Sometimes	5	20	117	23	212	27	2,450	23								
		3	Often	8	32	157	31	233	29	3,130	30								
		4	Very often	9	36	213	42	301	38	4,480	43								
			Total	25	100	512	100	796	100	10,516	100								
b. People from an economic background other than your own	DDeconomic	1	Never	4	16	21	4	43	5	428	4	2.9	3.0	-.13	3.0	-.14	3.1	-.25	
		2	Sometimes	3	12	141	28	197	25	2,272	22								
		3	Often	10	40	167	33	267	34	3,583	34								
		4	Very often	8	32	181	35	287	36	4,207	40								
			Total	25	100	510	100	794	100	10,490	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	3	12	37	7	52	7	604	6	2.8	3.0	-.17	3.0	-.15	3.1	-.24	
		2	Sometimes	7	28	123	24	198	25	2,416	23								
		3	Often	6	24	153	30	261	33	3,142	30								
		4	Very often	9	36	199	39	283	36	4,340	41								
			Total	25	100	512	100	794	100	10,502	100								
d. People with political views other than your own	DDpolitical	1	Never	3	12	42	8	65	8	653	6	2.9	2.9	-.01	2.9	-.05	3.0	-.11	
		2	Sometimes	5	20	138	27	203	26	2,724	26								
		3	Often	9	36	163	32	244	31	3,214	31								
		4	Very often	8	32	166	33	279	35	3,867	37								
			Total	25	100	509	100	791	100	10,458	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k														
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015								
<i>Item wording or description</i>	<i>Variable name^l</i>	<i>Values^m</i>	<i>Response options</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Mean</i>	<i>Mean</i>	<i>Effect sizeⁿ</i>	<i>Mean</i>	<i>Effect sizeⁿ</i>	<i>Mean</i>	<i>Effect sizeⁿ</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	13	3	16	2	208	2	3.2	3.0	.15	3.1	.09	3.1	.04								
		2	Sometimes	5	20	114	22	159	20	1,967	19															
		3	Often	11	44	220	43	355	45	4,568	44															
		4	Very often	9	36	160	32	264	33	3,755	36															
			Total	25	100	507	100	794	100	10,498	100															
b. Reviewed your notes after class	LSnotes	1	Never	2	8	29	6	47	6	591	6	3.0	2.8	.22	2.9	.15	2.9	.15								
		2	Sometimes	5	20	177	35	252	32	3,343	32															
		3	Often	9	36	165	33	260	33	3,422	33															
		4	Very often	9	36	136	27	235	30	3,108	30															
			Total	25	100	507	100	794	100	10,464	100															
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	1	4	49	10	62	8	798	8	3.1	2.7 *	.40	2.8	.34	2.8	.34								
		2	Sometimes	5	20	171	34	257	33	3,313	32															
		3	Often	10	40	166	33	268	34	3,678	36															
		4	Very often	9	36	119	24	198	25	2,563	25															
			Total	25	100	505	100	785	100	10,352	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	0	0	3	0	40	0	5.6	5.4	.17	5.4	.11	5.5	.07								
		2		1	4	8	2	11	1	168	2															
		3		0	0	27	5	35	4	401	4															
		4		2	8	63	12	88	11	1,054	10															
		5		9	36	180	35	267	34	3,345	32															
		6		7	28	135	27	237	30	3,404	32															
		7	Very much	6	24	95	19	156	20	2,101	20															
			Total	25	100	508	100	797	100	10,513	100															
11. Which of the following have you done or do you plan to do before you graduate?^o																										
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern		Have not decided	8	32	71	14	111	14	1,152	11								8%	10%	-.06	8%	.00	8%	.01	
			Do not plan to do	0	0	21	4	36	5	372	4															
			Plan to do	15	60	368	72	587	73	8,167	78															
			Done or in progress	2	8	49	10	65	8	817	8															
			Total	25	100	509	100	799	100	10,508	100															

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

			Frequency Distributions								Statistical Comparisons ^k							
			ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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
b. Hold a formal leadership role in a student organization or group	leader		Have not decided	9	36	124	24	234	29	2,864	27	8%	9%	-.04	14%	-.18	12%	-.14
			Do not plan to do	11	44	160	32	201	25	2,524	24							
			Plan to do	3	12	177	35	254	32	3,832	37							
			Done or in progress	2	8	46	9	109	14	1,269	12							
			Total	25	100	507	100	798	100	10,489	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom		Have not decided	8	32	170	34	281	35	3,404	33	8%	14%	-.20	13%	-.16	14%	-.21
			Do not plan to do	10	40	125	25	236	30	3,114	30							
			Plan to do	5	20	137	27	175	22	2,419	23							
			Done or in progress	2	8	71	14	101	13	1,512	14							
			Total	25	100	503	100	793	100	10,449	100							
d. Participate in a study abroad program	abroad		Have not decided	10	40	134	26	247	31	2,955	28	0%	4%	-.38	4%	-.38	4%	-.38
			Do not plan to do	10	40	169	33	248	31	2,974	28							
			Plan to do	5	20	186	37	270	34	4,167	40							
			Done or in progress	0	0	18	4	28	4	368	4							
			Total	25	100	507	100	793	100	10,464	100							
e. Work with a faculty member on a research project	research		Have not decided	10	40	177	35	318	40	3,569	34	4%	6%	-.09	5%	-.03	7%	-.13
			Do not plan to do	3	12	71	14	112	14	1,298	12							
			Plan to do	11	44	228	45	325	41	4,843	46							
			Done or in progress	1	4	30	6	36	5	724	7							
			Total	25	100	506	100	791	100	10,434	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone		Have not decided	12	50	147	29	248	31	3,079	29	0%	3%	-.32	3%	-.36	3%	-.32
			Do not plan to do	2	8	57	11	70	9	764	7							
			Plan to do	10	42	286	57	450	57	6,329	61							
			Done or in progress	0	0	13	3	26	3	271	3							
			Total	24	100	503	100	794	100	10,443	100							
12. About how many of your courses at this institution have included a community-based project (service-learning)?																		
	servcourse		1 None	12	48	260	52	388	49	5,766	55	1.5	1.6	-.08	1.6	-.10	1.5	.01
			2 Some	13	52	208	41	356	45	4,056	39							
			3 Most	0	0	23	5	40	5	476	5							
			4 All	0	0	11	2	8	1	106	1							
			Total	25	100	502	100	792	100	10,404	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
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	
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	QIstudent	1	Poor	1	4	10	2	5	1	150	1	5.3	5.4	-.09	5.6	-.21	5.5	-.20	
		2		0	0	13	3	23	3	221	2								
		3		1	4	27	5	26	3	456	4								
		4		5	20	58	11	91	11	1,062	10								
		5		5	20	129	25	185	23	2,503	24								
		6		8	32	139	27	254	32	3,255	31								
		7	Excellent	5	20	130	25	208	26	2,829	27								
		—	Not applicable	0	0	5	1	7	1	57	1								
			Total	25	100	511	100	799	100	10,533	100								
b. Academic advisors	QIadvisor	1	Poor	0	0	21	4	23	3	342	3	6.0	5.1 *	.52	5.3 *	.40	5.3 *	.43	
		2		1	4	26	5	35	4	483	5								
		3		1	4	37	7	52	7	712	7								
		4		2	8	80	16	93	12	1,340	13								
		5		2	8	109	21	161	20	1,996	19								
		6		7	28	98	19	187	23	2,485	24								
		7	Excellent	12	48	131	26	228	29	2,852	27								
		—	Not applicable	0	0	9	2	19	2	312	3								
			Total	25	100	511	100	798	100	10,522	100								
c. Faculty	QIfaculty	1	Poor	0	0	14	3	10	1	158	2	6.2	5.2 ***	.62	5.4 ***	.55	5.5 ***	.51	
		2		0	0	19	4	16	2	275	3								
		3		0	0	34	7	50	6	518	5								
		4		1	4	71	14	87	11	1,177	11								
		5		1	4	106	21	195	25	2,380	23								
		6		16	64	144	28	240	30	3,295	31								
		7	Excellent	7	28	112	22	186	24	2,552	24								
		—	Not applicable	0	0	9	2	7	1	109	1								
			Total	25	100	509	100	791	100	10,464	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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		Mean	Effect size ⁿ	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	0	0	35	7	29	4	372	4	5.3	4.8	.25	5.0	.15	5.1	.10	
		2		0	0	28	6	36	5	421	4								
		3		3	12	36	7	64	8	672	6								
		4		2	8	62	12	88	11	1,357	13								
		5		7	28	102	20	164	21	2,143	20								
		6		6	24	94	19	173	22	2,397	23								
		7	Excellent	4	16	91	18	145	18	2,048	20								
		—	Not applicable	3	12	59	12	95	12	1,073	10								
Total				25	100	507	100	794	100	10,483	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	0	0	26	5	28	4	417	4	5.2	4.8	.24	5.1	.09	5.0	.12	
		2		1	4	32	6	38	5	479	5								
		3		3	12	41	8	55	7	741	7								
		4		2	8	84	17	110	14	1,487	14								
		5		6	24	101	20	166	21	2,199	21								
		6		8	32	91	18	190	24	2,332	22								
		7	Excellent	4	16	91	18	154	19	1,930	18								
		—	Not applicable	1	4	43	8	51	6	901	9								
Total				25	100	509	100	792	100	10,486	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	5	1	9	1	172	2	3.1	3.2	-.06	3.2	-.10	3.2	-.14	
		2	Some	5	21	87	17	122	15	1,453	14								
		3	Quite a bit	11	46	232	46	363	46	4,645	44								
		4	Very much	8	33	183	36	298	38	4,173	40								
		Total				24	100	507	100	792	100								10,443
b. Providing support to help students succeed academically	SEacademic	1	Very little	0	0	20	4	16	2	304	3	3.3	3.1	.27	3.2	.23	3.2	.20	
		2	Some	1	4	98	19	150	19	1,708	16								
		3	Quite a bit	14	58	194	38	321	41	4,247	41								
		4	Very much	9	38	192	38	302	38	4,137	40								
		Total				24	100	504	100	789	100								10,396
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	0	0	22	4	35	4	428	4	3.4	3.1	.31	3.2	.25	3.2	.23	
		2	Some	3	13	100	20	131	17	1,593	15								
		3	Quite a bit	8	35	176	35	283	36	3,849	37								
		4	Very much	12	52	205	41	339	43	4,523	44								
		Total				23	100	503	100	788	100								10,393

