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# Angelo State University

## NSSE 2017 Major Field Report, Part II

### Comparisons to Other Institutions

#### Bio, Agric, & Nat Res

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*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 'Bio, Agric, & Nat Res' includes the following majors: Agriculture; Biochemistry or biophysics; Biology (general); Biomedical science; Botany; Cell and molecular biology; Environmental science/studies; Marine science; Microbiology or bacteriology; Natural resources and conservation; Natural science; Neuroscience; Other agriculture and natural resources; Other biological sciences; Physiology and developmental biology; Zoology.*

*Note:*

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



### About Your Major Field Report, Part II

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

#### NSSE results included in MFR, Part II

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

### Related-Major Groups

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

### Sample

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

### Class

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

### Technical Requirements

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





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







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

### Engagement Indicators: Overview

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores<sup>a</sup> for your students in this related-major category with students in your comparison groups within the same category.

Use the following key:

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

Theme	Engagement Indicator	First-Year Students in Bio, Agric, & Nat Res			Seniors in Bio, Agric, & Nat Res		
		Your first-year students compared with Southwest Public	Your first-year students compared with Carnegie Class	Your first-year students compared with NSSE 2016 & 2017	Your seniors compared with Southwest Public	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2016 & 2017
Academic Challenge	Higher-Order Learning	--	--	--	--	--	--
	Reflective & Integrative Learning	--	--	--	--	--	--
	Learning Strategies	--	--	--	--	--	--
	Quantitative Reasoning	--	--	--	--		
Learning with Peers	Collaborative Learning	--	--	--	--	--	--
	Discussions with Diverse Others	--	--	--	--	--	--
Experiences with Faculty	Student-Faculty Interaction					--	--
	Effective Teaching Practices	--	--	--	--	--	--
Campus	Quality of Interactions	--	--	--	--	--	--



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

## Engagement Indicators: Bio, Agric, & Nat Res

### Angelo State University

#### First-year students<sup>a</sup> in Bio, Agric, & Nat Res

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
ASU (N = 29)	41.9	13.1	2.44	20	30	40	50	60				
Southwest Public	39.4	13.1	.33	20	30	40	50	60	1,576	2.5		.189
Carnegie Class	39.7	12.9	.17	20	30	40	50	60	5,568	2.2		.173
NSSE 2016 & 2017	39.6	13.0	.08	20	30	40	50	60	23,817	2.3		.176
<b>Reflective &amp; Integrative Learning</b>												
ASU (N = 30)	36.1	11.1	2.02	23	29	34	46	57				
Southwest Public	34.9	11.9	.30	17	26	34	43	57	1,593	1.2		.103
Carnegie Class	35.5	11.5	.15	17	29	34	43	57	5,631	.6		.050
NSSE 2016 & 2017	35.6	11.6	.07	17	29	34	43	57	24,101	.5		.041
<b>Learning Strategies</b>												
ASU (N = 30)	41.3	14.5	2.64	13	33	40	53	60				
Southwest Public	39.4	13.5	.34	20	27	40	53	60	1,584	2.0		.146
Carnegie Class	39.9	13.4	.18	20	33	40	53	60	5,574	1.4		.106
NSSE 2016 & 2017	39.8	13.3	.09	20	33	40	53	60	23,909	1.5		.114
<b>Quantitative Reasoning</b>												
ASU (N = 30)	30.0	16.3	2.98	7	13	27	40	60				
Southwest Public	29.7	14.8	.38	7	20	27	40	60	1,577	.3		.018
Carnegie Class	29.9	14.7	.20	7	20	27	40	60	5,569	.1		.009
NSSE 2016 & 2017	30.1	14.6	.09	7	20	27	40	60	23,879	-.1		-.009
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
ASU (N = 30)	39.5	14.4	2.63	10	30	40	55	60				
Southwest Public	36.3	13.4	.34	15	25	35	45	60	1,580	3.2		.239
Carnegie Class	35.5	13.8	.18	15	25	35	45	60	5,592	4.0		.289
NSSE 2016 & 2017	36.1	13.7	.09	15	25	35	45	60	23,930	3.4		.248
<b>Discussions with Diverse Others</b>												
ASU (N = 30)	39.0	18.8	3.43	0	25	40	55	60				
Southwest Public	41.4	15.6	.39	15	30	40	55	60	1,590	-2.4		-.153
Carnegie Class	40.4	15.2	.20	15	30	40	55	60	5,588	-1.4		-.091

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

## Engagement Indicators: Bio, Agric, & Nat Res

### Angelo State University

#### First-year students<sup>a</sup> in Bio, Agric, & Nat Res

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
NSSE 2016 & 2017	40.9	14.8	.10	15	30	40	55	60	29	-1.9		-.130
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
ASU (N = 30)	28.3	16.0	2.92	5	15	28	40	60				
Southwest Public	21.1	14.9	.38	0	10	20	30	50	1,583	7.3	**	.488
Carnegie Class	22.1	14.5	.19	0	10	20	30	50	5,573	6.2	*	.428
NSSE 2016 & 2017	22.0	14.5	.09	0	10	20	30	50	23,862	6.4	*	.440
<b>Effective Teaching Practices</b>												
ASU (N = 30)	42.3	13.0	2.37	20	36	40	56	60				
Southwest Public	38.7	13.2	.33	16	28	40	48	60	1,594	3.6		.273
Carnegie Class	39.4	12.6	.17	20	32	40	48	60	5,631	2.9		.232
NSSE 2016 & 2017	39.0	12.6	.08	20	32	40	48	60	24,107	3.2		.257
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
ASU (N = 30)	41.9	11.3	2.06	20	34	46	50	56				
Southwest Public	40.9	12.5	.32	18	33	42	50	60	1,559	1.0		.081
Carnegie Class	41.8	11.9	.16	20	34	43	50	60	5,442	.1		.012
NSSE 2016 & 2017	42.0	11.8	.08	20	35	44	50	60	23,335	-.1		-.009
<b>Supportive Environment</b>												
ASU (N = 30)	36.2	12.9	2.36	20	25	35	43	60				
Southwest Public	37.2	13.3	.34	15	28	38	45	60	1,589	-1.0		-.077
Carnegie Class	37.1	13.1	.18	15	28	38	48	60	5,618	-.9		-.069
NSSE 2016 & 2017	37.7	13.0	.08	18	30	38	48	60	24,032	-1.6		-.120

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

## Engagement Indicators: Bio, Agric, & Nat Res

### Angelo State University

#### First-year students<sup>a</sup> in Bio, Agric, & Nat Res

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



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

## Engagement Indicators: Bio, Agric, & Nat Res

### Angelo State University

## Seniors<sup>a</sup> in Bio, Agric, & Nat Res

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
ASU (N = 26)	37.5	12.0	2.36	20	25	35	45	55				
Southwest Public	39.0	14.1	.34	15	30	40	50	60	1,746	-1.5		-.103
Carnegie Class	40.4	13.5	.18	20	30	40	50	60	5,885	-2.9		-.214
NSSE 2016 & 2017	39.6	13.5	.09	20	30	40	50	60	24,748	-2.1		-.158
<b>Reflective &amp; Integrative Learning</b>												
ASU (N = 26)	34.9	10.5	2.05	20	26	37	40	54				
Southwest Public	36.0	12.2	.29	17	29	37	43	57	1,762	-1.1		-.087
Carnegie Class	37.1	12.2	.16	17	29	37	46	60	5,930	-2.1		-.175
NSSE 2016 & 2017	37.3	11.9	.08	20	29	37	46	60	24,985	-2.3		-.196
<b>Learning Strategies</b>												
ASU (N = 26)	36.9	11.0	2.16	20	27	37	47	53				
Southwest Public	39.7	14.2	.34	13	27	40	53	60	1,752	-2.8		-.196
Carnegie Class	40.5	13.9	.18	20	33	40	53	60	5,890	-3.5		-.254
NSSE 2016 & 2017	39.9	13.9	.09	20	27	40	53	60	24,822	-2.9		-.212
<b>Quantitative Reasoning</b>												
ASU (N = 26)	27.9	13.3	2.62	7	20	27	40	47				
Southwest Public	31.9	15.3	.37	7	20	33	40	60	1,745	-3.9		-.257
Carnegie Class	34.5	15.4	.20	7	20	33	47	60	5,888	-6.5	*	-.422
NSSE 2016 & 2017	34.1	15.2	.10	7	20	33	47	60	24,799	-6.2	*	-.405
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
ASU (N = 26)	36.3	12.8	2.52	20	25	38	45	60				
Southwest Public	35.3	13.8	.33	15	25	35	45	60	1,754	1.1		.079
Carnegie Class	36.5	13.8	.18	15	25	35	45	60	5,876	-.2		-.011
NSSE 2016 & 2017	36.1	13.7	.09	15	25	35	45	60	24,797	.2		.017
<b>Discussions with Diverse Others</b>												
ASU (N = 26)	40.8	16.6	3.25	20	30	40	55	60				
Southwest Public	42.2	16.1	.39	10	35	40	60	60	1,752	-1.5		-.091
Carnegie Class	40.8	15.4	.20	15	30	40	55	60	5,889	-.1		-.004

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

## Engagement Indicators: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			Effect size <sup>g</sup>
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	
NSSE 2016 & 2017	40.6	15.1	.10	15	30	40	55	60	24,813	.1		.009
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
ASU (N = 26)	32.9	13.4	2.62	15	25	30	40	55				
Southwest Public	25.0	15.8	.38	0	15	25	35	55	1,750	7.9	*	.501
Carnegie Class	28.1	16.2	.21	5	15	25	40	60	5,871	4.8		.297
NSSE 2016 & 2017	27.3	15.8	.10	5	15	25	40	60	24,749	5.6		.356
<b>Effective Teaching Practices</b>												
ASU (N = 26)	39.4	13.4	2.62	16	28	40	52	60				
Southwest Public	38.9	13.3	.32	16	30	40	48	60	1,761	.5		.036
Carnegie Class	40.7	12.8	.17	20	32	40	52	60	5,929	-1.3		-.099
NSSE 2016 & 2017	40.0	12.7	.08	20	32	40	48	60	24,986	-.6		-.049
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
ASU (N = 25)	43.0	11.1	2.23	24	38	44	50	56				
Southwest Public	40.2	12.8	.31	16	32	42	50	60	1,708	2.8		.217
Carnegie Class	42.1	11.3	.15	20	35	44	50	60	5,770	.9		.079
NSSE 2016 & 2017	41.6	11.4	.07	20	34	42	50	60	24,315	1.4		.123
<b>Supportive Environment</b>												
ASU (N = 24)	34.5	14.4	2.94	10	28	36	44	55				
Southwest Public	32.9	14.0	.34	10	23	33	43	60	1,762	1.5		.110
Carnegie Class	33.1	13.7	.18	10	23	33	43	58	5,920	1.4		.104
NSSE 2016 & 2017	33.5	13.4	.08	13	25	33	43	58	24,955	1.0		.077

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

## Engagement Indicators: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

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

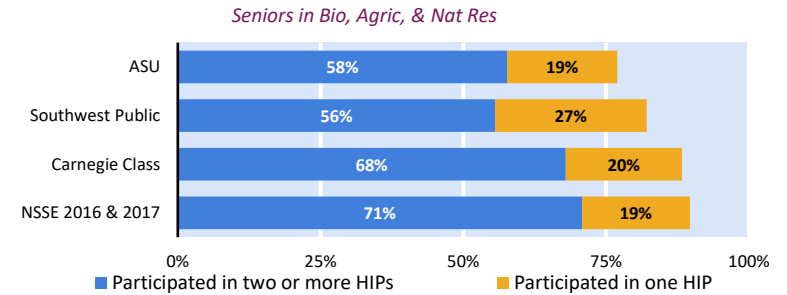
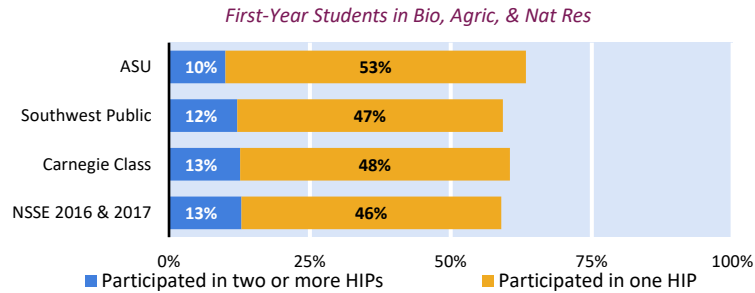
# NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

## High-Impact Practices: Bio, Agric, & Nat Res

### Angelo State University

#### Overall HIP Participation<sup>a,h</sup>

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



#### Statistical Comparisons

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

	ASU	Your students' participation compared with:					
		Southwest Public	Carnegie Class	NSSE 2016 & 2017			
	%	Difference <sup>i</sup>	ES <sup>j</sup>	Difference <sup>i</sup>	ES <sup>j</sup>	Difference <sup>i</sup>	ES <sup>j</sup>
<i>First-Year Students in Bio, Agric, &amp; Nat Res</i>							
12. Service-Learning	60	+8	.16	+6	.13	+10	.19
11c. Learning Community	13	-1	-.04	-2	-.05	-2	-.07
11e. Research with Faculty	0	-7	-.52	-6	-.51	-8	-.56
<b>Participated in at least one</b>	63	+4	.08	+3	.06	+4	.09
<b>Participated in two or more</b>	10	-2	-.07	-3	-.08	-3	-.09
<i>Seniors in Bio, Agric, &amp; Nat Res</i>							
12. Service-Learning	58	+4	.09	-2	-.04	+1	.01
11c. Learning Community	27	+3	.08	+2	.05	+1	.02
11e. Research with Faculty	31	-3	-.07	-15	-.30	-18	-.37
11a. Internship or Field Exp.	31	-10	-.20	-19	-.38	-24	*.49
11d. Study Abroad	8	-4	-.14	-7	-.24	-12	-.37
11f. Culminating Senior Exp.	12	-24	*.59	-37	***.85	-38	***.87
<b>Participated in at least one</b>	77	-5	-.13	-11	-.30	-13	*.35

