
NSSEville State University

NSSE 2016 Major Field Report, Part II

Comparisons to Other Institutions

Engineering

*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 'Engineering' includes the following majors: Aero-, astronautical engineering; Bioengineering; Biomedical engineering; Chemical engineering; Civil engineering; Computer engineering and technology; Computer information systems; Computer science; Electrical or electronic engineering; Engineering (general); Industrial engineering; Information technology; Materials engineering; Mechanical engineering; Other engineering; Petroleum engineering; Software engineering.

Note:

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

About Your Major Field Report, Part II

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

NSSE results included in MFR, Part II

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

Related-Major Groups

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

Sample

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

Class

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

Technical Requirements

Related-major groups with fewer than 20 respondents in a given class are not reported (columns are blank). Comparison groups must also contain at least 20 respondents in the major category, or they remain blank. Although 20 is a minimum requirement, keep in mind that any statistical result requires a sufficient number of respondents per group to produce a reliable estimate. Due to the disaggregation of results by student-reported major, the Major Field Report results are unweighted.

Report Sections

Engagement Indicators (pp. 3-7)	Results on NSSE's ten Engagement Indicators (EIs) organized into four themes. See your <i>Engagement Indicators</i> report for more details.
High-Impact Practices (p. 8)	Results on student participation in six High-Impact Practices (HIPs). See your <i>High-Impact Practices</i> report for more details.
Frequencies and Statistical Comparisons (pp. 9-44)	Response frequencies and statistical comparisons (including tests of significance and effect sizes) for all survey items except the demographics for your institution and your three core comparison groups.
Respondent Profile (pp. 45-51)	Response frequencies for all demographic questions for your institution and your three core comparison groups.

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Overview of Engagement Indicators: Engineering NSSEville State University

Engagement Indicators: Overview

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

Use the following key:

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

Theme	Engagement Indicator	First-Year Students in Engineering			Seniors in Engineering		
		Your first-year students compared with GLC Peers	Your first-year students compared with Carnegie Peers	Your first-year students compared with NSSE 2015 & 2016	Your seniors compared with GLC Peers	Your seniors compared with Carnegie Peers	Your seniors compared with NSSE 2015 & 2016
Academic Challenge	Higher-Order Learning				--	--	--
	Reflective & Integrative Learning				--	--	--
	Learning Strategies				--	--	--
	Quantitative Reasoning				--	--	--
Learning with Peers	Collaborative Learning				▽	--	▽
	Discussions with Diverse Others				--	--	--
Experiences with Faculty	Student-Faculty Interaction				--	--	--
	Effective Teaching Practices				--	--	--
Campus Environment	Quality of Interactions				--	--	--
	Supportive Environment				--	--	--

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Engagement Indicators: Engineering

NSSEville State University

Seniors^a in Engineering

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
NSSEville State (N = 28)	38.9	13.2	2.50	15	30	40	45	60				
GLC Peers	38.2	13.1	.23	15	30	40	45	60	3,194	.7		.055
Carnegie Peers	38.3	13.9	.28	15	30	40	50	60	2,430	.7		.049
NSSE 2015 & 2016	38.4	13.7	.10	15	30	40	50	60	20,634	.5		.037
Reflective & Integrative Learning												
NSSEville State (N = 28)	32.4	13.5	2.56	14	23	29	41	60				
GLC Peers	33.4	11.6	.20	14	26	34	40	54	3,247	-1.1		-.093
Carnegie Peers	33.1	12.4	.25	14	26	31	40	54	2,472	-.8		-.061
NSSE 2015 & 2016	32.8	12.1	.08	14	26	31	40	54	21,035	-.4		-.036
Learning Strategies												
NSSEville State (N = 27)	37.5	13.4	2.57	20	27	40	47	60				
GLC Peers	33.3	14.8	.26	7	20	33	40	60	3,207	4.2		.287
Carnegie Peers	36.9	14.8	.30	13	27	40	47	60	2,447	.6		.040
NSSE 2015 & 2016	35.5	14.8	.10	13	27	33	47	60	20,748	2.1		.139
Quantitative Reasoning												
NSSEville State (N = 27)	30.9	16.6	3.19	7	20	33	40	60				
GLC Peers	36.1	15.6	.28	7	27	40	47	60	3,240	-5.2		-.332
Carnegie Peers	33.5	16.7	.34	7	20	33	47	60	2,473	-2.7		-.160
NSSE 2015 & 2016	34.6	16.1	.11	7	20	33	47	60	20,979	-3.8		-.232
Learning with Peers												
Collaborative Learning												
NSSEville State (N = 28)	30.5	12.7	2.40	10	23	30	40	55				
GLC Peers	40.8	13.6	.24	20	30	40	50	60	3,221	-10.2	***	-.753
Carnegie Peers	35.9	14.9	.30	10	25	35	45	60	2,452	-5.3		-.359
NSSE 2015 & 2016	37.7	14.5	.10	15	25	40	50	60	20,821	-7.2	**	-.492
Discussions with Diverse Others												
NSSEville State (N = 28)	40.9	18.7	3.54	0	30	43	60	60				
GLC Peers	39.8	15.3	.27	15	30	40	55	60	3,233	1.1		.072
Carnegie Peers	38.7	17.2	.35	5	25	40	55	60	2,445	2.2		.129
NSSE 2015 & 2016	40.1	16.5	.11	10	30	40	55	60	20,873	.8		.048

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Engagement Indicators: Engineering

NSSEville State University

Seniors^a in Engineering

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
NSSEville State (N = 28)	22.9	11.5	2.17	10	15	23	25	45				
GLC Peers	22.9	14.9	.26	0	10	20	35	50	28	.0		-.003
Carnegie Peers	22.7	16.3	.33	0	10	20	35	55	28	.2		.010
NSSE 2015 & 2016	22.2	15.4	.11	0	10	20	30	55	27	.7		.043
Effective Teaching Practices												
NSSEville State (N = 28)	40.5	13.3	2.51	16	32	40	50	60				
GLC Peers	37.2	12.6	.22	16	28	36	44	60	3,260	3.4		.269
Carnegie Peers	37.6	14.1	.28	12	28	40	48	60	2,485	2.9		.207
NSSE 2015 & 2016	37.1	13.5	.09	16	28	36	48	60	21,103	3.4		.255
Campus Environment												
Quality of Interactions												
NSSEville State (N = 27)	43.1	11.3	2.17	20	36	48	52	58				
GLC Peers	41.7	11.0	.20	22	36	42	50	60	3,169	1.4		.128
Carnegie Peers	41.9	11.9	.25	20	34	43	50	60	2,337	1.3		.108
NSSE 2015 & 2016	41.7	11.6	.08	20	34	42	50	60	20,218	1.4		.125
Supportive Environment												
NSSEville State (N = 28)	28.8	13.5	2.55	13	23	27	36	60				
GLC Peers	32.7	13.1	.23	13	23	33	40	55	3,242	-3.9		-.298
Carnegie Peers	30.1	14.5	.29	8	20	30	40	58	2,468	-1.3		-.092
NSSE 2015 & 2016	31.1	13.9	.10	8	20	30	40	58	20,946	-2.3		-.164

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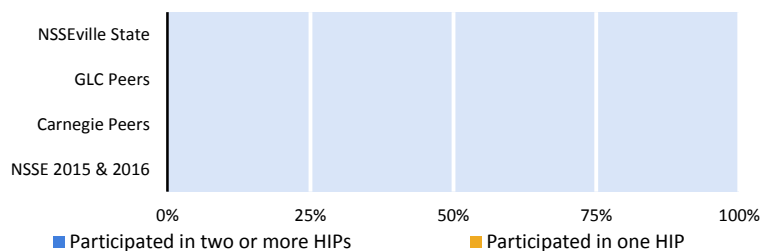
High-Impact Practices: Engineering

