
NSSEville State University

NSSE 2019 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 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

Frequencies will be reported for related-major groups that have at least 5 respondents, but NSSE requires a group to have at least 20 respondents for statistical comparisons (e.g., means and t-tests). Comparison groups must contain at least 20 respondents in the major category, or they remain blank. Although 20 is a minimum requirement for all other statistics (Engagement Indicators, means, etc.), keep in mind that any statistical result requires a sufficient number of respondents per group to produce a reliable estimate. Due to the disaggregation of results by student-reported major, *Major Field Report* results are unweighted.





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

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

Engagement Indicators: Overview













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

Use the following key:

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

First-Year Students in Engineering

Seniors in Engineering

Theme	Engagement Indicator	First-Year Students in Engineering			Seniors in Engineering		
		Your first-year students compared with Admissions Overlap	Your first-year students compared with Carnegie UG Program	Your first-year students compared with NSSE 2018 & 2019	Your seniors compared with Admissions Overlap	Your seniors compared with Carnegie UG Program	Your seniors compared with NSSE 2018 & 2019
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	--	--		--	--	--

First-year students^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 = 68)	36.9	12.6	1.53	20	28	40	45	60				
Admissions Overlap	37.6	11.8	.95	20	30	40	40	60	218	-.7		-.057
Carnegie UG Program	36.5	12.9	.85	15	30	35	45	60	297	.4		.033
NSSE 2018 & 2019	37.9	12.5	.09	20	30	40	45	60	18,573	-1.0		-.082
Reflective & Integrative Learning												
NSSEville State (N = 70)	33.0	12.1	1.45	11	26	34	40	54				
Admissions Overlap	33.7	11.2	.90	17	26	31	40	57	223	-.6		-.054
Carnegie UG Program	32.1	10.9	.71	14	26	31	40	51	302	1.0		.085
NSSE 2018 & 2019	33.3	11.4	.08	14	26	34	40	54	18,775	-.3		-.023
Learning Strategies												
NSSEville State (N = 67)	35.5	11.9	1.45	13	27	40	40	53				
Admissions Overlap	36.8	14.6	1.18	13	27	33	47	60	153	-1.3		-.094
Carnegie UG Program	34.7	13.3	.88	13	27	33	40	60	296	.8		.064
NSSE 2018 & 2019	36.0	13.4	.10	13	27	33	47	60	18,552	-.4		-.032
Quantitative Reasoning												
NSSEville State (N = 69)	32.0	14.9	1.79	7	20	33	40	60				
Admissions Overlap	31.3	14.2	1.15	13	20	27	40	60	219	.7		.049
Carnegie UG Program	30.4	13.8	.91	7	20	27	40	53	296	1.6		.115
NSSE 2018 & 2019	30.4	14.5	.11	7	20	27	40	60	18,531	1.6		.111
Learning with Peers												
Collaborative Learning												
NSSEville State (N = 68)	32.6	14.4	1.74	10	20	30	43	60				
Admissions Overlap	34.4	13.3	1.07	10	25	35	45	55	221	-1.7		-.125
Carnegie UG Program	32.3	13.4	.88	10	20	35	40	55	298	.4		.028
NSSE 2018 & 2019	35.3	14.5	.11	10	25	35	45	60	18,728	-2.6		-.180
Discussions with Diverse Others												
NSSEville State (N = 67)	41.9	13.9	1.70	20	30	40	55	60				
Admissions Overlap	39.9	14.9	1.21	20	30	40	55	60	216	2.0		.140
Carnegie UG Program	35.6	14.9	.98	15	20	40	45	60	296	6.4	**	.433
NSSE 2018 & 2019	39.2	15.3	.11	15	30	40	50	60	18,565	2.7		.177

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Engineering

NSSEville State University

First-year students^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 = 69)	19.7	13.2	1.59	5	10	15	25	40				
Admissions Overlap	21.6	13.8	1.11	0	10	20	30	45	221	-1.8		-.136
Carnegie UG Program	21.0	13.9	.91	0	10	20	30	45	298	-1.3		-.097
NSSE 2018 & 2019	19.9	13.9	.10	0	10	20	30	45	18,550	-.1		-.010
Effective Teaching Practices												
NSSEville State (N = 69)	35.4	12.8	1.54	16	28	36	44	60				
Admissions Overlap	37.3	13.2	1.06	12	28	40	48	60	222	-1.9		-.144
Carnegie UG Program	39.0	12.2	.80	20	32	40	48	60	299	-3.5	*	-.286
NSSE 2018 & 2019	37.7	12.6	.09	16	28	40	48	60	18,753	-2.3		-.181
Campus Environment												
Quality of Interactions												
NSSEville State (N = 68)	40.4	12.0	1.46	24	33	40	50	58				
Admissions Overlap	42.9	11.6	.97	20	36	44	52	60	208	-2.5		-.216
Carnegie UG Program	44.7	10.6	.71	25	38	46	52	60	289	-4.3	**	-.396
NSSE 2018 & 2019	42.8	11.5	.09	22	36	44	50	60	17,744	-2.4		-.211
Supportive Environment												
NSSEville State (N = 68)	31.5	13.2	1.60	13	20	33	40	53				
Admissions Overlap	35.1	13.2	1.06	13	28	34	43	60	220	-3.6		-.271
Carnegie UG Program	34.4	12.6	.82	10	25	37	43	55	300	-2.9		-.229
NSSE 2018 & 2019	35.5	12.8	.09	15	28	35	43	60	18,633	-4.0	**	-.313

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 = 100)	37.7	13.3	1.33	18	30	40	50	60				
Admissions Overlap	38.9	12.6	1.18	20	30	40	50	60	212	-1.3		-.100
Carnegie UG Program	37.7	14.7	.80	10	25	40	50	60	433	-.1		-.006
NSSE 2018 & 2019	37.5	13.5	.09	15	30	40	45	60	22,662	.2		.013
Reflective & Integrative Learning												
NSSEville State (N = 102)	32.1	12.7	1.25	11	23	31	40	51				
Admissions Overlap	34.8	11.3	1.06	17	26	34	40	54	214	-2.7		-.225
Carnegie UG Program	32.6	12.0	.65	14	26	31	40	57	439	-.5		-.038
NSSE 2018 & 2019	32.9	11.8	.08	14	26	31	40	54	22,909	-.7		-.063
Learning Strategies												
NSSEville State (N = 101)	35.0	14.7	1.47	13	27	33	47	60				
Admissions Overlap	35.6	14.4	1.35	13	20	40	47	60	213	-.6		-.039
Carnegie UG Program	35.8	14.6	.80	7	27	40	47	60	435	-.8		-.055
NSSE 2018 & 2019	34.4	14.6	.10	13	27	33	47	60	22,665	.6		.042
Quantitative Reasoning												
NSSEville State (N = 102)	33.5	16.4	1.63	7	20	33	47	60				
Admissions Overlap	33.0	16.1	1.50	7	20	33	47	60	215	.5		.033
Carnegie UG Program	31.7	17.3	.94	7	20	27	47	60	438	1.8		.105
NSSE 2018 & 2019	32.7	15.6	.10	7	20	33	40	60	22,628	.8		.050
Learning with Peers												
Collaborative Learning												
NSSEville State (N = 101)	41.7	14.2	1.41	15	30	45	55	60				
Admissions Overlap	37.0	14.3	1.34	10	25	35	50	60	213	4.8	*	.333
Carnegie UG Program	35.4	15.0	.82	10	25	35	45	60	439	6.3	***	.425
NSSE 2018 & 2019	37.4	15.1	.10	10	25	40	50	60	22,836	4.3	**	.288
Discussions with Diverse Others												
NSSEville State (N = 100)	41.8	15.6	1.56	15	30	40	60	60				
Admissions Overlap	39.3	16.7	1.57	15	25	40	60	60	212	2.5		.152
Carnegie UG Program	37.1	16.7	.91	5	25	40	50	60	433	4.7	*	.284
NSSE 2018 & 2019	39.3	16.2	.11	10	30	40	55	60	22,616	2.5		.152