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k						
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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			
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	3	13	62	12	86	11	1,173	11	2.8	2.7	.13	2.7	.13	2.7	.05
		2	Some	8	35	169	34	280	35	3,098	30							
		3	Quite a bit	3	13	154	31	242	31	3,458	33							
		4	Very much	9	39	119	24	181	23	2,689	26							
		Total		23	100	504	100	789	100	10,418	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	0	0	36	7	34	4	520	5	3.0	2.9	.16	3.0	.05	3.0	.02
		2	Some	7	30	139	27	188	24	2,265	22							
		3	Quite a bit	8	35	176	35	311	39	4,018	39							
		4	Very much	8	35	156	31	257	33	3,620	35							
		Total		23	100	507	100	790	100	10,423	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	1	4	36	7	41	5	519	5	3.1	2.9	.18	2.9	.19	3.0	.06
		2	Some	4	17	127	25	194	25	2,200	21							
		3	Quite a bit	10	43	181	36	334	42	4,113	40							
		4	Very much	8	35	160	32	218	28	3,560	34							
		Total		23	100	504	100	787	100	10,392	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	6	26	121	24	170	22	2,066	20	2.5	2.3	.15	2.3	.14	2.4	.10
		2	Some	5	22	175	35	288	36	3,823	37							
		3	Quite a bit	7	30	133	26	224	28	2,987	29							
		4	Very much	5	22	76	15	108	14	1,525	15							
		Total		23	100	505	100	790	100	10,401	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	2	9	48	10	59	8	716	7	3.0	2.8	.17	2.9	.06	2.9	.04
		2	Some	6	26	145	29	189	24	2,503	24							
		3	Quite a bit	6	26	173	34	306	39	4,067	39							
		4	Very much	9	39	138	27	232	30	3,094	30							
		Total		23	100	504	100	786	100	10,380	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	4	17	95	19	103	13	1,337	13	2.7	2.4	.25	2.6	.06	2.6	.04
		2	Some	6	26	182	36	274	35	3,468	33							
		3	Quite a bit	7	30	152	30	249	32	3,423	33							
		4	Very much	6	26	74	15	159	20	2,128	21							
		Total		23	100	503	100	785	100	10,356	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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	
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	0	0 hrs	0	0	1	0	0	0	42	0	12.2	13.9	-.21	14.7	-.31	15.8 *	-0.42	▼
	(Recoded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	6	25	75	15	102	13	1,161	11								
		8	6-10 hrs	5	21	135	27	189	24	2,115	20								
		13	11-15 hrs	4	17	112	22	167	21	2,220	21								
		18	16-20 hrs	6	25	70	14	154	19	2,001	19								
		23	21-25 hrs	2	8	58	11	95	12	1,319	13								
		28	26-30 hrs	1	4	31	6	42	5	786	7								
		33	More than 30 hrs	0	0	25	5	49	6	839	8								
			Total	24	100	507	100	798	100	10,483	100								
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	9	38	210	41	252	32	3,086	30	5.2	4.1	.19	5.7	-.07	5.6	-.05	
	(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	8	33	175	34	262	33	3,724	36								
		8	6-10 hrs	4	17	60	12	120	15	1,759	17								
		13	11-15 hrs	0	0	35	7	77	10	912	9								
		18	16-20 hrs	1	4	16	3	44	6	528	5								
		23	21-25 hrs	1	4	5	1	23	3	231	2								
		28	26-30 hrs	1	4	4	1	6	1	72	1								
		33	More than 30 hrs	0	0	3	1	9	1	127	1								
			Total	24	100	508	100	793	100	10,439	100								
c. Working for pay on campus	tmworkonhrs	0	0 hrs	18	75	413	82	613	77	7,725	74	4.3	2.3	.36	2.6	.28	2.8	.26	
	(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	0	0	16	3	35	4	638	6								
		8	6-10 hrs	0	0	21	4	62	8	1,039	10								
		13	11-15 hrs	2	8	22	4	39	5	533	5								
		18	16-20 hrs	3	13	30	6	29	4	319	3								
		23	21-25 hrs	1	4	2	0	5	1	89	1								
		28	26-30 hrs	0	0	1	0	5	1	23	0								
		33	More than 30 hrs	0	0	1	0	6	1	98	1								
			Total	24	100	506	100	794	100	10,464	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k									
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015			
												Mean		Effect size ⁿ		Effect size ⁿ		Mean		Effect size ⁿ	
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			
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	17	71	360	71	571	72	8,256	79	5.3	4.6	.07	4.7	.06	3.1	.28			
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	4	20	4	37	5	415	4										
	8	6-10 hrs	0	0	27	5	37	5	409	4											
	13	11-15 hrs	0	0	23	5	40	5	386	4											
	18	16-20 hrs	5	21	30	6	25	3	361	3											
	23	21-25 hrs	0	0	19	4	38	5	255	2											
	28	26-30 hrs	0	0	13	3	12	2	118	1											
	33	More than 30 hrs	1	4	13	3	34	4	225	2											
	Total		24	100	505	100	794	100	10,425	100											
	Estimated number of hours working for pay	tmworkhrs		(Continuous variable created by NSSE)															9.5	6.8	.26
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	15	63	332	67	495	63	6,589	64	2.8	1.8	.26	1.9	.22	1.9	.21			
	(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5	21	121	24	227	29	2,880	28										
	8	6-10 hrs	1	4	24	5	38	5	443	4											
	13	11-15 hrs	2	8	8	2	18	2	207	2											
	18	16-20 hrs	1	4	12	2	6	1	130	1											
	23	21-25 hrs	0	0	0	0	1	0	49	0											
	28	26-30 hrs	0	0	1	0	1	0	21	0											
	33	More than 30 hrs	0	0	0	0	4	1	34	0											
Total		24	100	498	100	790	100	10,353	100												
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	8	2	11	1	155	1	17.6	13.6 *	▲	.41	13.8	.42	13.7	.43		
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	13	103	20	131	17	1,741	17										
	8	6-10 hrs	6	25	122	24	207	26	2,653	26											
	13	11-15 hrs	4	17	96	19	164	21	2,181	21											
	18	16-20 hrs	2	8	69	14	120	15	1,525	15											
	23	21-25 hrs	1	4	27	5	57	7	795	8											
	28	26-30 hrs	2	8	24	5	29	4	375	4											
	33	More than 30 hrs	6	25	54	11	74	9	958	9											
Total		24	100	503	100	793	100	10,383	100												

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k							
				ASU				NSSE 2014 & 2015				Your first-year students compared with							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
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	
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	20	83	381	75	624	79	8,469	82	2.8	2.3	.09	2.0	.14	1.8	.19	
		(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	4	51	10	73	9	897								9
			8	6-10 hrs	0	0	30	6	29	4	377								4
			13	11-15 hrs	0	0	24	5	28	4	248								2
			18	16-20 hrs	2	8	10	2	15	2	148								1
			23	21-25 hrs	0	0	1	0	1	0	65								1
			28	26-30 hrs	1	4	2	0	4	1	42								0
			33	More than 30 hrs	0	0	6	1	11	1	128								1
		Total			24	100	505	100	785	100	10,374								100
	h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	7	29	126	25	361	45	4,804								46
		(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	14	58	247	49	310	39	3,757	36							
			8	6-10 hrs	1	4	86	17	81	10	1,146	11							
			13	11-15 hrs	1	4	25	5	27	3	370	4							
			18	16-20 hrs	0	0	11	2	7	1	164	2							
			23	21-25 hrs	1	4	7	1	2	0	68	1							
			28	26-30 hrs	0	0	2	0	4	1	42	0							
			33	More than 30 hrs	0	0	2	0	4	1	71	1							
	Total			24	100	506	100	796	100	10,422	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	6	26	94	19	102	13	1,419	14	2.2	2.4	-.21	2.6	-.38	2.6	-.37	
	(Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)	2	Some	11	48	192	38	297	37	3,843	37								
		3	About half	2	9	140	28	235	30	3,030	29								
		4	Most	3	13	60	12	129	16	1,613	15								
		5	Almost all	1	4	17	3	31	4	507	5								
			Total	23	100	503	100	794	100	10,412	100								
	tmreadinghrs											3.8	5.4	-.30	6.4 *	-.45	6.7 **	-.49	
	(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)																		

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

First-Year Students^a in Phys 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 2014 & 2015		Your first-year students compared with						
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
	tmreadinghrscol	1	0 hrs	0	0	1	0	0	0	37	0							
	<i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	2	More than zero, up to 5 hrs	17	74	310	62	428	54	5,250	51							
		3	More than 5, up to 10 hrs	5	22	117	23	220	28	3,005	29							
		4	More than 10, up to 15 hrs	0	0	44	9	76	10	1,041	10							
		5	More than 15, up to 20 hrs	1	4	15	3	34	4	559	5							
		6	More than 20, up to 25 hrs	0	0	13	3	27	3	353	3							
		7	More than 25 hrs	0	0	2	0	7	1	118	1							
			Total			23	100	502	100	792	100	10,363	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	8	66	13	77	10	1,076	10	2.5	2.7	-.13	2.8	-.23	2.8	-.23
		2	Some	12	50	149	29	221	28	2,884	27							
		3	Quite a bit	5	21	185	36	325	41	4,079	39							
		4	Very much	5	21	111	22	176	22	2,466	23							
		Total		24	100	511	100	799	100	10,505	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	2	9	95	19	121	15	1,639	16	2.4	2.4	-.02	2.5	-.15	2.5	-.14
		2	Some	13	57	187	37	259	32	3,491	33							
		3	Quite a bit	5	22	152	30	289	36	3,497	33							
		4	Very much	3	13	76	15	128	16	1,843	18							
		Total		23	100	510	100	797	100	10,470	100							
c. Thinking critically and analytically	pgthink	1	Very little	1	4	28	5	37	5	439	4	2.9	3.0	-.05	3.0	-.16	3.1	-.20
		2	Some	5	21	116	23	143	18	1,961	19							
		3	Quite a bit	13	54	213	42	361	45	4,351	42							
		4	Very much	5	21	153	30	256	32	3,730	36							
		Total		24	100	510	100	797	100	10,481	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	1	4	45	9	59	7	856	8	3.0	2.8	.19	2.9	.08	2.9	.09
		2	Some	6	25	144	28	201	25	2,643	25							
		3	Quite a bit	10	42	197	39	307	39	3,900	37							
		4	Very much	7	29	123	24	229	29	3,057	29							
		Total		24	100	509	100	796	100	10,456	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k						
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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		Mean	Effect size ⁿ
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	3	13	97	19	137	17	1,586	15	2.4	2.4	.00	2.5	-.08	2.6	-.15
		2	Some	11	46	180	35	261	33	3,470	33							
		3	Quite a bit	7	29	154	30	264	33	3,390	32							
		4	Very much	3	13	78	15	135	17	2,031	19							
		Total		24	100	509	100	797	100	10,477	100							
f. Working effectively with others	pgothers	1	Very little	3	13	62	12	72	9	951	9	2.5	2.6	-.14	2.7	-.26	2.7	-.27
		2	Some	10	42	166	33	242	31	3,074	29							
		3	Quite a bit	7	29	182	36	306	39	4,077	39							
		4	Very much	4	17	100	20	173	22	2,352	22							
		Total		24	100	510	100	793	100	10,454	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	5	21	106	21	123	15	1,721	16	2.3	2.4	-.08	2.6	-.24	2.6	-.26
		2	Some	10	42	166	33	254	32	3,087	29							
		3	Quite a bit	5	21	159	31	268	34	3,382	32							
		4	Very much	4	17	78	15	151	19	2,277	22							
		Total		24	100	509	100	796	100	10,467	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	4	17	81	16	126	16	1,474	14	2.3	2.6	-.26	2.6	-.24	2.6	-.31
		2	Some	12	50	158	31	251	31	3,220	31							
		3	Quite a bit	4	17	158	31	265	33	3,450	33							
		4	Very much	4	17	111	22	156	20	2,334	22							
		Total		24	100	508	100	798	100	10,478	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	4	17	85	17	105	13	1,400	13	2.6	2.5	.09	2.6	.02	2.6	-.01
		2	Some	8	33	181	35	279	35	3,504	33							
		3	Quite a bit	6	25	154	30	268	34	3,504	33							
		4	Very much	6	25	91	18	145	18	2,068	20							
		Total		24	100	511	100	797	100	10,476	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	2	8	84	17	132	17	1,728	17	2.3	2.5	-.15	2.5	-.15	2.5	-.18
		2	Some	15	63	192	38	286	36	3,550	34							
		3	Quite a bit	4	17	138	27	248	31	3,305	32							
		4	Very much	3	13	94	19	131	16	1,855	18							
		Total		24	100	508	100	797	100	10,438	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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