NSSEville State University

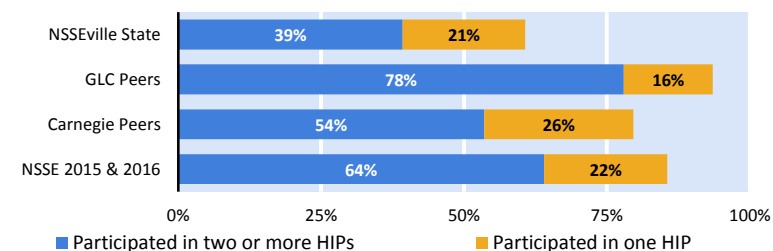
Overall HIP Participation^a

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

First-Year Students in Engineering



Seniors in Engineering



Statistical Comparisons^a

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

	NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016	
	%		% ⁱ	Effect size ^j	% ⁱ	Effect size ^j	% ⁱ	Effect size ^j
First-Year Students in Engineering								
11c. Learning community								
12. Service-learning								
11e. Research with faculty								
Participated in at least one								
Participated in two or more								
Seniors in Engineering								
11c. Learning community	14		27		20		25	
12. Service-learning	50		45		45		44	
11e. Research with faculty	11		40 **		24		28 *	
11a. Internship or field exp.	14		71 ***		47 ***		57 ***	
11d. Study abroad	4		18 *		6		10	
11f. Culminating senior exp.	14		64 ***		47 ***		54 ***	
Participated in at least one	61		94 ***		80 *		86 ***	
Participated in two or more	39		78 ***		54		64 **	

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with						
												NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
1. During the current school year, about how often have you done the following?																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	1	4	154	5	99	4	833	4	2.6	2.8	-.25	2.9 *	-.42	2.9	-.35
		2	Sometimes	15	54	1,205	37	738	30	7,053	33							
		3	Often	7	25	1,046	32	835	34	7,000	33							
		4	Very often	5	18	830	26	792	32	6,230	30							
		Total	28	100	3,235	100	2,464	100	21,116	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	10	36	983	30	589	24	5,552	26	2.1	2.1	-.02	2.3	-.23	2.2	-.16
		2	Sometimes	10	36	1,285	40	900	37	7,817	37							
		3	Often	4	14	657	20	599	24	4,913	23							
		4	Very often	4	14	305	9	367	15	2,755	13							
		Total	28	100	3,230	100	2,455	100	21,037	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	2	7	262	8	177	7	1,465	7	3.0	2.8	.19	2.9	.05	2.9	.06
		2	Often	2	7	636	20	378	15	3,437	16							
		3	Sometimes	19	68	1,794	56	1,354	55	11,464	55							
		4	Never	5	18	538	17	545	22	4,654	22							
		Total	28	100	3,230	100	2,454	100	21,020	100								
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1	Never	11	39	1,248	39	1,371	56	10,309	49	1.7	1.9	-.21	1.6	.10	1.7	-.03
		2	Sometimes	16	57	1,378	43	786	32	7,623	36							
		3	Often	0	0	408	13	199	8	2,162	10							
		4	Very often	1	4	187	6	94	4	919	4							
		Total	28	100	3,221	100	2,450	100	21,013	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	7	25	156	5	273	11	1,788	8	2.3	2.9 ***	-.64	2.6	-.28	2.7 *	-.41
		2	Sometimes	8	29	1,003	31	982	40	7,705	37							
		3	Often	10	36	1,100	34	698	28	6,722	32							
		4	Very often	3	11	970	30	499	20	4,830	23							
		Total	28	100	3,229	100	2,452	100	21,045	100								
f. Explained course material to one or more students	CLexplain	1	Never	1	4	50	2	92	4	629	3	2.7	3.1 *	-.46	2.9	-.21	2.9	-.28
		2	Sometimes	12	43	735	23	765	31	5,921	28							
		3	Often	9	32	1,357	42	923	38	8,411	40							
		4	Very often	6	21	1,079	33	676	28	6,072	29							
		Total	28	100	3,221	100	2,456	100	21,033	100								

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Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with						
												NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	7	25	301	9	374	15	2,686	13	2.0	2.9 *** ▼	-.84	2.6 *** ▼	-.59	2.7 *** ▼	-.69
		2	Sometimes	15	54	912	28	763	31	6,277	30							
		3	Often	4	14	945	29	686	28	6,035	29							
		4	Very often	2	7	1,070	33	630	26	6,050	29							
		Total	28	100	3,228	100	2,453	100	21,048	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	0	0	54	2	130	5	750	4	3.0	3.3 * ▼	-.38	3.1	-.02	3.2	-.15
		2	Sometimes	7	25	451	14	539	22	4,046	19							
		3	Often	13	46	1,108	34	844	34	7,308	35							
		4	Very often	8	29	1,619	50	939	38	8,950	43							
		Total	28	100	3,232	100	2,452	100	21,054	100								
i. Given a course presentation	present	1	Never	2	7	280	9	336	14	2,614	12	3.0	2.7	.32	2.6 * ▲	.43	2.6 * ▲	.42
		2	Sometimes	6	21	1,150	36	885	36	7,628	36							
		3	Often	10	36	1,043	32	702	29	6,420	31							
		4	Very often	10	36	752	23	524	21	4,364	21							
		Total	28	100	3,225	100	2,447	100	21,026	100								
2. During the current school year, about how often have you done the following?																		
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	1	4	73	2	80	3	634	3	2.8	3.0	-.26	3.0	-.26	2.9	-.23
		2	Sometimes	11	39	889	28	636	26	5,879	28							
		3	Often	10	36	1,356	42	1,028	42	8,651	41							
		4	Very often	6	21	911	28	706	29	5,883	28							
		Total	28	100	3,229	100	2,450	100	21,047	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	8	29	364	11	376	15	3,026	14	2.1	2.5 * ▼	-.40	2.4	-.35	2.4	-.33
		2	Sometimes	12	43	1,453	45	987	41	9,173	44							
		3	Often	5	18	969	30	727	30	6,025	29							
		4	Very often	3	11	432	13	340	14	2,732	13							
		Total	28	100	3,218	100	2,430	100	20,956	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	8	29	857	27	797	33	6,494	31	2.0	2.1	-.04	2.0	.00	2.0	.00
		2	Sometimes	15	54	1,511	47	966	40	8,945	43							
		3	Often	1	4	615	19	482	20	3,920	19							
		4	Very often	4	14	227	7	198	8	1,615	8							
		Total	28	100	3,210	100	2,443	100	20,974	100								

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Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with						
												NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	2	7	264	8	271	11	2,028	10	2.6	2.6	.03	2.6	.03	2.6	.04
		2	Sometimes	13	46	1,302	40	878	36	8,099	39							
		3	Often	7	25	1,181	37	898	37	7,663	37							
		4	Very often	6	21	472	15	398	16	3,194	15							
		Total	28	100	3,219	100	2,445	100	20,984	100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	1	4	228	7	219	9	1,668	8	2.8	2.7	.07	2.7	.06	2.7	.06
		2	Sometimes	13	46	1,132	35	792	32	7,215	34							
		3	Often	6	21	1,251	39	933	38	7,958	38							
		4	Very often	8	29	601	19	498	20	4,125	20							
		Total	28	100	3,212	100	2,442	100	20,966	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	0	0	89	3	102	4	849	4	3.0	2.8	.16	2.8	.20	2.8	.23
		2	Sometimes	9	32	1,017	32	798	33	7,112	34							
		3	Often	11	39	1,414	44	1,028	42	8,835	42							
		4	Very often	8	29	689	21	512	21	4,158	20							
		Total	28	100	3,209	100	2,440	100	20,954	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	45	1	57	2	393	2	3.1	3.1	.05	3.1	.08	3.1	.11
		2	Sometimes	6	22	635	20	500	21	4,601	22							
		3	Often	11	41	1,449	45	1,046	43	9,245	44							
		4	Very often	10	37	1,075	34	829	34	6,662	32							
		Total	27	100	3,204	100	2,432	100	20,901	100								
3. During the current school year, about how often have you done the following?																		
a. Talked about career plans with a faculty member	SFcareer	1	Never	3	11	670	21	593	24	4,831	23	2.4	2.3	.09	2.3	.11	2.2	.13
		2	Sometimes	15	54	1,400	44	987	40	8,978	43							
		3	Often	7	25	722	23	527	22	4,515	22							
		4	Very often	3	11	413	13	341	14	2,640	13							
		Total	28	100	3,205	100	2,448	100	20,964	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	10	36	1,158	36	1,109	45	9,012	43	1.8	2.1	-.24	1.9	-.10	1.9	-.12
		2	Sometimes	14	50	1,061	33	672	28	6,276	30							
		3	Often	3	11	603	19	397	16	3,421	16							
		4	Very often	1	4	381	12	265	11	2,212	11							
		Total	28	100	3,203	100	2,443	100	20,921	100								