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Engineering

NSSEville State University

Seniors^a in Engineering

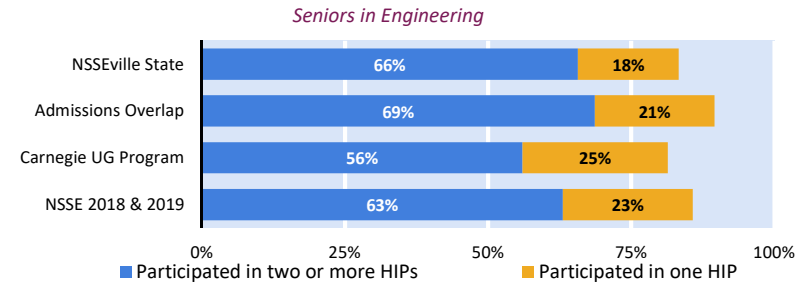
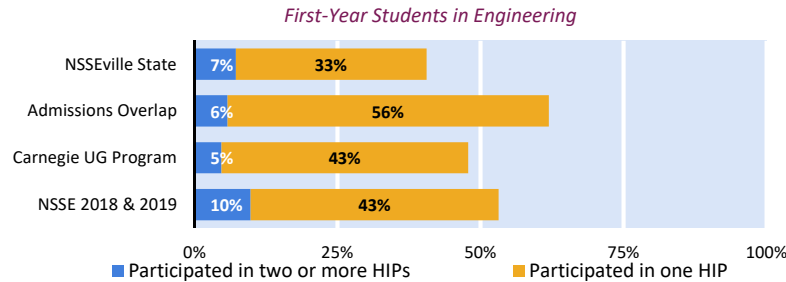
	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
NSSEville State (N = 101)	28.2	16.9	1.68	5	15	25	40	60				
Admissions Overlap	25.8	15.1	1.42	5	15	25	35	60	212	2.4		.149
Carnegie UG Program	24.3	15.9	.87	0	10	20	35	55	436	3.9	*	.241
NSSE 2018 & 2019	22.7	15.3	.10	0	10	20	35	55	22,667	5.5	***	.358
Effective Teaching Practices												
NSSEville State (N = 102)	39.6	14.0	1.38	16	32	40	48	60				
Admissions Overlap	37.9	12.7	1.19	20	28	40	44	60	215	1.7		.126
Carnegie UG Program	38.1	14.8	.81	8	28	40	48	60	438	1.5		.103
NSSE 2018 & 2019	36.5	13.5	.09	15	28	36	44	60	22,871	3.1	*	.228
Campus Environment												
Quality of Interactions												
NSSEville State (N = 95)	44.3	11.5	1.18	20	36	46	52	60				
Admissions Overlap	42.5	12.3	1.18	22	36	44	52	60	202	1.8		.148
Carnegie UG Program	43.9	11.6	.64	20	38	45	52	60	418	.4		.035
NSSE 2018 & 2019	41.3	12.0	.08	20	34	42	50	60	21,645	3.0	*	.247
Supportive Environment												
NSSEville State (N = 101)	31.4	13.3	1.32	10	23	31	40	55				
Admissions Overlap	30.8	13.7	1.29	13	20	28	40	58	213	.5		.039
Carnegie UG Program	29.5	13.2	.72	8	20	30	40	53	437	1.8		.138
NSSE 2018 & 2019	30.0	13.7	.09	8	20	30	40	55	22,732	1.3		.098

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

High-Impact Practices: Engineering NSSEville State University

Overall HIP Participation^{a,h}

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



Statistical Comparisons

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

	NSSEville State	<i>Your students' participation compared with:</i>							
	%	Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019			
		Difference ⁱ	ES ^j	Difference ⁱ	ES ^j	Difference ⁱ	ES ^j	Difference ⁱ	ES ^j
<i>First-Year Students in Engineering</i>									
12. Service-Learning	37	-19	**	-6	-.12	-9	-.18		
11c. Learning Community	10	-1		+3	.12	-4	-.11		
11e. Research with Faculty	3	+0		-0	-.01	-2	-.12		
Participated in at least one	41	-21	**	-7	-.15	-13	-.25	*	
Participated in two or more	7	+1		+3	.11	-3	-.09		
<i>Seniors in Engineering</i>									
12. Service-Learning	54	-3		+6	.12	+9	.17		
11c. Learning Community	26	+5		+5	.13	+4	.10		
11e. Research with Faculty	27	+3		+3	.07	-1	-.02		
11a. Internship or Field Exp.	53	+6		+3	.06	-2	-.03		
11d. Study Abroad	11	-9		+7	.06	-2	-.05		
11f. Culminating Senior Exp.	47	-20	**	+3	.06	-7	-.15		
Participated in at least one	83	-6		+2	.05	-2	-.07		
Participated in two or more	66	-3		+10	.20	+3	.05		

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k													
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your first-year students compared with												
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ						
1. During the current school year, about how often have you done the following?																									
a. Asked questions or contributed to course discussions in other ways	askquest	1 2 3 4	Never Sometimes Often Very often	2 34 23 11	3 49 33 16	2 46 65 44	1 29 41 28	6 91 91 45	3 39 39 19	785 7,286 6,763 3,896	4 39 36 21	2.6	3.0 **	-0.44	2.8	-0.17	2.7	-0.15							
Total				70	100	157	100	233	100	18,730	100														
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1 2 3 4	Never Sometimes Often Very often	14 33 18 4	20 48 26 6	29 69 36 22	19 44 23 14	38 89 71 37	16 38 30 16	3,719 7,061 5,262 2,680	20 38 28 14								2.2	2.3	-0.17	2.5 *	-0.31	2.4	-0.20
Total				69	100	156	100	235	100	18,722	100														
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1 2 3 4	Very often Often Sometimes Never	4 8 46 11	6 12 67 16	5 17 89 46	3 11 57 29	8 29 140 57	3 12 60 24	855 2,426 10,618 4,863	5 13 57 26														
Total				69	100	157	100	234	100	18,762	100														
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1 2 3 4	Never Sometimes Often Very often	39 19 8 4	56 27 11 6	83 54 15 5	53 34 10 3	107 89 31 8	46 38 13 3	8,126 7,203 2,455 975	43 38 13 5	1.7	1.6	0.05	1.7	-0.09	1.8	-0.15							
Total				70	100	157	100	235	100	18,759	100														
e. Asked another student to help you understand course material	CLaskhelp	1 2 3 4	Never Sometimes Often Very often	7 30 22 10	10 43 32 14	12 59 64 22	8 38 41 14	25 80 88 40	11 34 38 17	1,456 6,137 6,796 4,393	8 33 36 23								2.5	2.6	-0.12	2.6	-0.12	2.8 *	-0.27
Total				69	100	157	100	233	100	18,782	100														
f. Explained course material to one or more students	CLexplain	1 2 3 4	Never Sometimes Often Very often	3 28 23 15	4 41 33 22	5 59 64 28	3 38 41 18	13 70 108 44	6 30 46 19	799 5,703 7,638 4,628	4 30 41 25														
Total				69	100	156	100	235	100	18,768	100														

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your first-year students compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	8	11	27	17	42	18	2,536	14	2.5	2.6	-.08	2.4	.08	2.6	-.14
		2	Sometimes	30	43	47	30	84	36	5,910	31							
		3	Often	21	30	46	29	74	32	6,066	32							
		4	Very often	11	16	36	23	34	15	4,255	23							
		Total		70	100	156	100	234	100	18,767	100							
h. Worked with other students on course projects or assignments	CLproject	1	Never	4	6	9	6	16	7	1,194	6	2.8	3.0	-.23	2.6	.13	2.8	-.05
		2	Sometimes	23	33	36	23	89	38	5,854	31							
		3	Often	29	41	63	41	89	38	7,249	39							
		4	Very often	14	20	47	30	39	17	4,457	24							
		Total		70	100	155	100	233	100	18,754	100							
i. Given a course presentation	present	1	Never	18	26	14	9	64	27	3,825	20	2.1	2.7 ***	-.60	2.1	.00	2.2	-.11
		2	Sometimes	32	46	61	39	101	43	8,877	47							
		3	Often	14	20	42	27	50	21	4,319	23							
		4	Very often	6	9	38	25	20	9	1,748	9							
		Total		70	100	155	100	235	100	18,769	100							
2. During the current school year, about how often have you done the following?																		
a. Combined ideas from different courses when completing assignments	RIntegrate	1	Never	5	7	7	4	19	8	1,586	8	2.5	2.7	-.25	2.5	-.06	2.5	-.08
		2	Sometimes	34	49	63	40	103	44	7,852	42							
		3	Often	24	34	60	38	84	36	6,881	37							
		4	Very often	7	10	26	17	28	12	2,421	13							
		Total		70	100	156	100	234	100	18,740	100							
b. Connected your learning to societal problems or issues	RSocietal	1	Never	7	10	16	10	40	17	2,706	14	2.4	2.4	-.06	2.3	.13	2.4	.04
		2	Sometimes	35	50	75	48	102	44	8,497	45							
		3	Often	21	30	44	28	76	32	5,567	30							
		4	Very often	7	10	21	13	16	7	1,976	11							
		Total		70	100	156	100	234	100	18,746	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	15	21	23	15	50	21	3,155	17	2.3	2.4	-.10	2.2	.08	2.3	-.08
		2	Sometimes	28	40	73	47	104	44	8,087	43							
		3	Often	20	29	39	25	64	27	5,415	29							
		4	Very often	7	10	20	13	17	7	2,076	11							
		Total		70	100	155	100	235	100	18,733	100							