				Frequency Distributions								Statistical Comparisons ^k						
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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
					%		%		%		%							
18. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	0	0	15	3	12	2	202	2	3.3	3.1	.29	3.2	.16	3.2	.12
		2	Fair	2	8	64	13	84	11	1,186	11							
		3	Good	13	52	280	55	423	53	5,066	48							
		4	Excellent	10	40	152	30	278	35	4,076	39							
			Total	25	100	511	100	797	100	10,530	100							
19. If you could start over again, would you go to the same institution you are now attending?																		
	sameinst	1	Definitely no	0	0	18	4	38	5	399	4	3.2	3.1	.13	3.2	.08	3.2	.02
		2	Probably no	2	8	64	13	93	12	1,217	12							
		3	Probably yes	15	60	256	50	359	45	4,516	43							
		4	Definitely yes	8	32	174	34	309	39	4,404	42							
			Total	25	100	512	100	799	100	10,536	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k													
				ASU				NSSE 2014 & 2015				Your seniors compared with													
Item wording or description	Variable name ^l	Values ^m	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU	Southwest Public	Carnegie Class	NSSE 2014 & 2015										
				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 2 3 4	Never Sometimes Often Very often	0 6 9 7	0 27 41 32	34 256 229 239	4 34 30 32	28 268 316 437	3 26 30 42	408 3,488 3,793 4,792	3 28 30 38	3.0	2.9	.17	3.1	-.07	3.0	.01							
Total				22	100	758	100	1,049	100	12,481	100														
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1 2 3 4	Never Sometimes Often Very often	3 8 7 4	14 36 32 18	192 272 178 114	25 36 24 15	264 389 235 151	25 37 23 15	3,291 4,660 2,739 1,755	26 37 22 14								2.5	2.3	.26	2.3	.28	2.2	.31
Total				22	100	756	100	1,039	100	12,445	100														
c. Come to class without completing readings or assignments	unpreparedr (Reverse-coded version of unprepared created by NSSE.)	1 2 3 4	Very often Often Sometimes Never	1 2 15 4	5 9 68 18	60 106 438 154	8 14 58 20	41 128 609 266	4 12 58 25	780 1,800 7,121 2,729	6 14 57 22														
Total				22	100	758	100	1,044	100	12,430	100														
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1 2 3 4	Never Sometimes Often Very often	11 8 2 0	52 38 10 0	391 257 75 29	52 34 10 4	441 417 131 51	42 40 13 5	5,148 4,915 1,604 743	41 40 13 6	1.6	1.7	-.11	1.8	-.27	1.8	-.30							
Total				21	100	752	100	1,040	100	12,410	100														
e. Asked another student to help you understand course material	CLaskhelp	1 2 3 4	Never Sometimes Often Very often	1 4 12 4	5 19 57 19	77 317 216 144	10 42 29 19	107 439 321 177	10 42 31 17	1,348 5,024 3,690 2,394	11 40 30 19								2.9	2.6	.37	2.5 *	.41	2.6	.36
Total				21	100	754	100	1,044	100	12,456	100														
f. Explained course material to one or more students	CLexplain	1 2 3 4	Never Sometimes Often Very often	0 6 9 7	0 27 41 32	23 236 265 230	3 31 35 31	28 301 381 333	3 29 37 32	354 3,472 4,649 3,951	3 28 37 32														
Total				22	100	754	100	1,043	100	12,426	100														

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	2	9	130	17	167	16	1,898	15	2.7	2.6	.16	2.6	.12	2.6	.14	
		2	Sometimes	8	36	251	33	335	32	4,312	35								
		3	Often	6	27	198	26	294	28	3,325	27								
		4	Very often	6	27	178	24	251	24	2,922	23								
		Total		22	100	757	100	1,047	100	12,457	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	1	5	59	8	57	5	773	6	3.2	2.8 *	.47	2.9	.38	2.8 *	.44	
		2	Sometimes	4	18	242	32	310	30	3,999	32								
		3	Often	6	27	253	33	372	36	4,280	34								
		4	Very often	11	50	202	27	306	29	3,396	27								
		Total		22	100	756	100	1,045	100	12,448	100								
i. Given a course presentation	present	1	Never	6	27	165	22	132	13	1,816	15	2.0	2.3	-.24	2.5 *	-.50	2.5 *	-.44	
		2	Sometimes	10	45	306	41	434	42	5,116	41								
		3	Often	5	23	188	25	304	29	3,529	28								
		4	Very often	1	5	91	12	174	17	1,960	16								
		Total		22	100	750	100	1,044	100	12,421	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	1	5	32	4	36	3	456	4	3.2	2.9	.37	2.9	.39	2.9	.37	
		2	Sometimes	2	9	228	30	307	30	3,654	29								
		3	Often	10	45	274	36	417	40	4,838	39								
		4	Very often	9	41	223	29	280	27	3,484	28								
		Total		22	100	757	100	1,040	100	12,432	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	4	19	154	21	145	14	1,831	15	2.3	2.3	.00	2.4	-.15	2.4	-.14	
		2	Sometimes	8	38	322	43	467	45	5,342	43								
		3	Often	8	38	175	23	276	27	3,432	28								
		4	Very often	1	5	98	13	152	15	1,780	14								
		Total		21	100	749	100	1,040	100	12,385	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	6	27	278	37	257	25	3,202	26	2.3	2.0	.36	2.2	.14	2.2	.16	
		2	Sometimes	6	27	282	38	441	43	5,255	42								
		3	Often	7	32	123	16	223	22	2,603	21								
		4	Very often	3	14	69	9	115	11	1,322	11								
		Total		22	100	752	100	1,036	100	12,382	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
				ASU				NSSE 2014 & 2015				Your seniors compared with							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
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	
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	3	14	84	11	90	9	1,102	9	2.8	2.6	.19	2.7	.12	2.7	.13	
		2	Sometimes	5	23	275	37	364	35	4,345	35								
		3	Often	8	36	253	34	381	37	4,584	37								
		4	Very often	6	27	141	19	200	19	2,354	19								
		Total		22	100	753	100	1,035	100	12,385	100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	3	14	69	9	69	7	913	7	2.7	2.8	-.03	2.8	-.06	2.8	-.03	
		2	Sometimes	5	23	236	31	328	32	3,969	32								
		3	Often	9	41	261	35	402	39	4,772	39								
		4	Very often	5	23	187	25	236	23	2,718	22								
		Total		22	100	753	100	1,035	100	12,372	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	0	0	39	5	38	4	468	4	3.2	2.8 *	.49	2.8 *	.55	2.8 *	.49	
		2	Sometimes	3	14	244	33	341	33	4,051	33								
		3	Often	10	48	283	38	446	43	4,946	40								
		4	Very often	8	38	184	25	209	20	2,896	23								
		Total		21	100	750	100	1,034	100	12,361	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	17	2	21	2	243	2	3.4	3.1	.38	3.1	.38	3.1	.38	
		2	Sometimes	3	14	159	21	199	19	2,554	21								
		3	Often	7	32	303	40	457	44	5,191	42								
		4	Very often	12	55	270	36	356	34	4,351	35								
		Total		22	100	749	100	1,033	100	12,339	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	3	14	161	21	158	15	2,154	17	2.4	2.3	.14	2.5	-.10	2.5	-.05	
		2	Sometimes	10	45	324	43	411	39	4,790	39								
		3	Often	6	27	163	22	260	25	2,992	24								
		4	Very often	3	14	104	14	213	20	2,453	20								
		Total		22	100	752	100	1,042	100	12,389	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	10	45	343	46	385	37	4,816	39	1.8	2.0	-.13	2.1	-.26	2.1	-.25	
		2	Sometimes	7	32	198	26	321	31	3,530	29								
		3	Often	4	18	109	15	181	17	2,153	17								
		4	Very often	1	5	100	13	153	15	1,873	15								
		Total		22	100	750	100	1,040	100	12,372	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
				ASU				NSSE 2014 & 2015				Your seniors compared with							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
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	
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	3	14	195	26	183	18	2,373	19	2.5	2.2	.33	2.4	.10	2.4	.14	
		2	Sometimes	8	36	297	40	404	39	4,779	39								
		3	Often	7	32	157	21	264	25	3,030	24								
		4	Very often	4	18	102	14	190	18	2,192	18								
		Total		22	100	751	100	1,041	100	12,374	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	5	23	217	29	204	20	2,929	24	2.2	2.1	.10	2.3	-.10	2.2	-.04	
		2	Sometimes	10	45	322	43	478	46	5,346	43								
		3	Often	5	23	133	18	228	22	2,511	20								
		4	Very often	2	9	75	10	131	13	1,559	13								
		Total		22	100	747	100	1,041	100	12,345	100								
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	3	14	66	9	89	9	1,140	9	2.5	2.8	-.23	2.7	-.15	2.7	-.14	
		2	Some	7	32	231	31	375	36	4,335	35								
		3	Quite a bit	9	41	279	37	363	35	4,440	36								
		4	Very much	3	14	178	24	217	21	2,493	20								
		Total		22	100	754	100	1,044	100	12,408	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	1	5	23	3	15	1	316	3	3.5	3.2	.42	3.3	.35	3.3	.36	
		2	Some	0	0	128	17	135	13	1,669	13								
		3	Quite a bit	7	32	275	37	428	41	4,854	39								
		4	Very much	14	64	325	43	458	44	5,540	45								
		Total		22	100	751	100	1,036	100	12,379	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	0	0	40	5	49	5	549	4	3.2	3.1	.10	3.1	.09	3.1	.08	
		2	Some	6	27	153	20	184	18	2,324	19								
		3	Quite a bit	6	27	257	34	408	39	4,646	38								
		4	Very much	10	45	301	40	393	38	4,829	39								
		Total		22	100	751	100	1,034	100	12,348	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	0	0	119	16	110	11	1,611	13	2.8	2.6	.24	2.7	.15	2.6	.19	
		2	Some	9	41	237	31	347	33	4,006	32								
		3	Quite a bit	8	36	237	31	356	34	4,072	33								
		4	Very much	5	23	160	21	228	22	2,668	22								
		Total		22	100	753	100	1,041	100	12,357	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	0	0	63	8	63	6	842	7	3.2	2.9	.37	2.9	.34	2.9	.38	
		2	Some	5	23	187	25	261	25	3,254	26								
		3	Quite a bit	7	32	276	37	404	39	4,788	39								
		4	Very much	10	45	226	30	307	30	3,483	28								
		Total		22	100	752	100	1,035	100	12,367	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	21	3	22	2	291	2	3.3	3.1	.24	3.2	.08	3.2	.15	
		2	Some	2	9	154	20	156	15	2,040	16								
		3	Quite a bit	12	55	324	43	446	43	5,521	44								
		4	Very much	8	36	255	34	420	40	4,604	37								
		Total		22	100	754	100	1,044	100	12,456	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	0	0	19	3	19	2	305	2	3.3	3.1	.26	3.2	.10	3.1	.19	
		2	Some	4	18	161	21	154	15	2,148	17								
		3	Quite a bit	8	36	325	43	466	45	5,645	45								
		4	Very much	10	45	246	33	400	38	4,329	35								
		Total		22	100	751	100	1,039	100	12,427	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	0	0	34	5	18	2	350	3	3.5	3.1	.43	3.3	.25	3.2	.36	
		2	Some	1	5	143	19	150	14	2,082	17								
		3	Quite a bit	9	43	283	38	392	38	4,925	40								
		4	Very much	11	52	294	39	481	46	5,046	41								
		Total		21	100	754	100	1,041	100	12,403	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	3	14	137	18	110	11	1,754	14	2.8	2.5	.29	2.8	.07	2.6	.19	
		2	Some	5	23	234	31	294	28	3,888	31								
		3	Quite a bit	7	32	229	30	383	37	3,948	32								
		4	Very much	7	32	151	20	256	25	2,813	23								
		Total		22	100	751	100	1,043	100	12,403	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	1	5	67	9	52	5	892	7	3.1	2.8	.34	3.0	.14	2.9	.27	
		2	Some	5	23	220	29	250	24	3,354	27								
		3	Quite a bit	7	32	279	37	415	40	4,841	39								
		4	Very much	9	41	186	25	325	31	3,303	27								
		Total		22	100	752	100	1,042	100	12,390	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k						
				ASU				NSSE 2014 & 2015				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	54	7	55	5	692	6	3.1	3.0	.15	3.1	.00	3.1	.01
		2	Sometimes	6	27	193	26	209	20	2,614	21							
		3	Often	8	36	243	32	367	35	4,170	33							
		4	Very often	8	36	264	35	413	40	4,985	40							
		Total		22	100	754	100	1,044	100	12,461	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	2	9	191	25	184	18	2,381	19	2.5	2.4	.14	2.6	-.03	2.5	.00
		2	Sometimes	11	50	224	30	329	32	3,936	32							
		3	Often	4	18	188	25	269	26	3,064	25							
		4	Very often	5	23	151	20	261	25	3,067	25							
		Total		22	100	754	100	1,043	100	12,448	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	3	14	143	19	133	13	1,638	13	2.6	2.5	.12	2.6	-.05	2.7	-.07
		2	Sometimes	9	41	255	34	361	35	4,037	33							
		3	Often	4	18	213	28	291	28	3,677	30							
		4	Very often	6	27	141	19	257	25	3,068	25							
		Total		22	100	752	100	1,042	100	12,420	100							
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)																		
a. Up to 5 pages	wrshortnum <i>(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	6	27	138	19	128	13	1,424	12	5.2	4.6	.11	6.2	-.17	6.0	-.14
		1.5	1-2	5	23	222	31	229	23	2,910	24							
		4	3-5	3	14	175	24	268	27	3,395	28							
		8	6-10	5	23	111	15	198	20	2,232	18							
		13	11-15	1	5	37	5	86	9	986	8							
		18	16-20	1	5	17	2	36	4	459	4							
		23	More than 20	1	5	26	4	65	6	703	6							
Total		22	100	726	100	1,010	100	12,109	100									
b. Between 6 and 10 pages	wrmednum <i>(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	10	48	325	46	315	32	3,908	33	1.5	2.3	-.20	2.5	-.31	2.6	-.31
		1.5	1-2	7	33	227	32	387	39	4,317	36							
		4	3-5	3	14	85	12	187	19	2,262	19							
		8	6-10	1	5	36	5	72	7	910	8							
		13	11-15	0	0	17	2	24	2	268	2							
		18	16-20	0	0	9	1	9	1	106	1							
		23	More than 20	0	0	13	2	6	1	125	1							
Total		21	100	712	100	1,000	100	11,896	100									