*Participated in two or more*



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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your first-year students compared with					
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
<b>1. During the current school year, about how often have you done the following?</b>																			
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	0	0	87	6	161	3	743	3	<b>3.0</b>	2.7 *	.33	2.8	.15	2.8	.15	
		2	Sometimes	6	21	634	40	1,982	35	8,511	35								
		3	Often	18	62	537	34	2,031	36	8,637	36								
		4	Very often	5	17	310	20	1,429	26	6,203	26								
		Total		29	100	1,568	100	5,603	100	24,094	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	0	0	309	20	853	15	3,881	16	<b>2.7</b>	2.4 *	.30	2.5	.18	2.5	.21	
		2	Sometimes	14	47	544	35	2,002	36	8,576	36								
		3	Often	11	37	474	30	1,696	30	7,186	30								
		4	Very often	5	17	235	15	1,040	19	4,369	18								
		Total		30	100	1,562	100	5,591	100	24,012	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	3	10	71	5	233	4	943	4	<b>3.1</b>	3.0	.04	3.1	-.07	3.1	-.03	
		2	Often	2	7	201	13	562	10	2,605	11								
		3	Sometimes	15	50	888	57	3,117	56	13,832	58								
		4	Never	10	33	402	26	1,689	30	6,660	28								
		Total		30	100	1,562	100	5,601	100	24,040	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	10	33	606	39	2,062	37	8,420	35	<b>1.9</b>	1.9	.05	1.9	.01	1.9	-.02	
		2	Sometimes	13	43	607	39	2,264	40	10,080	42								
		3	Often	6	20	270	17	906	16	3,951	16								
		4	Very often	1	3	80	5	368	7	1,606	7								
		Total		30	100	1,563	100	5,600	100	24,057	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	2	7	77	5	322	6	1,237	5	<b>2.9</b>	2.8	.13	2.8	.15	2.8	.11	
		2	Sometimes	7	23	545	35	1,873	33	7,829	33								
		3	Often	13	43	584	37	2,149	38	9,305	39								
		4	Very often	8	27	362	23	1,258	22	5,703	24								
		Total		30	100	1,568	100	5,602	100	24,074	100								
f. Explained course material to one or more students	CLexplain	1	Never	1	3	44	3	175	3	626	3	<b>3.0</b>	2.9	.08	2.9	.13	2.9	.09	
		2	Sometimes	9	30	471	30	1,699	30	7,199	30								
		3	Often	10	33	644	41	2,442	44	10,284	43								
		4	Very often	10	33	406	26	1,293	23	5,973	25								
		Total		30	100	1,565	100	5,609	100	24,082	100								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your first-year students compared with					
Item wording or description	Variable name <sup>j</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	2	7	136	9	568	10	2,262	9	<b>3.0</b>	2.8	.26	2.7	.30	2.8	.26	
		2	Sometimes	5	17	517	33	1,851	33	7,565	31								
		3	Often	14	47	500	32	1,812	32	8,064	33								
		4	Very often	9	30	411	26	1,374	25	6,191	26								
		Total		30	100	1,564	100	5,605	100	24,082	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	1	3	66	4	307	5	1,240	5	<b>3.0</b>	2.8	.27	2.8	.33	2.8	.32	
		2	Sometimes	5	17	514	33	1,964	35	8,430	35								
		3	Often	16	53	632	40	2,144	38	9,268	38								
		4	Very often	8	27	353	23	1,186	21	5,147	21								
		Total		30	100	1,565	100	5,601	100	24,085	100								
i. Given a course presentation	present	1	Never	7	23	334	21	940	17	4,564	19	<b>2.0</b>	2.2	-.21	2.3	-.32	2.2	-.24	
		2	Sometimes	17	57	708	45	2,599	46	11,397	47								
		3	Often	4	13	369	24	1,453	26	5,805	24								
		4	Very often	2	7	153	10	611	11	2,316	10								
		Total		30	100	1,564	100	5,603	100	24,082	100								
<b>2. During the current school year, about how often have you done the following?</b>																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	2	7	149	10	402	7	1,659	7	<b>2.6</b>	2.6	.00	2.6	-.05	2.6	-.05	
		2	Sometimes	14	47	607	39	2,197	39	9,585	40								
		3	Often	9	30	582	37	2,186	39	9,305	39								
		4	Very often	5	17	229	15	817	15	3,532	15								
		Total		30	100	1,567	100	5,602	100	24,081	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	5	17	184	12	443	8	1,935	8	<b>2.5</b>	2.5	-.04	2.6	-.16	2.6	-.15	
		2	Sometimes	12	40	638	41	2,199	39	9,540	40								
		3	Often	7	23	520	33	2,126	38	8,908	37								
		4	Very often	6	20	221	14	830	15	3,676	15								
		Total		30	100	1,563	100	5,598	100	24,059	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	3	10	186	12	541	10	2,193	9	<b>2.5</b>	2.5	-.02	2.6	-.09	2.6	-.10	
		2	Sometimes	15	50	632	40	2,178	39	9,480	39								
		3	Often	6	20	502	32	1,983	35	8,513	35								
		4	Very often	6	20	244	16	902	16	3,863	16								
		Total		30	100	1,564	100	5,604	100	24,049	100								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your first-year students compared with					
Item wording or description	Variable name <sup>j</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	0	0	89	6	248	4	1,062	4	<b>2.8</b>	2.7	.12	2.8	.09	2.8	.08	
		2	Sometimes	11	37	510	33	1,812	32	7,779	32								
		3	Often	13	43	691	44	2,560	46	10,859	45								
		4	Very often	6	20	279	18	982	18	4,365	18								
		Total		30	100	1,569	100	5,602	100	24,065	100								
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	Rlperspect	1	Never	0	0	56	4	152	3	658	3	<b>3.0</b>	2.9	.08	2.9	.11	2.9	.10	
		2	Sometimes	9	30	373	24	1,494	27	6,429	27								
		3	Often	12	40	749	48	2,636	47	11,108	46								
		4	Very often	9	30	388	25	1,316	24	5,837	24								
		Total		30	100	1,566	100	5,598	100	24,032	100								
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	0	0	38	2	138	2	605	3	<b>3.0</b>	2.9	.19	2.9	.19	2.9	.18	
		2	Sometimes	7	23	439	28	1,561	28	6,789	28								
		3	Often	15	50	747	48	2,672	48	11,170	46								
		4	Very often	8	27	343	22	1,228	22	5,460	23								
		Total		30	100	1,567	100	5,599	100	24,024	100								
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	0	0	18	1	57	1	247	1	<b>3.2</b>	3.1	.24	3.1	.22	3.1	.20	
		2	Sometimes	4	13	312	20	1,026	18	4,362	18								
		3	Often	15	50	789	51	2,923	52	12,367	52								
		4	Very often	11	37	438	28	1,575	28	7,018	29								
		Total		30	100	1,557	100	5,581	100	23,994	100								
<b>3. During the current school year, about how often have you done the following?</b>																			
a. Talked about career plans with a faculty member	SFcareer	1	Never	3	10	305	19	938	17	4,120	17	<b>2.6</b>	2.3	.36	2.4	.30	2.3	.32	
		2	Sometimes	10	33	674	43	2,457	44	10,767	45								
		3	Often	12	40	391	25	1,451	26	5,988	25								
		4	Very often	5	17	195	12	749	13	3,167	13								
		Total		30	100	1,565	100	5,595	100	24,042	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	9	30	722	46	2,583	46	10,884	45	<b>2.3</b>	▲ 1.8 **	.49	▲ 1.8 *	.51	▲ 1.8 *	.51	
		2	Sometimes	9	30	490	31	1,762	31	8,008	33								
		3	Often	6	20	240	15	869	16	3,474	14								
		4	Very often	6	20	113	7	380	7	1,671	7								
		Total		30	100	1,565	100	5,594	100	24,037	100								



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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your first-year students compared with					
Item wording or description	Variable name <sup>j</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	7	23	538	34	1,600	29	6,775	28	2.3	2.0	.33	2.1	.22	2.1	.22	
		2	Sometimes	11	37	636	41	2,408	43	10,637	44								
		3	Often	9	30	287	18	1,173	21	4,743	20								
		4	Very often	3	10	103	7	415	7	1,863	8								
		Total		30	100	1,564	100	5,596	100	24,018	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	5	17	422	27	1,311	23	5,583	23	2.5	2.1 *	.42	2.2	.34	2.2	.36	
		2	Sometimes	11	37	686	44	2,542	45	11,196	47								
		3	Often	9	30	338	22	1,234	22	5,159	21								
		4	Very often	5	17	118	8	505	9	2,067	9								
		Total		30	100	1,564	100	5,592	100	24,005	100								
<b>4. During the current school year, how much has your coursework emphasized the following?</b>																			
a. Memorizing course material	memorize	1	Very little	0	0	43	3	142	3	590	2	2.9	3.1	-.16	3.1	-.16	3.1	-.15	
		2	Some	9	30	318	20	1,116	20	4,947	21								
		3	Quite a bit	14	47	701	45	2,635	47	11,167	46								
		4	Very much	7	23	501	32	1,704	30	7,338	31								
		Total		30	100	1,563	100	5,597	100	24,042	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	1	3	35	2	116	2	538	2	3.1	3.0	.11	3.1	.09	3.1	.06	
		2	Some	5	17	328	21	1,108	20	4,506	19								
		3	Quite a bit	13	43	735	47	2,655	47	11,383	47								
		4	Very much	11	37	468	30	1,714	31	7,603	32								
		Total		30	100	1,566	100	5,593	100	24,030	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	1	3	36	2	146	3	667	3	3.1	3.0	.15	3.0	.15	3.0	.14	
		2	Some	6	20	362	23	1,268	23	5,387	22								
		3	Quite a bit	11	37	705	45	2,553	46	10,807	45								
		4	Very much	12	40	455	29	1,626	29	7,155	30								
		Total		30	100	1,558	100	5,593	100	24,016	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	0	0	69	4	220	4	1,004	4	3.0	2.9	.17	2.9	.14	2.9	.16	
		2	Some	8	27	429	27	1,420	25	6,282	26								
		3	Quite a bit	13	43	665	42	2,525	45	10,693	45								
		4	Very much	9	30	403	26	1,420	25	6,028	25								
		Total		30	100	1,566	100	5,585	100	24,007	100								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your first-year students compared with					
Item wording or description	Variable name <sup>j</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	0	0	58	4	207	4	985	4	3.1	2.9	.18	2.9	.18	2.9	.20	
		2	Some	8	28	401	26	1,429	26	6,187	26								
		3	Quite a bit	11	38	700	45	2,512	45	10,840	45								
		4	Very much	10	34	402	26	1,435	26	5,979	25								
		Total		29	100	1,561	100	5,583	100	23,991	100								
<b>5. During the current school year, to what extent have your instructors done the following?</b>																			
a. Clearly explained course goals and requirements	ETgoals	1	Very little	0	0	42	3	95	2	413	2	3.2	3.1	.17	3.1	.18	3.1	.18	
		2	Some	7	23	284	18	1,017	18	4,480	19								
		3	Quite a bit	9	30	714	46	2,715	48	11,518	48								
		4	Very much	14	47	525	34	1,773	32	7,642	32								
		Total		30	100	1,565	100	5,600	100	24,053	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	0	0	58	4	159	3	612	3	3.1	3.0	.08	3.0	.08	3.1	.06	
		2	Some	7	23	304	19	1,138	20	4,710	20								
		3	Quite a bit	13	43	722	46	2,650	47	11,588	48								
		4	Very much	10	33	480	31	1,650	29	7,147	30								
		Total		30	100	1,564	100	5,597	100	24,057	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	0	0	44	3	125	2	624	3	3.2	3.1	.15	3.1	.15	3.1	.16	
		2	Some	6	20	309	20	1,075	19	4,504	19								
		3	Quite a bit	11	37	645	41	2,414	43	10,499	44								
		4	Very much	13	43	565	36	1,976	35	8,401	35								
		Total		30	100	1,563	100	5,590	100	24,028	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	1	3	154	10	385	7	1,872	8	3.1	2.7 *	.39	2.8	.30	2.8	.35	
		2	Some	6	20	484	31	1,623	29	7,227	30								
		3	Quite a bit	12	40	543	35	2,135	38	9,044	38								
		4	Very much	11	37	382	24	1,453	26	5,893	25								
		Total		30	100	1,563	100	5,596	100	24,036	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	2	7	149	10	417	7	2,025	8	2.9	2.7	.24	2.8	.16	2.7	.21	
		2	Some	8	27	515	33	1,788	32	7,810	33								
		3	Quite a bit	11	37	579	37	2,135	38	9,184	38								
		4	Very much	9	30	315	20	1,249	22	4,959	21								
		Total		30	100	1,558	100	5,589	100	23,978	100								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>															
				ASU				Southwest Public				Carnegie Class				NSSE 2016 & 2017				ASU				Your first-year students compared with			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your first-year students compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>						
<b>6. During the current school year, about how often have you done the following?</b>																											
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1 2 3 4	Never Sometimes Often Very often	1 8 13 8	3 27 43 27	97 508 656 299	6 33 42 19	347 1,781 2,407 1,051	6 32 43 19	1,408 7,754 10,208 4,640	6 32 43 19	2.9	2.7	.23	2.7	.23	2.8	.22									
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1 2 3 4	Never Sometimes Often Very often	6 14 5 5	20 47 17 17	297 614 459 187	19 39 29 12	1,005 2,290 1,622 669	18 41 29 12	4,305 9,808 6,987 2,909	18 41 29 12	2.3	2.3	-.05	2.3	-.05	2.4	-.06									
c. Evaluated what others have concluded from numerical information	QRevaluate	1 2 3 4	Never Sometimes Often Very often	8 10 8 4	27 33 27 13	235 667 504 158	15 43 32 10	855 2,349 1,767 608	15 42 32 11	3,344 10,126 7,837 2,706	14 42 33 11	2.3	2.4	-.12	2.4	-.13	2.4	-.17									
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)</b>																											
a. Up to 5 pages	wrshortnum	0 1.5 4 8 13 18 23	None 1-2 3-5 6-10 11-15 16-20 More than 20	2 5 15 5 0 0 3	7 17 50 17 0 0 10	132 380 516 308 125 48 51	8 24 33 20 8 3 3	278 1,100 1,784 1,390 544 255 239	5 20 32 25 10 5 4	1,198 4,612 7,734 5,813 2,435 1,060 1,129	5 19 32 24 10 4 5	5.9	5.6	.05	6.6	-.13	6.7	-.15									
b. Between 6 and 10 pages	wrmednum	0 1.5 4 8 13 18	None 1-2 3-5 6-10 11-15 16-20	13 10 7 0 0 0	43 33 23 0 0 0	699 497 224 85 28 11	45 32 14 5 2 1	1,828 2,267 1,017 280 70 35	33 41 18 5 1 1	7,780 9,436 4,471 1,460 381 132	33 40 19 6 2 1	1.4	2.0	-.17	2.2	-.24	2.3	-.26									

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## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions								Statistical Comparisons <sup>k</sup>								
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
		23	More than 20	0	0	10	1	29	1	111	0							
			Total	30	100	1,554	100	5,526	100	23,771	100							
c. 11 pages or more	wrlongnum	0	None	26	87	1,223	79	4,326	79	17,851	76	<b>.3</b>	.9 **	-0.21	.7	-0.18	.8	-0.21
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	3	10	202	13	868	16	4,213	18							
		4	3-5	1	3	51	3	155	3	808	3							
		8	6-10	0	0	35	2	72	1	417	2							
		13	11-15	0	0	18	1	47	1	184	1							
		18	16-20	0	0	6	0	15	0	68	0							
		23	More than 20	0	0	9	1	19	0	82	0							
			Total	30	100	1,544	100	5,502	100	23,623	100							
Estimated number of assigned pages of student writing.	wrpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									<b>33.4</b>	45.2	-0.17	46.9	-0.22	49.3	-0.26

#### 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	4	13	67	4	261	5	967	4	<b>3.1</b>	3.1	-0.09	3.1	.01	3.1	-0.03	
		2	Sometimes	2	7	323	21	1,361	24	5,732	24								
		3	Often	12	40	495	32	1,797	32	7,557	31								
		4	Very often	12	40	685	44	2,184	39	9,831	41								
			Total	30	100	1,570	100	5,603	100	24,087	100								
b. People from an economic background other than your own	DDeconomic	1	Never	3	10	76	5	232	4	872	4	<b>3.0</b>	3.1	-0.14	3.1	-0.10	3.1	-0.14	
		2	Sometimes	5	17	322	21	1,268	23	5,263	22								
		3	Often	12	40	555	35	2,080	37	8,861	37								
		4	Very often	10	33	616	39	2,017	36	9,063	38								
			Total	30	100	1,569	100	5,597	100	24,059	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	4	13	91	6	355	6	1,378	6	<b>2.9</b>	3.1	-0.20	3.0	-0.13	3.0	-0.17	
		2	Sometimes	6	20	366	23	1,420	25	5,879	24								
		3	Often	10	33	486	31	1,782	32	7,707	32								
		4	Very often	10	33	627	40	2,040	36	9,103	38								
			Total	30	100	1,570	100	5,597	100	24,067	100								
d. People with political	DDpolitical	1	Never	4	13	87	6	344	6	1,277	5								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

Item wording or description views other than your own	Variable name <sup>f</sup>	Values <sup>m</sup>	Response options	Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
		2	Sometimes	5	17	402	26	1,366	24	6,323	26	<b>2.9</b>	3.0	-.10	3.0	-.10	3.0	-.10	
		3	Often	11	37	513	33	1,891	34	7,881	33								
		4	Very often	10	33	564	36	1,995	36	8,577	36								
		Total		30	100	1,566	100	5,596	100	24,058	100								
<i>Your first-year students compared with</i>																			