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Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your first-year students compared with				
				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	4	6	10	6	15	6	1,036	6	2.7	2.8	-.03	2.7	.02	2.7	.01
		2	Sometimes	25	36	49	31	79	34	6,212	33							
		3	Often	27	39	66	42	99	42	8,339	45							
		4	Very often	14	20	31	20	41	18	3,128	17							
		Total		70	100	156	100	234	100	18,715	100							
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	5	7	5	3	8	3	669	4	2.8	2.9	-.08	2.8	.00	2.9	-.05
		2	Sometimes	15	21	46	30	69	29	5,304	28							
		3	Often	37	53	64	41	114	49	8,610	46							
		4	Very often	13	19	40	26	44	19	4,129	22							
		Total		70	100	155	100	235	100	18,712	100							
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	2	3	5	3	10	4	636	3	2.8	2.6	.26	2.7	.16	2.8	.03
		2	Sometimes	23	33	61	40	83	36	6,116	33							
		3	Often	29	42	73	47	106	45	8,286	44							
		4	Very often	15	22	15	10	34	15	3,635	19							
		Total		69	100	154	100	233	100	18,673	100							
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	1	1	2	1	275	1	3.0	3.0	.02	3.0	.10	3.0	.04
		2	Sometimes	15	22	38	25	56	24	4,030	22							
		3	Often	36	52	72	46	120	52	9,435	51							
		4	Very often	18	26	44	28	53	23	4,904	26							
		Total		69	100	155	100	231	100	18,644	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	17	25	33	21	44	19	4,578	25	2.1	2.2	-.07	2.2	-.08	2.2	-.01
		2	Sometimes	31	45	73	47	119	51	8,400	45							
		3	Often	15	22	35	22	48	21	3,871	21							
		4	Very often	6	9	15	10	23	10	1,832	10							
		Total		69	100	156	100	234	100	18,681	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	39	56	64	41	114	49	9,275	50	1.7	1.8	-.15	1.8	-.06	1.7	-.04
		2	Sometimes	16	23	58	37	69	30	5,891	32							
		3	Often	11	16	26	17	37	16	2,483	13							
		4	Very often	4	6	7	5	12	5	1,023	5							
		Total		70	100	155	100	232	100	18,672	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your first-year students compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	24	34	45	29	61	26	5,689	30	1.9	2.1	-.18	2.0	-.18	2.0	-.13
		2	Sometimes	31	44	68	44	113	48	8,317	45							
		3	Often	13	19	33	21	48	21	3,446	18							
		4	Very often	2	3	10	6	12	5	1,210	6							
		Total		70	100	156	100	234	100	18,662	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	11	16	26	17	52	22	4,967	27	2.2	2.2	-.04	2.2	.07	2.1	.17
		2	Sometimes	38	54	77	50	109	47	8,750	47							
		3	Often	16	23	40	26	55	24	3,672	20							
		4	Very often	5	7	12	8	17	7	1,270	7							
		Total		70	100	155	100	233	100	18,659	100							
4. During the current school year, how much has your coursework emphasized the following?																		
a. Memorizing course material	memorize	1	Very little	1	1	7	4	9	4	759	4	2.9	2.7	.28	2.9	.03	2.8	.06
		2	Some	20	29	56	36	72	31	5,584	30							
		3	Quite a bit	36	51	75	48	98	42	8,538	46							
		4	Very much	13	19	18	12	55	24	3,814	20							
		Total		70	100	156	100	234	100	18,695	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	2	3	7	4	8	3	480	3	2.9	2.9	.07	3.0	-.05	3.1	-.16
		2	Some	20	29	34	22	51	22	3,668	20							
		3	Quite a bit	28	41	87	56	115	49	8,903	48							
		4	Very much	19	28	28	18	60	26	5,633	30							
		Total		69	100	156	100	234	100	18,684	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	1	1	6	4	8	3	643	3	2.9	2.9	-.02	2.9	.00	2.9	-.09
		2	Some	22	31	38	25	60	26	4,590	25							
		3	Quite a bit	32	46	78	50	119	51	8,552	46							
		4	Very much	15	21	33	21	46	20	4,880	26							
		Total		70	100	155	100	233	100	18,665	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	3	4	6	4	18	8	1,158	6	2.8	2.8	-.02	2.7	.16	2.8	.05
		2	Some	20	29	42	27	80	34	5,888	32							
		3	Quite a bit	34	49	81	53	95	41	8,018	43							
		4	Very much	12	17	25	16	39	17	3,574	19							
		Total		69	100	154	100	232	100	18,638	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description				Frequency Distributions								Statistical Comparisons ^k										
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your first-year students compared with								
				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	2	3	5	3	11	5	849	5	2.8	2.9	-0.18	2.8	-0.03	2.8	-0.07
				2	Some	22	31	38	25	72	31	5,410	29									
				3	Quite a bit	36	51	79	51	104	44	8,453	45									
				4	Very much	10	14	33	21	47	20	3,962	21									
				Total		70	100	155	100	234	100	18,674	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	2	3	3	2	4	2	431	2	2.9	3.0	-0.12	3.0	-0.23	3.0	-0.20
				2	Some	19	27	40	26	49	21	4,062	22									
				3	Quite a bit	35	50	71	46	111	48	8,796	47									
				4	Very much	14	20	40	26	68	29	5,378	29									
				Total		70	100	154	100	232	100	18,667	100									
b. Taught course sessions in an organized way				ETorganize		1	Very little	4	6	5	3	4	2	647	3	2.7	2.9	-0.26	3.1 ***	-0.49	3.0 **	-0.33
				2	Some	23	34	43	28	44	19	4,137	22									
				3	Quite a bit	29	43	63	41	108	47	8,690	47									
				4	Very much	12	18	43	28	76	33	5,178	28									
				Total		68	100	154	100	232	100	18,652	100									
c. Used examples or illustrations to explain difficult points				ETexample		1	Very little	3	4	8	5	6	3	578	3	2.9	2.8	0.09	3.1	-0.25	3.0	-0.15
				2	Some	15	21	45	29	42	18	4,120	22									
				3	Quite a bit	38	54	68	44	111	47	8,287	44									
				4	Very much	14	20	34	22	75	32	5,673	30									
				Total		70	100	155	100	234	100	18,658	100									
d. Provided feedback on a draft or work in progress				ETdraftfb		1	Very little	8	12	11	7	13	6	1,662	9	2.7	2.8	-0.14	2.8	-0.08	2.7	0.00
				2	Some	18	26	36	23	77	33	6,036	32									
				3	Quite a bit	29	42	76	49	89	38	6,990	37									
				4	Very much	14	20	32	21	53	23	3,968	21									
				Total		69	100	155	100	232	100	18,656	100									
e. Provided prompt and detailed feedback on tests or completed assignments				ETfeedback		1	Very little	6	9	10	7	15	6	1,559	8	2.6	2.8	-0.16	2.7	-0.08	2.7	-0.05
				2	Some	24	34	42	27	83	36	6,276	34									
				3	Quite a bit	29	41	73	48	89	38	7,263	39									
				4	Very much	11	16	28	18	46	20	3,569	19									
				Total		70	100	153	100	233	100	18,667	100									

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description				Frequency Distributions								Statistical Comparisons ^k									
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your first-year students compared with							
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ			
6. During the current school year, about how often have you done the following?																					
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)				QRconclude	1	Never	2	3	10	6	9	4	971	5	2.9	2.7	.25	2.8	.16	2.8	.14
					2	Sometimes	17	24	48	31	72	31	5,537	30							
					3	Often	35	50	71	46	108	46	8,188	44							
					4	Very often	16	23	26	17	44	19	3,931	21							
					Total		70	100	155	100	233	100	18,627	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)				QRproblem	1	Never	15	22	21	14	40	17	3,649	20	2.4	2.4	-.04	2.4	.06	2.3	.07
					2	Sometimes	21	30	64	41	91	39	7,274	39							
					3	Often	23	33	51	33	79	34	5,431	29							
					4	Very often	10	14	19	12	21	9	2,263	12							
					Total		69	100	155	100	231	100	18,617	100							
c. Evaluated what others have concluded from numerical information				QRevaluate	1	Never	11	16	19	13	33	14	2,656	14	2.5	2.5	-.05	2.4	.07	2.4	.06
					2	Sometimes	26	37	59	39	93	40	7,751	42							
					3	Often	23	33	52	34	86	37	6,148	33							
					4	Very often	10	14	22	14	19	8	2,034	11							
					Total		70	100	152	100	231	100	18,589	100							
7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)																					
a. Up to 5 pages				wrshortnum	0	None	8	12	3	2	22	9	1,315	7	5.5	7.4 *	-0.35	6.1	-0.11	6.1	-0.11
					1.5	1-2	15	22	19	12	45	19	3,940	21							
				(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	4	3-5	22	32	55	36	83	36	6,327	34							
					8	6-10	14	20	48	31	43	18	4,004	21							
					13	11-15	6	9	13	8	20	9	1,683	9							
					18	16-20	3	4	7	5	8	3	637	3							
					23	More than 20	1	1	9	6	12	5	722	4							
					Total		69	100	154	100	233	100	18,628	100							
b. Between 6 and 10 pages				wrmednum	0	None	33	47	40	26	101	43	6,981	38	2.0	2.7	-0.20	1.7	.11	2.1	-0.04
					1.5	1-2	22	31	66	43	90	38	6,918	37							
				(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	4	3-5	8	11	30	19	28	12	3,008	16							
					8	6-10	4	6	12	8	11	5	1,180	6							
					13	11-15	2	3	2	1	3	1	328	2							
					18	16-20	1	1	2	1	0	0	72	0							
					23	More than 20	0	0	2	1	1	0	109	1							
					Total		70	100	154	100	234	100	18,596	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your first-year students compared with					
				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	55	81	110	72	181	78	13,871	75	.9	1.4	-.13	.8	.06	.9	-.01	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	8	12	26	17	33	14	3,194	17								
	4	3-5	0	0	4	3	7	3	724	4									
	8	6-10	3	4	5	3	8	3	386	2									
	13	11-15	2	3	5	3	1	0	258	1									
	18	16-20	0	0	0	0	0	0	57	0									
	23	More than 20	0	0	2	1	1	0	106	1									
Total		68	100	152	100	231	100	18,596	100										
Estimated number of assigned pages of student writing.	wpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									45.2	64.3	-.23	43.5	.03	49.2	-.06	
8. During the current school year, about how often have you had discussions with people from the following groups?																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	2	3	6	4	22	9	964	5	3.0	3.1	-.05	2.7 **	.38	3.0	.03	
		2	Sometimes	16	23	28	18	81	35	4,795	26								
		3	Often	29	42	67	44	80	34	6,043	32								
		4	Very often	22	32	51	34	51	22	6,831	37								
		Total		69	100	152	100	234	100	18,633	100								
b. People from an economic background other than your own	DDeconomic	1	Never	1	1	6	4	14	6	865	5	3.1	3.0	.16	2.8 *	.36	3.0	.11	
		2	Sometimes	14	21	35	23	75	32	4,459	24								
		3	Often	30	44	70	45	88	38	6,913	37								
		4	Very often	23	34	43	28	56	24	6,393	34								
		Total		68	100	154	100	233	100	18,630	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	1	1	5	3	17	7	1,275	7	3.1	3.0	.16	2.8 *	.34	2.9	.18	
		2	Sometimes	16	24	41	27	74	32	4,962	27								
		3	Often	26	38	62	40	80	34	6,088	33								
		4	Very often	25	37	46	30	62	27	6,303	34								
		Total		68	100	154	100	233	100	18,628	100								
d. People with political views other than your own	DDpolitical	1	Never	2	3	9	6	12	5	1,259	7	3.1	2.9	.14	2.8	.26	2.9	.18	
		2	Sometimes	17	25	41	27	76	33	5,386	29								
		3	Often	25	36	55	36	85	36	6,195	33								
		4	Very often	25	36	49	32	60	26	5,794	31								
		Total		69	100	154	100	233	100	18,634	100								