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Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with						
												NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	5	18	671	21	588	24	4,985	24	2.1	2.2	-.11	2.3	-.11	2.2	-.07
		2	Sometimes	16	57	1,434	45	954	39	8,904	43							
		3	Often	5	18	758	24	592	24	4,729	23							
		4	Very often	2	7	342	11	305	13	2,315	11							
		Total	28	100	3,205	100	2,439	100	20,933	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	4	14	947	30	673	28	5,926	28	2.3	2.0	.29	2.1	.14	2.1	.22
		2	Sometimes	14	50	1,515	47	1,056	43	9,613	46							
		3	Often	9	32	524	16	473	19	3,672	18							
		4	Very often	1	4	212	7	244	10	1,691	8							
		Total	28	100	3,198	100	2,446	100	20,902	100								
4. During the current school year, how much has your coursework emphasized the following?																		
a. Memorizing course material	memorize	1	Very little	2	7	402	12	227	9	2,245	11	2.9	2.5 *	.49	2.6	.28	2.6	.36
		2	Some	9	32	1,334	41	862	35	7,968	38							
		3	Quite a bit	7	25	1,061	33	915	37	7,384	35							
		4	Very much	10	36	422	13	449	18	3,420	16							
		Total	28	100	3,219	100	2,453	100	21,017	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	1	4	45	1	73	3	482	2	2.9	3.3 **	-.52	3.2	-.34	3.2 *	-.41
		2	Some	6	21	399	12	363	15	2,989	14							
		3	Quite a bit	15	54	1,281	40	1,012	41	8,389	40							
		4	Very much	6	21	1,493	46	999	41	9,112	43							
		Total	28	100	3,218	100	2,447	100	20,972	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	2	7	174	5	117	5	1,022	5	3.1	3.1	.02	3.1	.01	3.1	.02
		2	Some	2	7	634	20	481	20	4,258	20							
		3	Quite a bit	16	57	1,245	39	965	40	8,130	39							
		4	Very much	8	29	1,158	36	875	36	7,508	36							
		Total	28	100	3,211	100	2,438	100	20,918	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	2	7	514	16	327	13	2,861	14	2.9	2.5 *	.44	2.6	.33	2.6	.34
		2	Some	6	21	1,160	36	815	33	7,217	34							
		3	Quite a bit	13	46	1,033	32	847	35	6,968	33							
		4	Very much	7	25	513	16	449	18	3,891	19							
		Total	28	100	3,220	100	2,438	100	20,937	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors^a in Engineering

				Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with						
		NSSEville State										GLC Peers		Carnegie Peers		NSSE 2015 & 2016		
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	1	4	226	7	185	8	1,507	7	2.9	2.8	.11	2.8	.10	2.8	.09
		2	Some	8	29	944	29	690	28	5,997	29							
		3	Quite a bit	12	43	1,292	40	977	40	8,394	40							
		4	Very much	7	25	746	23	589	24	5,039	24							
		Total	28	100	3,208	100	2,441	100	20,937	100								
5. During the current school year, to what extent have your instructors done the following?																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	1	4	77	2	84	3	661	3	3.1	3.0	.06	3.1	.02	3.0	.05
		2	Some	7	25	662	20	493	20	4,299	20							
		3	Quite a bit	9	32	1,587	49	1,085	44	9,843	47							
		4	Very much	11	39	906	28	797	32	6,276	30							
		Total	28	100	3,232	100	2,459	100	21,079	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	0	0	75	2	102	4	743	4	3.0	3.1	-.07	3.0	.02	3.0	.00
		2	Some	8	29	617	19	536	22	4,449	21							
		3	Quite a bit	12	43	1,605	50	1,107	45	9,956	47							
		4	Very much	8	29	931	29	706	29	5,881	28							
		Total	28	100	3,228	100	2,451	100	21,029	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	1	4	61	2	111	5	812	4	3.0	3.1	-.15	3.1	-.09	3.1	-.07
		2	Some	6	21	619	19	446	18	4,183	20							
		3	Quite a bit	13	46	1,431	44	1,033	42	9,017	43							
		4	Very much	8	29	1,117	35	863	35	6,999	33							
		Total	28	100	3,228	100	2,453	100	21,011	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	0	0	593	18	357	15	3,423	16	3.0	2.4 **	.56	2.6 *	.40	2.5 *	.49
		2	Some	10	36	1,153	36	801	33	7,320	35							
		3	Quite a bit	9	32	982	31	814	33	6,628	32							
		4	Very much	9	32	489	15	479	20	3,626	17							
		Total	28	100	3,217	100	2,451	100	20,997	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	1	4	288	9	260	11	2,023	10	3.1	2.7 *	.48	2.7 *	.40	2.7 *	.43
		2	Some	5	19	1,048	33	739	30	6,626	32							
		3	Quite a bit	11	42	1,346	42	903	37	8,197	39							
		4	Very much	9	35	534	17	544	22	4,132	20							
		Total	26	100	3,216	100	2,446	100	20,978	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State	GLC Peers		Carnegie Peers		NSSE 2015 & 2016		NSSEville State	Your seniors compared with						
												GLC Peers		Carnegie Peers		NSSE 2015 & 2016		
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
6. During the current school year, about how often have you done the following?																		
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	1	4	95	3	150	6	922	4	2.9	3.1	-.33	3.0	-.14	3.1	-.23
		2	Sometimes	10	36	651	20	559	23	4,583	22							
		3	Often	9	32	1,206	37	927	38	7,978	38							
		4	Very often	8	29	1,279	40	822	33	7,586	36							
		Total	28	100	3,231	100	2,458	100	21,069	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	6	21	532	16	479	19	3,825	18	2.4	2.6	-.22	2.5	-.15	2.5	-.17
		2	Sometimes	10	36	1,059	33	795	32	6,831	32							
		3	Often	8	29	876	27	636	26	5,691	27							
		4	Very often	4	14	759	24	547	22	4,701	22							
		Total	28	100	3,226	100	2,457	100	21,048	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	4	15	289	9	356	14	2,552	12	2.4	2.7	-.28	2.5	-.09	2.6	-.17
		2	Sometimes	11	41	1,100	34	910	37	7,483	36							
		3	Often	8	30	1,128	35	713	29	6,769	32							
		4	Very often	4	15	709	22	478	19	4,225	20							
		Total	27	100	3,226	100	2,457	100	21,029	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)																		
a. Up to 5 pages	wrshortnum (Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	4	14	213	7	285	12	2,088	10	6.2	6.3	-.02	5.8	.06	6.2	.00
		1.5	1-2	8	29	777	24	602	25	5,035	25							
		4	3-5	4	14	946	30	668	28	5,733	28							
		8	6-10	5	18	655	21	431	18	3,831	19							
		13	11-15	5	18	286	9	173	7	1,699	8							
		18	16-20	1	4	150	5	87	4	835	4							
		23	More than 20	1	4	154	5	131	6	1,278	6							
		Total	28	100	3,181	100	2,377	100	20,499	100								
b. Between 6 and 10 pages	wrmednum (Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	10	38	785	25	755	33	5,856	29	2.5	3.3	-.18	3.1	-.14	3.3	-.18
		1.5	1-2	6	23	1,137	36	751	32	6,697	33							
		4	3-5	6	23	712	23	431	19	4,176	21							
		8	6-10	4	15	316	10	243	10	2,063	10							
		13	11-15	0	0	101	3	74	3	739	4							
		18	16-20	0	0	50	2	22	1	294	1							
		23	More than 20	0	0	44	1	45	2	356	2							
		Total	26	100	3,145	100	2,321	100	20,181	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with						
												GLC Peers		Carnegie Peers		NSSE 2015 & 2016		
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
c. 11 pages or more	wrlongnum	0	None	14	56	1,214	39	1,155	50	8,880	44	.9	2.5 *** ▼	-.41	2.3 *** ▼	-.33	2.4 *** ▼	-.37
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	9	36	1,109	35	656	28	6,357	32							
	4	3-5	2	8	440	14	240	10	2,485	12								
	8	6-10	0	0	220	7	133	6	1,256	6								
	13	11-15	0	0	91	3	53	2	563	3								
	18	16-20	0	0	39	1	28	1	230	1								
	23	More than 20	0	0	38	1	53	2	335	2								
	Total		25	100	3,151	100	2,318	100	20,106	100								
Estimated number of assigned pages of student writing.	wrpages											54.6	81.5	-.30	73.8	-.19	78.9	-.25
				(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)														
8. During the current school year, about how often have you had discussions with people from the following groups?																		
a. People of a race or ethnicity other than your own	DDrace	1	Never	3	11	170	5	197	8	1,349	6	3.3	3.0	.33	3.0 * ▲	.38	3.0	.30
		2	Sometimes	2	7	887	27	643	26	5,167	25							
		3	Often	6	21	905	28	693	28	6,002	28							
		4	Very often	17	61	1,273	39	922	38	8,551	41							
		Total	28	100	3,235	100	2,455	100	21,069	100								
b. People from an economic background other than your own	DDeconomic	1	Never	3	11	129	4	177	7	1,143	5	3.0	3.1	-.06	2.9	.06	3.0	-.04
		2	Sometimes	6	21	772	24	631	26	4,934	23							
		3	Often	7	25	1,138	35	800	33	7,065	34							
		4	Very often	12	43	1,193	37	837	34	7,892	38							
		Total	28	100	3,232	100	2,445	100	21,034	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	4	14	275	9	211	9	1,544	7	3.0	2.9	.04	2.9	.04	3.0	-.01
		2	Sometimes	5	18	855	26	622	25	5,265	25							
		3	Often	7	25	947	29	748	31	6,337	30							
		4	Very often	12	43	1,151	36	862	35	7,856	37							
		Total	28	100	3,228	100	2,443	100	21,002	100								
d. People with political views other than your own	DDpolitical	1	Never	3	11	154	5	208	9	1,350	6	2.9	3.0	-.08	2.9	-.02	3.0	-.09
		2	Sometimes	7	25	902	28	636	26	5,301	25							
		3	Often	8	29	1,066	33	759	31	6,754	32							
		4	Very often	10	36	1,096	34	831	34	7,545	36							
		Total	28	100	3,218	100	2,434	100	20,950	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		NSSEville State		Your seniors compared with					
		GLC Peers												Carnegie Peers		NSSE 2015 & 2016			
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
9. During the current school year, about how often have you done the following?																			
a. Identified key information from reading assignments	LSreading	1	Never	1	4	174	5	112	5	1,026	5	3.0	2.9	.14	3.0	.05	2.9	.09	
		2	Sometimes	7	26	884	27	611	25	5,530	26								
		3	Often	10	37	1,325	41	1,007	41	8,561	41								
		4	Very often	9	33	843	26	722	29	5,922	28								
		Total	27	100	3,226	100	2,452	100	21,039	100									
b. Reviewed your notes after class	LSnotes	1	Never	2	7	399	12	164	7	1,865	9	2.7	2.6	.13	2.9	-.15	2.7	-.03	
		2	Sometimes	10	36	1,207	37	740	30	7,055	34								
		3	Often	10	36	948	29	836	34	6,720	32								
		4	Very often	6	21	670	21	703	29	5,347	25								
		Total	28	100	3,224	100	2,443	100	20,987	100									
c. Summarized what you learned in class or from course materials	LSummary	1	Never	2	7	418	13	231	9	2,158	10	2.9	2.5 * ▲	.39	2.7	.17	2.7	.25	
		2	Sometimes	10	36	1,201	38	767	32	7,218	35								
		3	Often	5	18	1,019	32	843	35	6,972	33								
		4	Very often	11	39	554	17	592	24	4,482	22								
		Total	28	100	3,192	100	2,433	100	20,830	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	28	1	22	1	194	1	5.3	5.5	-.23	5.6	-.23	5.5	-.24	
		2		1	4	53	2	63	3	389	2								
		3		3	11	108	3	98	4	806	4								
		4		3	11	297	9	224	9	1,947	9								
		5		9	32	938	29	672	27	5,977	28								
		6		5	18	1,097	34	678	28	6,422	31								
		7	Very much	7	25	697	22	694	28	5,281	25								
		Total	28	100	3,218	100	2,451	100	21,016	100									
11. Which of the following have you done or do you plan to do before you graduate? ^o																			
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	Have not decided		5	18	88	3	166	7	1,169	6	14%	71% *** ▼	-1.23	47% *** ▼	-.74	57% *** ▼	-.94	
		Do not plan to do		9	32	251	8	321	13	2,551	12								
		Plan to do		10	36	604	19	810	33	5,266	25								
		Done or in progress		4	14	2,289	71	1,157	47	12,065	57								
		Total		28	100	3,232	100	2,454	100	21,051	100								
(Means indicate the percentage who responded "Done or in progress.")																			