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

a. Identified key information from reading assignments	LSreading	1	Never	1	3	18	1	65	1	303	1	<b>3.0</b>	3.1	-.04	3.1	-.08	3.1	-.09
		2	Sometimes	7	23	335	21	1,067	19	4,512	19							
		3	Often	12	40	741	47	2,769	50	11,694	49							
		4	Very often	10	33	470	30	1,691	30	7,549	31							
		Total		30	100	1,564	100	5,592	100	24,058	100							
b. Reviewed your notes after class	LSnotes	1	Never	0	0	52	3	202	4	837	3	<b>3.2</b>	3.0	.29	3.0	.24	3.0	.27
		2	Sometimes	5	17	449	29	1,435	26	6,488	27							
		3	Often	13	43	548	35	1,990	36	8,549	36							
		4	Very often	12	40	522	33	1,968	35	8,183	34							
		Total		30	100	1,571	100	5,595	100	24,057	100							
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	1	3	92	6	302	5	1,274	5	<b>2.9</b>	2.9	.08	2.9	.07	2.9	.07
		2	Sometimes	10	33	450	29	1,622	29	7,057	29							
		3	Often	9	30	600	38	2,138	38	9,236	38							
		4	Very often	10	33	421	27	1,517	27	6,439	27							
		Total		30	100	1,563	100	5,579	100	24,006	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	8	1	31	1	144	1	<b>5.8</b>	5.5	.24	5.6	.19	5.6	.18
		2		0	0	12	1	52	1	220	1							
		3		2	7	71	5	174	3	808	3							
		4		4	13	166	11	544	10	2,196	9							
		5		6	20	518	33	1,815	32	7,522	31							
		6		4	13	407	26	1,563	28	6,980	29							
		7	Very much	14	47	382	24	1,410	25	6,166	26							
		Total		30	100	1,564	100	5,589	100	24,036	100							

#### 11. Which of the following have you done or do you plan to do before you graduate?<sup>o</sup>

a. Participate in an intern	Have not decided	5	17	177	11	511	9	2,011	8	
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# NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		Your first-year students compared with						
				Count	%	Count	%	Count	%	Count	%	ASU	Southwest Public	Carnegie Class	NSSE 2016 & 2017	Mean	Effect size <sup>n</sup>	Mean
internship, co-op, field experience, student teaching, or clinical placement	<i>(Means indicate the percentage who responded "Done or in progress.")</i>		Do not plan to do	1	3	73	5	139	2	661	3	<b>10%</b>	8%	.05	8%	.08	9%	.05
			Plan to do	21	70	1,185	76	4,508	81	19,356	80							
			Done or in progress	3	10	132	8	439	8	2,052	9							
			Total	30	100	1,567	100	5,597	100	24,080	100							
b. Hold a formal leadership role in a student organization or group	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	leader	Have not decided	4	13	358	23	1,461	26	5,843	24	<b>13%</b>	12%	.05	12%	.05	12%	.03
			Do not plan to do	5	17	332	21	1,170	21	4,478	19							
			Plan to do	17	57	697	44	2,309	41	10,754	45							
			Done or in progress	4	13	182	12	655	12	2,987	12							
			Total	30	100	1,569	100	5,595	100	24,062	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	learncom	Have not decided	6	20	452	29	1,827	33	7,311	30	<b>13%</b>	15%	-.04	15%	-.05	16%	-.07
			Do not plan to do	5	17	339	22	1,307	23	5,976	25							
			Plan to do	15	50	546	35	1,619	29	6,940	29							
			Done or in progress	4	13	230	15	833	15	3,802	16							
			Total	30	100	1,567	100	5,586	100	24,029	100							
d. Participate in a study abroad program	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	abroad	Have not decided	5	17	415	26	1,585	28	6,158	26	<b>0%</b>	3%	-.36	3%	-.37	3%	-.35
			Do not plan to do	11	37	413	26	1,232	22	5,104	21							
			Plan to do	14	47	689	44	2,589	46	12,063	50							
			Done or in progress	0	0	51	3	187	3	721	3							
			Total	30	100	1,568	100	5,593	100	24,046	100							
e. Work with a faculty member on a research project	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	research	Have not decided	7	23	464	30	1,592	29	6,300	26	<b>0%</b>	7%	-.52	6%	-.51	8%	-.56
			Do not plan to do	5	17	226	14	652	12	2,435	10							
			Plan to do	18	60	773	49	2,978	53	13,466	56							
			Done or in progress	0	0	102	7	362	6	1,816	8							
			Total	30	100	1,565	100	5,584	100	24,017	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	capstone	Have not decided	7	23	479	31	1,682	30	6,659	28	<b>0%</b>	2%	-.28	2%	-.25	2%	-.26
			Do not plan to do	3	10	137	9	375	7	1,681	7							
			Plan to do	20	67	919	59	3,446	62	15,259	64							
			Done or in progress	0	0	30	2	85	2	416	2							
			Total	30	100	1,565	100	5,588	100	24,015	100							

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>															
				ASU				Southwest Public				Carnegie Class				NSSE 2016 & 2017				ASU				Your first-year students compared with			
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
Item wording or description	Variable name <sup>j</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>					
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																											
	servcourse	1	None	12	40	754	48	2,594	46	11,931	50	<b>1.8</b>	1.6	.29	1.6	.29	1.6 *	.36	▲								
		2	Some	12	40	668	43	2,508	45	10,247	43																
		3	Most	5	17	121	8	408	7	1,552	6																
		4	All	1	3	25	2	80	1	302	1																
		Total		30	100	1,568	100	5,590	100	24,032	100																
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																											
a. Students	QIstudent	1	Poor	1	3	19	1	90	2	323	1	<b>5.4</b>	5.4	-.01	5.4	-.05	5.5	-.08									
		2		0	0	43	3	89	2	440	2																
		3		1	3	77	5	298	5	1,229	5																
		4		6	20	205	13	675	12	2,777	12																
		5		7	23	456	29	1,502	27	6,415	27																
		6		7	23	365	23	1,492	27	6,570	27																
		7	Excellent	8	27	396	25	1,434	26	6,245	26																
		—	Not applicable	0	0	8	1	25	0	104	0																
		Total		30	100	1,569	100	5,605	100	24,103	100																
b. Academic advisors	QIadvisor	1	Poor	1	3	63	4	196	3	807	3	<b>5.1</b>	5.1	.05	5.1	.01	5.2	-.02									
		2		1	3	77	5	277	5	1,157	5																
		3		4	13	146	9	442	8	1,902	8																
		4		2	7	237	15	833	15	3,407	14																
		5		8	27	325	21	1,173	21	5,005	21																
		6		7	23	309	20	1,141	20	5,024	21																
		7	Excellent	7	23	393	25	1,437	26	6,414	27																
		—	Not applicable	0	0	18	1	107	2	371	2																
		Total		30	100	1,568	100	5,606	100	24,087	100																
c. Faculty	QIfaculty	1	Poor	0	0	36	2	87	2	408	2	<b>5.5</b>	5.1	.23	5.3	.11	5.3	.12									
		2		0	0	61	4	159	3	673	3																
		3		2	7	129	8	327	6	1,408	6																
		4		6	20	213	14	761	14	3,237	13																
		5		6	20	422	27	1,443	26	6,316	26																
		6		8	27	378	24	1,552	28	6,674	28																
		7	Excellent	8	27	306	20	1,213	22	5,132	21																

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		Your first-year students compared with							
				Count	%	Count	%	Count	%	Count	%	ASU	Southwest Public	Carnegie Class	NSSE 2016 & 2017	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
		—	Not applicable	0	0	18	1	49	1	177	1	4.8	5.0	-.11	5.0	-.15	5.1	-.18	
		Total		30	100	1,563	100	5,591	100	24,025	100								
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	0	0	58	4	210	4	823	3	4.8	5.0	-.11	5.0	-.15	5.1	-.18	
		2		3	10	77	5	221	4	938	4								
		3		3	10	122	8	414	7	1,736	7								
		4		5	17	232	15	746	13	3,357	14								
		5		7	23	346	22	1,258	23	5,393	22								
		6		8	27	331	21	1,216	22	5,304	22								
		7	Excellent	3	10	280	18	1,035	19	4,674	19								
		—	Not applicable	1	3	112	7	491	9	1,797	7								
		Total		30	100	1,558	100	5,591	100	24,022	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	Qladmin	1	Poor	1	3	62	4	225	4	899	4	5.2	4.9	.17	4.9	.14	5.0	.12	
		2		0	0	90	6	289	5	1,162	5								
		3		4	13	129	8	438	8	1,884	8								
		4		3	10	265	17	854	15	3,573	15								
		5		7	23	342	22	1,251	22	5,468	23								
		6		8	27	328	21	1,216	22	5,141	21								
		7	Excellent	6	20	280	18	1,005	18	4,358	18								
		—	Not applicable	1	3	69	4	321	6	1,581	7								
		Total		30	100	1,565	100	5,599	100	24,066	100								
<b>14. How much does your institution emphasize the following?</b>																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	0	0	26	2	49	1	248	1	3.3	3.2	.11	3.2	.03	3.3	.01	
		2	Some	4	13	249	16	770	14	3,159	13								
		3	Quite a bit	14	47	707	45	2,538	45	10,733	45								
		4	Very much	12	40	585	37	2,236	40	9,904	41								
		Total		30	100	1,567	100	5,593	100	24,044	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	1	3	48	3	157	3	604	3	3.0	3.1	-.16	3.1	-.19	3.1	-.23	
		2	Some	9	30	299	19	1,033	19	4,135	17								
		3	Quite a bit	10	33	671	43	2,381	43	10,348	43								
		4	Very much	10	33	546	35	1,995	36	8,856	37								
		Total		30	100	1,564	100	5,566	100	23,943	100								
c. Using learning support services (tutoring services, writing center)	SElearnsup	1	Very little	1	3	67	4	237	4	965	4								
		2	Some	8	27	253	16	894	16	3,652	15								



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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions								Statistical Comparisons <sup>k</sup>								
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		
Item wording or description (services, writing center, etc.)	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
		3	Quite a bit	8	27	569	36	2,083	37	9,070	38	<b>3.1</b>	3.2	-.10	3.2	-.09	3.2	-.12
		4	Very much	13	43	675	43	2,374	42	10,322	43							
			Total	30	100	1,564	100	5,588	100	24,009	100							
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	5	17	136	9	573	10	2,331	10	<b>2.6</b>	2.8	-.28	2.8	-.22	2.8	-.25
		2	Some	9	30	427	27	1,591	28	6,567	27							
		3	Quite a bit	10	33	562	36	1,951	35	8,507	35							
		4	Very much	6	20	436	28	1,468	26	6,593	27							
			Total	30	100	1,561	100	5,583	100	23,998	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	1	3	82	5	284	5	1,108	5	<b>3.0</b>	3.0	-.04	3.0	-.03	3.0	-.07
		2	Some	7	23	338	22	1,264	23	5,047	21							
		3	Quite a bit	14	47	645	41	2,235	40	9,905	41							
		4	Very much	8	27	499	32	1,803	32	7,934	33							
			Total	30	100	1,564	100	5,586	100	23,994	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	1	3	93	6	304	5	1,258	5	<b>3.0</b>	3.0	.02	3.0	.03	3.0	-.01
		2	Some	7	23	346	22	1,290	23	5,139	21							
		3	Quite a bit	13	43	615	39	2,241	40	9,733	41							
		4	Very much	9	30	504	32	1,743	31	7,844	33							
			Total	30	100	1,558	100	5,578	100	23,974	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	5	17	285	18	1,167	21	4,888	20	<b>2.5</b>	2.4	.10	2.4	.14	2.4	.13
		2	Some	11	37	589	38	2,030	36	8,794	37							
		3	Quite a bit	8	27	458	29	1,569	28	6,779	28							
		4	Very much	6	20	232	15	816	15	3,533	15							
			Total	30	100	1,564	100	5,582	100	23,994	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	0	0	122	8	464	8	1,632	7	<b>2.8</b>	2.8	-.03	2.8	-.03	2.9	-.10
		2	Some	11	37	417	27	1,465	26	6,000	25							
		3	Quite a bit	14	47	629	40	2,215	40	9,716	41							
		4	Very much	5	17	396	25	1,441	26	6,636	28							
			Total	30	100	1,564	100	5,585	100	23,984	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	2	7	234	15	698	12	2,788	12	<b>2.6</b>	2.5	.03	2.6	-.04	2.6	-.08
		2	Some	13	43	531	34	1,888	34	7,847	33							
		3	Quite a bit	11	37	519	33	1,946	35	8,513	36							
		4	Very much	4	13	279	18	1,054	19	4,823	20							

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions								Statistical Comparisons <sup>k</sup>									
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options Total	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
				30	100	1,563	100	5,586	100	23,971	100								
<b>15. About how many hours do you spend in a typical 7-day week doing the following?</b>																			
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	5	0	14	0	50	0	<b>16.2</b>	15.3	.10	16.0	.02	16.7	-.06	
	(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	4	13	166	11	523	9	1,975	8								
		8	6-10 hrs	6	20	359	23	1,079	19	4,361	18								
		13	11-15 hrs	4	13	348	22	1,251	22	5,001	21								
		18	16-20 hrs	8	27	296	19	1,176	21	5,144	21								
		23	21-25 hrs	3	10	171	11	714	13	3,533	15								
		28	26-30 hrs	1	3	103	7	422	8	1,956	8								
		33	More than 30 hrs	4	13	119	8	423	8	2,030	8								
			Total	30	100	1,567	100	5,602	100	24,050	100								
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	4	13	480	31	1,632	29	6,003	25	<b>9.8</b>	▲ 5.4 ***	.65	▲ 5.6 ***	.61	▲ 6.1 **	.54	
	(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	7	23	572	37	2,004	36	8,853	37								
		8	6-10 hrs	6	20	251	16	910	16	4,306	18								
		13	11-15 hrs	7	23	120	8	476	9	2,256	9								
		18	16-20 hrs	4	13	74	5	306	5	1,384	6								
		23	21-25 hrs	0	0	38	2	118	2	637	3								
		28	26-30 hrs	1	3	17	1	58	1	241	1								
		33	More than 30 hrs	1	3	15	1	63	1	282	1								
			Total	30	100	1,567	100	5,567	100	23,962	100								
c. Working for pay on campus	tmworkonhrs	0	0 hrs	27	90	1,331	85	4,456	80	18,506	77	<b>1.0</b>	2.1	-.20	2.1	-.23	▽ 2.4 *	-.27	
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	3	35	2	265	5	1,207	5								
		8	6-10 hrs	1	3	46	3	391	7	2,113	9								
		13	11-15 hrs	0	0	53	3	255	5	1,165	5								
		18	16-20 hrs	1	3	59	4	147	3	668	3								
		23	21-25 hrs	0	0	26	2	42	1	202	1								
		28	26-30 hrs	0	0	5	0	20	0	66	0								
		33	More than 30 hrs	0	0	10	1	14	0	83	0								
			Total	30	100	1,565	100	5,590	100	24,010	100								
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	14	47	1,068	68	3,894	70	17,873	74	<b>11.6</b>	5.4 *	.66	4.5 **	.83	3.8 **	.99	
	(Recorded version of tmworkoff created by NSSE. Values are estimated number	3	1-5 hrs	1	3	66	4	288	5	1,106	5								
		8	6-10 hrs	1	3	67	4	338	6	1,202	5								
		13	11-15 hrs	1	3	102	7	300	5	1,077	4								
		18	16-20 hrs	4	13	89	6	329	6	1,132	5								

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## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