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

				Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your first-year students compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		
													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	3	4	4	3	14	6	535	3	2.9	3.0	-.12	2.8	.11	2.9	-.02	
		2	Sometimes	13	19	34	22	60	26	5,074	27								
		3	Often	43	62	80	52	121	52	8,973	48								
		4	Very often	10	14	35	23	38	16	4,015	22								
		Total		69	100	153	100	233	100	18,597	100								
b. Reviewed your notes after class	LSnotes	1	Never	1	1	8	5	13	6	1,099	6	2.8	2.8	-.02	2.7	.08	2.8	-.01	
		2	Sometimes	25	37	56	36	87	37	6,134	33								
		3	Often	29	43	48	31	83	36	6,726	36								
		4	Very often	13	19	43	28	50	21	4,647	25								
		Total		68	100	155	100	233	100	18,606	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	5	7	10	6	16	7	1,337	7	2.6	2.8	-.14	2.7	-.05	2.7	-.08	
		2	Sometimes	26	38	51	33	82	35	6,502	35								
		3	Often	26	38	60	39	96	41	7,114	38								
		4	Very often	11	16	33	21	39	17	3,658	20								
		Total		68	100	154	100	233	100	18,611	100								
10. During the current school year, to what extent have your courses challenged you to do your best work?																			
challenge		1	Not at all	1	1	0	0	1	0	183	1	5.0	5.3	-.18	5.4 *	-.33	5.4 *	-.30	
		2		0	0	3	2	2	1	246	1								
		3		8	12	9	6	8	3	904	5								
		4		13	19	25	16	33	14	2,152	12								
		5		21	31	54	35	76	32	6,172	33								
		6		13	19	37	24	69	29	4,892	26								
		7	Very much	11	16	27	17	45	19	4,032	22								
		Total		67	100	155	100	234	100	18,581	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		7	10	17	11	31	13	1,922	10	10%	9%	.04	11%	-.03	8%	.08	
		Do not plan to do		8	12	11	7	12	5	844	5								
		Plan to do		47	68	113	73	165	71	14,392	77								
		Done or in progress		7	10	14	9	26	11	1,465	8								
		Total		69	100	155	100	234	100	18,623	100								

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your first-year students compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ
b. Hold a formal leadership role in a student organization or group	leader	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	15	22	42	27	66	28	5,036	27	9%	5%	.14	9%	-.02	11%	-.07
			Do not plan to do	25	37	40	26	85	36	4,388	24							
			Plan to do	22	32	65	42	61	26	7,142	38							
			Done or in progress	6	9	8	5	22	9	2,033	11							
			Total	68	100	155	100	234	100	18,599	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	18	26	49	32	82	35	5,966	32	10%	11%	-.02	7%	.12	14%	-.11
			Do not plan to do	23	34	43	28	82	35	5,406	29							
			Plan to do	20	29	45	29	53	23	4,636	25							
			Done or in progress	7	10	17	11	16	7	2,567	14							
			Total	68	100	154	100	233	100	18,575	100							
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	14	21	41	26	71	31	5,402	29	4%	3%	.06	1%	.20	3%	.09
			Do not plan to do	30	44	53	34	108	47	6,194	33							
			Plan to do	21	31	56	36	50	22	6,476	35							
			Done or in progress	3	4	5	3	3	1	518	3							
			Total	68	100	155	100	232	100	18,590	100							
e. Work with a faculty member on a research project	research	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	19	28	62	40	91	39	7,070	38	3%	3%	.02	3%	-.01	5%	-.12
			Do not plan to do	18	26	26	17	53	23	3,085	17							
			Plan to do	30	43	63	41	82	35	7,486	40							
			Done or in progress	2	3	4	3	7	3	968	5							
			Total	69	100	155	100	233	100	18,609	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	17	25	41	27	67	29	4,948	27	1%	1%	.01	1%	.01	1%	.00
			Do not plan to do	13	19	9	6	24	10	1,454	8							
			Plan to do	38	55	101	66	140	60	11,928	64							
			Done or in progress	1	1	2	1	3	1	269	1							
			Total	69	100	153	100	234	100	18,599	100							

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

servcourse	1	None	43	63	68	44	134	57	10,127	55	1.4	1.7 ***	-0.45	1.5	-.15	1.5	-.20
	2	Some	22	32	62	40	85	36	7,008	38							
	3	Most	3	4	20	13	11	5	1,141	6							
	4	All	0	0	4	3	4	2	303	2							
	Total		68	100	154	100	234	100	18,579	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your first-year students compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	QIstudent	1	Poor	3	4	0	0	4	2	259	1	5.0	5.4	-.27	5.4 *	-.33	5.4 **	-.34	
		2		3	4	2	1	3	1	328	2								
		3		5	7	9	6	6	3	880	5								
		4		12	17	20	13	31	13	2,163	12								
		5		18	26	50	32	69	30	5,184	28								
		6		13	19	43	28	68	29	5,053	27								
		7	Excellent	15	22	28	18	52	22	4,555	24								
		—	Not applicable	0	0	2	1	0	0	204	1								
		Total		69	100	154	100	233	100	18,626	100								
b. Academic advisors	QIadvisor	1	Poor	2	3	7	5	6	3	503	3	5.5	5.3	.16	5.4	.04	5.3	.13	
		2		1	1	4	3	10	4	684	4								
		3		3	4	8	5	12	5	1,273	7								
		4		11	16	25	16	27	12	2,537	14								
		5		11	16	30	20	42	18	3,881	21								
		6		19	28	29	19	55	24	4,029	22								
		7	Excellent	22	32	45	29	75	32	5,235	28								
		—	Not applicable	0	0	5	3	6	3	468	3								
		Total		69	100	153	100	233	100	18,610	100								
c. Faculty	QIfaculty	1	Poor	2	3	1	1	3	1	265	1	5.1	5.3	-.15	5.5 *	-.28	5.3	-.13	
		2		2	3	1	1	1	0	420	2								
		3		3	4	13	8	9	4	1,082	6								
		4		15	22	22	14	37	16	2,615	14								
		5		16	23	42	27	48	21	5,032	27								
		6		17	25	38	25	76	33	4,993	27								
		7	Excellent	14	20	35	23	57	25	3,965	21								
		—	Not applicable	0	0	3	2	1	0	226	1								
		Total		69	100	155	100	232	100	18,598	100								