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering			Frequency Distributions								Statistical Comparisons ^k							
			NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with							
											NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
b. Hold a formal leadership role in a student organization or group	leader		Have not decided	4	15	200	6	279	11	1,940	9	26%	57% *** ▼	-.65	32%	-.13	41%	-.33
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	14	52	970	30	1,172	48	8,683	41								
	Plan to do	2	7	203	6	215	9	1,710	8									
	Done or in progress	7	26	1,855	57	785	32	8,700	41									
	Total	27	100	3,228	100	2,451	100	21,033	100									
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom		Have not decided	6	21	263	8	334	14	2,376	11	14%	27%	-.32	20%	-.14	25%	-.26
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	17	61	1,903	59	1,391	57	11,732	56								
	Plan to do	1	4	191	6	240	10	1,743	8									
	Done or in progress	4	14	871	27	480	20	5,166	25									
	Total	28	100	3,228	100	2,445	100	21,017	100									
d. Participate in a study abroad program	abroad		Have not decided	3	11	224	7	261	11	2,028	10	4%	18% * ▼	-.50	6%	-.13	10%	-.28
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	23	82	2,252	70	1,844	75	15,366	73								
	Plan to do	1	4	170	5	187	8	1,407	7									
	Done or in progress	1	4	580	18	153	6	2,194	10									
	Total	28	100	3,226	100	2,445	100	20,995	100									
e. Work with a faculty member on a research project	research		Have not decided	13	46	299	9	459	19	3,123	15	11%	40% ** ▼	-.71	24%	-.37	28% * ▼	-.46
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	8	29	1,233	38	955	39	8,548	41								
	Plan to do	4	14	383	12	431	18	3,296	16									
	Done or in progress	3	11	1,295	40	596	24	5,963	28									
	Total	28	100	3,210	100	2,441	100	20,930	100									
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone		Have not decided	8	29	100	3	203	8	1,164	6	14%	64% *** ▼	-1.08	47% *** ▼	-.74	54% *** ▼	-.87
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	10	36	261	8	325	13	2,043	10								
	Plan to do	6	21	799	25	766	31	6,514	31									
	Done or in progress	4	14	2,062	64	1,148	47	11,279	54									
	Total	28	100	3,222	100	2,442	100	21,000	100									

12. About how many of your courses at this institution have included a community-based project (service-learning)?

servcourse	1	None	14	50	1,778	55	1,351	55	11,691	56	1.5	1.5	.06	1.5	.01	1.5	.05
	2	Some	13	46	1,292	40	923	38	8,097	39							
	3	Most	1	4	124	4	127	5	946	5							
	4	All	0	0	24	1	36	1	208	1							
	Total		28	100	3,218	100	2,437	100	20,942	100							

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors^a in Engineering

				Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with							
												NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%								
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	Q1student	1	Poor	1	4	25	1	29	1	206	1	5.2	5.8	-.49	5.6	-.36	5.7 *	▼	-.42
		2		0	0	43	1	29	1	281	1								
		3		4	14	92	3	94	4	771	4								
		4		3	11	233	7	246	10	1,753	8								
		5		7	25	749	23	567	23	4,769	23								
		6		6	21	1,060	33	734	30	6,537	31								
		7	Excellent	7	25	1,028	32	739	30	6,632	31								
		—	Not applicable	0	0	3	0	21	1	128	1								
			Total	28	100	3,233	100	2,459	100	21,077	100								
b. Academic advisors	Q1advisor	1	Poor	1	4	183	6	139	6	1,145	5	5.2	5.0	.12	5.1	.03	5.1	.05	
		2		2	7	203	6	117	5	1,148	5								
		3		1	4	282	9	193	8	1,696	8								
		4		4	14	449	14	302	12	2,703	13								
		5		5	18	608	19	462	19	3,953	19								
		6		9	32	641	20	488	20	4,378	21								
		7	Excellent	6	21	792	25	703	29	5,724	27								
		—	Not applicable	0	0	70	2	53	2	304	1								
			Total	28	100	3,228	100	2,457	100	21,051	100								
c. Faculty	Q1faculty	1	Poor	0	0	51	2	51	2	427	2	5.4	5.3	.06	5.4	.03	5.3	.07	
		2		0	0	84	3	76	3	629	3								
		3		2	7	173	5	154	6	1,244	6								
		4		3	11	457	14	287	12	2,766	13								
		5		9	32	867	27	580	24	5,265	25								
		6		10	36	931	29	696	28	6,011	29								
		7	Excellent	4	14	655	20	593	24	4,539	22								
		—	Not applicable	0	0	2	0	15	1	88	0								
			Total	28	100	3,220	100	2,452	100	20,969	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors^a in Engineering

				Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with						
		NSSEville State										GLC Peers		Carnegie Peers		NSSE 2015 & 2016		
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	1	4	123	4	136	6	979	5	5.5	4.9	.37	4.8 *	.40	4.9	.38
		2		0	0	151	5	116	5	973	5							
		3		1	4	233	7	134	5	1,533	7							
		4		3	11	558	17	322	13	3,030	14							
		5		5	18	737	23	405	17	4,088	19							
		6		8	29	676	21	431	18	4,001	19							
		7	Excellent	7	25	552	17	360	15	3,363	16							
		—	Not applicable	3	11	196	6	546	22	3,063	15							
		Total		28	100	3,226	100	2,450	100	21,030	100							
e. Other administrative staff and offices (registrar, financial aid, etc.)	Qladmin	1	Poor	2	7	139	4	137	6	1,151	5	5.1	4.9	.18	4.9	.16	4.8	.19
		2		1	4	168	5	139	6	1,158	6							
		3		2	7	264	8	185	8	1,749	8							
		4		4	14	535	17	353	14	3,290	16							
		5		2	7	751	23	525	21	4,647	22							
		6		9	32	706	22	496	20	4,330	21							
		7	Excellent	7	25	486	15	457	19	3,518	17							
		—	Not applicable	1	4	173	5	164	7	1,177	6							
		Total		28	100	3,222	100	2,456	100	21,020	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	4	14	44	1	58	2	395	2	2.7	3.4 ***	-1.03	3.2 *	-.60	3.2 **	-.73
		2	Some	7	25	296	9	421	17	3,019	14							
		3	Quite a bit	11	39	1,165	36	1,055	43	8,803	42							
		4	Very much	6	21	1,719	53	913	37	8,770	42							
		Total		28	100	3,224	100	2,447	100	20,987	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	1	4	124	4	162	7	1,147	5	2.8	3.0	-.29	2.8	-.10	2.9	-.17
		2	Some	9	32	729	23	672	28	5,330	26							
		3	Quite a bit	14	50	1,407	44	1,003	41	9,001	43							
		4	Very much	4	14	952	30	604	25	5,405	26							
		Total		28	100	3,212	100	2,441	100	20,883	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	5	19	240	7	278	11	1,905	9	2.5	2.8	-.37	2.7	-.20	2.8	-.29
		2	Some	8	30	862	27	710	29	5,821	28							
		3	Quite a bit	9	33	1,250	39	892	37	8,022	38							
		4	Very much	5	19	854	27	557	23	5,146	25							
		Total		27	100	3,206	100	2,437	100	20,894	100							

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors^a in Engineering

				Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with						
		NSSEville State										GLC Peers		Carnegie Peers		NSSE 2015 & 2016		
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	9	33	662	21	492	20	4,123	20	2.0	2.4	-.35	2.4 *	-.40	2.4 *	-.40
		2	Some	11	41	1,157	36	817	34	7,190	34							
		3	Quite a bit	4	15	894	28	701	29	6,004	29							
		4	Very much	3	11	501	16	428	18	3,590	17							
		Total	27	100	3,214	100	2,438	100	20,907	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	2	7	192	6	279	11	1,955	9	2.8	2.9	-.16	2.7	.08	2.8	.00
		2	Some	10	36	842	26	744	30	6,059	29							
		3	Quite a bit	9	32	1,306	41	906	37	8,138	39							
		4	Very much	7	25	871	27	514	21	4,787	23							
		Total	28	100	3,211	100	2,443	100	20,939	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	2	7	261	8	364	15	2,572	12	2.7	2.9	-.21	2.6	.06	2.7	-.03
		2	Some	10	37	782	24	726	30	5,904	28							
		3	Quite a bit	10	37	1,314	41	848	35	7,755	37							
		4	Very much	5	19	849	26	495	20	4,670	22							
		Total	27	100	3,206	100	2,433	100	20,901	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	9	32	1,002	31	893	37	7,459	36	2.0	2.1	-.12	2.0	-.06	2.0	-.06
		2	Some	13	46	1,256	39	832	34	7,416	35							
		3	Quite a bit	4	14	662	21	485	20	4,162	20							
		4	Very much	2	7	287	9	228	9	1,863	9							
		Total	28	100	3,207	100	2,438	100	20,900	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	3	11	318	10	430	18	3,019	14	2.6	2.7	-.12	2.5	.12	2.6	.01
		2	Some	9	32	973	30	778	32	6,438	31							
		3	Quite a bit	12	43	1,196	37	833	34	7,378	35							
		4	Very much	4	14	717	22	399	16	4,042	19							
		Total	28	100	3,204	100	2,440	100	20,877	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	7	25	637	20	600	25	4,884	23	2.3	2.3	-.07	2.3	-.02	2.3	-.01
		2	Some	10	36	1,295	40	869	36	8,067	39							
		3	Quite a bit	8	29	889	28	668	27	5,431	26							
		4	Very much	3	11	383	12	294	12	2,431	12							
		Total	28	100	3,204	100	2,431	100	20,813	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors^a in Engineering

				Frequency Distributions								Statistical Comparisons ^k								
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with								
NSSEville State		GLC Peers										Carnegie Peers		NSSE 2015 & 2016						
				Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%					Count	%	Count	%	Mean
15. About how many hours do you spend in a typical 7-day week doing the following?																				
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	0	0	15	0	15	1	99	0	13.9	19.7 ** ▼	-.60	16.3	-.26	17.5 * ▼	-.37		
	(Recoded version of tmprephrs created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5	18	222	7	289	12	2,103	10									
		8	6-10 hrs	7	25	423	13	499	20	3,708	18									
		13	11-15 hrs	7	25	480	15	461	19	3,730	18									
		18	16-20 hrs	2	7	632	20	422	17	3,867	18									
		23	21-25 hrs	3	11	444	14	286	12	2,643	13									
		28	26-30 hrs	2	7	352	11	163	7	1,724	8									
		33	More than 30 hrs	2	7	658	20	315	13	3,148	15									
			Total	28	100	3,226	100	2,450	100	21,022	100									
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	16	57	657	20	1,228	50	7,946	38	3.1	7.1 *** ▼	-.53	3.9	-.13	5.2 * ▼	-.31		
	(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	6	21	1,139	35	653	27	6,245	30									
		8	6-10 hrs	2	7	657	20	262	11	3,171	15									
		13	11-15 hrs	4	14	362	11	121	5	1,625	8									
		18	16-20 hrs	0	0	194	6	88	4	980	5									
		23	21-25 hrs	0	0	95	3	37	2	455	2									
		28	26-30 hrs	0	0	36	1	16	1	172	1									
		33	More than 30 hrs	0	0	80	2	28	1	324	2									
			Total	28	100	3,220	100	2,433	100	20,918	100									
c. Working for pay on campus	tmworkonhrs	0	0 hrs	20	71	1,684	52	1,784	73	13,884	66	4.8	5.1	-.04	3.8	.14	4.2	.09		
	(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	4	338	10	96	4	1,249	6									
		8	6-10 hrs	0	0	533	17	156	6	2,087	10									
		13	11-15 hrs	2	7	321	10	133	5	1,486	7									
		18	16-20 hrs	2	7	271	8	175	7	1,502	7									
		23	21-25 hrs	3	11	50	2	39	2	412	2									
		28	26-30 hrs	0	0	9	0	17	1	119	1									
		33	More than 30 hrs	0	0	21	1	42	2	227	1									
			Total	28	100	3,227	100	2,442	100	20,966	100									