			Frequency Distributions								Statistical Comparisons <sup>k</sup>							
			ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
	of hours per week.)	23	21-25 hrs	4	13	79	5	189	3	725	3							
		28	26-30 hrs	1	3	45	3	117	2	414	2		▲		▲		▲	
		33	More than 30 hrs	4	13	51	3	130	2	462	2							
	Total			30	100	1,567	100	5,585	100	23,991	100							
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											12.6	7.5 *	.44	6.6 *	.60	6.1 *	.67
												▲	▲		▲		▲	
e. Doing community service or volunteer work	tmservicehrs (Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	10	33	728	47	2,951	53	12,522	52							
		3	1-5 hrs	10	33	545	35	1,892	34	8,435	35							
		8	6-10 hrs	6	20	144	9	446	8	1,762	7							
		13	11-15 hrs	1	3	81	5	135	2	624	3							
		18	16-20 hrs	1	3	35	2	90	2	360	2							
		23	21-25 hrs	0	0	16	1	27	0	148	1							
		28	26-30 hrs	1	3	6	0	16	0	49	0							
		33	More than 30 hrs	1	3	10	1	18	0	78	0							
	Total			30	100	1,565	100	5,575	100	23,978	100	5.7	3.4	.42	2.6 *	.70	2.6 *	.71
												▲			▲		▲	
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs (Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	1	3	43	3	120	2	410	2							
		3	1-5 hrs	7	23	408	26	1,362	24	5,644	24							
		8	6-10 hrs	8	27	447	29	1,553	28	7,039	29							
		13	11-15 hrs	4	13	290	19	1,144	20	4,948	21							
		18	16-20 hrs	4	13	185	12	710	13	3,013	13							
		23	21-25 hrs	2	7	75	5	282	5	1,265	5							
		28	26-30 hrs	1	3	40	3	141	3	591	2							
		33	More than 30 hrs	3	10	77	5	273	5	1,084	5							
	Total			30	100	1,565	100	5,585	100	23,994	100	12.7	11.0	.21	11.4	.17	11.4	.17
												▲			▲		▲	
g. Providing care for dependents (children, parents, etc.)	tmcarehrs (Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	24	83	1,160	74	4,385	79	19,651	82							
		3	1-5 hrs	1	3	191	12	579	10	2,132	9							
		8	6-10 hrs	2	7	76	5	285	5	883	4							
		13	11-15 hrs	1	3	46	3	146	3	518	2							
		18	16-20 hrs	1	3	34	2	70	1	308	1							
		23	21-25 hrs	0	0	19	1	42	1	175	1							
		28	26-30 hrs	0	0	5	0	12	0	48	0							
	Total			30	100	1,565	100	5,585	100	23,994	100	1.7	2.6	-.14	1.9	-.03	1.7	.01

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions								Statistical Comparisons <sup>k</sup>									
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
		33	More than 30 hrs	0	0	34	2	64	1	267	1								
			Total	29	100	1,565	100	5,583	100	23,982	100								
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	7	24	462	30	2,537	45	11,413	47	<b>5.4</b>	5.1	.04	3.7	.30	3.4 *	.37	
	(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	14	48	639	41	1,867	33	8,062	34								
		8	6-10 hrs	4	14	235	15	688	12	2,558	11								
		13	11-15 hrs	1	3	110	7	249	4	978	4								
		18	16-20 hrs	2	7	48	3	119	2	477	2								
		23	21-25 hrs	0	0	29	2	46	1	212	1								
		28	26-30 hrs	0	0	10	1	27	0	101	0								
		33	More than 30 hrs	1	3	29	2	65	1	227	1								
			Total	29	100	1,562	100	5,598	100	24,028	100								
<b>16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																			
	reading	1	Very little	3	10	238	15	665	12	2,853	12	<b>2.8</b>	2.6	.19	2.7	.13	2.7	.12	
		2	Some	9	30	568	36	2,022	36	8,548	36								
		3	About half	10	33	420	27	1,606	29	7,017	29								
		4	Most	6	20	231	15	957	17	4,202	17								
		5	Almost all	2	7	111	7	349	6	1,413	6								
			Total	30	100	1,568	100	5,599	100	24,033	100								
	tmreadinghrs											<b>8.2</b>	6.7	.25	7.1	.18	7.4	.13	
	(Continuous variable created by NSSE. Calculated as a proportion of tmrephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)																		
	tmreadinghrscol	1	0 hrs	0	0	5	0	14	0	49	0								
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	13	43	848	54	2,686	48	10,952	46								
		3	More than 5, up to 10 hrs	9	30	400	26	1,665	30	7,225	30								
		4	More than 10, up to 15 hrs	3	10	141	9	585	10	2,808	12								
		5	More than 15, up to 20 hrs	2	7	79	5	312	6	1,495	6								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

Item wording or description	Variable name <sup>f</sup>	Values <sup>m</sup>	Response options	Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
		6	More than 20, up to 25 hrs	3	10	65	4	242	4	1,061	4								
		7	More than 25 hrs	0	0	26	2	82	1	369	2								
			Total	30	100	1,564	100	5,586	100	23,959	100								
<b>17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</b>																			
a. Writing clearly and effectively	pgwrite	1	Very little	1	3	132	8	342	6	1,840	8	2.8	2.8	.02	2.8	-.05	2.8	.00	
		2	Some	10	33	469	30	1,585	28	6,922	29								
		3	Quite a bit	14	47	623	40	2,442	44	10,156	42								
		4	Very much	5	17	344	22	1,218	22	5,084	21								
			Total	30	100	1,568	100	5,587	100	24,002	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	2	7	164	11	611	11	3,013	13	2.8	2.7	.20	2.7	.20	2.6	.26	
		2	Some	9	30	534	34	1,803	32	8,021	33								
		3	Quite a bit	11	37	543	35	2,101	38	8,674	36								
		4	Very much	8	27	317	20	1,077	19	4,317	18								
			Total	30	100	1,558	100	5,592	100	24,025	100								
c. Thinking critically and analytically	pgthink	1	Very little	2	7	43	3	153	3	684	3	3.0	3.1	-.08	3.1	-.10	3.1	-.11	
		2	Some	5	17	306	20	1,018	18	4,236	18								
		3	Quite a bit	13	43	669	43	2,470	44	10,703	45								
		4	Very much	10	33	549	35	1,955	35	8,412	35								
			Total	30	100	1,567	100	5,596	100	24,035	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	2	7	96	6	379	7	1,672	7	2.8	2.9	-.14	2.8	-.09	2.8	-.08	
		2	Some	10	33	417	27	1,525	27	6,606	27								
		3	Quite a bit	11	37	624	40	2,260	40	9,747	41								
		4	Very much	7	23	430	27	1,433	26	6,025	25								
			Total	30	100	1,567	100	5,597	100	24,050	100								
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	6	20	255	16	859	15	3,705	15	2.6	2.5	.06	2.5	.05	2.5	.05	
		2	Some	9	30	546	35	1,978	35	8,406	35								
		3	Quite a bit	7	23	478	31	1,768	32	7,681	32								
		4	Very much	8	27	286	18	989	18	4,246	18								
			Total	30	100	1,565	100	5,594	100	24,038	100								
f. Working effectively	pgothers	1	Very little	2	7	104	7	348	6	1,567	7								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions								Statistical Comparisons <sup>k</sup>								
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		
Item wording or description with others	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>		Mean	Effect size <sup>n</sup>	
				Your first-year students compared with														
		2	Some	7	23	422	27	1,509	27	6,779	28	<b>2.9</b>	2.9	.04	2.9	.06	2.8	.08
		3	Quite a bit	13	43	626	40	2,367	42	9,886	41							
		4	Very much	8	27	416	27	1,374	25	5,817	24							
			Total	30	100	1,568	100	5,598	100	24,049	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	3	10	196	12	630	11	2,749	11	<b>2.6</b>	2.7	-.12	2.7	-.14	2.7	-.14
		2	Some	13	43	462	29	1,626	29	7,084	29							
		3	Quite a bit	8	27	551	35	2,139	38	8,924	37							
		4	Very much	6	20	360	23	1,211	22	5,297	22							
			Total	30	100	1,569	100	5,606	100	24,054	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	3	10	133	8	551	10	2,351	10	<b>2.8</b>	2.9	-.10	2.8	-.01	2.8	-.01
		2	Some	9	31	414	26	1,589	28	6,852	28							
		3	Quite a bit	9	31	568	36	2,046	37	8,810	37							
		4	Very much	8	28	453	29	1,412	25	6,040	25							
			Total	29	100	1,568	100	5,598	100	24,053	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	5	17	186	12	630	11	2,737	11	<b>2.6</b>	2.6	-.02	2.6	-.01	2.6	-.02
		2	Some	9	30	537	34	1,932	35	8,188	34							
		3	Quite a bit	9	30	531	34	2,028	36	8,548	36							
		4	Very much	7	23	312	20	1,004	18	4,571	19							
			Total	30	100	1,566	100	5,594	100	24,044	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	5	17	173	11	663	12	2,761	11	<b>2.6</b>	2.7	-.07	2.6	-.01	2.7	-.05
		2	Some	8	28	482	31	1,807	32	7,530	31							
		3	Quite a bit	9	31	573	37	2,033	36	8,758	36							
		4	Very much	7	24	340	22	1,084	19	4,970	21							
			Total	29	100	1,568	100	5,587	100	24,019	100							
<b>18. How would you evaluate your entire educational experience at this institution?</b>																		
	evalexp	1	Poor	0	0	30	2	97	2	422	2	<b>3.2</b>	3.2	.06	3.2	.06	3.2	.02
		2	Fair	2	7	201	13	727	13	2,900	12							
		3	Good	19	63	780	50	2,797	50	11,686	49							
		4	Excellent	9	30	556	35	1,991	35	9,070	38							
			Total	30	100	1,567	100	5,612	100	24,078	100							

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

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### First-Year Students<sup>a</sup> in Bio, Agric, & Nat Res

Item wording or description	Variable name <sup>j</sup>	Values <sup>m</sup>	Response options	Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
	sameinst	1	Definitely no	1	3	52	3	249	4	916	4	<b>3.3</b>	3.2	.19	3.2	.21	3.2	.16	
	2	Probably no	4	13	226	14	731	13	3,007	12									
	3	Probably yes	9	30	676	43	2,487	44	10,360	43									
	4	Definitely yes	16	53	614	39	2,149	38	9,829	41									
	Total	30	100	1,568	100	5,616	100	24,112	100										

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with					
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
<b>1. During the current school year, about how often have you done the following?</b>																			
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	1	4	89	5	110	2	618	2	<b>3.1</b>	2.9	.28	3.1	.02	3.0	.08	
		2	Sometimes	6	23	578	33	1,553	26	6,923	28								
		3	Often	8	31	552	32	1,869	32	8,029	32								
		4	Very often	11	42	520	30	2,371	40	9,397	38								
		Total		26	100	1,739	100	5,903	100	24,967	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	3	12	357	21	1,149	19	5,194	21	<b>2.3</b>	2.4	-.01	2.4	-.07	2.4	-.03	
		2	Sometimes	13	50	668	38	2,149	36	9,232	37								
		3	Often	8	31	451	26	1,591	27	6,504	26								
		4	Very often	2	8	261	15	1,004	17	3,989	16								
		Total		26	100	1,737	100	5,893	100	24,919	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	0	0	114	7	297	5	1,421	6	<b>3.3</b>	2.9 *	.45	3.0	.34	3.0 *	.41	
		2	Often	2	8	288	17	791	13	3,751	15								
		3	Sometimes	15	58	974	56	3,366	57	14,364	58								
		4	Never	9	35	364	21	1,442	24	5,401	22								
		Total		26	100	1,740	100	5,896	100	24,937	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	11	42	773	44	2,588	44	9,699	39	<b>1.7</b>	1.8	-.13	1.8	-.15	1.9	-.24	
		2	Sometimes	13	50	689	40	2,331	39	10,457	42								
		3	Often	2	8	210	12	701	12	3,398	14								
		4	Very often	0	0	71	4	288	5	1,415	6								
		Total		26	100	1,743	100	5,908	100	24,969	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	1	4	141	8	435	7	1,812	7	<b>2.7</b>	2.6	.13	2.7	.08	2.7	.08	
		2	Sometimes	11	42	716	41	2,288	39	9,683	39								
		3	Often	8	31	558	32	2,019	34	8,662	35								
		4	Very often	6	23	326	19	1,157	20	4,797	19								
		Total		26	100	1,741	100	5,899	100	24,954	100								
f. Explained course material to one or more students	CLexplain	1	Never	0	0	49	3	116	2	469	2	<b>2.9</b>	2.9	-.04	3.0	-.13	3.0	-.11	
		2	Sometimes	9	35	517	30	1,592	27	6,888	28								
		3	Often	11	42	703	40	2,422	41	10,403	42								
		4	Very often	6	23	472	27	1,771	30	7,199	29								
		Total		26	100	1,741	100	5,901	100	24,959	100								