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your first-year students compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	4	6	3	2	3	1	509	3	5.0	5.2	-.15	5.4	-.26	5.2	-.12
		2		4	6	3	2	5	2	611	3							
		3		1	1	7	5	15	6	1,181	6							
		4		15	22	25	16	28	12	2,496	13							
		5		10	15	36	23	41	18	4,070	22							
		6		13	19	33	21	57	24	4,066	22							
		7	Excellent	16	24	29	19	54	23	3,851	21							
		—	Not applicable	5	7	19	12	30	13	1,826	10							
	Total	68	100	155	100	233	100	18,610	100									
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	9	13	5	3	2	1	536	3	4.4	5.2 ***	-.52	5.5 ***	-.69	5.1 **	-.48
		2		4	6	4	3	11	5	664	4							
		3		1	1	9	6	7	3	1,216	7							
		4		18	26	21	14	32	14	2,689	14							
		5		14	20	27	17	46	20	4,182	22							
		6		12	17	43	28	62	26	4,027	22							
		7	Excellent	8	12	31	20	64	27	3,769	20							
		—	Not applicable	3	4	15	10	10	4	1,529	8							
	Total	69	100	155	100	234	100	18,612	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	3	2	5	2	275	1	3.0	2.9	.05	3.0	.04	3.1	-.21
		2	Some	17	25	37	24	53	23	3,097	17							
		3	Quite a bit	34	51	79	51	122	52	9,049	49							
		4	Very much	16	24	35	23	53	23	6,184	33							
			Total	67	100	154	100	233	100	18,605	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	1	1	6	4	10	4	552	3	2.9	3.1	-.20	3.1	-.22	3.1	-.23
		2	Some	23	34	28	18	38	16	3,602	19							
		3	Quite a bit	26	38	72	46	110	47	8,190	44							
		4	Very much	18	26	49	32	76	32	6,246	34							
			Total	68	100	155	100	234	100	18,590	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	6	9	10	7	10	4	707	4	2.9	3.1	-.22	3.1	-.25	3.2 **	-.32
		2	Some	17	25	21	14	41	18	3,027	16							
		3	Quite a bit	23	34	66	43	94	40	7,433	40							
		4	Very much	22	32	56	37	88	38	7,420	40							
			Total	68	100	153	100	233	100	18,587	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your first-year students compared with						
				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	13	19	14	9	41	17	2,115	11	2.5	2.8	-.27	2.5	.06	2.7	-.17	
		2	Some	21	30	40	26	71	30	5,649	30								
		3	Quite a bit	20	29	64	42	92	39	6,488	35								
		4	Very much	15	22	36	23	31	13	4,321	23								
		Total		69	100	154	100	235	100	18,573	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	5	7	10	7	13	6	1,042	6	2.7	2.9	-.21	2.9	-.18	2.9	-.21	
		2	Some	23	34	31	20	58	25	4,530	24								
		3	Quite a bit	25	37	74	48	106	45	7,897	43								
		4	Very much	15	22	38	25	57	24	5,103	27								
		Total		68	100	153	100	234	100	18,572	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	3	4	12	8	15	6	1,188	6	2.9	2.8	.10	2.9	-.02	2.9	-.06	
		2	Some	21	30	42	27	56	24	4,550	25								
		3	Quite a bit	28	41	70	45	106	45	7,689	41								
		4	Very much	17	25	30	19	56	24	5,136	28								
		Total		69	100	154	100	233	100	18,563	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	15	22	34	22	48	21	4,191	23	2.1	2.3	-.23	2.3	-.21	2.3	-.17	
		2	Some	34	50	56	37	94	40	7,214	39								
		3	Quite a bit	15	22	41	27	64	27	4,951	27								
		4	Very much	4	6	22	14	28	12	2,192	12								
		Total		68	100	153	100	234	100	18,548	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	11	16	21	14	20	9	1,745	9	2.5	2.6	-.15	2.7	-.21	2.8 *	▽	
		2	Some	25	36	42	27	79	34	5,340	29								
		3	Quite a bit	22	32	64	42	92	40	7,284	39								
		4	Very much	11	16	26	17	41	18	4,201	23								
		Total		69	100	153	100	232	100	18,570	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	22	33	20	13	48	21	3,202	17	2.1	▽	2.5 **	-.43	2.3 *	-.31	2.4 **	▽
		2	Some	24	36	65	42	82	35	7,113	38								
		3	Quite a bit	16	24	47	31	77	33	5,702	31								
		4	Very much	5	7	21	14	26	11	2,543	14								
		Total		67	100	153	100	233	100	18,560	100								

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description				Frequency Distributions								Statistical Comparisons ^k									
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your first-year students compared with							
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ			
15. About how many hours do you spend in a typical 7-day week doing the following?																					
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)				tmpprephrs	0	0 hrs	1	1	2	1	1	0	75	0	14.5	14.7	-.02	13.5	.12	16.2	-.20
(studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)				(Recoded version of tmpprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	6	9	20	13	33	14	1,758	9							
				8	6-10 hrs	19	28	31	20	56	24	3,491	19								
				13	11-15 hrs	19	28	34	22	65	28	4,029	22								
				18	16-20 hrs	6	9	31	20	42	18	3,906	21								
				23	21-25 hrs	10	14	15	10	13	6	2,458	13								
				28	26-30 hrs	4	6	14	9	10	4	1,324	7								
				33	More than 30 hrs	4	6	6	4	13	6	1,536	8								
					Total	69	100	153	100	233	100	18,577	100								
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)				tmcocurrhrs	0	0 hrs	35	52	57	37	98	42	5,711	31	4.3	4.9	-.10	4.9	-.09	5.6	-.20
(organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)				(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	14	21	49	32	68	29	6,215	34							
				8	6-10 hrs	6	9	24	16	30	13	3,200	17								
				13	11-15 hrs	8	12	11	7	17	7	1,730	9								
				18	16-20 hrs	2	3	5	3	9	4	904	5								
				23	21-25 hrs	1	1	4	3	6	3	417	2								
				28	26-30 hrs	0	0	2	1	2	1	168	1								
				33	More than 30 hrs	1	1	1	1	4	2	200	1								
					Total	67	100	153	100	234	100	18,545	100								
c. Working for pay on campus				tmworkonhrs	0	0 hrs	57	83	122	80	189	81	14,548	78	2.5	2.3	.02	2.6	-.02	2.4	.01
Working for pay on campus				(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	2	3	4	3	8	3	801	4							
				8	6-10 hrs	1	1	14	9	12	5	1,289	7								
				13	11-15 hrs	4	6	6	4	7	3	967	5								
				18	16-20 hrs	3	4	4	3	10	4	650	4								
				23	21-25 hrs	1	1	1	1	4	2	208	1								
				28	26-30 hrs	1	1	1	1	2	1	50	0								
				33	More than 30 hrs	0	0	1	1	2	1	57	0								
					Total	69	100	153	100	234	100	18,570	100								

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description				Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your first-year students compared with					
				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	36	53	116	76	147	63	13,925	75	9.2	▲	4.5 **	.47	6.9	.21	4.2 ***	.57
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	1	5	3	10	4	659	4								
	8	6-10 hrs	4	6	1	1	8	3	766	4									
	13	11-15 hrs	6	9	7	5	11	5	812	4									
	18	16-20 hrs	8	12	8	5	24	10	862	5									
	23	21-25 hrs	3	4	9	6	11	5	540	3									
	28	26-30 hrs	6	9	1	1	7	3	311	2									
	33	More than 30 hrs	4	6	6	4	15	6	695	4									
	Total			68	100	153	100	233	100	18,570	100								
Estimated number of hours working for pay	tmworkhrs											11.5	▲	6.6 **	.45	9.5	.16	6.6 **	.47
	(Continuous variable created by NSSE)																		
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	40	59	102	67	144	62	12,037	65	2.7	▲	2.5	.04	2.2	.11	2.0	.15
	(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	17	25	29	19	69	29	4,725	25								
	8	6-10 hrs	5	7	12	8	10	4	897	5									
	13	11-15 hrs	4	6	5	3	3	1	429	2									
	18	16-20 hrs	1	1	1	1	3	1	235	1									
	23	21-25 hrs	1	1	2	1	2	1	143	1									
	28	26-30 hrs	0	0	0	0	3	1	41	0									
	33	More than 30 hrs	0	0	2	1	0	0	67	0									
	Total			68	100	153	100	234	100	18,574	100								
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	4	6	3	2	5	2	329	2	13.6	▲	12.0	.18	14.3	-.08	13.0	.07
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	9	13	37	24	33	14	3,398	18								
	8	6-10 hrs	14	21	36	24	65	28	4,908	26									
	13	11-15 hrs	16	24	35	23	40	17	3,947	21									
	18	16-20 hrs	10	15	23	15	37	16	2,772	15									
	23	21-25 hrs	7	10	4	3	18	8	1,283	7									
	28	26-30 hrs	2	3	3	2	12	5	548	3									
	33	More than 30 hrs	5	7	12	8	24	10	1,389	7									
	Total			67	100	153	100	234	100	18,574	100								

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description				Frequency Distributions								Statistical Comparisons ^k																							
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your first-year students compared with																					
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ																	
g. Providing care for dependents (children, parents, etc.) <i>(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)</i>				tmcarehrs	0	0 hrs	49	72	116	76	196	84	14,990	81	2.5	2.5	.01	1.7	.16	2.0	.09														
				3	1-5 hrs	9	13	19	12	16	7	1,540	8																						
				8	6-10 hrs	3	4	4	3	9	4	689	4																						
				13	11-15 hrs	4	6	6	4	4	2	489	3																						
				18	16-20 hrs	0	0	3	2	2	1	326	2																						
				23	21-25 hrs	3	4	0	0	1	0	152	1																						
				28	26-30 hrs	0	0	2	1	2	1	48	0																						
				33	More than 30 hrs	0	0	3	2	3	1	309	2																						
				Total		68	100	153	100	233	100	18,543	100																						
				h. Commuting to campus (driving, walking, etc.) <i>(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>				tmcommutehrs	0	0 hrs	10	14	78	51								72	31	7,994	43	6.6	4.3 *	.29	4.3 *	.34	3.8 **	.48			
3	1-5 hrs	31	45					45	29	114	49	6,590	35																						
8	6-10 hrs	16	23					13	8	26	11	2,281	12																						
13	11-15 hrs	4	6					6	4	6	3	853	5																						
18	16-20 hrs	4	6					1	1	7	3	372	2																						
23	21-25 hrs	2	3					1	1	1	0	201	1																						
28	26-30 hrs	1	1					0	0	1	0	74	0																						
33	More than 30 hrs	1	1					9	6	6	3	232	1																						
Total		69	100	153	100	233	100	18,597	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	17	25	20	13	50	21	3,752	20	2.2	2.5 *	-.34	2.3	-.06	2.3	-.11															
				2	Some	28	41	59	38	101	43	8,047	43																						
				3	About half	15	22	48	31	54	23	4,228	23																						
				4	Most	7	10	25	16	22	9	1,968	11																						
				5	Almost all	1	1	2	1	6	3	579	3																						
				Total		68	100	154	100	233	100	18,574	100																						
tmreadinghrs <i>(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)</i>				4.7																															
				6.1 *						-.27						5.0						-.06						5.7						-.21	