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions						Statistical Comparisons ^k									
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
												<i>Your seniors compared with</i>							
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	
c. 11 pages or more	wrlongnum	0	None	16	76	457	66	550	55	6,397	55	.6	1.6	-.26	1.5	-.28	1.5	-.28	
	<i>(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)</i>	1.5	1-2	3	14	143	21	302	30	3,739	32								
		4	3-5	2	10	41	6	85	9	920	8								
		8	6-10	0	0	24	3	27	3	319	3								
		13	11-15	0	0	11	2	14	1	158	1								
		18	16-20	0	0	6	1	6	1	57	0								
		23	More than 20	0	0	14	2	8	1	114	1								
		Total			21	100	696	100	992	100	11,704	100							
Estimated number of assigned pages of student writing.	wpages		<i>(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)</i>									36.5	56.0	-.20	58.4	-.30	59.5	-.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	0	0	35	5	81	8	735	6	3.5	3.2	.34	2.9 **	.59	3.0 *	.50	
		2	Sometimes	3	14	148	20	312	30	3,243	26								
		3	Often	5	23	203	27	262	25	3,404	27								
		4	Very often	14	64	364	49	392	37	5,054	41								
			Total	22	100	750	100	1,047	100	12,436	100								
b. People from an economic background other than your own	DDeconomic	1	Never	0	0	37	5	54	5	653	5	3.4	3.1	.32	3.0 *	.47	3.0	.41	
		2	Sometimes	2	9	157	21	263	25	2,940	24								
		3	Often	9	41	230	31	363	35	4,134	33								
		4	Very often	11	50	322	43	363	35	4,678	38								
			Total	22	100	746	100	1,043	100	12,405	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	0	0	51	7	62	6	862	7	3.0	3.1	-.06	3.0	-.03	3.0	.00	
		2	Sometimes	9	41	166	22	258	25	3,135	25								
		3	Often	4	18	221	30	316	30	3,519	28								
		4	Very often	9	41	310	41	407	39	4,879	39								
			Total	22	100	748	100	1,043	100	12,395	100								
d. People with political views other than your own	DDpolitical	1	Never	0	0	52	7	66	6	813	7	3.0	3.0	.06	3.0	.07	3.0	.09	
		2	Sometimes	7	32	188	25	263	25	3,308	27								
		3	Often	7	32	221	30	339	33	3,740	30								
		4	Very often	8	36	283	38	371	36	4,500	36								
			Total	22	100	744	100	1,039	100	12,361	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k													
				ASU				Southwest Public				Carnegie Class				NSSE 2014 & 2015				Your seniors compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		Effect size ⁿ		Effect size ⁿ			
				Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Effect size ⁿ	Effect size ⁿ		
9. During the current school year, about how often have you done the following?																									
a. Identified key information from reading assignments	LSreading	1	Never	1	5	36	5	34	3	494	4	3.0	3.0	-.08	3.1	-.14	3.1	-.14							
		2	Sometimes	5	23	162	22	214	20	2,595	21														
		3	Often	10	45	299	40	441	42	4,798	39														
		4	Very often	6	27	253	34	357	34	4,543	37														
		Total		22	100	750	100	1,046	100	12,430	100														
b. Reviewed your notes after class	LSnotes	1	Never	1	5	60	8	86	8	1,140	9	2.8	2.8	-.03	2.8	-.02	2.8	.04							
		2	Sometimes	8	36	219	29	328	31	4,021	32														
		3	Often	7	32	247	33	301	29	3,698	30														
		4	Very often	6	27	222	30	328	31	3,556	29														
		Total		22	100	748	100	1,043	100	12,415	100														
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	0	0	81	11	87	8	1,187	10	3.0	2.7	.22	2.8	.21	2.7	.22							
		2	Sometimes	6	29	223	30	337	33	3,982	32														
		3	Often	10	48	243	33	349	34	3,969	32														
		4	Very often	5	24	191	26	258	25	3,158	26														
		Total		21	100	738	100	1,031	100	12,296	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	10	1	7	1	124	1	6.0	5.6	.32	5.6	.31	5.6	.35							
		2		0	0	13	2	16	2	226	2														
		3		0	0	43	6	36	3	486	4														
		4		1	5	58	8	78	7	1,112	9														
		5		7	32	196	26	290	28	3,370	27														
		6		5	23	207	28	345	33	3,986	32														
		7	Very much	9	41	224	30	271	26	3,120	25														
		Total		22	100	751	100	1,043	100	12,424	100														
11. Which of the following have you done or do you plan to do before you graduate?^o																									
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	3	14	80	11	86	8	941	8	23%	40%	-.37	47% *	-.51	49% *	-.56							
			Do not plan to do	6	27	141	19	199	19	2,377	19														
			Plan to do	8	36	233	31	274	26	2,999	24														
			Done or in progress	5	23	300	40	486	47	6,131	49														
			Total	22	100	754	100	1,045	100	12,448	100														