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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with					
Item wording or description	Variable name <sup>j</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	2	8	194	11	603	10	2,559	10	2.8	2.7	.13	2.7	.08	2.7	.11	
		2	Sometimes	7	27	596	34	1,925	33	8,403	34								
		3	Often	11	42	526	30	1,840	31	7,848	31								
		4	Very often	6	23	425	24	1,537	26	6,164	25								
		Total		26	100	1,741	100	5,905	100	24,974	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	0	0	77	4	220	4	946	4	2.8	2.8	.00	2.9	-.08	2.9	-.04	
		2	Sometimes	9	35	554	32	1,679	28	7,643	31								
		3	Often	12	46	665	38	2,389	40	9,815	39								
		4	Very often	5	19	443	25	1,619	27	6,570	26								
		Total		26	100	1,739	100	5,907	100	24,974	100								
i. Given a course presentation	present	1	Never	4	15	235	13	493	8	2,155	9	2.4	2.5	-.13	2.7	-.35	2.7	-.31	
		2	Sometimes	10	38	640	37	1,932	33	8,692	35								
		3	Often	9	35	553	32	2,068	35	8,623	35								
		4	Very often	3	12	317	18	1,419	24	5,521	22								
		Total		26	100	1,745	100	5,912	100	24,991	100								
<b>2. During the current school year, about how often have you done the following?</b>																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	1	4	54	3	167	3	638	3	2.8	2.9	-.18	3.0	-.26	3.0	-.25	
		2	Sometimes	9	35	507	29	1,506	26	6,582	26								
		3	Often	11	42	705	41	2,489	42	10,582	42								
		4	Very often	5	19	474	27	1,743	30	7,161	29								
		Total		26	100	1,740	100	5,905	100	24,963	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	2	8	159	9	410	7	1,547	6	2.5	2.6	-.09	2.7	-.22	2.7	-.24	
		2	Sometimes	12	46	659	38	2,061	35	8,656	35								
		3	Often	8	31	610	35	2,139	36	9,268	37								
		4	Very often	4	15	309	18	1,289	22	5,481	22								
		Total		26	100	1,737	100	5,899	100	24,952	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	3	12	325	19	869	15	3,380	14	2.2	2.3	-.12	2.4	-.24	2.5	-.27	
		2	Sometimes	15	58	708	41	2,422	41	10,250	41								
		3	Often	7	27	481	28	1,709	29	7,461	30								
		4	Very often	1	4	222	13	907	15	3,860	15								
		Total		26	100	1,736	100	5,907	100	24,951	100								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with					
Item wording or description	Variable name <sup>j</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	2	8	120	7	319	5	1,190	5	2.7	2.7	-.11	2.8	-.13	2.8	-.15	
		2	Sometimes	9	35	550	32	1,951	33	8,012	32								
		3	Often	11	42	724	42	2,457	42	10,842	43								
		4	Very often	4	15	348	20	1,170	20	4,884	20								
		Total		26	100	1,742	100	5,897	100	24,928	100								
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	Rlperspect	1	Never	0	0	67	4	218	4	764	3	3.1	2.9	.22	2.9	.21	2.9	.20	
		2	Sometimes	6	23	461	26	1,595	27	6,724	27								
		3	Often	12	46	786	45	2,604	44	11,187	45								
		4	Very often	8	31	426	24	1,487	25	6,274	25								
		Total		26	100	1,740	100	5,904	100	24,949	100								
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	2	8	42	2	108	2	469	2	2.8	2.9	-.10	3.0	-.14	3.0	-.14	
		2	Sometimes	7	27	483	28	1,599	27	6,603	26								
		3	Often	10	38	771	44	2,661	45	11,382	46								
		4	Very often	7	27	438	25	1,528	26	6,474	26								
		Total		26	100	1,734	100	5,896	100	24,928	100								
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	0	0	24	1	45	1	176	1	3.1	3.1	-.04	3.2	-.11	3.2	-.12	
		2	Sometimes	5	19	296	17	916	16	3,733	15								
		3	Often	13	50	816	47	2,784	47	11,909	48								
		4	Very often	8	31	595	34	2,145	36	9,078	36								
		Total		26	100	1,731	100	5,890	100	24,896	100								
<b>3. During the current school year, about how often have you done the following?</b>																			
a. Talked about career plans with a faculty member	SFcareer	1	Never	1	4	293	17	644	11	2,871	12	3.0	2.5 **	.57	2.6	.37	2.6 *	.42	
		2	Sometimes	8	31	678	39	2,233	38	9,650	39								
		3	Often	7	27	459	26	1,625	28	6,997	28								
		4	Very often	10	38	309	18	1,397	24	5,408	22								
		Total		26	100	1,739	100	5,899	100	24,926	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	4	15	598	34	1,826	31	7,664	31	2.6	2.1 *	.45	2.2	.32	2.2	.35	
		2	Sometimes	8	31	580	33	1,863	32	8,210	33								
		3	Often	9	35	323	19	1,205	20	5,093	20								
		4	Very often	5	19	239	14	998	17	3,938	16								
		Total		26	100	1,740	100	5,892	100	24,905	100								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with					
Item wording or description	Variable name <sup>j</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	3	12	408	24	1,030	17	4,413	18	2.5	2.2	.25	2.4	.06	2.4	.11	
		2	Sometimes	11	42	715	41	2,376	40	10,539	42								
		3	Often	9	35	418	24	1,553	26	6,430	26								
		4	Very often	3	12	193	11	930	16	3,511	14								
		Total		26	100	1,734	100	5,889	100	24,893	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	1	4	386	22	1,094	19	4,916	20	2.5	2.2	.38	2.3	.22	2.3	.29	
		2	Sometimes	13	50	793	46	2,525	43	11,146	45								
		3	Often	9	35	390	22	1,457	25	5,853	24								
		4	Very often	3	12	169	10	813	14	2,980	12								
		Total		26	100	1,738	100	5,889	100	24,895	100								
<b>4. During the current school year, how much has your coursework emphasized the following?</b>																			
a. Memorizing course material	memorize	1	Very little	0	0	54	3	165	3	741	3	3.2	3.1	.05	3.1	.08	3.1	.09	
		2	Some	5	19	334	19	1,190	20	4,982	20								
		3	Quite a bit	12	46	715	41	2,515	43	10,692	43								
		4	Very much	9	35	635	37	2,030	34	8,536	34								
		Total		26	100	1,738	100	5,900	100	24,951	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	1	4	51	3	117	2	547	2	3.1	3.1	.00	3.2	-.12	3.1	-.07	
		2	Some	5	19	332	19	944	16	4,261	17								
		3	Quite a bit	11	42	784	45	2,659	45	11,566	46								
		4	Very much	9	35	571	33	2,183	37	8,560	34								
		Total		26	100	1,738	100	5,903	100	24,934	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	0	0	80	5	191	3	859	3	2.8	3.0	-.23	3.1	-.35	3.0	-.29	
		2	Some	11	42	382	22	1,127	19	5,282	21								
		3	Quite a bit	9	35	734	42	2,518	43	10,729	43								
		4	Very much	6	23	541	31	2,062	35	8,050	32								
		Total		26	100	1,737	100	5,898	100	24,920	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	2	8	131	8	370	6	1,613	6	2.7	2.8	-.10	2.9	-.16	2.8	-.13	
		2	Some	8	31	468	27	1,553	26	6,773	27								
		3	Quite a bit	11	42	720	41	2,443	41	10,316	41								
		4	Very much	5	19	418	24	1,530	26	6,208	25								
		Total		26	100	1,737	100	5,896	100	24,910	100								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with					
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	0	0	102	6	277	5	1,203	5	<b>2.9</b>	2.9	-.01	2.9	-.08	2.9	-.03	
		2	Some	8	31	446	26	1,432	24	6,425	26								
		3	Quite a bit	13	50	729	42	2,508	43	10,749	43								
		4	Very much	5	19	459	26	1,680	28	6,533	26								
		Total		26	100	1,736	100	5,897	100	24,910	100								
<b>5. During the current school year, to what extent have your instructors done the following?</b>																			
a. Clearly explained course goals and requirements	ETgoals	1	Very little	0	0	31	2	89	2	363	1	<b>3.2</b>	3.1	.02	3.2	-.06	3.2	-.03	
		2	Some	5	19	329	19	908	15	3,923	16								
		3	Quite a bit	12	46	751	43	2,629	45	11,599	46								
		4	Very much	9	35	627	36	2,275	39	9,068	36								
		Total		26	100	1,738	100	5,901	100	24,953	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	1	4	47	3	153	3	562	2	<b>2.9</b>	3.1	-.18	3.1	-.24	3.1	-.24	
		2	Some	5	19	338	19	1,042	18	4,409	18								
		3	Quite a bit	15	58	814	47	2,713	46	11,882	48								
		4	Very much	5	19	538	31	1,993	34	8,100	32								
		Total		26	100	1,737	100	5,901	100	24,953	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	1	4	38	2	98	2	434	2	<b>3.2</b>	3.2	.03	3.2	-.07	3.2	-.05	
		2	Some	5	19	305	18	863	15	3,661	15								
		3	Quite a bit	8	31	713	41	2,439	41	10,633	43								
		4	Very much	12	46	678	39	2,494	42	10,197	41								
		Total		26	100	1,734	100	5,894	100	24,925	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	3	12	214	12	569	10	2,632	11	<b>2.7</b>	2.6	.05	2.8	-.08	2.7	-.03	
		2	Some	7	28	581	34	1,755	30	7,802	31								
		3	Quite a bit	10	40	560	32	2,096	36	8,751	35								
		4	Very much	5	20	376	22	1,470	25	5,728	23								
		Total		25	100	1,731	100	5,890	100	24,913	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	0	0	151	9	353	6	1,750	7	<b>2.9</b>	2.7	.22	2.9	.08	2.8	.15	
		2	Some	9	35	563	33	1,610	27	7,321	29								
		3	Quite a bit	10	38	632	36	2,480	42	10,220	41								
		4	Very much	7	27	386	22	1,450	25	5,586	22								
		Total		26	100	1,732	100	5,893	100	24,877	100								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions										Statistical Comparisons <sup>k</sup>							
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
<b>6. During the current school year, about how often have you done the following?</b>																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	3	12	98	6	241	4	1,086	4	<b>2.4</b>	▼ 2.8 *	-0.51	▼ 2.9 ***	-0.65	▼ 2.9 **	-0.61	
		2	Sometimes	11	42	520	30	1,572	27	6,955	28								
		3	Often	11	42	723	42	2,430	41	10,350	42								
		4	Very often	1	4	390	23	1,655	28	6,522	26								
			Total	26	100	1,731	100	5,898	100	24,913	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	3	12	284	16	818	14	3,413	14	<b>2.4</b>	2.4	-0.02	2.6	-0.16	2.6	-0.14	
		2	Sometimes	11	42	674	39	2,037	35	8,921	36								
		3	Often	10	38	504	29	1,861	32	7,913	32								
		4	Very often	2	8	273	16	1,178	20	4,663	19								
			Total	26	100	1,735	100	5,894	100	24,910	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	3	12	223	13	566	10	2,299	9	<b>2.4</b>	2.5	-0.16	2.7	-0.30	2.7	-0.31	
		2	Sometimes	12	46	651	38	2,044	35	8,660	35								
		3	Often	9	35	579	33	2,121	36	9,096	36								
		4	Very often	2	8	281	16	1,167	20	4,885	20								
			Total	26	100	1,734	100	5,898	100	24,940	100								
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)</b>																			
a. Up to 5 pages	wrshortnum	0	None	2	8	172	10	321	5	1,482	6	<b>8.2</b>	6.2	.32	7.3	.14	7.2	.16	
	(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	8	31	435	25	1,138	19	4,903	20								
		4	3-5	7	27	494	29	1,738	30	7,368	30								
		8	6-10	0	0	318	18	1,301	22	5,382	22								
		13	11-15	3	12	126	7	617	11	2,559	10								
		18	16-20	1	4	77	4	316	5	1,353	5								
		23	More than 20	5	19	108	6	429	7	1,737	7								
			Total	26	100	1,730	100	5,860	100	24,784	100								
b. Between 6 and 10 pages	wrmednum	0	None	12	48	559	32	1,354	23	5,811	24	<b>1.3</b>	▼ 2.8 *	-0.36	▼ 3.2 **	-0.46	▼ 3.1 **	-0.45	
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	11	44	597	35	2,213	38	9,380	38								
		4	3-5	1	4	358	21	1,385	24	5,944	24								
		8	6-10	0	0	122	7	567	10	2,260	9								
		13	11-15	1	4	49	3	170	3	718	3								
		18	16-20	0	0	16	1	85	1	290	1								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions								Statistical Comparisons <sup>k</sup>									
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
		23	More than 20	0	0	24	1	68	1	265	1								
			Total	25	100	1,725	100	5,842	100	24,668	100								
c. 11 pages or more	wrlongnum	0	None	21	81	958	56	2,899	50	11,811	48	<b>1.0</b>	1.5	-.17	1.6	-.19	1.6	-.19	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	3	12	524	30	2,091	36	9,271	38								
		4	3-5	0	0	134	8	514	9	2,248	9								
		8	6-10	1	4	49	3	180	3	684	3								
		13	11-15	1	4	30	2	72	1	296	1								
		18	16-20	0	0	12	1	38	1	125	1								
		23	More than 20	0	0	14	1	36	1	167	1								
			Total	26	100	1,721	100	5,830	100	24,602	100								
Estimated number of assigned pages of student writing.	wrpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									<b>42.1</b>	63.1	-.25	70.3	-.35	69.1	-.34	
<b>8. During the current school year, about how often have you had discussions with people from the following groups?</b>																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	1	4	97	6	327	6	1,193	5	<b>3.1</b>	3.2	-.10	3.1	.02	3.1	.02	
		2	Sometimes	8	31	315	18	1,395	24	6,272	25								
		3	Often	5	19	522	30	1,770	30	7,396	30								
		4	Very often	12	46	806	46	2,417	41	10,114	40								
			Total	26	100	1,740	100	5,909	100	24,975	100								
b. People from an economic background other than your own	DDeconomic	1	Never	1	4	92	5	233	4	904	4	<b>3.1</b>	3.1	-.02	3.1	.04	3.1	.04	
		2	Sometimes	5	19	317	18	1,321	22	5,663	23								
		3	Often	10	38	599	34	2,099	36	8,834	35								
		4	Very often	10	38	729	42	2,238	38	9,525	38								
			Total	26	100	1,737	100	5,891	100	24,926	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	2	8	102	6	324	5	1,351	5	<b>2.8</b>	3.1	-.31	3.0	-.20	3.0	-.19	
		2	Sometimes	9	35	330	19	1,405	24	6,190	25								
		3	Often	6	23	536	31	1,946	33	7,946	32								
		4	Very often	9	35	772	44	2,227	38	9,466	38								
			Total	26	100	1,740	100	5,902	100	24,953	100								
d. People with political	DDpolitical	1	Never	1	4	112	6	307	5	1,276	5								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res





		Frequency Distributions								Statistical Comparisons <sup>k</sup>								
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count		Count		Count		Count		Mean	Mean	Effect size <sup>n</sup>		Effect size <sup>n</sup>		
				Count	%	Count	%	Count	%	Count	%			Mean	Mean	Mean	Mean	
views other than your own		2	Sometimes	6	23	419	24	1,539	26	7,099	28	<b>3.1</b>	3.0	.11	3.0	.13	3.0	.17
		3	Often	8	31	545	31	1,915	32	7,828	31							
		4	Very often	11	42	658	38	2,136	36	8,724	35							
			Total	26	100	1,734	100	5,897	100	24,927	100							
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<b>9. During the current school year, about how often have you done the following?</b>																		
a. Identified key information from reading assignments	LSreading	1	Never	1	4	38	2	90	2	400	2	<b>3.0</b>	3.2	-.20	3.2	-.26	3.2	-.26
		2	Sometimes	2	8	285	16	948	16	3,953	16							
		3	Often	19	73	793	46	2,577	44	10,987	44							
		4	Very often	4	15	622	36	2,289	39	9,621	39							
			Total	26	100	1,738	100	5,904	100	24,961	100							
b. Reviewed your notes after class	LSnotes	1	Never	0	0	100	6	310	5	1,513	6	<b>2.8</b>	2.9	-.15	3.0	-.17	2.9	-.10
		2	Sometimes	11	42	482	28	1,623	28	7,429	30							
		3	Often	9	35	582	33	1,952	33	8,023	32							
		4	Very often	6	23	578	33	2,016	34	7,988	32							
			Total	26	100	1,742	100	5,901	100	24,953	100							
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	1	4	128	7	356	6	1,503	6	<b>2.7</b>	2.9	-.14	2.9	-.20	2.9	-.17
		2	Sometimes	9	35	477	28	1,598	27	7,077	28							
		3	Often	12	46	635	37	2,167	37	9,109	37							
		4	Very often	4	15	492	28	1,767	30	7,195	29							
			Total	26	100	1,732	100	5,888	100	24,884	100							
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<b>10. During the current school year, to what extent have your courses challenged you to do your best work?</b>																		
	challenge	1	Not at all	0	0	21	1	43	1	187	1	<b>5.9</b>	5.6	.23	5.7	.16	5.6	.23
		2		0	0	19	1	66	1	278	1							
		3		0	0	73	4	174	3	859	3							
		4		1	4	179	10	502	9	2,310	9							
		5		9	35	460	26	1,600	27	7,290	29							
		6		8	31	472	27	1,696	29	7,330	29							
		7	Very much	8	31	513	30	1,810	31	6,657	27							
			Total	26	100	1,737	100	5,891	100	24,911	100							
<hr/>																		
<b>11. Which of the following have you done or do you plan to do before you graduate?<sup>o</sup></b>																		
a. Participate in an internship	intern		Have not decided	4	15	187	11	520	9	1,964	8							

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

			Frequency Distributions								Statistical Comparisons <sup>k</sup>							
			ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with					
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
internship, co-op, field experience, student teaching, or clinical placement	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	Do not plan to do	4	15	251	14	901	15	3,500	14	<b>31%</b>	41%	-.20	49%	-.38	55% *		-.49
		Plan to do	10	38	595	34	1,572	27	5,860	23								
		Done or in progress	8	31	704	41	2,910	49	13,634	55								
		Total	26	100	1,737	100	5,903	100	24,958	100								
b. Hold a formal leadership role in a student organization or group	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	1	4	187	11	557	9	2,008	8	<b>65%</b>		.53	42% *	.48	48%	.35	
		Do not plan to do	6	23	672	39	2,444	41	9,218	37								
		Plan to do	2	8	199	11	439	7	1,760	7								
		Done or in progress	17	65	676	39	2,468	42	11,966	48								
		Total	26	100	1,734	100	5,908	100	24,952	100								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	6	23	276	16	787	13	2,920	12	<b>27%</b>	24%	.08	25%	.05	26%	.02	
		Do not plan to do	13	50	822	47	3,094	53	13,478	54								
		Plan to do	0	0	226	13	542	9	1,989	8								
		Done or in progress	7	27	408	24	1,467	25	6,522	26								
		Total	26	100	1,732	100	5,890	100	24,909	100								
d. Participate in a study abroad program	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	2	8	267	15	698	12	2,517	10	<b>8%</b>	12%	-.14	15%	-.24	20%	-.37	
		Do not plan to do	20	77	1,054	61	3,886	66	15,654	63								
		Plan to do	2	8	211	12	425	7	1,769	7								
		Done or in progress	2	8	203	12	893	15	5,002	20								
		Total	26	100	1,735	100	5,902	100	24,942	100								
e. Work with a faculty member on a research project	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	6	23	257	15	690	12	2,512	10	<b>31%</b>	34%	-.07	45%	-.30	49%	-.37	
		Do not plan to do	9	35	492	28	1,654	28	6,926	28								
		Plan to do	3	12	395	23	875	15	3,351	13								
		Done or in progress	8	31	594	34	2,685	45	12,143	49								
		Total	26	100	1,738	100	5,904	100	24,932	100								
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	<i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	4	15	251	14	560	9	2,026	8	<b>12%</b>		-.59	49% ***	-.85	50% ***		-.87
		Do not plan to do	9	35	412	24	1,251	21	5,918	24								
		Plan to do	10	38	451	26	1,215	21	4,639	19								
		Done or in progress	3	12	620	36	2,875	49	12,361	50								
		Total	26	100	1,734	100	5,901	100	24,944	100								