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k													
				NSSEville State	GLC Peers		Carnegie Peers		NSSE 2015 & 2016		NSSEville State	Your seniors compared with													
												GLC Peers		Carnegie Peers		NSSE 2015 & 2016									
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ							
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	16	57	2,435	76	983	40	11,543	55	7.0	3.4	.48	12.9 **	-.46	9.0	-.16							
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	2	7	155	5	89	4	920	4														
		8	6-10 hrs	2	7	155	5	165	7	1,196	6														
		13	11-15 hrs	3	11	157	5	139	6	1,183	6														
		18	16-20 hrs	1	4	143	4	280	11	1,639	8														
		23	21-25 hrs	1	4	69	2	199	8	1,140	5														
		28	26-30 hrs	1	4	34	1	128	5	649	3														
		33	More than 30 hrs	2	7	64	2	452	19	2,616	13														
		Total			28	100	3,212	100	2,435	100	20,886								100						
Estimated number of hours working for pay	tmworkhrs											11.8	8.4	.34	16.6	-.35	13.1	-.10							
	(Continuous variable created by NSSE)																								
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	21	75	1,786	56	1,567	65	12,632	61								2.0	2.0	-.01	2.3	-.06	2.2	-.04
	(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	11	1,176	37	573	24	6,098	29														
		8	6-10 hrs	3	11	120	4	123	5	1,029	5														
		13	11-15 hrs	0	0	56	2	63	3	473	2														
		18	16-20 hrs	0	0	31	1	53	2	308	1														
		23	21-25 hrs	1	4	9	0	17	1	133	1														
		28	26-30 hrs	0	0	6	0	8	0	47	0														
		33	More than 30 hrs	0	0	9	0	16	1	87	0														
		Total			28	100	3,193	100	2,420	100	20,807														
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	56	2	83	3	607	3	13.2	12.3	.11	11.0	.27	11.5	.20							
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	6	21	617	19	655	27	4,971	24														
		8	6-10 hrs	8	29	937	29	657	27	5,895	28														
		13	11-15 hrs	5	18	671	21	439	18	3,914	19														
		18	16-20 hrs	3	11	465	14	312	13	2,696	13														
		23	21-25 hrs	2	7	195	6	120	5	1,131	5														
		28	26-30 hrs	2	7	86	3	55	2	525	3														
		33	More than 30 hrs	2	7	181	6	119	5	1,165	6														
		Total			28	100	3,208	100	2,440	100	20,904								100						

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k								
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with								
												NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%									
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	18	64	2,759	86	1,494	62	14,873	71	3.4	1.4	.40	5.9	-.24	4.2	-.09		
	(Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5	18	208	6	283	12	1,976	9									
		8	6-10 hrs	3	11	87	3	151	6	972	5									
		13	11-15 hrs	0	0	60	2	94	4	683	3									
		18	16-20 hrs	0	0	44	1	104	4	634	3									
		23	21-25 hrs	1	4	13	0	45	2	297	1									
		28	26-30 hrs	0	0	7	0	27	1	188	1									
		33	More than 30 hrs	1	4	35	1	226	9	1,255	6									
		Total		28	100	3,213	100	2,424	100	20,878	100									
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	2	7	632	20	247	10	3,199	15	6.4	3.7 * ▲	.68	5.7	.12	4.8	.31		
	(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	14	50	2,083	65	1,342	55	12,022	57									
		8	6-10 hrs	8	29	349	11	526	21	3,780	18									
		13	11-15 hrs	2	7	92	3	195	8	1,140	5									
		18	16-20 hrs	1	4	43	1	80	3	436	2									
		23	21-25 hrs	0	0	11	0	27	1	175	1									
		28	26-30 hrs	1	4	7	0	7	0	72	0									
		33	More than 30 hrs	0	0	11	0	27	1	176	1									
		Total		28	100	3,228	100	2,451	100	21,000	100									
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																				
reading				1	Very little	9	32	1,069	33	649	27	6,369	30	1.9	2.0	-.11	2.3 * ▼	-.32	2.2	-.22
(Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)				2	Some	12	43	1,340	42	904	37	8,053	38							
				3	About half	7	25	517	16	552	23	3,925	19							
				4	Most	0	0	207	6	240	10	1,889	9							
				5	Almost all	0	0	88	3	92	4	708	3							
					Total	28	100	3,221	100	2,437	100	20,944	100							
tmreadinghrs												4.1	5.6	-.30	5.6	-.28	5.6	-.27		
(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)																				

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

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Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with						
												NSSEville State	GLC Peers	Carnegie Peers	NSSE 2015 & 2016			
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
	tmreadinghrscol	1	0 hrs	0	0	15	0	15	1	96	0							
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	21	75	1,892	59	1,426	59	12,560	60							
		3	More than 5, up to 10 hrs	3	11	885	28	647	27	5,376	26							
		4	More than 10, up to 15 hrs	3	11	185	6	153	6	1,271	6							
		5	More than 15, up to 20 hrs	1	4	141	4	112	5	867	4							
		6	More than 20, up to 25 hrs	0	0	67	2	51	2	485	2							
		7	More than 25 hrs	0	0	22	1	24	1	202	1							
		Total	28	100	3,207	100	2,428	100	20,857	100								
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																		
a. Writing clearly and effectively	pgwrite	1	Very little	6	21	376	12	288	12	2,376	11	2.5	2.7	-.13	2.7	-.20	2.7	-.18
		2	Some	9	32	1,012	31	689	28	6,230	30							
		3	Quite a bit	5	18	1,196	37	888	36	7,628	36							
		4	Very much	8	29	645	20	587	24	4,795	23							
		Total	28	100	3,229	100	2,452	100	21,029	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	5	18	365	11	317	13	2,600	12	2.6	2.7	-.09	2.7	-.09	2.7	-.08
		2	Some	7	25	979	30	699	29	6,149	29							
		3	Quite a bit	10	36	1,167	36	851	35	7,451	36							
		4	Very much	6	21	704	22	577	24	4,760	23							
		Total	28	100	3,215	100	2,444	100	20,960	100								
c. Thinking critically and analytically	pgthink	1	Very little	0	0	63	2	99	4	666	3	3.4	3.4	-.10	3.2	.15	3.3	.06
		2	Some	6	21	305	9	372	15	2,707	13							
		3	Quite a bit	6	21	1,032	32	853	35	7,134	34							
		4	Very much	16	57	1,823	57	1,127	46	10,485	50							
		Total	28	100	3,223	100	2,451	100	20,992	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	0	0	68	2	122	5	771	4	3.2	3.4	-.34	3.2	.00	3.3	-.13
		2	Some	9	32	333	10	414	17	3,007	14							
		3	Quite a bit	5	18	955	30	813	33	6,694	32							
		4	Very much	14	50	1,868	58	1,101	45	10,516	50							
		Total	28	100	3,224	100	2,450	100	20,988	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		Your seniors compared with						
		NSSEville State										GLC Peers		Carnegie Peers		NSSE 2015 & 2016		
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	0	0	187	6	239	10	1,742	8	3.0	3.1	-.08	2.9	.11	3.0	.06
		2	Some	9	33	613	19	541	22	4,571	22							
		3	Quite a bit	8	30	1,096	34	826	34	7,118	34							
		4	Very much	10	37	1,331	41	843	34	7,577	36							
		Total	27	100	3,227	100	2,449	100	21,008	100								
f. Working effectively with others	pgothers	1	Very little	1	4	109	3	168	7	1,188	6	3.1	3.2	-.10	3.0	.12	3.0	.06
		2	Some	7	25	537	17	568	23	4,510	22							
		3	Quite a bit	9	32	1,317	41	908	37	8,007	38							
		4	Very much	11	39	1,262	39	804	33	7,269	35							
		Total	28	100	3,225	100	2,448	100	20,974	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	6	21	457	14	472	19	3,680	18	2.4	2.7	-.23	2.5	-.11	2.6	-.14
		2	Some	9	32	962	30	710	29	6,286	30							
		3	Quite a bit	8	29	1,016	32	734	30	6,350	30							
		4	Very much	5	18	790	24	536	22	4,689	22							
		Total	28	100	3,225	100	2,452	100	21,005	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	5	18	640	20	506	21	4,197	20	2.4	2.4	-.06	2.5	-.10	2.5	-.09
		2	Some	13	46	1,138	35	788	32	7,018	33							
		3	Quite a bit	5	18	897	28	680	28	5,840	28							
		4	Very much	5	18	548	17	471	19	3,910	19							
		Total	28	100	3,223	100	2,445	100	20,965	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	2	7	175	5	278	11	1,903	9	2.8	3.1	-.30	2.8	-.02	2.9	-.11
		2	Some	8	29	633	20	611	25	4,869	23							
		3	Quite a bit	11	39	1,127	35	779	32	7,062	34							
		4	Very much	7	25	1,288	40	781	32	7,167	34							
		Total	28	100	3,223	100	2,449	100	21,001	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	10	36	711	22	586	24	5,011	24	2.0	2.3	-.30	2.3	-.30	2.3	-.28
		2	Some	9	32	1,210	38	827	34	7,398	35							
		3	Quite a bit	7	25	842	26	643	26	5,327	25							
		4	Very much	2	7	461	14	387	16	3,183	15							
		Total	28	100	3,224	100	2,443	100	20,919	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Seniors ^a in Engineering				Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		NSSEville State		Your seniors compared with					
		GLC Peers												Carnegie Peers		NSSE 2015 & 2016			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
18. How would you evaluate your entire educational experience at this institution?																			
	evalexp	1	Poor	0	0	79	2	106	4	787	4	3.1	3.3	-.32	3.0	.05	3.1	-.08	
		2	Fair	7	25	341	11	428	17	3,077	15								
		3	Good	12	43	1,300	40	1,197	49	9,811	47								
		4	Excellent	9	32	1,518	47	724	29	7,413	35								
		Total		28	100	3,238	100	2,455	100	21,088	100								
19. If you could start over again, would you go to the <i>same institution</i> you are now attending?																			
	sameinst	1	Definitely no	2	7	124	4	181	7	1,148	5	2.9	3.3 *	-.49	3.0	-.14	3.1	-.28	
		2	Probably no	5	18	352	11	386	16	3,010	14								
		3	Probably yes	15	54	1,239	38	1,105	45	8,953	42								
		4	Definitely yes	6	21	1,525	47	790	32	8,007	38								
		Total		28	100	3,240	100	2,462	100	21,118	100								