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your first-year students compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ
	tmreadinghrscol	1	0 hrs	1	1	2	1	1	0	74	0							
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	43	63	83	54	153	66	10,776	58							
		3	More than 5, up to 10 hrs	19	28	43	28	54	23	5,130	28							
		4	More than 10, up to 15 hrs	2	3	15	10	11	5	1,301	7							
		5	More than 15, up to 20 hrs	2	3	4	3	7	3	690	4							
		6	More than 20, up to 25 hrs	1	1	5	3	5	2	391	2							
		7	More than 25 hrs	0	0	1	1	1	0	146	1							
			Total	68	100	153	100	232	100	18,508	100							
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																		
a. Writing clearly and effectively	pgwrite	1	Very little	4	6	7	5	21	9	2,029	11	2.8	2.8	.05	2.7	.15	2.6	.23
		2	Some	20	29	48	31	72	31	6,135	33							
		3	Quite a bit	29	42	69	45	97	42	7,261	39							
		4	Very much	16	23	29	19	43	18	3,123	17							
			Total	69	100	153	100	233	100	18,548	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	12	17	19	12	40	17	2,860	15	2.5	2.7 *	-.29	2.5	-.06	2.5	-.03
		2	Some	25	36	36	24	67	29	6,603	36							
		3	Quite a bit	20	29	64	42	89	38	6,204	33							
		4	Very much	12	17	34	22	36	16	2,912	16							
			Total	69	100	153	100	232	100	18,579	100							
c. Thinking critically and analytically	pgthink	1	Very little	2	3	7	5	7	3	718	4	2.9	3.0	-.14	3.1	-.22	3.1	-.15
		2	Some	19	28	27	18	45	19	3,673	20							
		3	Quite a bit	30	43	72	47	98	42	8,126	44							
		4	Very much	18	26	48	31	83	36	6,061	33							
			Total	69	100	154	100	233	100	18,578	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	7	10	16	10	10	4	1,138	6	2.8	2.9	-.07	3.0	-.19	2.9	-.15
		2	Some	18	26	33	21	54	23	4,408	24							
		3	Quite a bit	25	36	58	38	100	43	7,392	40							
		4	Very much	19	28	47	31	68	29	5,640	30							
			Total	69	100	154	100	232	100	18,578	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your first-year students compared with				
				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	9	13	18	12	25	11	2,372	13	2.4	2.7 *	-.35	2.8 **	-.45	2.6 *	-.27
		2	Some	32	46	40	26	57	25	5,931	32							
		3	Quite a bit	21	30	68	44	90	39	6,503	35							
		4	Very much	7	10	28	18	60	26	3,775	20							
		Total		69	100	154	100	232	100	18,581	100							
f. Working effectively with others	pgothers	1	Very little	6	9	12	8	20	9	1,370	7	2.7	2.9	-.29	2.8	-.14	2.8	-.17
		2	Some	23	34	32	21	63	27	5,222	28							
		3	Quite a bit	27	40	67	44	95	41	7,585	41							
		4	Very much	12	18	43	28	53	23	4,387	24							
		Total		68	100	154	100	231	100	18,564	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	12	17	22	14	40	17	2,882	16	2.5	2.7	-.19	2.6	-.05	2.6	-.07
		2	Some	20	29	40	26	69	30	5,730	31							
		3	Quite a bit	27	39	57	37	77	33	6,400	34							
		4	Very much	10	14	36	23	46	20	3,563	19							
		Total		69	100	155	100	232	100	18,575	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	10	14	16	10	42	18	2,662	14	2.6	2.7	-.12	2.4	.15	2.6	.00
		2	Some	24	35	47	31	80	35	5,959	32							
		3	Quite a bit	19	28	57	37	71	31	6,274	34							
		4	Very much	16	23	34	22	37	16	3,669	20							
		Total		69	100	154	100	230	100	18,564	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	7	10	19	12	30	13	2,149	12	2.6	2.7	-.10	2.7	-.06	2.7	-.06
		2	Some	27	39	42	27	68	29	5,945	32							
		3	Quite a bit	23	33	60	39	85	37	6,602	36							
		4	Very much	13	19	33	21	48	21	3,890	21							
		Total		70	100	154	100	231	100	18,586	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	12	17	25	16	32	14	3,165	17	2.5	2.6	-.08	2.5	-.05	2.5	.03
		2	Some	24	34	45	29	79	34	6,669	36							
		3	Quite a bit	22	31	57	37	86	37	5,789	31							
		4	Very much	12	17	28	18	34	15	2,972	16							
		Total		70	100	155	100	231	100	18,595	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

First-Year Students^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your first-year students compared with					
				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	1	1	4	3	5	2	390	2	3.2	3.1	.15	3.2	-.01	3.2	.01	
		2	Fair	10	14	29	19	23	10	2,545	14								
		3	Good	34	49	77	49	130	56	9,269	50								
		4	Excellent	24	35	46	29	76	32	6,423	34								
		Total		69	100	156	100	234	100	18,627	100								
19. If you could start over again, would you go to the same institution you are now attending?																			
	sameinst	1	Definitely no	1	1	3	2	9	4	637	3	3.2	3.2	.07	3.2	-.05	3.2	-.01	
		2	Probably no	7	10	27	17	20	9	2,155	12								
		3	Probably yes	38	55	69	44	110	47	8,482	45								
		4	Definitely yes	23	33	57	37	95	41	7,418	40								
		Total		69	100	156	100	234	100	18,692	100								
20. Do you intend to return to this institution next year?^f																			
	returnexp		No	5	7	7	4	14	6	682	4	88%	82%	.18	85%	.10	89%	-.03	
			Yes	61	88	129	82	199	85	16,678	89								
			Not sure	3	4	21	13	21	9	1,315	7								
			Total	69	100	157	100	234	100	18,675	100								
			(Means indicate the percentage who responded "Yes.")																

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k													
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with												
				Count	%	Count	%	Count	%	Count	%		Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ						
1. During the current school year, about how often have you done the following?																									
a. Asked questions or contributed to course discussions in other ways	askquest	1 2 3 4	Never Sometimes Often Very often	3 35 38 26	3 34 37 25	2 26 47 40	2 23 41 35	11 89 116 124	3 26 34 36	1,013 8,003 7,371 6,415	4 35 32 28	2.9	3.1 *	-0.29	3.0	-0.21	2.8	.01							
Total				102	100	115	100	340	100	22,802	100														
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1 2 3 4	Never Sometimes Often Very often	22 38 24 18	22 37 24 18	21 49 25 20	18 43 22 17	56 130 98 56	16 38 29 16	6,069 8,587 5,351 2,786	27 38 23 12								2.4	2.4	-0.01	2.5	-0.08	2.2	.16
Total				102	100	115	100	340	100	22,793	100														
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1 2 3 4	Very often Often Sometimes Never	12 18 55 16	12 18 54 16	8 11 64 31	7 10 56 27	16 50 189 86	5 15 55 25	1,588 3,753 12,163 5,334	7 16 53 23														
Total				101	100	114	100	341	100	22,838	100														
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1 2 3 4	Never Sometimes Often Very often	69 25 4 4	68 25 4 4	57 40 13 5	50 35 11 4	205 94 27 15	60 28 8 4	11,190 8,345 2,301 979	49 37 10 4	1.4	1.7 *	-0.33	1.6	-0.16	1.7 **	-0.31							
Total				102	100	115	100	341	100	22,815	100														
e. Asked another student to help you understand course material	CLaskhelp	1 2 3 4	Never Sometimes Often Very often	6 29 33 33	6 29 33 33	9 53 35 18	8 46 30 16	33 137 95 76	10 40 28 22	2,218 7,707 7,548 5,393	10 34 33 24								2.9	2.5 **	.43	2.6 **	.31	2.7 *	.23
Total				101	100	115	100	341	100	22,866	100														
f. Explained course material to one or more students	CLexplain	1 2 3 4	Never Sometimes Often Very often	2 20 44 36	2 20 43 35	2 33 49 31	2 29 43 27	15 98 133 94	4 29 39 28	927 6,230 9,054 6,643	4 27 40 29														
Total				102	100	115	100	340	100	22,854	100														

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with						
				Count	%	Count	%	Count	%	Count	%		Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Mean
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	10	10	15	13	58	17	3,106	14	3.0	2.8	.21	2.6 ***	.38	2.7 **	.26	
		2	Sometimes	16	16	30	26	101	30	6,577	29								
		3	Often	41	40	34	30	101	30	6,738	30								
		4	Very often	35	34	35	31	81	24	6,419	28								
		Total		102	100	114	100	341	100	22,840	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	2	2	4	3	21	6	1,122	5	3.3	3.1	.26	3.0 ***	.41	3.1 *	.23	
		2	Sometimes	16	16	22	19	82	24	4,494	20								
		3	Often	32	31	47	41	129	38	7,903	35								
		4	Very often	52	51	42	37	109	32	9,335	41								
		Total		102	100	115	100	341	100	22,854	100								
i. Given a course presentation	present	1	Never	12	12	9	8	59	17	2,694	12	2.8	2.9	-.17	2.5 *	.24	2.6	.13	
		2	Sometimes	27	27	27	23	119	35	8,025	35								
		3	Often	36	36	44	38	93	27	7,127	31								
		4	Very often	26	26	35	30	70	21	5,001	22								
		Total		101	100	115	100	341	100	22,847	100								
2. During the current school year, about how often have you done the following?																			
a. Combined ideas from different courses when completing assignments	RIntegrate	1	Never	3	3	0	0	14	4	817	4	3.0	3.0	.01	2.9	.10	2.9	.12	
		2	Sometimes	27	27	33	29	94	28	6,713	29								
		3	Often	39	39	51	44	140	41	9,483	42								
		4	Very often	32	32	31	27	90	27	5,812	25								
		Total		101	100	115	100	338	100	22,825	100								
b. Connected your learning to societal problems or issues	RSocietal	1	Never	22	22	10	9	57	17	3,703	16	2.4	2.6	-.19	2.3	.11	2.3	.05	
		2	Sometimes	37	36	45	39	163	48	10,203	45								
		3	Often	24	24	43	38	82	24	6,224	27								
		4	Very often	19	19	16	14	37	11	2,685	12								
		Total		102	100	114	100	339	100	22,815	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	41	40	21	18	117	35	7,078	31	1.9	2.3 **	-.44	2.0	-.06	2.0	-.12	
		2	Sometimes	33	32	51	44	143	42	9,858	43								
		3	Often	24	24	30	26	52	15	4,173	18								
		4	Very often	4	4	13	11	27	8	1,711	7								
		Total		102	100	115	100	339	100	22,820	100								