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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU				NSSE 2016 & 2017				Your seniors compared with							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																			
	servcourse	1	None	11	42	811	47	2,394	41	10,703	43	<b>1.7</b>	1.6	.02	1.7	-.05	1.6	.01	
		2	Some	13	50	766	44	3,046	52	12,609	51								
		3	Most	2	8	127	7	366	6	1,344	5								
		4	All	0	0	29	2	94	2	267	1								
			Total	26	100	1,733	100	5,900	100	24,923	100								
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																			
a. Students	QIstudent	1	Poor	0	0	33	2	54	1	294	1	<b>5.6</b>	5.5	.08	5.6	-.01	5.6	.03	
		2		0	0	33	2	91	2	364	1								
		3		2	8	91	5	199	3	1,001	4								
		4		2	8	196	11	621	11	2,572	10								
		5		8	31	406	23	1,473	25	6,449	26								
		6		6	23	464	27	1,714	29	7,352	29								
		7	Excellent	8	31	509	29	1,734	29	6,882	28								
		—	Not applicable	0	0	9	1	25	0	77	0								
			Total	26	100	1,741	100	5,911	100	24,991	100								
b. Academic advisors	QIadvisor	1	Poor	2	8	135	8	320	5	1,275	5	<b>5.0</b>	4.9	.09	5.1	-.05	5.1	-.05	
		2		1	4	97	6	311	5	1,384	6								
		3		3	12	183	11	447	8	1,961	8								
		4		1	4	244	14	767	13	3,234	13								
		5		4	15	299	17	1,147	19	4,740	19								
		6		11	42	308	18	1,104	19	4,922	20								
		7	Excellent	4	15	448	26	1,749	30	7,217	29								
		—	Not applicable	0	0	24	1	65	1	227	1								
			Total	26	100	1,738	100	5,910	100	24,960	100								
c. Faculty	QIfaculty	1	Poor	0	0	47	3	65	1	338	1	<b>5.6</b>	5.3	.18	5.6	.03	5.5	.09	
		2		1	4	50	3	114	2	518	2								
		3		0	0	95	5	252	4	1,147	5								
		4		3	12	231	13	629	11	2,818	11								
		5		7	27	395	23	1,337	23	6,094	24								
		6		8	31	463	27	1,818	31	7,595	31								
		7	Excellent	7	27	441	25	1,658	28	6,305	25								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

Item wording or description	Variable name <sup>f</sup>	Values <sup>m</sup>	Response options	Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
		—	Not applicable	0	0	9	1	20	0	83	0	<b>4.8</b>	4.7	.09	4.8	-.01	4.8	.01
		Total		26	100	1,731	100	5,893	100	24,898	100							
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	1	4	119	7	285	5	1,179	5	<b>4.8</b>	4.7	.09	4.8	-.01	4.8	.01
		2		1	4	88	5	260	4	1,228	5							
		3		3	12	164	9	452	8	2,056	8							
		4		4	15	257	15	897	15	3,791	15							
		5		4	15	297	17	1,227	21	5,375	22							
		6		7	27	266	15	1,041	18	4,576	18							
		7	Excellent	3	12	287	17	939	16	3,827	15							
		—	Not applicable	3	12	258	15	804	14	2,902	12							
		Total		26	100	1,736	100	5,905	100	24,934	100							
e. Other administrative staff and offices (registrar, financial aid, etc.)	Qladmin	1	Poor	1	4	123	7	323	5	1,350	5	<b>5.4</b>	4.7 *	.41	4.8	.35	4.8	.39
		2		0	0	107	6	326	6	1,423	6							
		3		3	12	163	9	534	9	2,271	9							
		4		2	8	307	18	941	16	4,254	17							
		5		4	15	372	21	1,372	23	5,901	24							
		6		8	31	286	16	1,167	20	4,786	19							
		7	Excellent	7	27	306	18	1,024	17	3,870	16							
		—	Not applicable	1	4	76	4	218	4	1,100	4							
		Total		26	100	1,740	100	5,905	100	24,955	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	39	2	82	1	345	1	<b>3.2</b>	3.2	-.05	3.3	-.14	3.3	-.13
		2	Some	5	19	267	15	786	13	3,315	13							
		3	Quite a bit	12	46	750	43	2,580	44	11,011	44							
		4	Very much	9	35	686	39	2,463	42	10,292	41							
		Total		26	100	1,742	100	5,911	100	24,963	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	0	0	89	5	234	4	1,008	4	<b>3.1</b>	2.9	.16	3.0	.08	3.0	.10
		2	Some	8	31	402	23	1,244	21	5,497	22							
		3	Quite a bit	8	31	764	44	2,646	45	11,097	45							
		4	Very much	10	38	479	28	1,761	30	7,290	29							
		Total		26	100	1,734	100	5,885	100	24,892	100							
c. Using learning support services (tutoring services, writing center)	SElearnsup	1	Very little	3	12	127	7	399	7	1,587	6							
		2	Some	7	27	410	24	1,381	23	5,819	23							

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions								Statistical Comparisons <sup>k</sup>								
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with						
Item wording or description (services, writing center, etc.)	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
		3	Quite a bit	7	27	646	37	2,321	39	9,883	40	<b>2.8</b>	2.9	-.10	2.9	-.10	2.9	-.11
		4	Very much	9	35	556	32	1,802	31	7,650	31							
			Total	26	100	1,739	100	5,903	100	24,939	100							
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	3	12	282	16	934	16	3,910	16	<b>2.5</b>	2.6	-.12	2.6	-.09	2.6	-.07
		2	Some	10	38	499	29	1,824	31	8,089	32							
		3	Quite a bit	10	38	565	32	1,879	32	7,764	31							
		4	Very much	3	12	396	23	1,263	21	5,170	21							
			Total	26	100	1,742	100	5,900	100	24,933	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	2	8	138	8	424	7	1,595	6	<b>3.0</b>	2.8	.12	2.9	.12	2.9	.09
		2	Some	5	19	453	26	1,530	26	6,435	26							
		3	Quite a bit	11	42	680	39	2,407	41	10,186	41							
		4	Very much	8	31	467	27	1,535	26	6,699	27							
			Total	26	100	1,738	100	5,896	100	24,915	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	0	0	191	11	536	9	2,090	8	<b>3.1</b>	2.7 *	.40	2.8 *	.34	2.8	.32
		2	Some	5	20	487	28	1,612	27	6,650	27							
		3	Quite a bit	12	48	638	37	2,221	38	9,693	39							
		4	Very much	8	32	425	24	1,524	26	6,492	26							
			Total	25	100	1,741	100	5,893	100	24,925	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	10	40	589	34	1,978	34	8,220	33	<b>2.1</b>	2.1	.00	2.1	.02	2.1	.02
		2	Some	6	24	610	35	2,153	36	9,353	38							
		3	Quite a bit	6	24	357	21	1,199	20	5,034	20							
		4	Very much	3	12	185	11	572	10	2,311	9							
			Total	25	100	1,741	100	5,902	100	24,918	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	3	12	200	11	815	14	2,795	11	<b>2.9</b>	2.7	.22	2.6	.31	2.7	.22
		2	Some	5	20	564	32	1,906	32	7,694	31							
		3	Quite a bit	9	36	579	33	2,092	35	9,199	37							
		4	Very much	8	32	397	23	1,085	18	5,227	21							
			Total	25	100	1,740	100	5,898	100	24,915	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	5	20	357	21	1,114	19	4,158	17	<b>2.3</b>	2.3	-.01	2.4	-.07	2.4	-.12
		2	Some	10	40	678	39	2,166	37	9,382	38							
		3	Quite a bit	7	28	471	27	1,819	31	7,766	31							
		4	Very much	3	12	231	13	791	13	3,594	14							

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

Item wording or description		Variable name <sup>l</sup>		Values <sup>m</sup>		Response options Total		Frequency Distributions								Statistical Comparisons <sup>k</sup>													
								ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017							
								Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>						
<b>15. About how many hours do you spend in a typical 7-day week doing the following?</b>								<i>Your seniors compared with</i>																					
								25		1,737		5,890		24,900															
								100		100		100		100		15.1		15.4		-0.03		17.0		-0.21		16.9		-0.20	
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprphrs	0	0 hrs	0	0	0	0 hrs	4	16	634	37	2,133	36	7,400	30	<b>15.1</b>	15.4	-0.03	17.0	-0.21	16.9	-0.20							
	(Recorded version of tmprphrs created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	8	217	12	543	9	2,250	9																		
		8	6-10 hrs	7	27	391	22	1,075	18	4,680	19																		
		13	11-15 hrs	5	19	329	19	1,195	20	4,960	20																		
		18	16-20 hrs	4	15	335	19	1,139	19	4,906	20																		
		23	21-25 hrs	6	23	207	12	773	13	3,306	13																		
		28	26-30 hrs	2	8	103	6	497	8	2,037	8																		
		33	More than 30 hrs	0	0	154	9	676	11	2,764	11																		
			Total	26	100	1,741	100	5,907	100	24,961	100																		
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	4	16	634	37	2,133	36	7,400	30	<b>6.7</b>	5.2	.23	5.4	.19	6.1	.09											
	(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	11	44	551	32	1,898	32	8,269	33																		
		8	6-10 hrs	4	16	242	14	843	14	4,134	17																		
		13	11-15 hrs	2	8	152	9	426	7	2,270	9																		
		18	16-20 hrs	3	12	88	5	291	5	1,424	6																		
		23	21-25 hrs	1	4	36	2	140	2	712	3																		
		28	26-30 hrs	0	0	10	1	67	1	300	1																		
		33	More than 30 hrs	0	0	23	1	98	2	405	2																		
			Total	25	100	1,736	100	5,896	100	24,914	100																		
c. Working for pay on campus	tmworkonhrs	0	0 hrs	17	65	1,218	70	3,725	63	14,446	58	<b>4.9</b>	4.4	.06	4.3	.09	4.9	.00											
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	2	8	52	3	433	7	1,998	8																		
		8	6-10 hrs	2	8	99	6	669	11	3,432	14																		
		13	11-15 hrs	0	0	126	7	470	8	2,275	9																		
		18	16-20 hrs	4	15	164	9	418	7	1,818	7																		
		23	21-25 hrs	0	0	47	3	97	2	557	2																		
		28	26-30 hrs	0	0	18	1	35	1	200	1																		
		33	More than 30 hrs	1	4	18	1	52	1	213	1																		
			Total	26	100	1,742	100	5,899	100	24,939	100																		
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	14	54	810	47	2,678	45	13,291	53	<b>10.4</b>	10.8	-0.03	10.1	.03	8.3	.19											
	(Recorded version of tmworkoff created by NSSE. Values are estimated number	3	1-5 hrs	1	4	87	5	350	6	1,400	6																		
		8	6-10 hrs	0	0	101	6	465	8	1,708	7																		
		13	11-15 hrs	0	0	98	6	458	8	1,812	7																		
		18	16-20 hrs	5	19	168	10	634	11	2,202	9																		

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions										Statistical Comparisons <sup>k</sup>						
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
	of hours per week.)	23	21-25 hrs	2	8	172	10	459	8	1,640	7							
		28	26-30 hrs	0	0	98	6	315	5	1,066	4							
		33	More than 30 hrs	4	15	204	12	540	9	1,779	7							
	Total			26	100	1,738	100	5,899	100	24,898	100							
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											<b>15.3</b>	15.2	.01	14.3	.08	13.1	.18
e. Doing community service or volunteer work	tmservicehrs (Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	7	28	694	40	2,633	45	10,497	42							
		3	1-5 hrs	14	56	658	38	2,218	38	10,107	41							
		8	6-10 hrs	3	12	229	13	595	10	2,538	10							
		13	11-15 hrs	1	4	72	4	219	4	897	4							
		18	16-20 hrs	0	0	38	2	121	2	444	2							
		23	21-25 hrs	0	0	22	1	53	1	183	1							
		28	26-30 hrs	0	0	9	1	15	0	72	0							
		33	More than 30 hrs	0	0	15	1	44	1	166	1							
	Total			25	100	1,737	100	5,898	100	24,904	100	<b>3.2</b>	3.8	-.12	3.3	-.03	3.3	-.03
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs (Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	0	0	51	3	150	3	557	2							
		3	1-5 hrs	13	50	572	33	1,722	29	6,618	27							
		8	6-10 hrs	10	38	485	28	1,727	29	7,515	30							
		13	11-15 hrs	1	4	305	18	1,086	18	4,776	19							
		18	16-20 hrs	0	0	178	10	634	11	2,806	11							
		23	21-25 hrs	1	4	51	3	254	4	1,173	5							
		28	26-30 hrs	0	0	39	2	116	2	537	2							
		33	More than 30 hrs	1	4	60	3	211	4	938	4							
	Total			26	100	1,741	100	5,900	100	24,920	100	<b>7.2</b>	9.8	-.33	10.3 *	-.40	10.7 *	-.44
g. Providing care for dependents (children, parents, etc.)	tmcarehrs (Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	20	77	1,149	66	4,187	71	18,971	76							
		3	1-5 hrs	2	8	230	13	623	11	2,448	10							
		8	6-10 hrs	2	8	103	6	318	5	1,061	4							
		13	11-15 hrs	0	0	61	4	179	3	572	2							
		18	16-20 hrs	0	0	39	2	124	2	406	2							
		23	21-25 hrs	0	0	25	1	50	1	201	1							
		28	26-30 hrs	0	0	20	1	38	1	139	1							
	Total			20	77	1,149	66	4,187	71	18,971	76	<b>3.4</b>	4.4	-.12	3.9	-.06	3.0	.05