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

			Frequency Distributions								Statistical Comparisons ^k							
			ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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
b. Hold a formal leadership role in a student organization or group	leader	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	5	23	73	10	82	8	998	8	27%	30%	-.06	41%	-.28	42%	-.31
			Do not plan to do	8	36	384	51	475	45	5,491	44							
			Plan to do	3	14	68	9	63	6	732	6							
			Done or in progress	6	27	226	30	425	41	5,204	42							
			Total	22	100	751	100	1,045	100	12,425	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	3	14	107	14	101	10	1,261	10	27%	21%	.14	23%	.10	22%	.13
			Do not plan to do	9	41	417	56	629	60	7,686	62							
			Plan to do	4	18	65	9	73	7	777	6							
			Done or in progress	6	27	159	21	238	23	2,674	22							
			Total	22	100	748	100	1,041	100	12,398	100							
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	4	18	115	15	109	11	1,176	9	5%	6%	-.08	11%	-.25	14%	-.32
			Do not plan to do	15	68	517	69	752	72	8,817	71							
			Plan to do	2	9	69	9	63	6	722	6							
			Done or in progress	1	5	48	6	114	11	1,676	14							
			Total	22	100	749	100	1,038	100	12,391	100							
e. Work with a faculty member on a research project	research	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	5	23	119	16	140	14	1,447	12	27%	37%	-.21	40%	-.27	43%	-.34
			Do not plan to do	7	32	212	28	355	34	3,948	32							
			Plan to do	4	18	141	19	125	12	1,613	13							
			Done or in progress	6	27	279	37	416	40	5,374	43							
			Total	22	100	751	100	1,036	100	12,382	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	3	14	105	14	85	8	1,122	9	36%	35%	.04	48%	-.24	48%	-.23
			Do not plan to do	3	14	185	25	210	20	2,823	23							
			Plan to do	8	36	197	26	245	24	2,551	21							
			Done or in progress	8	36	258	35	499	48	5,888	48							
			Total	22	100	745	100	1,039	100	12,384	100							
12. About how many of your courses at this institution have included a community-based project (service-learning)?																		
	servcourse		1 None	12	57	476	64	471	45	7,008	57	1.5	1.4	.11	1.6	-.21	1.5	.00
			2 Some	8	38	243	33	517	50	4,928	40							
			3 Most	1	5	21	3	42	4	360	3							
			4 All	0	0	7	1	10	1	88	1							
			Total	21	100	747	100	1,040	100	12,384	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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	
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	QIstudent	1	Poor	1	5	7	1	12	1	171	1	6.0	5.6	.31	5.7	.23	5.6	.30	
		2		0	0	21	3	12	1	232	2								
		3		0	0	32	4	42	4	507	4								
		4		1	5	79	10	91	9	1,171	9								
		5		3	14	171	23	219	21	2,937	24								
		6		6	29	212	28	332	32	3,776	30								
		7	Excellent	10	48	226	30	331	32	3,586	29								
		—	Not applicable	0	0	5	1	5	0	73	1								
			Total	21	100	753	100	1,044	100	12,453	100								
b. Academic advisors	QIadvisor	1	Poor	1	5	41	5	31	3	565	5	5.2	5.3	-.02	5.6	-.25	5.3	-.04	
		2		1	5	31	4	30	3	593	5								
		3		1	5	55	7	55	5	857	7								
		4		4	18	86	11	98	9	1,380	11								
		5		3	14	126	17	155	15	2,135	17								
		6		6	27	162	21	252	24	2,688	22								
		7	Excellent	6	27	243	32	399	38	3,998	32								
		—	Not applicable	0	0	10	1	19	2	214	2								
			Total	22	100	754	100	1,039	100	12,430	100								
c. Faculty	QIfaculty	1	Poor	0	0	14	2	10	1	192	2	6.0	5.5 *	.38	5.8	.18	5.6	.30	
		2		0	0	19	3	14	1	259	2								
		3		1	5	41	5	29	3	508	4								
		4		0	0	81	11	83	8	1,235	10								
		5		4	18	169	23	214	21	2,652	21								
		6		10	45	214	29	346	33	3,857	31								
		7	Excellent	7	32	205	27	339	33	3,618	29								
		—	Not applicable	0	0	3	0	5	0	58	0								
			Total	22	100	746	100	1,040	100	12,379	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

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				Frequency Distributions								Statistical Comparisons ^k						
				ASU				NSSE 2014 & 2015				Your seniors compared with						
Item wording or description	Variable name ^l	Values ^m	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU	Southwest Public	Carnegie Class	NSSE 2014 & 2015			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	1	5	48	6	41	4	632	5	5.0	4.8	.10	4.9	.04	4.8	.11
		2		0	0	32	4	50	5	626	5							
		3		3	14	46	6	70	7	872	7							
		4		3	14	89	12	155	15	1,765	14							
		5		6	27	132	18	182	17	2,389	19							
		6		3	14	138	18	209	20	2,285	18							
		7	Excellent	5	23	112	15	170	16	1,842	15							
		—	Not applicable	1	5	153	20	166	16	1,999	16							
	Total	22	100	750	100	1,043	100	12,410	100									
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	1	5	48	6	56	5	735	6	5.1	4.8	.16	5.0	.03	4.8	.17
		2		2	9	38	5	38	4	684	6							
		3		1	5	60	8	80	8	1,062	9							
		4		0	0	112	15	147	14	1,896	15							
		5		8	36	175	23	197	19	2,794	22							
		6		6	27	147	20	283	27	2,605	21							
		7	Excellent	4	18	131	17	204	20	2,011	16							
		—	Not applicable	0	0	41	5	37	4	647	5							
	Total	22	100	752	100	1,042	100	12,434	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	21	3	12	1	276	2	3.5	3.2	.33	3.2	.33	3.2	.32
		2	Some	3	14	123	16	146	14	1,839	15							
		3	Quite a bit	6	27	300	40	486	47	5,275	43							
		4	Very much	13	59	306	41	395	38	5,007	40							
			Total	22	100	750	100	1,039	100	12,397	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	1	5	49	7	38	4	644	5	3.2	2.9	.37	3.1	.21	3.0	.29
		2	Some	3	14	186	25	205	20	2,749	22							
		3	Quite a bit	8	36	304	41	454	44	5,168	42							
		4	Very much	10	45	209	28	337	33	3,785	31							
			Total	22	100	748	100	1,034	100	12,346	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	1	5	57	8	63	6	911	7	3.2	2.9	.32	2.9	.26	2.9	.29
		2	Some	3	14	201	27	239	23	2,948	24							
		3	Quite a bit	9	41	255	34	417	40	4,735	38							
		4	Very much	9	41	231	31	312	30	3,735	30							
			Total	22	100	744	100	1,031	100	12,329	100							

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Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k						
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	2	9	159	21	184	18	2,374	19	2.7	2.4	.25	.15	2.5	.20	
		2	Some	7	32	237	32	334	32	4,101	33							
		3	Quite a bit	9	41	220	29	311	30	3,496	28							
		4	Very much	4	18	130	17	212	20	2,384	19							
		Total		22	100	746	100	1,041	100	12,355	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	0	0	81	11	67	6	1,056	9	3.1	2.7 *	.39	.23	2.8	.29	
		2	Some	4	18	207	28	279	27	3,309	27							
		3	Quite a bit	12	55	289	39	397	38	4,744	38							
		4	Very much	6	27	168	23	293	28	3,244	26							
		Total		22	100	745	100	1,036	100	12,353	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	1	5	89	12	84	8	1,251	10	3.1	2.8	.35	.28	2.8	.31	
		2	Some	3	14	188	25	270	26	3,197	26							
		3	Quite a bit	11	50	284	38	410	40	4,679	38							
		4	Very much	7	32	186	25	272	26	3,224	26							
		Total		22	100	747	100	1,036	100	12,351	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	6	27	282	38	301	29	4,099	33	2.2	2.0	.19	.04	2.1	.13	
		2	Some	9	41	252	34	403	39	4,659	38							
		3	Quite a bit	4	18	142	19	222	21	2,367	19							
		4	Very much	3	14	70	9	112	11	1,226	10							
		Total		22	100	746	100	1,038	100	12,351	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	1	5	108	15	129	12	1,420	12	2.8	2.6	.16	.11	2.7	.08	
		2	Some	7	32	235	32	320	31	3,719	30							
		3	Quite a bit	10	45	234	31	353	34	4,370	35							
		4	Very much	4	18	167	22	232	22	2,810	23							
		Total		22	100	744	100	1,034	100	12,319	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	4	18	183	25	174	17	2,323	19	2.4	2.2	.12	-0.08	2.4	-0.03	
		2	Some	7	32	279	38	387	37	4,565	37							
		3	Quite a bit	10	45	192	26	313	30	3,610	29							
		4	Very much	1	5	88	12	159	15	1,793	15							
		Total		22	100	742	100	1,033	100	12,291	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
								NSSE 2014 & 2015				Your seniors compared with							
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
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	
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	0	0 hrs	0	0	2	0	5	0	61	0	15.7	16.3	-.06	16.9	-.13	17.1	-.15	
	(Recoded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	2	9	88	12	101	10	1,205	10								
		8	6-10 hrs	6	27	178	24	192	18	2,342	19								
		13	11-15 hrs	5	23	114	15	213	20	2,215	18								
		18	16-20 hrs	4	18	140	19	194	19	2,359	19								
		23	21-25 hrs	0	0	72	10	113	11	1,528	12								
		28	26-30 hrs	2	9	57	8	90	9	1,044	8								
		33	More than 30 hrs	3	14	99	13	134	13	1,660	13								
			Total	22	100	750	100	1,042	100	12,414	100								
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	8	36	366	49	414	40	4,832	39	5.8	3.2	.47	4.3	.23	4.8	.15	
	(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	8	36	253	34	361	35	4,024	33								
		8	6-10 hrs	2	9	63	8	121	12	1,640	13								
		13	11-15 hrs	1	5	30	4	62	6	785	6								
		18	16-20 hrs	1	5	14	2	43	4	499	4								
		23	21-25 hrs	1	5	7	1	15	1	274	2								
		28	26-30 hrs	0	0	2	0	3	0	107	1								
		33	More than 30 hrs	1	5	7	1	12	1	160	1								
			Total	22	100	742	100	1,031	100	12,321	100								
c. Working for pay on campus	tmworkonhrs	0	0 hrs	10	45	478	64	570	55	6,836	55	8.0	5.5	.28	5.2	.37	5.2	.37	
	(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	5	26	3	93	9	1,130	9								
		8	6-10 hrs	2	9	50	7	134	13	1,738	14								
		13	11-15 hrs	3	14	55	7	100	10	1,153	9								
		18	16-20 hrs	4	18	88	12	97	9	1,000	8								
		23	21-25 hrs	2	9	21	3	25	2	256	2								
		28	26-30 hrs	0	0	10	1	8	1	100	1								
		33	More than 30 hrs	0	0	18	2	7	1	174	1								
			Total	22	100	746	100	1,034	100	12,387	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k													
				ASU				Southwest Public				Carnegie Class				NSSE 2014 & 2015				Your seniors compared with					
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		Mean		Effect size ⁿ			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ					
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	15	68	409	55	539	52	7,318	60	6.0	9.4	-0.28	9.0	-0.26	7.5	-0.13							
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	5	28	4	55	5	636	5														
	8	6-10 hrs	0	0	34	5	81	8	737	6															
	13	11-15 hrs	2	9	35	5	53	5	678	6															
	18	16-20 hrs	2	9	75	10	90	9	905	7															
	23	21-25 hrs	0	0	45	6	57	6	589	5															
	28	26-30 hrs	0	0	27	4	36	4	387	3															
	33	More than 30 hrs	2	9	92	12	116	11	1,040	8															
	Total		22	100	745	100	1,027	100	12,290	100															
Estimated number of hours working for pay	tmworkhrs											14.0	14.7	-0.06	14.2	-0.02	12.6	0.12							
(Continuous variable created by NSSE)																									
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	12	57	497	67	621	60	7,661	62	2.0	1.9	0.03	2.1	-0.03	2.0	0.00							
	(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	7	33	180	24	310	30	3,531	29														
	8	6-10 hrs	1	5	31	4	49	5	579	5															
	13	11-15 hrs	1	5	13	2	22	2	231	2															
	18	16-20 hrs	0	0	7	1	14	1	145	1															
	23	21-25 hrs	0	0	4	1	3	0	50	0															
	28	26-30 hrs	0	0	2	0	3	0	42	0															
	33	More than 30 hrs	0	0	5	1	5	0	45	0															
	Total		21	100	739	100	1,027	100	12,284	100															
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	1	5	22	3	23	2	289	2	10.2	11.2	-0.11	11.9	-0.19	12.1	-0.21							
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	14	220	30	253	24	2,788	23														
	8	6-10 hrs	9	43	182	25	289	28	3,393	28															
	13	11-15 hrs	4	19	130	18	181	18	2,322	19															
	18	16-20 hrs	2	10	81	11	126	12	1,597	13															
	23	21-25 hrs	2	10	40	5	67	6	732	6															
	28	26-30 hrs	0	0	16	2	23	2	352	3															
33	More than 30 hrs	0	0	50	7	72	7	840	7																
Total		21	100	741	100	1,034	100	12,313	100																