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

			First-Year Students ^a								Seniors ^a							
			NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
20a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One									28	100	2,986	92	2,245	91	19,141	90
		More than one									0	0	260	8	222	9	2,025	10
		Total									28	100	3,246	100	2,467	100	21,166	100
First major or expected first major, in NSSE's default related-major categories. (Does not reflect any customization made for the Major Field Report)	MAJfirstcol (Recoded from MAJfirst.)	Arts & Humanities									0	0	0	0	0	0	0	0
		Biological Sci., Agriculture, & Natural Resources									0	0	0	0	0	0	0	0
		Physical Sci., Mathematics, & Computer Science									25	89	482	15	696	28	3,724	18
		Social Sciences									0	0	0	0	0	0	0	0
		Business									0	0	0	0	0	0	0	0
		Communications, Media, & Public Relations									0	0	0	0	0	0	0	0
		Education									0	0	0	0	0	0	0	0
		Engineering									0	0	2,705	83	1,395	57	15,338	72
		Health Professions									0	0	0	0	0	0	0	0
		Social Service Professions									0	0	0	0	0	0	0	0
		All Other									3	11	59	2	376	15	2,104	10
		Undecided, Undeclared									0	0	0	0	0	0	0	0
		Total									28	100	3,246	100	2,467	100	21,166	100
Second major or expected second major, in NSSE's default related-major categories. (Does not reflect any customization made for the Major Field Report)	MAJsecondcol (Recoded from MAJsecond.)	Arts & Humanities									0	0	34	13	18	8	210	10
		Biological Sci., Agriculture, & Natural Resources									0	0	7	3	12	5	65	3
		Physical Sci., Mathematics, & Computer Science									0	0	67	26	64	29	567	28
		Social Sciences									0	0	16	6	11	5	105	5
		Business									0	0	18	7	26	12	215	11
		Communications, Media, & Public Relations									0	0	1	0	2	1	13	1
		Education									0	0	2	1	2	1	21	1
		Engineering									0	0	105	41	50	23	573	29
		Health Professions									0	0	1	0	6	3	33	2
		Social Service Professions									0	0	1	0	9	4	34	2
		All Other									0	0	6	2	16	7	139	7
		Undecided, Undeclared									0	0	1	0	3	1	27	1
		Total									0	0	259	100	219	100	2,002	100

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

			First-Year Students ^a								Seniors ^a							
			NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21. What is your class level?	class	Freshman/First-year									0	0	3	0	10	0	73	0
		Sophomore									0	0	39	1	38	2	387	2
		Junior									3	11	496	15	315	13	2,876	14
		Senior									25	89	2,658	82	2,042	83	17,317	82
		Unclassified									0	0	37	1	54	2	424	2
		Total									28	100	3,233	100	2,459	100	21,077	100
22. Thinking about this current academic term, are you a full-time student?	fulltime	No									3	11	296	9	578	24	3,649	17
		Yes									25	89	2,921	91	1,863	76	17,295	83
		Total									28	100	3,217	100	2,441	100	20,944	100
23a. How many courses are you taking for credit this current academic term?	coursenum	0									0	0	63	2	48	2	474	2
		1									1	4	42	1	88	4	662	3
		2									2	7	92	3	200	8	1,330	6
		3									8	29	313	10	338	14	2,073	10
		4									10	36	934	29	690	28	5,802	28
		5									6	21	1,117	35	599	24	6,207	29
		6									1	4	437	14	255	10	2,640	13
		7 or more									0	0	232	7	235	10	1,873	9
		Total									28	100	3,230	100	2,453	100	21,061	100
b. Of these, how many are entirely online?	onlinenum	0									19	68	2,907	91	1,873	77	16,895	81
		1									5	18	245	8	337	14	2,481	12
		2									4	14	40	1	133	5	846	4
		3									0	0	13	0	60	2	321	2
		4									0	0	1	0	23	1	176	1
		5									0	0	3	0	5	0	89	0
		6									0	0	0	0	7	0	56	0
		7 or more									0	0	1	0	5	0	96	0
		Total									28	100	3,210	100	2,443	100	20,960	100
Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum)	onlinecrscol	No courses taken online									19	68	2,907	91	1,873	77	16,895	81
		Some courses taken online									9	32	287	9	458	19	3,084	15
		All courses taken online									0	0	16	0	112	5	981	5
		Total									28	100	3,210	100	2,443	100	20,960	100

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

			First-Year Students ^a								Seniors ^a							
			NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
24. What have most of your grades been up to now at this institution?	grades	C- or lower									0	0	9	0	11	0	103	0
		C									1	4	63	2	75	3	554	3
		C+									1	4	136	4	146	6	1,122	5
		B-									4	14	267	8	214	9	1,786	8
		B									4	14	626	19	546	22	4,375	21
		B+									5	18	629	19	436	18	3,858	18
		A-									4	14	661	20	423	17	3,734	18
		A									9	32	839	26	600	24	5,513	26
		Total									28	100	3,230	100	2,451	100	21,045	100
25. Did you begin college at this institution or elsewhere?	begincol	Started here									8	30	2,677	83	1,103	45	12,575	60
		Started elsewhere									19	70	551	17	1,340	55	8,452	40
		Total									27	100	3,228	100	2,443	100	21,027	100
26. Since graduating from high school, which of the following types of schools have you attended <i>other than</i> the one you are now attending? (Select all that apply.)	attend_voc	Vocational or technical school									1	4	68	2	234	10	1,452	7
	attend_com	Community or junior college									13	46	541	17	1,148	47	7,717	37
	attend_col	4-year college or university other than this one									9	32	450	14	739	30	5,034	24
	attend_none	None									8	29	2,257	70	802	33	9,653	46
	attend_other	Other									1	4	74	2	93	4	796	4
27. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree									0	0	41	1	125	5	825	4
		Bachelor's degree (B.A., B.S., etc.)									11	39	1,038	32	1,001	41	8,092	39
		Master's degree (M.A., M.S., etc.)									13	46	1,571	49	1,030	42	9,158	44
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)									4	14	577	18	288	12	2,931	14
		Total									28	100	3,227	100	2,444	100	21,006	100