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions								Statistical Comparisons <sup>k</sup>									
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017			
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
		33	More than 30 hrs	2	8	108	6	362	6	1,091	4								
			Total	26	100	1,735	100	5,881	100	24,889	100								
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	3	12	136	8	971	16	5,019	20	<b>3.6</b>	6.3 **	-.42	5.3	-.28	4.8	-.21	
	(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	21	81	941	54	3,119	53	13,235	53								
		8	6-10 hrs	1	4	395	23	1,112	19	4,194	17								
		13	11-15 hrs	0	0	141	8	399	7	1,409	6								
		18	16-20 hrs	0	0	62	4	129	2	480	2								
		23	21-25 hrs	1	4	23	1	56	1	208	1								
		28	26-30 hrs	0	0	9	1	31	1	105	0								
		33	More than 30 hrs	0	0	36	2	95	2	324	1								
			Total	26	100	1,743	100	5,912	100	24,974	100								
<b>16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																			
	reading	1	Very little	1	4	276	16	934	16	3,785	15	<b>2.3</b>	2.7 *	-.32	2.6 *	-.30	2.7 *	-.33	
		2	Some	18	69	568	33	1,985	34	8,246	33								
		3	About half	5	19	460	26	1,582	27	6,728	27								
		4	Most	2	8	331	19	1,053	18	4,619	19								
		5	Almost all	0	0	107	6	351	6	1,564	6								
			Total	26	100	1,742	100	5,905	100	24,942	100								
	tmreadinghrs		(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)									<b>5.5</b>	6.9	-.23	7.4	-.29	7.5	-.31	
	tmreadinghrscol	1	0 hrs	0	0	5	0	9	0	57	0								
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	17	65	882	51	2,764	47	11,395	46								
		3	More than 5, up to 10 hrs	5	19	471	27	1,717	29	7,405	30								
		4	More than 10, up to 15 hrs	2	8	167	10	619	11	2,745	11								
		5	More than 15, up to 20 hrs	1	4	103	6	375	6	1,673	7								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
		6	More than 20, up to 25 hrs	1	4	78	4	281	5	1,160	5								
		7	More than 25 hrs	0	0	30	2	125	2	441	2								
			Total	26	100	1,736	100	5,890	100	24,876	100								
<b>17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</b>																			
a. Writing clearly and effectively	pgwrite	1	Very little	1	4	127	7	297	5	1,412	6	3.1	2.9	.21	3.0	.11	3.0	.12	
		2	Some	4	15	421	24	1,316	22	5,603	22								
		3	Quite a bit	13	50	705	41	2,451	42	10,102	41								
		4	Very much	8	31	486	28	1,825	31	7,800	31								
			Total	26	100	1,739	100	5,889	100	24,917	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	0	0	156	9	414	7	1,895	8	3.3	2.8 ***	.58	2.9 *	.50	2.9 *	.50	
		2	Some	2	8	482	28	1,492	25	6,288	25								
		3	Quite a bit	13	50	633	36	2,284	39	9,492	38								
		4	Very much	11	42	466	27	1,717	29	7,278	29								
			Total	26	100	1,737	100	5,907	100	24,953	100								
c. Thinking critically and analytically	pgthink	1	Very little	0	0	46	3	125	2	519	2	3.2	3.2	-.01	3.3	-.15	3.3	-.14	
		2	Some	4	15	253	15	672	11	2,937	12								
		3	Quite a bit	12	46	675	39	2,171	37	9,191	37								
		4	Very much	10	38	766	44	2,938	50	12,321	49								
			Total	26	100	1,740	100	5,906	100	24,968	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	2	8	87	5	195	3	923	4	2.8	3.0	-.21	3.2	-.38	3.1	-.32	
		2	Some	6	23	386	22	1,065	18	4,905	20								
		3	Quite a bit	12	46	664	38	2,215	38	9,462	38								
		4	Very much	6	23	607	35	2,429	41	9,665	39								
			Total	26	100	1,744	100	5,904	100	24,955	100								
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	3	12	216	12	653	11	2,729	11	2.8	2.7	.11	2.8	.05	2.8	.05	
		2	Some	7	27	532	31	1,693	29	7,208	29								
		3	Quite a bit	8	31	546	31	1,972	33	8,397	34								
		4	Very much	8	31	448	26	1,596	27	6,645	27								
			Total	26	100	1,742	100	5,914	100	24,979	100								
f. Working effectively	pgothers	1	Very little	0	0	108	6	264	4	1,161	5								

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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions								Statistical Comparisons <sup>k</sup>									
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Your seniors compared with							
Item wording or description with others	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
		2	Some	6	23	412	24	1,350	23	5,714	23	<b>3.1</b>	3.0	.14	3.0	.08	3.0	.09	
		3	Quite a bit	12	46	669	38	2,370	40	10,128	41								
		4	Very much	8	31	549	32	1,918	32	7,940	32								
			Total	26	100	1,738	100	5,902	100	24,943	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	3	12	258	15	702	12	3,003	12	<b>2.7</b>	2.7	.01	2.8	-.07	2.8	-.07	
		2	Some	8	31	474	27	1,627	28	6,806	27								
		3	Quite a bit	9	35	573	33	1,975	33	8,353	33								
		4	Very much	6	23	437	25	1,605	27	6,812	27								
			Total	26	100	1,742	100	5,909	100	24,974	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	1	4	216	12	710	12	2,850	11	<b>2.7</b>	2.8	-.06	2.7	-.02	2.7	-.04	
		2	Some	11	42	483	28	1,784	30	7,449	30								
		3	Quite a bit	9	35	560	32	1,925	33	8,243	33								
		4	Very much	5	19	485	28	1,488	25	6,423	26								
			Total	26	100	1,744	100	5,907	100	24,965	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	2	8	228	13	605	10	2,440	10	<b>2.9</b>	2.7	.23	2.7	.18	2.8	.18	
		2	Some	7	27	516	30	1,739	29	7,408	30								
		3	Quite a bit	8	31	561	32	2,096	35	8,920	36								
		4	Very much	9	35	435	25	1,465	25	6,187	25								
			Total	26	100	1,740	100	5,905	100	24,955	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	4	15	263	15	820	14	3,307	13	<b>2.6</b>	2.6	.02	2.6	-.01	2.7	-.04	
		2	Some	7	27	552	32	1,886	32	7,740	31								
		3	Quite a bit	10	38	544	31	1,851	31	8,068	32								
		4	Very much	5	19	379	22	1,329	23	5,776	23								
			Total	26	100	1,738	100	5,886	100	24,891	100								
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	0	0	58	3	133	2	598	2	<b>3.6</b>	3.2 **	.57	3.2 **	.51	3.3 *	.48	
		2	Fair	0	0	252	14	752	13	3,009	12								
		3	Good	10	38	780	45	2,648	45	10,880	44								
		4	Excellent	16	62	652	37	2,375	40	10,478	42								
			Total	26	100	1,742	100	5,908	100	24,965	100								

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



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

## Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

### Angelo State University

#### Seniors<sup>a</sup> in Bio, Agric, & Nat Res

		Frequency Distributions								Statistical Comparisons <sup>k</sup>							
		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
Item wording or description	Variable name <sup>l</sup>	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
	sameinst																
	1 Definitely no	0	0	101	6	289	5	1,211	5	<b>3.6</b>							
	2 Probably no	2	8	257	15	924	16	3,514	14		3.1 **	.54	3.1 **	.56	3.2 **	.52	
	3 Probably yes	6	23	674	39	2,354	40	9,944	40		▲		▲		▲		
	4 Definitely yes	18	69	708	41	2,340	40	10,324	41								
	Total	26	100	1,740	100	5,907	100	24,993	100								

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

Respondent Profile: Bio, Agric, & Nat Res

Angelo State University

## Bio, Agric, & Nat Res

### First-Year Students<sup>a</sup>

### Seniors<sup>a</sup>

Item wording or description	Variable name	Response options	First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
20a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One	25	83	1,366	87	4,796	85	19,954	83	23	88	1,461	84	4,979	84	20,596	82
		More than one	5	17	206	13	827	15	4,218	17	3	12	286	16	948	16	4,458	18
		Total	30	100	1,572	100	5,623	100	24,172	100	26	100	1,747	100	5,927	100	25,054	100
First major or expected first major, in NSSE's default related-major categories.  <i>(This does not reflect any customization made for the Major Field Report.)</i>	MAJfirstcol  <i>(Recoded from MAJfirst.)</i>	Arts & Humanities	0	0	4	0	16	0	126	1	0	0	4	0	27	0	135	1
		Biological Sci., Agriculture, & Natural Resources	28	93	1,510	96	5,417	96	23,103	96	26	100	1,655	95	5,605	95	23,759	95
		Physical Sci., Mathematics, & Computer Science	0	0	8	1	40	1	176	1	0	0	19	1	73	1	259	1
		Social Sciences	0	0	11	1	33	1	247	1	0	0	22	1	50	1	302	1
		Business	0	0	4	0	21	0	83	0	0	0	6	0	18	0	73	0
		Communications, Media, & Public Relations	0	0	0	0	3	0	22	0	0	0	1	0	2	0	29	0
		Education	0	0	5	0	13	0	44	0	0	0	3	0	17	0	52	0
		Engineering	0	0	7	0	12	0	69	0	0	0	7	0	8	0	53	0
		Health Professions	1	3	19	1	45	1	220	1	0	0	19	1	59	1	249	1
		Social Service Professions	1	3	4	0	17	0	53	0	0	0	4	0	53	1	95	0
		All Other	0	0	0	0	6	0	26	0	0	0	6	0	13	0	42	0
		Undecided, Undeclared	0	0	0	0	0	0	2	0	0	0	0	0	1	0	3	0
		Total	30	100	1,572	100	5,623	100	24,171	100	26	100	1,746	100	5,926	100	25,051	100
Second major or expected second major, in NSSE's default related-major categories.  <i>(This does not reflect any customization made for the Major Field Report.)</i>	MAJsecondcol  <i>(Recoded from MAJsecond.)</i>	Arts & Humanities	0	0	26	13	108	13	642	15	0	0	17	6	102	11	584	13
		Biological Sci., Agriculture, & Natural Resources	3	60	88	43	303	37	1,685	40	0	0	138	48	464	49	2,009	45
		Physical Sci., Mathematics, & Computer Science	1	20	24	12	96	12	412	10	0	0	26	9	93	10	352	8
		Social Sciences	0	0	26	13	111	13	648	15	3	100	28	10	104	11	683	15
		Business	0	0	6	3	28	3	129	3	0	0	3	1	11	1	75	2
		Communications, Media, & Public Relations	0	0	2	1	4	0	28	1	0	0	3	1	6	1	42	1
		Education	0	0	2	1	24	3	87	2	0	0	6	2	26	3	95	2
		Engineering	0	0	1	0	11	1	36	1	0	0	3	1	5	1	48	1
		Health Professions	1	20	18	9	95	12	345	8	0	0	47	16	89	9	375	8
		Social Service Professions	0	0	8	4	22	3	84	2	0	0	4	1	19	2	63	1
		All Other	0	0	2	1	13	2	55	1	0	0	8	3	14	1	83	2
		Undecided, Undeclared	0	0	2	1	10	1	51	1	0	0	2	1	12	1	36	1
		Total	5	100	205	100	825	100	4,202	100	3	100	285	100	945	100	4,445	100
21. What is your class level?	class	Freshman/First-year	19	63	1,289	83	4,959	89	21,645	90	0	0	5	0	6	0	34	0
		Sophomore	11	37	221	14	523	9	1,926	8	0	0	17	1	25	0	184	1
		Junior	0	0	35	2	80	1	339	1	2	8	156	9	425	7	2,149	9
		Senior	0	0	10	1	15	0	68	0	23	92	1,529	88	5,312	90	22,138	89

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

Respondent Profile: Bio, Agric, & Nat Res

Angelo State University

## Bio, Agric, & Nat Res

### First-Year Students<sup>a</sup>

### Seniors<sup>a</sup>

Item wording or description	Variable name	Response options	First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
		Unclassified	0	0	4	0	19	0	69	0	0	0	35	2	132	2	439	2
		Total	30	100	1,559	100	5,596	100	24,047	100	25	100	1,742	100	5,900	100	24,944	100
22. Thinking about this current academic term, are you a full-time student?	fulltime	No	1	3	43	3	124	2	489	2	2	8	316	18	770	13	3,071	12
		Yes	28	97	1,508	97	5,434	98	23,425	98	23	92	1,411	82	5,092	87	21,722	88
		Total	29	100	1,551	100	5,558	100	23,914	100	25	100	1,727	100	5,862	100	24,793	100
23a. How many courses are you taking for credit this current academic term?	coursenum	0	0	3	0	19	0	60	0	1	4	32	2	113	2	417	2	
		1	0	5	0	17	0	70	0	0	0	34	2	106	2	418	2	
		2	0	14	1	47	1	160	1	3	12	107	6	296	5	1,066	4	
		3	2	48	3	309	6	966	4	1	4	184	11	688	12	2,818	11	
		4	9	386	25	1,548	28	7,397	31	6	24	500	29	1,794	30	8,027	32	
		5	13	543	35	1,916	34	8,187	34	12	48	465	27	1,604	27	6,912	28	
		6	5	325	21	983	18	4,124	17	1	4	213	12	691	12	2,876	12	
		7 or more	1	3	235	15	753	13	3,092	13	1	4	204	12	607	10	2,419	10
		Total	30	100	1,559	100	5,592	100	24,056	100	25	100	1,739	100	5,899	100	24,953	100
b. Of these, how many are entirely online?	onlinenum	0	21	70	1,214	78	4,821	87	20,750	87	11	44	1,239	72	4,719	80	19,892	80
		1	9	30	242	16	547	10	2,299	10	7	28	325	19	805	14	3,502	14
		2	0	0	63	4	112	2	506	2	7	28	109	6	210	4	890	4
		3	0	0	17	1	36	1	180	1	0	0	42	2	72	1	306	1
		4	0	0	4	0	13	0	78	0	0	0	5	0	37	1	131	1
		5	0	0	6	0	18	0	60	0	0	0	2	0	7	0	35	0
		6	0	0	0	0	4	0	24	0	0	0	5	0	14	0	37	0
		7 or more	0	0	1	0	8	0	32	0	0	0	2	0	10	0	42	0
		Total	30	100	1,547	100	5,559	100	23,929	100	25	100	1,729	100	5,874	100	24,835	100
Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum.)	onlinecscol	No courses taken online	21	70	1,214	78	4,821	87	20,748	87	11	44	1,239	72	4,719	80	19,892	80
		Some courses taken online	9	30	316	20	672	12	2,911	12	11	44	461	27	1,025	17	4,546	18
		All courses taken online	0	0	17	1	66	1	268	1	3	12	29	2	130	2	397	2
		Total	30	100	1,547	100	5,559	100	23,927	100	25	100	1,729	100	5,874	100	24,835	100
24. What have most of your grades been up to now at this institution?	grades	C- or lower	3	10	30	2	87	2	350	1	0	0	12	1	27	0	118	0
		C	2	7	50	3	165	3	628	3	0	0	55	3	153	3	602	2
		C+	2	7	87	6	257	5	1,079	4	2	8	92	5	314	5	1,081	4
		B-	0	0	92	6	384	7	1,535	6	2	8	154	9	448	8	1,774	7
		B	6	20	241	15	1,022	18	4,265	18	3	12	366	21	1,146	19	4,748	19
		B+	4	13	260	17	1,071	19	4,394	18	5	20	303	17	1,091	19	4,666	19
		A-	5	17	317	20	1,081	19	4,941	21	7	28	278	16	1,140	19	5,002	20
		A	8	27	480	31	1,518	27	6,813	28	6	24	476	27	1,569	27	6,923	28
		Total	30	100	1,557	100	5,585	100	24,005	100	25	100	1,736	100	5,888	100	24,914	100