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k										
								NSSE 2014 & 2015				Your seniors compared with										
		ASU	Southwest Public		Carnegie Class				ASU	Southwest Public		Carnegie Class		NSSE 2014 & 2015								
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ						
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	16	73	485	65	722	70	9,215	75	5.4	5.4	-.01	4.3	.12	3.5	.23				
		3	1-5 hrs	0	0	77	10	99	10	1,120	9											
		8	6-10 hrs	1	5	45	6	52	5	522	4											
		13	11-15 hrs	2	9	27	4	43	4	345	3											
		18	16-20 hrs	0	0	23	3	30	3	273	2											
		23	21-25 hrs	1	5	17	2	15	1	133	1											
		28	26-30 hrs	1	5	10	1	10	1	106	1											
		33	More than 30 hrs	1	5	61	8	59	6	605	5											
		Total			22	100	745	100	1,030	100	12,319	100										
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	2	9	50	7	180	17	2,529	20	4.3	5.4	-.21	4.1	.05	4.3	.01				
		3	1-5 hrs	15	68	453	61	635	61	6,810	55											
		8	6-10 hrs	4	18	162	22	162	16	2,106	17											
		13	11-15 hrs	0	0	51	7	33	3	579	5											
		18	16-20 hrs	1	5	15	2	13	1	191	2											
		23	21-25 hrs	0	0	7	1	6	1	80	1											
		28	26-30 hrs	0	0	2	0	3	0	34	0											
		33	More than 30 hrs	0	0	6	1	5	0	59	0											
		Total			22	100	746	100	1,037	100	12,388	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	19	204	27	236	23	2,814	23	2.2	2.3	-.12	2.4	-.20	2.4	-.17				
		2	Some	11	52	252	34	362	35	4,608	37											
		3	About half	4	19	170	23	274	26	2,954	24											
		4	Most	2	10	91	12	118	11	1,526	12											
		5	Almost all	0	0	33	4	49	5	494	4											
			Total	21	100	750	100	1,039	100	12,396	100											
	tmreadinghrs															5.3	5.9	-.11	6.4	-.18	6.4	-.19
		<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>																				

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k													
				ASU				Southwest Public				Carnegie Class				NSSE 2014 & 2015				Your seniors compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015							
				Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ						
	tmreadinghrscol	1	0 hrs	0	0	2	0	5	0	55	0														
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	13	62	444	60	554	54	6,653	54														
		3	More than 5, up to 10 hrs	6	29	173	23	289	28	3,396	28														
		4	More than 10, up to 15 hrs	0	0	53	7	83	8	1,015	8														
		5	More than 15, up to 20 hrs	1	5	40	5	58	6	686	6														
		6	More than 20, up to 25 hrs	1	5	24	3	28	3	388	3														
		7	More than 25 hrs	0	0	8	1	18	2	139	1														
			Total	21	100	744	100	1,035	100	12,332	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	1	5	125	17	107	10	1,381	11	2.9	2.6	.33	2.8	.12	2.8	.16							
		2	Some	5	23	225	30	278	27	3,463	28														
		3	Quite a bit	11	50	245	32	386	37	4,402	35														
		4	Very much	5	23	160	21	274	26	3,198	26														
			Total	22	100	755	100	1,045	100	12,444	100														
b. Speaking clearly and effectively	pgspeak	1	Very little	1	5	126	17	113	11	1,528	12	2.9	2.6	.36	2.8	.16	2.7	.21							
		2	Some	6	27	232	31	284	27	3,597	29														
		3	Quite a bit	9	41	249	33	391	38	4,271	34														
		4	Very much	6	27	146	19	254	24	2,999	24														
			Total	22	100	753	100	1,042	100	12,395	100														
c. Thinking critically and analytically	pgthink	1	Very little	0	0	23	3	25	2	401	3	3.5	3.3	.30	3.4	.19	3.3	.22							
		2	Some	1	5	113	15	130	13	1,582	13														
		3	Quite a bit	9	41	268	36	340	33	4,094	33														
		4	Very much	12	55	350	46	544	52	6,329	51														
			Total	22	100	754	100	1,039	100	12,406	100														
d. Analyzing numerical and statistical information	pganalyze	1	Very little	0	0	37	5	37	4	505	4	3.6	3.2 **	.44	3.3 *	.33	3.3 **	.36							
		2	Some	0	0	117	15	153	15	1,821	15														
		3	Quite a bit	9	41	252	33	303	29	3,757	30														
		4	Very much	13	59	349	46	551	53	6,316	51														
			Total	22	100	755	100	1,044	100	12,399	100														

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k						
				ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		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
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	0	0	89	12	71	7	1,241	10	3.2	2.8 **	.44	3.0	.21	2.9 *	.34
		2	Some	2	10	204	27	227	22	3,235	26							
		3	Quite a bit	13	62	260	34	378	36	4,019	32							
		4	Very much	6	29	202	27	368	35	3,937	32							
		Total		21	100	755	100	1,044	100	12,432	100							
f. Working effectively with others	pgothers	1	Very little	1	5	62	8	59	6	933	8	3.0	2.8	.20	3.0	.04	2.9	.13
		2	Some	5	25	211	28	252	24	3,205	26							
		3	Quite a bit	7	35	277	37	403	39	4,676	38							
		4	Very much	7	35	199	27	330	32	3,575	29							
		Total		20	100	749	100	1,044	100	12,389	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	2	9	195	26	209	20	2,467	20	2.8	2.4	.39	2.5	.23	2.5	.24
		2	Some	6	27	222	30	298	29	3,747	30							
		3	Quite a bit	9	41	199	26	307	29	3,446	28							
		4	Very much	5	23	136	18	228	22	2,749	22							
		Total		22	100	752	100	1,042	100	12,409	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	1	5	168	22	186	18	2,393	19	2.9	2.4 *	.45	2.5 *	.44	2.5 *	.43
		2	Some	8	36	235	31	379	36	4,170	34							
		3	Quite a bit	5	23	199	26	280	27	3,403	27							
		4	Very much	8	36	149	20	198	19	2,440	20							
		Total		22	100	751	100	1,043	100	12,406	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	1	5	107	14	115	11	1,377	11	3.3	2.7 *	.57	2.8 *	.48	2.8 *	.52
		2	Some	3	14	210	28	276	26	3,462	28							
		3	Quite a bit	6	29	232	31	345	33	4,082	33							
		4	Very much	11	52	205	27	308	30	3,498	28							
		Total		21	100	754	100	1,044	100	12,419	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	3	14	200	27	213	20	2,695	22	2.5	2.3	.17	2.4	.08	2.4	.08
		2	Some	8	36	248	33	379	36	4,425	36							
		3	Quite a bit	9	41	189	25	291	28	3,248	26							
		4	Very much	2	9	113	15	159	15	2,017	16							
		Total		22	100	750	100	1,042	100	12,385	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Phys Sci, Math, CS

Angelo State University

Seniors^a in Phys Sci, Math, CS

				Frequency Distributions								Statistical Comparisons ^k							
								NSSE 2014 & 2015				Your seniors compared with							
Item wording or description	Variable name ^l	Values ^m	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
18. How would you evaluate your entire educational experience at this institution?																			
	evalexp	1	Poor	1	5	34	4	25	2	394	3	3.4	3.1	.36	3.3	.14	3.2	.22	
		2	Fair	1	5	116	15	114	11	1,606	13								
		3	Good	9	41	368	49	469	45	5,646	45								
		4	Excellent	11	50	238	31	436	42	4,823	39								
		Total		22	100	756	100	1,044	100	12,469	100								
19. If you could start over again, would you go to the same institution you are now attending?																			
	sameinst	1	Definitely no	0	0	57	8	43	4	753	6	3.5	3.0 *	.50	3.2	.36	3.1	.38	
		2	Probably no	0	0	119	16	149	14	1,824	15								
		3	Probably yes	12	55	338	45	449	43	5,083	41								
		4	Definitely yes	10	45	245	32	406	39	4,819	39								
		Total		22	100	759	100	1,047	100	12,479	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Phys Sci, Math, CS