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

Engineering			First-Year Students ^a								Seniors ^a								
			NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
28. What is the highest level of education completed by either of your parents (or those who raised you)?	parented	Did not finish high school									1	4	49	2	157	6	886	4	
		High school diploma or G.E.D.									6	21	239	7	473	19	3,136	15	
		Attended college, but did not complete degree									4	14	173	5	295	12	1,905	9	
		Associate's degree (A.A., A.S., etc.)									3	11	211	7	258	11	1,976	9	
		Bachelor's degree (B.A., B.S., etc.)									10	36	1,137	35	744	30	6,915	33	
		Master's degree (M.A., M.S., etc.)									4	14	954	30	406	17	4,461	21	
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)									0	0	462	14	108	4	1,721	8	
		Total									28	100	3,225	100	2,441	100	21,000	100	
	First-generation status (No parent holds a bachelor's degree)	firstgen	Not first-generation									14	50	2,553	79	1,258	52	13,097	62
		(Recoded from parented)	First-generation									14	50	672	21	1,183	48	7,903	38
Total											28	100	3,225	100	2,441	100	21,000	100	
29. What is your gender identity?	genderid	Man									20	74	2,201	68	1,831	75	15,337	73	
		Woman									6	22	971	30	524	21	5,151	25	
		Another gender identity									0	0	18	1	24	1	132	1	
		I prefer not to respond									1	4	37	1	61	3	370	2	
		Total									27	100	3,227	100	2,440	100	20,990	100	
30. Enter your year of birth (e.g., 1994):	agecat (Recoded from the information entered in birthyear)	19 or younger									0	0	18	1	13	1	137	1	
		20-23									16	57	2,763	86	1,203	50	13,493	65	
		24-29									10	36	367	11	672	28	4,070	20	
		30-39									1	4	59	2	360	15	2,080	10	
		40-55									0	0	7	0	158	7	961	5	
		Over 55									1	4	4	0	18	1	109	1	
		Total									28	100	3,218	100	2,424	100	20,850	100	
31a. Are you an international student?	internat	No									27	96	3,001	93	2,293	94	19,667	94	
		Yes									1	4	213	7	136	6	1,207	6	
		Total									28	100	3,214	100	2,429	100	20,874	100	
	International student country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file. U.S. (domestic) students did not receive this question.	countrycol (Recoded from country.)	Africa Sub-Saharan									0	0	5	2	10	8	95	8
Asia											0	0	146	70	50	42	527	46	
Canada											0	0	3	1	1	1	25	2	
Europe											0	0	15	7	15	13	87	8	
Latin America and Caribbean											0	0	26	13	10	8	164	14	
Middle East and North Africa											0	0	13	6	34	28	247	21	
Oceania											0	0	0	0	0	0	5	0	
Unknown region/uncoded											0	0	0	0	0	0	0	0	
Total											0	0	208	100	120	100	1,150	100	

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

			First-Year Students ^a								Seniors ^a							
			NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
32. What is your racial or ethnic identification? (Select all that apply.)	re_amind	American Indian or Alaska Native									2	7	38	1	46	2	366	2
	re_asian	Asian									7	25	459	14	237	10	2,354	11
	re_black	Black or African American									2	7	98	3	164	7	1,343	6
	re_latino	Hispanic or Latino									4	14	191	6	243	10	1,972	9
	re_pacific	Native Hawaiian or Other Pacific Islander									0	0	21	1	11	0	181	1
	re_white	White									13	46	2,490	77	1,642	67	14,836	71
	re_other	Other									0	0	57	2	76	3	522	2
	re_pnr	I prefer not to respond									1	4	93	3	166	7	1,015	5
	Racial or ethnic identification	re_all									1	4	6	0	13	1	86	0
		(Recoded from re_amind through re_pnr where each student is represented only once)									7	25	393	12	208	9	1,928	9
33. Are you a member of a social fraternity or sorority?	greek	No									27	96	2,583	80	2,282	94	18,477	88
		Yes									1	4	631	20	154	6	2,438	12
		Total									28	100	3,214	100	2,436	100	20,915	100
	living	Dormitory or other campus housing (not fraternity or sorority house)									3	11	673	21	183	8	2,750	13
		Fraternity or sorority house									0	0	223	7	21	1	556	3
		Residence (house, apartment, etc.) within walking distance to the institution									0	0	1,414	44	539	22	6,227	30
		Residence (house, apartment, etc.) farther than walking distance to the institution									23	82	879	27	1,601	66	10,765	51
		None of the above									2	7	31	1	93	4	656	3
		Total									28	100	3,220	100	2,437	100	20,972	100
											28	100	3,214	100	2,436	100	20,915	100
34. Which of the following best describes where you are living while attending college?	living	Dormitory or other campus housing (not fraternity or sorority house)									3	11	673	21	183	8	2,750	13
		Fraternity or sorority house									0	0	223	7	21	1	556	3
		Residence (house, apartment, etc.) within walking distance to the institution									0	0	1,414	44	539	22	6,227	30
35. Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No									28	100	3,037	94	2,342	97	20,054	96
		Yes									0	0	177	6	84	3	798	4
		Total									28	100	3,214	100	2,426	100	20,852	100

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

			First-Year Students ^a								Seniors ^a							
			NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
36. Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No									26	93	3,133	97	2,204	91	19,331	93
		Yes									2	7	82	3	220	9	1,547	7
		Total									28	100	3,215	100	2,424	100	20,878	100
37a. Have you been diagnosed with any disability or impairment?	disability	No									22	79	2,841	88	2,087	85	18,140	87
		Yes									6	21	288	9	247	10	2,081	10
		I prefer not to respond									0	0	87	3	107	4	739	4
		Total									28	100	3,216	100	2,441	100	20,960	100
b. [If answered "yes"] Which of the following has been diagnosed? (Select all that apply.)	dis_sense	A sensory impairment (vision or hearing)									1	17	45	16	47	19	364	18
	dis_mobility	A mobility impairment									1	17	9	3	27	11	201	10
	dis_learning	A learning disability (e.g., ADHD, dyslexia)									2	33	142	49	105	43	1,020	49
	dis_mental	A mental health disorder									1	17	100	35	61	25	560	27
	dis_other	A disability or impairment not listed above									1	17	50	17	66	27	438	21
	Disability or impairment (Recoded from disability and dis_sense through dis_other where each student is represented only once)	A sensory impairment									1	4	34	1	31	1	237	1
		A mobility impairment									1	4	6	0	14	1	95	0
		A learning disability									2	7	104	3	70	3	748	4
		A mental health disorder									1	4	59	2	34	1	292	1
		A disability or impairment not listed									1	4	34	1	50	2	281	1
		More than one disability or impairment									0	0	50	2	46	2	412	2
		No disability or impairment									22	79	2,841	88	2,087	86	18,140	87
		I prefer not to respond									0	0	87	3	107	4	739	4
		Total									28	100	3,215	100	2,439	100	20,944	100
38. Which of the following best describes your sexual orientation? (Question administered per institution request)	sexorient14	Heterosexual									--	--	1,279	87	881	86	8,695	87
		Gay									--	--	27	2	13	1	145	1
		Lesbian									--	--	7	0	10	1	69	1
		Bisexual									--	--	43	3	19	2	248	2
		Another sexual orientation									--	--	19	1	19	2	117	1
		Questioning or unsure									--	--	16	1	9	1	82	1
		I prefer not to respond									--	--	75	5	78	8	651	7
		Total									--	--	1,466	100	1,029	100	10,007	100

NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

First-Year Students^a

Seniors^a

			NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016		NSSEville State		GLC Peers		Carnegie Peers		NSSE 2015 & 2016	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Institution-reported information																		
(Variables provided by your institution in your NSSE population file.)																		
Institution-reported sex	IRsex	Female									7	25	985	30	534	22	5,275	25
		Male									21	75	2,261	70	1,933	78	15,890	75
		Total									28	100	3,246	100	2,467	100	21,165	100
Institution-reported race or ethnicity	IRrace	American Indian or Alaska Native									0	0	8	0	23	1	120	1
		Asian									7	25	229	7	140	6	1,286	6
		Black or African American									2	7	62	2	141	6	1,042	5
		Hispanic or Latino									4	14	174	6	225	10	1,768	9
		Native Hawaiian/Other Pac. Islander									0	0	4	0	3	0	68	0
		White									15	54	2,226	72	1,405	64	13,146	66
		Other									0	0	0	0	0	0	1	0
		Foreign or nonresident alien									0	0	209	7	101	5	1,029	5
		Two or more races/ethnicities									0	0	89	3	54	2	549	3
		Unknown									0	0	96	3	110	5	791	4
	Total									28	100	3,097	100	2,202	100	19,800	100	
Institution-reported class level	IRclass	Freshman/First-Year									0	0	0	0	0	0	0	0
		Sophomore									0	0	0	0	0	0	0	0
		Junior									0	0	0	0	0	0	0	0
		Senior									28	100	3,246	100	2,467	100	21,166	100
		Other									0	0	0	0	0	0	0	0
		Total									28	100	3,246	100	2,467	100	21,166	100
Institution-reported first-time first-year (FTFY) status	IRftfy	No									28	100	3,196	98	2,408	98	20,987	99
		Yes									0	0	50	2	59	2	179	1
		Total									28	100	3,246	100	2,467	100	21,166	100
Institution-reported enrollment status	IRenrollment	Not full-time									1	4	149	5	532	22	3,285	16
		Full-time									27	96	3,097	95	1,935	78	17,881	84
		Total									28	100	3,246	100	2,467	100	21,166	100

Endnotes

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

Key to symbols:

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

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

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