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

Respondent Profile: Bio, Agric, & Nat Res

## Angelo State University

### Bio, Agric, & Nat Res

### First-Year Students<sup>a</sup>

### Seniors<sup>a</sup>

Item wording or description	Variable name	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
			25. Did you begin college at this institution or elsewhere?	begincol	Started here	25	83	1,372	88	5,175	93	22,337	93	17	68	825	48	3,599
		Started elsewhere	5	17	183	12	403	7	1,655	7	8	32	906	52	2,292	39	8,123	33
		Total	30	100	1,555	100	5,578	100	23,992	100	25	100	1,731	100	5,891	100	24,915	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 attend_com attend_col attend_none attend_other	Vocational or technical school Community or junior college 4-year college or university other than this one None Other	0 4 2 24 0	0 13 7 80 0	36 224 132 1,136 38	2 14 9 73 2	124 443 415 4,517 136	2 8 7 81 2	469 1,829 1,763 19,557 589	2 8 7 82 2	0 9 5 11 1	0 38 21 46 4	103 978 459 509 46	6 57 27 30 3	337 2,343 1,339 2,602 191	6 40 23 44 3	1,158 7,906 5,499 12,662 747	5 32 22 51 3
27. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree Bachelor's degree (B.A., B.S., etc.) Master's degree (M.A., M.S., etc.) Doctoral or professional degree (Ph.D., J.D., M.D., etc.) Total	2 9 6 12 29	7 31 21 41 100	72 272 305 904 1,553	5 18 20 58 100	299 886 1,277 3,102 5,564	5 16 23 56 100	1,149 3,677 5,087 14,041 23,954	5 15 21 59 100	0 6 6 13 25	0 24 24 52 100	110 349 396 871 1,726	6 20 23 50 100	258 1,192 1,636 2,797 5,883	4 20 28 48 100	911 4,546 6,602 12,826 24,885	4 18 27 52 100
28. What is the highest level of education completed by either of your parents (or those who raised you)?	parented	Did not finish high school High school diploma or G.E.D. Attended college, but did not complete degree Associate's degree (A.A., A.S., etc.) Bachelor's degree (B.A., B.S., etc.) Master's degree (M.A., M.S., etc.) Doctoral or professional degree (Ph.D., J.D., M.D., etc.) Total	1 11 3 4 6 1 3 29	3 38 10 14 21 3 10 100	152 268 173 135 417 268 133 1,546	10 17 11 9 27 17 9 100	324 977 611 576 1,559 1,069 436 5,552	6 18 11 10 28 19 8 100	1,091 3,443 2,316 2,253 6,747 5,392 2,628 23,870	5 14 10 9 28 23 11 100	0 4 2 6 5 6 2 25	0 16 8 24 20 24 8 100	151 325 192 161 451 280 167 1,727	9 19 11 9 26 16 10 100	343 1,025 625 656 1,686 1,069 463 5,867	6 17 11 11 29 18 8 100	1,094 3,630 2,297 2,397 7,184 5,254 2,987 24,843	4 15 9 10 29 21 12 100
First-generation status (Neither parent holds a bachelor's degree.)	firstgen (Recoded from parented.)	Not first-generation First-generation Total	10 19 29	34 66 100	818 728 1,546	53 47 100	3,064 2,488 5,552	55 45 100	14,767 9,103 23,870	62 38 100	13 12 25	52 48 100	898 829 1,727	52 48 100	3,218 2,649 5,867	55 45 100	15,425 9,418 24,843	62 38 100
29. What is your gender identity?	genderid	Man Woman Another gender identity I prefer not to respond Total	9 21 0 0 30	30 70 0 0 100	452 1,073 14 16 1,555	29 69 1 1 100	1,406 4,081 41 46 5,574	25 73 1 1 100	6,631 16,925 204 215 23,975	28 71 1 1 100	7 16 0 2 25	28 64 0 8 100	571 1,114 13 32 1,730	33 64 1 2 100	1,796 3,972 46 73 5,887	31 67 1 1 100	8,055 16,322 210 309 24,896	32 66 1 1 100
30. Enter your year of birth	agecat	19 or younger	28	93	1,449	94	5,171	93	22,265	94	0	0	33	2	57	1	279	1

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

Respondent Profile: Bio, Agric, & Nat Res

## Angelo State University

### Bio, Agric, & Nat Res

#### First-Year Students<sup>a</sup>

#### Seniors<sup>a</sup>

Item wording or description (e.g., 1994):	Variable name	Response options	First-Year Students <sup>a</sup>								Seniors <sup>a</sup>								
			ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
	(Recoded from the information entered in birthyear.)	20-23	2	7	71	5	258	5	1,192	5	22	92	1,147	67	4,281	73	19,475	79	
		24-29	0	0	11	1	60	1	196	1	1	4	361	21	951	16	3,267	13	
		30-39	0	0	9	1	24	0	84	0	1	4	137	8	397	7	1,236	5	
		40-55	0	0	1	0	19	0	52	0	0	0	37	2	120	2	409	2	
		Over 55	0	0	1	0	2	0	8	0	0	0	5	0	25	0	58	0	
		Total	30	100	1,542	100	5,534	100	23,797	100	24	100	1,720	100	5,831	100	24,724	100	
31a.	Are you an international student?	internat	No	28	97	1,488	97	5,389	97	22,860	96	25	100	1,654	97	5,718	98	24,026	97
			Yes	1	3	52	3	161	3	919	4	0	0	54	3	115	2	660	3
			Total	29	100	1,540	100	5,550	100	23,779	100	25	100	1,708	100	5,833	100	24,686	100
	[If answered "yes"] Country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file.	countrycol	Africa Sub-Saharan	0	0	10	20	19	13	123	14	0	0	4	8	15	14	88	14
			Asia	1	100	14	28	47	32	375	44	0	0	13	25	31	28	234	39
			Canada	0	0	1	2	10	7	49	6	0	0	6	11	15	14	56	9
			Europe	0	0	2	4	23	16	93	11	0	0	2	4	21	19	77	13
			Latin America and Caribbean	0	0	21	42	25	17	150	17	0	0	21	40	15	14	110	18
			Middle East and North Africa	0	0	1	2	20	14	59	7	0	0	5	9	11	10	35	6
			Oceania	0	0	1	2	1	1	12	1	0	0	2	4	1	1	7	1
			Unknown region/uncoded	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
			Total	1	100	50	100	145	100	862	100	0	0	53	100	109	100	607	100
32.	What is your racial or ethnic identification? (Select all that apply.)	re_amind	American Indian or Alaska Native	2	7	64	4	119	2	546	2	0	0	79	5	141	2	527	2
		re_asian	Asian	1	3	272	18	624	11	3,041	13	0	0	290	17	647	11	2,805	11
		re_black	Black or African American	3	10	143	9	579	10	2,539	11	1	4	114	7	353	6	1,699	7
		re_latino	Hispanic or Latino	11	37	548	35	862	16	3,179	13	3	12	526	30	674	12	2,657	11
		re_pacific	Native Hawaiian or Other Pacific Islander	0	0	22	1	86	2	294	1	0	0	18	1	65	1	215	1
		re_white	White	18	60	661	43	3,578	64	15,707	66	18	72	837	49	4,089	70	17,536	71
		re_other	Other	0	0	29	2	157	3	629	3	3	12	45	3	183	3	715	3
		re_pnr	I prefer not to respond	1	3	41	3	144	3	594	2	2	8	62	4	250	4	955	4
	Racial or ethnic identification	re_all	American Indian or Alaska Native	0	0	21	1	26	0	108	0	0	0	19	1	28	0	108	0
			Asian	1	3	233	15	491	9	2,398	10	0	0	247	14	510	9	2,229	9
		re_amind to	Black or African American	2	7	109	7	458	8	1,976	8	0	0	84	5	278	5	1,350	5
		re_pnr	Hispanic or Latino	7	23	428	28	633	11	2,215	9	2	8	415	24	484	8	1,826	7
		where each student is represented only once.)	Native Hawaiian/Other Pac. Islander	0	0	7	0	28	1	82	0	0	0	5	0	16	0	62	0
			White	15	50	487	31	3,186	57	13,856	58	16	64	659	38	3,718	63	15,910	64
			Other	0	0	16	1	94	2	365	2	3	12	21	1	106	2	416	2
			Multiracial	4	13	207	13	500	9	2,282	10	2	8	213	12	470	8	1,965	8
			I prefer not to respond	1	3	41	3	144	3	594	2	2	8	62	4	250	4	955	4

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

Respondent Profile: Bio, Agric, & Nat Res

Angelo State University

## Bio, Agric, & Nat Res

### First-Year Students<sup>a</sup>

### Seniors<sup>a</sup>

Item wording or description	Variable name	Response options	First-Year Students <sup>a</sup>								Seniors <sup>a</sup>								
			ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
		Total	30	100	1,549	100	5,560	100	23,876	100	25	100	1,725	100	5,860	100	24,821	100	
33.	Are you a member of a social fraternity or sorority?	greek	No	26	87	1,424	92	5,144	93	21,682	91	19	76	1,565	91	5,363	91	21,995	89
			Yes	4	13	126	8	413	7	2,229	9	6	24	158	9	515	9	2,837	11
			Total	30	100	1,550	100	5,557	100	23,911	100	25	100	1,723	100	5,878	100	24,832	100
34.	Which of the following best describes where you are living while attending college?	living	Residence hall, dormitory or other camp.	21	70	801	52	3,693	67	17,255	72	1	4	169	10	1,017	17	5,461	22
			Fraternity or sorority house	0	0	4	0	17	0	134	1	0	0	17	1	57	1	356	1
			Residence (house, apartment, etc.) within walking distance to the institution	1	3	106	7	310	6	1,361	6	5	20	351	20	1,478	25	7,269	29
			Residence (house, apartment, etc.) farther than walking distance to the institution	7	23	542	35	1,285	23	4,338	18	18	72	1,092	63	3,092	53	10,970	44
			None of the above	1	3	91	6	239	4	746	3	1	4	91	5	216	4	733	3
			Total	30	100	1,544	100	5,544	100	23,834	100	25	100	1,720	100	5,860	100	24,789	100
35.	Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	28	93	1,480	96	4,982	90	21,202	89	25	100	1,679	98	5,463	93	22,832	92
			Yes	2	7	60	4	558	10	2,635	11	0	0	38	2	391	7	1,931	8
			Total	30	100	1,540	100	5,540	100	23,837	100	25	100	1,717	100	5,854	100	24,763	100
36.	Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No	30	100	1,532	99	5,473	99	23,513	99	24	96	1,647	96	5,590	95	23,934	97
			Yes	0	0	10	1	66	1	304	1	1	4	74	4	265	5	836	3
			Total	30	100	1,542	100	5,539	100	23,817	100	25	100	1,721	100	5,855	100	24,770	100
37a.	Have you been diagnosed with any disability or impairment?	disability	No	29	97	1,401	90	4,836	87	20,677	86	22	88	1,481	86	4,977	85	21,067	85
			Yes	1	3	106	7	542	10	2,480	10	3	12	195	11	722	12	3,005	12
			I prefer not to respond	0	0	44	3	185	3	751	3	0	0	49	3	181	3	763	3
			Total	30	100	1,551	100	5,563	100	23,908	100	25	100	1,725	100	5,880	100	24,835	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	13	12	68	13	347	14	0	0	24	12	85	12	335	11
		dis_mobility	A mobility impairment	0	0	7	7	33	6	140	6	0	0	12	6	61	8	217	7
		dis_learning	A learning disability (e.g., ADHD, dyslexia)	1	100	42	40	216	40	1,029	42	3	100	88	46	335	47	1,312	44
		dis_mental	A mental health disorder	0	0	47	45	262	48	1,129	46	2	67	89	46	312	43	1,370	46
		dis_other	A disability or impairment not listed above	0	0	19	18	102	19	415	17	0	0	39	20	126	18	549	18
	Disability or impairment	disability_all	A sensory impairment	0	0	9	1	48	1	225	1	0	0	12	1	45	1	182	1
		(Recoded from disability_and	A mobility impairment	0	0	3	0	15	0	81	0	0	0	6	0	26	0	99	0
			A learning disability	1	3	33	2	130	2	654	3	1	4	54	3	220	4	848	3

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

Respondent Profile: Bio, Agric, & Nat Res

Angelo State University

## Bio, Agric, & Nat Res

### First-Year Students<sup>a</sup>

### Seniors<sup>a</sup>

Item wording or description	Variable name	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
				dis_sense to dis_other where each student is represented only once.)	A mental health disorder	0	0	29	2	167	3	728	3	0	0	50	3	189
		A disability or impairment not listed	0	0	11	1	63	1	264	1	0	0	22	1	74	1	335	1
		More than one disability or impairment	0	0	20	1	118	2	514	2	2	8	49	3	166	3	663	3
		No disability or impairment	29	97	1,401	90	4,836	87	20,677	87	22	88	1,481	86	4,977	85	21,067	85
		Prefer not to respond	0	0	44	3	185	3	751	3	0	0	49	3	181	3	763	3
		Total	30	100	1,550	100	5,562	100	23,894	100	25	100	1,723	100	5,878	100	24,817	100
38.	Which of the following best describes your sexual orientation?	sexorient17																
		Straight (heterosexual)	27	90	1,041	85	3,267	86	13,734	85	21	84	1,132	87	3,461	86	14,122	85
		Bisexual	1	3	71	6	193	5	894	6	0	0	47	4	210	5	890	5
		Gay	1	3	20	2	38	1	203	1	0	0	24	2	74	2	284	2
		Lesbian	1	3	18	1	40	1	152	1	0	0	11	1	31	1	152	1
		Queer	0	0	10	1	21	1	107	1	0	0	8	1	20	0	138	1
		Questioning or unsure	0	0	25	2	53	1	235	1	0	0	13	1	30	1	189	1
		Another sexual orientation	0	0	11	1	63	2	255	2	1	4	15	1	50	1	244	1
		I prefer not to respond	0	0	34	3	119	3	500	3	3	12	54	4	144	4	619	4
		Total	30	100	1,230	100	3,794	100	16,080	100	25	100	1,304	100	4,020	100	16,638	100

### Institution-reported information

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

Institution-reported:	IRsex	Female	21	70	1,099	70	4,177	74	17,363	72	19	73	1,144	65	4,064	69	16,735	67
Sex		Male	9	30	473	30	1,445	26	6,808	28	7	27	603	35	1,863	31	8,318	33
		Total	30	100	1,572	100	5,622	100	24,171	100	26	100	1,747	100	5,927	100	25,053	100
Institution-reported:	IRrace	American Indian or Alaska Native	0	0	23	2	31	1	124	1	0	0	22	1	31	1	121	1
Race or ethnicity		Asian	0	0	231	16	401	8	1,904	9	0	0	236	15	465	9	1,938	9
		Black or African American	1	3	90	6	434	9	1,766	8	1	4	78	5	266	5	1,255	6
		Hispanic or Latino	13	43	516	35	734	15	2,672	13	4	15	482	30	609	12	2,273	10
		Native Hawaiian/Other Pac. Islander	0	0	8	1	22	0	48	0	0	0	3	0	12	0	51	0
		White	15	50	464	32	2,802	57	12,569	59	19	73	638	40	3,393	64	14,683	66
		Other	0	0	0	0	8	0	8	0	0	0	0	0	3	0	3	0
		Foreign or nonresident alien	1	3	42	3	142	3	695	3	0	0	49	3	95	2	498	2
		Two or more races/ethnicities	0	0	65	4	201	4	854	4	2	8	66	4	187	4	759	3
		Unknown	0	0	29	2	150	3	621	3	0	0	38	2	209	4	767	3
		Total	30	100	1,468	100	4,925	100	21,261	100	26	100	1,612	100	5,270	100	22,348	100
Institution-reported:	IRclass	Freshman/First-Year	30	100	1,572	100	5,623	100	24,172	100	0	0	0	0	0	0	0	0
Class level		Sophomore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

Respondent Profile: Bio, Agric, & Nat Res

Angelo State University

## Bio, Agric, & Nat Res

### First-Year Students<sup>a</sup>

### Seniors<sup>a</sup>





Item wording or description	Variable name	Response options	ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017		ASU		Southwest Public		Carnegie Class		NSSE 2016 & 2017	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
		Junior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Senior	0	0	0	0	0	0	0	0	26	100	1,747	100	5,927	100	25,054	100
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	30	100	1,572	100	5,623	100	24,172	100	26	100	1,747	100	5,927	100	25,054	100
Institution-reported: First-time first-year (FTFY) student	IRftfy	Not first-time first-year	4	13	155	10	483	9	1,762	7	26	100	1,747	100	5,866	99	24,844	99
		First-time first-year	26	87	1,417	90	5,140	91	22,410	93	0	0	0	0	61	1	210	1
		Total	30	100	1,572	100	5,623	100	24,172	100	26	100	1,747	100	5,927	100	25,054	100
Institution-reported: Enrollment status	IREnrollment	Not full-time	0	0	61	4	232	4	583	2	0	0	327	19	696	12	2,557	10
		Full-time	30	100	1,511	96	5,391	96	23,589	98	26	100	1,420	81	5,231	88	22,497	90
		Total	30	100	1,572	100	5,623	100	24,172	100	26	100	1,747	100	5,927	100	25,054	100



## Endnotes

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

### Key to symbols:

-  **Your students' average** was significantly higher (*p* < .05) with an effect size at least .3 in magnitude.
-  **Your students' average** was significantly higher (*p* < .05) with an effect size less than .3 in magnitude.
-  **Your students' average** was significantly lower (*p* < .05) with an effect size less than .3 in magnitude.
-  **Your students' average** was significantly lower (*p* < .05) with an effect size at least .3 in magnitude.

### Endnotes

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

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

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