Angelo State University

Phys Sci, Math, CS

Item wording or description	Variable name	Response options	First-Year Students ^a								Seniors ^a							
			ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
20a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One	21	84	428	84	630	78	8,239	78	21	95	612	81	806	77	9,977	80
		More than one	4	16	84	16	173	22	2,338	22	1	5	148	19	243	23	2,542	20
		Total	25	100	512	100	803	100	10,577	100	22	100	760	100	1,049	100	12,519	100
First major or expected first major, in NSSE's default related-major categories. (Does not reflect any customization made for the Major Field Report)	MAJfirstcol <i>(Recoded from MAJfirst.)</i>	Arts & Humanities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Biological Sci., Agriculture, & Natural Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Physical Sci., Mathematics, & Computer Science	25	100	512	100	803	100	10,577	100	22	100	760	100	1,049	100	12,519	100
		Social Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Business	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Communications, Media, & Public Relations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Education	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Health Professions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Social Service Professions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		All Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Undecided, Undeclared	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	25	100	512	100	803	100	10,577	100	22	100	760	100	1,049	100	12,519	100		
Second major or expected second major, in NSSE's default related-major categories. (Does not reflect any customization made for the Major Field Report)	MAJsecondcol <i>(Recoded from MAJsecond.)</i>	Arts & Humanities	0	0	10	12	21	12	362	16	0	0	16	11	30	12	353	14
		Biological Sci., Agriculture, & Natural Resources	1	25	9	11	16	9	183	8	1	100	14	9	23	9	248	10
		Physical Sci., Mathematics, & Computer Science	2	50	32	39	55	32	807	35	0	0	63	43	95	39	962	38
		Social Sciences	1	25	4	5	14	8	269	12	0	0	9	6	18	7	321	13
		Business	0	0	9	11	16	9	165	7	0	0	8	5	17	7	145	6
		Communications, Media, & Public Relations	0	0	0	0	1	1	22	1	0	0	0	0	3	1	17	1
		Education	0	0	2	2	6	3	99	4	0	0	6	4	19	8	162	6
		Engineering	0	0	10	12	25	15	231	10	0	0	21	14	21	9	152	6
		Health Professions	0	0	0	0	6	3	53	2	0	0	2	1	3	1	36	1
		Social Service Professions	0	0	1	1	4	2	36	2	0	0	2	1	4	2	44	2
		All Other	0	0	4	5	4	2	69	3	0	0	6	4	10	4	85	3
		Undecided, Undeclared	0	0	2	2	4	2	32	1	0	0	1	1	0	0	8	0
Total	4	100	83	100	172	100	2,328	100	1	100	148	100	243	100	2,533	100		

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Phys Sci, Math, CS

Angelo State University

Phys Sci, Math, CS

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	NSSE 2014 & 2015								NSSE 2014 & 2015							
			ASU		Southwest Public		Carnegie Class		2015		ASU		Southwest Public		Carnegie Class		2015	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21. What is your class level?	class	Freshman/First-year	18	75	418	82	690	87	9,472	90	0	0	1	0	3	0	26	0
		Sophomore	5	21	70	14	88	11	854	8	0	0	9	1	8	1	130	10
		Junior	1	4	14	3	10	1	104	1	1	5	67	9	98	9	1,198	10
		Senior	0	0	4	1	1	0	25	0	21	95	657	88	916	88	10,796	87
		Unclassified	0	0	4	1	8	1	44	0	0	0	16	2	21	2	294	2
		Total	24	100	510	100	797	100	10,499	100	22	100	750	100	1,046	100	12,444	100
22. Thinking about this current academic term, are you a full-time student?	fulltime	No	0	0	26	5	32	4	258	2	4	18	180	24	163	16	1,895	15
		Yes	24	100	480	95	767	96	10,220	98	18	82	566	76	879	84	10,507	85
		Total	24	100	506	100	799	100	10,478	100	22	100	746	100	1,042	100	12,402	100
23a. How many courses are you taking for credit this current academic term?	coursenum	0	0	0	0	1	0	33	0	0	0	23	3	19	2	243	2	
		1	0	0	2	0	3	0	32	0	0	0	12	2	23	2	318	3
		2	0	0	12	2	9	1	92	1	2	9	50	7	70	7	708	6
		3	0	0	15	3	47	6	403	4	3	14	111	15	124	12	1,448	12
		4	8	33	173	34	253	32	3,510	33	10	45	239	32	311	30	4,004	32
		5	12	50	200	39	276	35	3,899	37	6	27	170	23	272	26	3,201	26
		6	4	17	68	13	131	16	1,572	15	1	5	73	10	124	12	1,495	12
		7 or more	0	0	40	8	77	10	954	9	0	0	69	9	97	9	1,011	8
Total	24	100	510	100	797	100	10,495	100	22	100	747	100	1,040	100	12,428	100		
b. Of these, how many are entirely online?	onlinenum	0	20	83	436	86	699	88	9,593	92	17	77	595	80	850	82	10,585	85
		1	3	13	54	11	67	8	634	6	4	18	105	14	121	12	1,195	10
		2	1	4	12	2	11	1	118	1	0	0	30	4	38	4	355	3
		3	0	0	4	1	7	1	46	0	1	5	12	2	19	2	132	1
		4	0	0	1	0	5	1	34	0	0	0	3	0	7	1	58	0
		5	0	0	0	0	2	0	15	0	0	0	0	0	5	0	23	0
		6	0	0	0	0	1	0	11	0	0	0	2	0	0	0	11	0
		7 or more	0	0	0	0	1	0	14	0	0	0	0	0	2	0	28	0
Total	24	100	507	100	793	100	10,465	100	22	100	747	100	1,042	100	12,387	100		
Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum)	onlinecrscol	No courses taken online	20	83	436	86	699	88	9,586	92	17	77	595	80	848	82	10,576	86
		Some courses taken online	4	17	69	14	84	11	774	7	4	18	144	19	162	16	1,506	12
		All courses taken online	0	0	2	0	9	1	84	1	1	5	8	1	26	3	285	2
		Total	24	100	507	100	792	100	10,444	100	22	100	747	100	1,036	100	12,367	100

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Phys Sci, Math, CS

Angelo State University

Phys Sci, Math, CS

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
24. What have most of your grades been up to now at this institution?	grades	C- or lower	1	4	7	1	10	1	136	1	0	0	7	1	4	0	52	0
		C	0	0	17	3	17	2	250	2	1	5	18	2	25	2	328	3
		C+	0	0	33	6	37	5	403	4	3	14	49	7	43	4	553	4
		B-	2	9	29	6	59	7	656	6	3	14	56	7	56	5	862	7
		B	2	9	77	15	141	18	1,850	18	4	18	156	21	185	18	2,400	19
		B+	6	26	85	17	127	16	1,816	17	3	14	121	16	173	17	2,177	18
		A-	5	22	106	21	153	19	2,144	20	2	9	124	17	206	20	2,251	18
		A	7	30	156	31	255	32	3,247	31	6	27	218	29	354	34	3,811	31
Total	23	100	510	100	799	100	10,502	100	22	100	749	100	1,046	100	12,434	100		
25. Did you begin college at this institution or elsewhere?	begincol	Started here	19	79	442	87	729	92	9,789	93	11	52	305	41	640	61	7,778	63
		Started elsewhere	5	21	65	13	67	8	698	7	10	48	442	59	401	39	4,647	37
		Total	24	100	507	100	796	100	10,487	100	21	100	747	100	1,041	100	12,425	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	1	4	14	3	23	3	222	2	0	0	47	6	64	6	598	5
	attend_com	Community or junior college	3	13	60	12	46	6	582	6	11	52	440	59	315	30	4,057	33
	attend_col	4-year college or university other than this one	2	8	45	9	73	9	744	7	5	24	242	32	264	25	2,949	24
	attend_none	None	17	71	381	75	654	82	8,774	84	7	33	202	27	509	49	6,237	50
	attend_other	Other	1	4	26	5	21	3	341	3	2	10	25	3	37	4	443	4
27. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree	1	4	18	4	23	3	266	3	1	5	25	3	27	3	311	3
		Bachelor's degree (B.A., B.S., etc.)	8	33	137	27	264	33	2,943	28	8	36	227	30	358	35	3,593	29
		Master's degree (M.A., M.S., etc.)	10	42	185	36	280	35	3,972	38	7	32	273	37	339	33	4,380	35
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	5	21	168	33	228	29	3,289	31	6	27	220	30	313	30	4,120	33
		Total	24	100	508	100	795	100	10,470	100	22	100	745	100	1,037	100	12,404	100

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Phys Sci, Math, CS

Angelo State University

Phys Sci, Math, CS

			First-Year Students ^a								Seniors ^a								
			ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
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	0	0	41	8	40	5	414	4	1	5	56	8	34	3	466	4	
		High school diploma or G.E.D.	7	29	72	14	122	15	1,468	14	5	23	126	17	147	14	1,758	14	
		Attended college, but did not complete degree	0	0	56	11	82	10	961	9	5	23	97	13	137	13	1,225	10	
		Associate's degree (A.A., A.S., etc.)	3	13	40	8	90	11	844	8	2	9	59	8	112	11	1,086	9	
		Bachelor's degree (B.A., B.S., etc.)	8	33	142	28	244	31	3,214	31	3	14	217	29	348	33	3,783	30	
		Master's degree (M.A., M.S., etc.)	4	17	116	23	159	20	2,538	24	4	18	134	18	196	19	2,796	23	
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	2	8	40	8	60	8	1,037	10	2	9	57	8	68	7	1,295	10	
		Total	24	100	507	100	797	100	10,476	100	22	100	746	100	1,042	100	12,409	100	
First-generation status (No parent holds a bachelor's degree)	firstgen (Recoded from parented)	Not first-generation	14	58	298	59	463	58	6,789	65	9	41	408	55	612	59	7,874	63	
		First-generation	10	42	209	41	334	42	3,687	35	13	59	338	45	430	41	4,535	37	
		Total	24	100	507	100	797	100	10,476	100	22	100	746	100	1,042	100	12,409	100	
29. What is your gender identity?	genderid	Man	14	61	306	60	475	60	6,094	58	17	77	468	63	601	58	7,324	59	
		Woman	8	35	191	38	302	38	4,155	40	5	23	263	35	415	40	4,736	38	
		Another gender identity	0	0	5	1	7	1	71	1	0	0	3	0	5	0	59	0	
		I prefer not to respond	1	4	6	1	13	2	156	1	0	0	12	2	20	2	287	2	
		Total	23	100	508	100	797	100	10,476	100	22	100	746	100	1,041	100	12,406	100	
30. Enter your year of birth (e.g., 1994):	agecat (Recoded from the information entered in birthyear)	19 or younger	23	96	441	87	687	86	9,467	91	0	0	8	1	12	1	112	1	
		20-23	1	4	42	8	76	10	677	6	12	55	382	52	707	68	8,546	69	
		24-29	0	0	14	3	15	2	166	2	7	32	214	29	167	16	2,160	18	
		30-39	0	0	6	1	12	2	89	1	1	5	90	12	97	9	1,034	8	
		40-55	0	0	4	1	5	1	42	0	1	5	37	5	49	5	415	3	
		Over 55	0	0	0	0	1	0	5	0	1	5	8	1	5	0	68	1	
		Total	24	100	507	100	796	100	10,446	100	22	100	739	100	1,037	100	12,335	100	
31a. Are you an international student?	internat	No	23	100	446	88	715	90	9,467	91	19	86	692	93	978	94	11,625	94	
		Yes	0	0	60	12	76	10	964	9	3	14	54	7	64	6	725	6	
		Total	23	100	506	100	791	100	10,431	100	22	100	746	100	1,042	100	12,350	100	
	International student country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file. U.S. (domestic) students did not receive this question.	countrycol (Recoded from country.)	Africa Sub-Saharan	0	0	4	8	5	16	38	9	0	0	2	6	2	9	24	8
			Asia	0	0	23	47	12	38	253	61	1	33	23	64	13	57	201	65
			Canada	0	0	0	0	0	0	4	1	0	0	0	0	1	4	6	2
			Europe	0	0	5	10	6	19	44	11	0	0	1	3	2	9	29	9
			Latin America and Caribbean	0	0	14	29	7	22	46	11	2	67	9	25	4	17	31	10
			Middle East and North Africa	0	0	3	6	2	6	31	7	0	0	1	3	1	4	19	6
			Oceania	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0
Unknown region/uncoded	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total	0	0	49	100	32	100	418	100	3	100	36	100	23	100	311	100			

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Phys Sci, Math, CS

Angelo State University

Phys Sci, Math, CS

			First-Year Students ^a								Seniors ^a							
			ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
32. What is your racial or ethnic identification? (Select all that apply.)	re_amind	American Indian or Alaska Native	0	0	20	4	23	3	190	2	1	5	23	3	24	2	224	2
	re_asian	Asian	1	4	70	14	87	11	1,645	16	3	14	76	10	86	8	1,468	12
	re_black	Black or African American	0	0	39	8	88	11	859	8	2	9	43	6	61	6	707	6
	re_latino	Hispanic or Latino	4	17	158	31	88	11	1,135	11	5	23	207	28	63	6	1,024	8
	re_pacific	Native Hawaiian or Other Pacific Islander	0	0	10	2	10	1	116	1	1	5	8	1	9	1	101	1
	re_white	White	17	71	269	53	557	70	6,950	66	16	73	409	55	811	78	8,916	72
	re_other	Other	0	0	18	4	21	3	293	3	2	9	19	3	18	2	281	2
	re_pnr	I prefer not to respond	2	8	20	4	24	3	409	4	0	0	56	8	42	4	734	6
	Racial or ethnic identification	re_all	American Indian or Alaska Native	0	0	6	1	2	0	31	0	0	0	12	2	9	1	54
(Recoded from re_amind through re_pnr where each student is represented only once)		Asian	1	4	55	11	69	9	1,370	13	1	5	58	8	66	6	1,194	10
		Black or African American	0	0	30	6	67	8	660	6	0	0	28	4	48	5	542	4
		Hispanic or Latino	4	17	107	21	50	6	727	7	3	14	164	22	47	5	665	5
		Native Hawaiian/Other Pac. Islander	0	0	2	0	1	0	28	0	0	0	2	0	2	0	20	0
		White	17	71	198	39	489	61	6,168	59	14	64	340	46	763	73	8,169	66
		Other	0	0	8	2	13	2	148	1	0	0	10	1	13	1	158	1
		Multiracial	0	0	81	16	84	11	944	9	4	18	76	10	53	5	871	7
		I prefer not to respond	2	8	20	4	24	3	409	4	0	0	56	8	42	4	734	6
	Total	24	100	507	100	799	100	10,485	100	22	100	746	100	1,043	100	12,407	100	
33. Are you a member of a social fraternity or sorority?	greek	No	23	96	475	94	742	94	9,776	94	22	100	704	94	944	91	11,372	92
		Yes	1	4	29	6	51	6	674	6	0	0	42	6	97	9	1,016	8
		Total	24	100	504	100	793	100	10,450	100	22	100	746	100	1,041	100	12,388	100
34. Which of the following best describes where you are living while attending college?	living	Dormitory or other campus housing (not fraternity or sorority house)	12	50	247	49	505	63	7,266	69	5	23	61	8	193	19	2,903	23
		Fraternity or sorority house	0	0	4	1	2	0	56	1	0	0	6	1	8	1	185	1
		Residence (house, apartment, etc.) within walking distance to the institution	1	4	60	12	60	8	811	8	4	18	166	22	284	27	3,338	27
		Residence (house, apartment, etc.) farther than walking distance to the institution	10	42	182	36	201	25	2,097	20	13	59	496	66	528	51	5,678	46
		None of the above	1	4	13	3	29	4	231	2	0	0	18	2	23	2	283	2
		Total	24	100	506	100	797	100	10,461	100	22	100	747	100	1,036	100	12,387	100
35. Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	23	96	482	95	695	87	9,401	90	20	91	739	99	966	93	11,583	94
		Yes	1	4	24	5	100	13	1,029	10	2	9	6	1	72	7	773	6
		Total	24	100	506	100	795	100	10,430	100	22	100	745	100	1,038	100	12,356	100

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Phys Sci, Math, CS

Angelo State University

Phys Sci, Math, CS

			First-Year Students ^a								Seniors ^a							
			ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
36. Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No	23	100	495	97	774	98	10,007	96	20	91	668	90	965	93	11,545	94
		Yes	0	0	14	3	18	2	405	4	2	9	72	10	74	7	801	6
		Total	23	100	509	100	792	100	10,412	100	22	100	740	100	1,039	100	12,346	100
37a. Have you been diagnosed with any disability or impairment?	disability	No	18	82	444	87	684	86	9,199	88	17	77	622	83	908	87	10,694	86
		Yes	3	14	43	8	79	10	896	9	4	18	95	13	103	10	1,204	10
		I prefer not to respond	1	5	22	4	31	4	372	4	1	5	30	4	30	3	506	4
		Total	22	100	509	100	794	100	10,467	100	22	100	747	100	1,041	100	12,404	100
b. [If answered "yes"] Which of the following has been diagnosed? (Select all that apply.)	dis_sense	A sensory impairment (vision or hearing)	0	0	9	21	11	14	157	18	0	0	16	17	16	16	179	15
	dis_mobility	A mobility impairment	0	0	5	12	3	4	69	8	0	0	12	13	13	13	119	10
	dis_learning	A learning disability (e.g., ADHD, dyslexia)	2	67	21	49	51	65	453	51	3	75	45	47	49	48	569	47
	dis_mental	A mental health disorder	1	33	13	30	19	24	242	27	0	0	29	31	32	31	416	35
	dis_other	A disability or impairment not listed above	1	33	4	9	12	15	174	20	1	25	23	24	24	23	249	21
Disability or impairment	disability_all	A sensory impairment	0	0	7	1	8	1	111	1	0	0	8	1	10	1	107	1
	(Recoded from disability and dis_sense through dis_other where each student is represented only once)	A mobility impairment	0	0	3	1	3	0	39	0	0	0	8	1	4	0	67	1
		A learning disability	1	5	16	3	36	5	325	3	3	14	30	4	31	3	388	3
		A mental health disorder	0	0	7	1	9	1	126	1	0	0	12	2	18	2	228	2
		A disability or impairment not listed	1	5	2	0	7	1	118	1	1	5	14	2	13	1	135	1
		More than one disability or impairment	1	5	8	2	16	2	172	2	0	0	23	3	27	3	276	2
		No disability or impairment	18	82	444	87	684	86	9,199	88	17	77	622	83	908	87	10,694	86
		Prefer not to respond	1	5	22	4	31	4	372	4	1	5	30	4	30	3	506	4
	Total	22	100	509	100	794	100	10,462	100	22	100	747	100	1,041	100	12,401	100	
38. Which of the following best describes your sexual orientation? (Question administered per institution request)	sexorient14	Heterosexual	20	87	130	84	259	84	3,959	84	19	86	189	82	384	88	4,845	84
		Gay	0	0	1	1	4	1	61	1	0	0	3	1	6	1	108	2
		Lesbian	0	0	2	1	2	1	33	1	1	5	3	1	5	1	44	1
		Bisexual	0	0	7	5	8	3	173	4	1	5	7	3	17	4	213	4
		Another sexual orientation	1	4	3	2	7	2	79	2	1	5	6	3	1	0	81	1
		Questioning or unsure	1	4	0	0	5	2	101	2	0	0	4	2	3	1	64	1
		I prefer not to respond	1	4	12	8	24	8	304	6	0	0	19	8	19	4	430	7
		Total	23	100	155	100	309	100	4,710	100	22	100	231	100	435	100	5,785	100

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Phys Sci, Math, CS

Angelo State University

Phys Sci, Math, CS

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015		ASU		Southwest Public		Carnegie Class		NSSE 2014 & 2015	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Institution-reported information																		
(Variables provided by your institution in your NSSE population file.)																		
Institution-reported sex	IRsex	Female	9	36	198	39	310	39	4,297	41	5	23	274	36	423	40	4,893	39
		Male	16	64	314	61	493	61	6,279	59	17	77	486	64	626	60	7,623	61
		Total	25	100	512	100	803	100	10,576	100	22	100	760	100	1,049	100	12,516	100
Institution-reported race or ethnicity	IRrace	American Indian or Alaska Native	0	0	6	1	4	1	38	0	0	0	10	1	9	1	55	0
		Asian	1	4	25	5	38	5	719	8	0	0	28	4	48	5	741	7
		Black or African American	0	0	25	5	47	7	609	7	1	5	34	5	49	5	529	5
		Hispanic or Latino	6	24	137	29	69	10	923	10	4	18	204	29	53	6	886	8
		Native Hawaiian/Other Pac. Islander	0	0	0	0	2	0	23	0	0	0	1	0	3	0	32	0
		White	17	68	186	40	430	60	5,648	60	13	59	345	50	651	71	7,507	68
		Other	0	0	0	0	1	0	3	0	0	0	0	0	0	0	1	0
		Foreign or nonresident alien	0	0	52	11	29	4	668	7	3	14	37	5	24	3	474	4
		Two or more races/ethnicities	1	4	19	4	21	3	339	4	1	5	26	4	27	3	309	3
		Unknown	0	0	16	3	72	10	385	4	0	0	9	1	59	6	528	5
		Total	25	100	466	100	713	100	9,355	100	22	100	694	100	923	100	11,062	100
Institution-reported class level	IRclass	Freshman/First-Year	25	100	512	100	803	100	10,577	100	0	0	0	0	0	0	0	0
		Sophomore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		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	22	100	760	100	1,049	100	12,519	100
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	25	100	512	100	803	100	10,577	100	22	100	760	100	1,049	100	12,519	100
Institution-reported first-time first-year (FTFY) status	IRftfy	No	0	0	63	12	107	13	946	9	22	100	754	99	1,049	100	12,335	99
		Yes	25	100	449	88	696	87	9,631	91	0	0	6	1	0	0	184	1
		Total	25	100	512	100	803	100	10,577	100	22	100	760	100	1,049	100	12,519	100
Institution-reported enrollment status	IRenrollment	Not full-time	0	0	18	4	21	3	226	2	2	9	177	23	140	13	1,645	13
		Full-time	25	100	494	96	782	97	10,351	98	20	91	583	77	909	87	10,874	87
		Total	25	100	512	100	803	100	10,577	100	22	100	760	100	1,049	100	12,519	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 $\pm 1.96 * SEM$.
- 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. $*p < .05$, $**p < .01$, $***p < .001$ (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.

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.