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description				Variable name ^l				Frequency Distributions				Statistical Comparisons ^k												
								NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your seniors compared with						
								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	15	15	5	4	36	11	2,129	9	2.4	2.7 **	-.37	2.6	-.16	2.6	-.19
								2	Sometimes	37	36	39	34	124	37	8,326	36							
								3	Often	40	39	50	44	125	37	8,832	39							
								4	Very often	10	10	20	18	53	16	3,528	15							
								Total		102	100	114	100	338	100	22,815	100							
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective				RIperspect				1	Never	8	8	7	6	28	8	1,445	6	2.7	2.8	-.04	2.8	-.03	2.8	-.03
								2	Sometimes	30	29	34	30	89	26	7,110	31							
								3	Often	44	43	50	44	154	45	9,569	42							
								4	Very often	20	20	23	20	68	20	4,690	21							
								Total		102	100	114	100	339	100	22,814	100							
f. Learned something that changed the way you understand an issue or concept				RInewview				1	Never	6	6	2	2	10	3	840	4	2.7	2.8	-.11	2.8	-.09	2.8	-.09
								2	Sometimes	35	34	39	34	113	33	7,262	32							
								3	Often	40	39	49	43	147	43	9,863	43							
								4	Very often	21	21	24	21	70	21	4,836	21							
								Total		102	100	114	100	340	100	22,801	100							
g. Connected ideas from your courses to your prior experiences and knowledge				RIconnect				1	Never	5	5	0	0	2	1	409	2	3.0	3.0	.05	3.1	-.08	3.0	-.04
								2	Sometimes	22	22	26	23	70	21	4,785	21							
								3	Often	41	40	64	56	166	49	10,840	48							
								4	Very often	34	33	24	21	100	30	6,738	30							
								Total		102	100	114	100	338	100	22,772	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	14	14	17	15	65	19	4,983	22	2.5	2.4	.17	2.4	.12	2.3 *	.24
								2	Sometimes	39	39	59	51	130	38	9,452	41							
								3	Often	29	29	19	17	88	26	5,079	22							
								4	Very often	19	19	20	17	57	17	3,280	14							
								Total		101	100	115	100	340	100	22,794	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)				SFotherwork				1	Never	35	34	32	28	134	40	9,335	41	2.2	2.2	.01	2.0	.17	2.0	.21
								2	Sometimes	30	29	45	39	102	30	7,260	32							
								3	Often	21	21	25	22	71	21	3,780	17							
								4	Very often	16	16	13	11	32	9	2,408	11							
								Total		102	100	115	100	339	100	22,783	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	16	16	25	22	76	22	5,372	24	2.5	2.3	.21	2.3 *	.27	2.2 ***	.35
		2	Sometimes	33	32	43	38	136	40	9,832	43							
		3	Often	37	36	31	27	85	25	5,191	23							
		4	Very often	16	16	15	13	41	12	2,347	10							
		Total		102	100	114	100	338	100	22,742	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	17	17	15	13	72	21	6,068	27	2.4	2.3	.11	2.2	.21	2.1 **	.32
		2	Sometimes	45	44	62	54	156	46	10,367	46							
		3	Often	24	24	26	23	83	24	4,443	20							
		4	Very often	16	16	11	10	28	8	1,889	8							
		Total		102	100	114	100	339	100	22,767	100							
4. During the current school year, how much has your coursework emphasized the following?																		
a. Memorizing course material	memorize	1	Very little	9	9	11	10	21	6	2,095	9	2.7	2.5	.22	2.6	.19	2.6	.15
		2	Some	31	30	46	40	143	43	8,347	37							
		3	Quite a bit	39	38	42	37	125	37	8,528	37							
		4	Very much	23	23	16	14	47	14	3,823	17							
		Total		102	100	115	100	336	100	22,793	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	3	3	1	1	9	3	623	3	3.2	3.1	.11	3.1	.06	3.2	.01
		2	Some	15	15	23	20	63	19	3,697	16							
		3	Quite a bit	45	44	55	48	142	42	9,687	43							
		4	Very much	39	38	36	31	123	36	8,768	38							
		Total		102	100	115	100	337	100	22,775	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	3	3	2	2	19	6	1,062	5	3.0	3.0	.03	3.0	.00	3.0	.04
		2	Some	26	25	26	23	70	21	5,114	22							
		3	Quite a bit	38	37	56	49	132	39	9,364	41							
		4	Very much	35	34	31	27	118	35	7,207	32							
		Total		102	100	115	100	339	100	22,747	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	13	13	4	3	47	14	3,046	13	2.6	2.8	-.24	2.6	-.01	2.6	.03
		2	Some	32	31	40	35	107	32	7,989	35							
		3	Quite a bit	42	41	48	42	121	36	7,743	34							
		4	Very much	15	15	23	20	63	19	3,962	17							
		Total		102	100	115	100	338	100	22,740	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

				Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your seniors compared with					
														Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	9	9	2	2	24	7	1,579	7	2.7	2.9	-.19	2.8	-.06	2.8	-.04	
		2	Some	27	27	35	31	96	28	6,938	30								
		3	Quite a bit	45	45	50	44	143	42	9,304	41								
		4	Very much	19	19	27	24	75	22	4,932	22								
		Total		100	100	114	100	338	100	22,753	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	3	3	1	1	15	4	736	3	3.0	3.0	.08	3.1	.00	3.0	.05	
		2	Some	19	19	28	24	69	20	4,993	22								
		3	Quite a bit	50	49	57	50	138	41	10,442	46								
		4	Very much	30	29	29	25	117	35	6,589	29								
		Total		102	100	115	100	339	100	22,760	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	6	6	2	2	22	7	1,040	5	3.0	2.9	.10	3.0	.03	2.9	.09	
		2	Some	18	18	29	25	63	19	5,199	23								
		3	Quite a bit	47	46	59	51	150	44	10,593	47								
		4	Very much	31	30	25	22	103	30	5,918	26								
		Total		102	100	115	100	338	100	22,750	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	2	2	1	1	15	4	912	4	3.2	3.0 *	.28	3.1	.12	3.0 *	.21	
		2	Some	18	18	31	27	68	20	4,793	21								
		3	Quite a bit	39	39	51	45	124	37	9,842	43								
		4	Very much	42	42	31	27	131	39	7,188	32								
		Total		101	100	114	100	338	100	22,735	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	14	14	9	8	46	14	3,491	15	2.7	2.7	.01	2.6	.09	2.5 *	.24	
		2	Some	25	25	34	30	109	32	8,239	36								
		3	Quite a bit	38	37	53	46	105	31	7,129	31								
		4	Very much	25	25	19	17	79	23	3,892	17								
		Total		102	100	115	100	339	100	22,751	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	9	9	3	3	36	11	2,206	10	2.9	2.9	.08	2.7	.19	2.7 **	.30	
		2	Some	20	20	37	32	98	29	7,701	34								
		3	Quite a bit	43	42	48	42	122	36	8,548	38								
		4	Very much	30	29	26	23	82	24	4,279	19								
		Total		102	100	114	100	338	100	22,734	100								

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description				Frequency Distributions								Statistical Comparisons ^k									
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your seniors compared with							
				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	4	4	6	5	23	7	1,002	4	3.1	2.9 *	.27	2.9 *	.22	3.0	.14
					2	Sometimes	19	19	33	29	98	29	5,594	25							
					3	Often	43	42	47	41	112	33	9,155	40							
					4	Very often	36	35	29	25	105	31	6,954	31							
					Total		102	100	115	100	338	100	22,705	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)				QRproblem	1	Never	23	23	20	17	89	26	4,752	21	2.4	2.5	-.08	2.4	.04	2.4	.00
					2	Sometimes	33	32	38	33	109	32	7,706	34							
					3	Often	26	25	36	31	64	19	6,157	27							
					4	Very often	20	20	21	18	77	23	4,063	18							
					Total		102	100	115	100	339	100	22,678	100							
c. Evaluated what others have concluded from numerical information				QRevaluate	1	Never	16	16	14	12	44	13	3,029	13	2.5	2.6	-.07	2.5	.02	2.5	.00
					2	Sometimes	37	36	42	37	145	43	8,489	37							
					3	Often	29	28	37	32	85	25	7,465	33							
					4	Very often	20	20	22	19	65	19	3,677	16							
					Total		102	100	115	100	339	100	22,660	100							
7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)																					
a. Up to 5 pages				wrshortnum	0	None	14	14	4	4	43	13	2,450	11	5.9	7.1	-.19	6.2	-.04	6.4	-.08
					1.5	1-2	22	22	28	25	83	25	5,121	23							
				(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	4	3-5	30	30	29	25	88	26	6,326	28							
					8	6-10	18	18	28	25	59	17	4,276	19							
					13	11-15	8	8	11	10	28	8	2,002	9							
					18	16-20	2	2	8	7	15	4	981	4							
					23	More than 20	7	7	6	5	22	7	1,495	7							
					Total		101	100	114	100	338	100	22,651	100							
b. Between 6 and 10 pages				wrmednum	0	None	38	38	25	22	130	39	7,072	31	2.9	4.2	-.27	3.0	-.02	3.3	-.08
					1.5	1-2	30	30	39	34	99	30	7,143	32							
				(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	4	3-5	16	16	23	20	53	16	4,364	19							
					8	6-10	12	12	13	11	29	9	2,366	10							
					13	11-15	2	2	8	7	10	3	868	4							
					18	16-20	1	1	3	3	4	1	323	1							
					23	More than 20	2	2	3	3	9	3	461	2							
					Total		101	100	114	100	334	100	22,597	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

				Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your seniors compared with					
														Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
c. 11 pages or more	wrlongnum	0	None	44	43	47	41	199	59	10,823	48	2.5	3.2	-.13	1.8	.18	2.3	.05	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	33	32	35	30	92	27	6,713	30								
	4	3-5	15	15	13	11	18	5	2,554	11									
	8	6-10	4	4	9	8	9	3	1,296	6									
	13	11-15	2	2	5	4	12	4	649	3									
	18	16-20	0	0	2	2	3	1	232	1									
	23	More than 20	4	4	4	3	5	1	416	2									
	Total			102	100	115	100	338	100	22,683	100								
Estimated number of assigned pages of student writing.	wpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									79.4	100.6	-.18	69.1	.10	80.0	-.01	
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	6	6	5	4	33	10	1,470	6	3.1	3.0	.05	2.8 **	.30	3.0	.09	
		2	Sometimes	19	19	32	28	105	31	5,690	25								
		3	Often	36	36	31	27	98	29	6,740	30								
		4	Very often	40	40	47	41	103	30	8,800	39								
			Total	101	100	115	100	339	100	22,700	100								
b. People from an economic background other than your own	DDeconomic	1	Never	2	2	5	4	20	6	1,285	6	3.1	3.0	.21	2.9 **	.30	3.0	.16	
		2	Sometimes	19	19	34	30	103	30	5,365	24								
		3	Often	42	42	36	31	114	34	7,924	35								
		4	Very often	38	38	40	35	102	30	8,077	36								
			Total	101	100	115	100	339	100	22,651	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	6	6	5	4	27	8	1,633	7	3.0	3.0	.01	2.9	.12	3.0	.07	
		2	Sometimes	24	24	32	28	89	26	5,827	26								
		3	Often	34	33	34	30	110	33	7,116	31								
		4	Very often	38	37	43	38	111	33	8,085	36								
			Total	102	100	114	100	337	100	22,661	100								
d. People with political views other than your own	DDpolitical	1	Never	6	6	7	6	27	8	1,630	7	3.0	2.8	.22	2.8	.21	2.9	.14	
		2	Sometimes	22	22	42	37	102	30	6,485	29								
		3	Often	37	36	30	26	109	32	7,201	32								
		4	Very often	37	36	36	31	99	29	7,367	32								
			Total	102	100	115	100	337	100	22,683	100								

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your seniors compared with				
				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	6	6	2	2	18	5	1,289	6	2.8	2.9	-.13	2.9	-.13	2.8	-.03
		2	Sometimes	32	31	35	30	82	24	6,625	29							
		3	Often	41	40	50	43	153	45	9,569	42							
		4	Very often	23	23	28	24	86	25	5,197	23							
		Total		102	100	115	100	339	100	22,680	100							
b. Reviewed your notes after class	LSnotes	1	Never	9	9	8	7	28	8	2,076	9	2.7	2.7	.02	2.8	-.05	2.7	.03
		2	Sometimes	33	32	42	37	106	31	7,907	35							
		3	Often	36	35	40	35	115	34	7,318	32							
		4	Very often	24	24	25	22	89	26	5,388	24							
		Total		102	100	115	100	338	100	22,689	100							
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	7	7	7	6	28	8	2,410	11	2.7	2.7	.00	2.7	.04	2.6	.10
		2	Sometimes	35	35	42	37	114	34	8,084	36							
		3	Often	39	39	42	37	134	40	7,773	34							
		4	Very often	20	20	23	20	61	18	4,409	19							
		Total		101	100	114	100	337	100	22,676	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	3	3	1	1	3	1	324	1	5.4	5.2	.10	5.5	-.13	5.4	-.04
		2		2	2	3	3	6	2	503	2							
		3		7	7	11	10	13	4	1,236	5							
		4		12	12	15	13	43	13	2,579	11							
		5		27	26	37	32	78	23	6,549	29							
		6		22	22	20	18	112	33	5,817	26							
		7	Very much	29	28	27	24	83	25	5,635	25							
		Total		102	100	114	100	338	100	22,643	100							
11. Which of the following have you done or do you plan to do before you graduate?^o																		
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	7	7	8	7	32	9	1,591	7	53%	47%	.12	50%	.06	55%	-.03
			Do not plan to do	15	15	23	20	53	16	2,945	13							
			Plan to do	26	25	30	26	85	25	5,752	25							
			Done or in progress	54	53	54	47	168	50	12,405	55							
			Total	102	100	115	100	338	100	22,693	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ
b. Hold a formal leadership role in a student organization or group	leader	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	7	7	15	13	33	10	2,131	9	38%	32%	.13	30%	.17	41%	-.06
			Do not plan to do	40	39	49	43	174	51	9,337	41							
			Plan to do	16	16	14	12	29	9	1,901	8							
			Done or in progress	39	38	37	32	103	30	9,293	41							
			Total	102	100	115	100	339	100	22,662	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	12	12	17	15	47	14	2,790	12	26%	21%	.13	21%	.13	22%	.10
			Do not plan to do	44	43	60	53	194	58	12,732	56							
			Plan to do	19	19	13	11	25	7	2,119	9							
			Done or in progress	27	26	24	21	71	21	5,010	22							
			Total	102	100	114	100	337	100	22,651	100							
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	9	9	9	8	37	11	2,224	10	11%	20%	-.25	4% **	.29	13%	-.05
			Do not plan to do	68	67	68	61	267	79	16,128	71							
			Plan to do	13	13	13	12	23	7	1,481	7							
			Done or in progress	11	11	22	20	12	4	2,834	13							
			Total	101	100	112	100	339	100	22,667	100							
e. Work with a faculty member on a research project	research	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	13	13	16	14	54	16	3,342	15	27%	25%	.07	24%	.07	28%	-.02
			Do not plan to do	45	44	55	48	152	45	9,680	43							
			Plan to do	16	16	15	13	51	15	3,259	14							
			Done or in progress	28	27	28	25	82	24	6,394	28							
			Total	102	100	114	100	339	100	22,675	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	2	2	1	1	31	9	1,320	6	47%	67% **	-.40	44%	.06	54%	-.15
			Do not plan to do	16	16	10	9	48	14	2,246	10							
			Plan to do	36	35	27	23	111	33	6,777	30							
			Done or in progress	48	47	77	67	149	44	12,319	54							
			Total	102	100	115	100	339	100	22,662	100							

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

servcourse	1	2	3	4	Total	NSSEville State	Admissions Overlap	Carnegie UG Program	NSSE 2018 & 2019	Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ
1	None	46	46	48	43	174	51	12,256	54	1.7	1.8	-.14	1.6	.16	1.5 *	.21
2	Some	45	45	44	39	137	41	8,866	39							
3	Most	6	6	15	13	24	7	1,205	5							
4	All	4	4	5	4	3	1	326	1							
Total		101	100	112	100	338	100	22,653	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ
13. Indicate the quality of your interactions with the following people at your institution.																		
a. Students	QIstudent	1	Poor	0	0	1	1	3	1	279	1	5.9	▲ 5.5 *	.33	5.7	.17	▲ 5.6 **	.25
		2		0	0	4	3	5	1	374	2							
		3		5	5	6	5	15	4	892	4							
		4		9	9	8	7	22	6	2,314	10							
		5		15	15	38	33	82	24	5,787	25							
		6		34	33	25	22	108	32	6,383	28							
		7	Excellent	38	37	33	29	101	30	6,358	28							
		—	Not applicable	1	1	0	0	3	1	311	1							
		Total		102	100	115	100	339	100	22,698	100							
b. Academic advisors	QIadvisor	1	Poor	2	2	4	3	11	3	1,182	5	5.3	5.6	-.20	5.4	-.09	5.1	.10
		2		5	5	3	3	15	4	1,281	6							
		3		9	9	2	2	21	6	1,869	8							
		4		11	11	16	14	38	11	2,993	13							
		5		25	25	25	22	61	18	4,412	19							
		6		17	17	20	17	67	20	4,284	19							
		7	Excellent	30	30	45	39	119	35	6,358	28							
		—	Not applicable	2	2	0	0	5	1	309	1							
		Total		101	100	115	100	337	100	22,688	100							
c. Faculty	QIfaculty	1	Poor	1	1	2	2	7	2	463	2	5.7	5.4	.26	5.4	.21	▲ 5.2 ***	.36
		2		1	1	3	3	9	3	698	3							
		3		3	3	4	3	20	6	1,453	6							
		4		12	12	16	14	34	10	3,409	15							
		5		18	18	34	30	77	23	5,996	26							
		6		31	31	25	22	99	29	5,819	26							
		7	Excellent	34	34	30	26	89	26	4,707	21							
		—	Not applicable	1	1	1	1	3	1	146	1							
		Total		101	100	115	100	338	100	22,691	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	3	3	7	6	15	4	1,044	5	5.4	4.7 **	.43	5.1	.19	4.9 **	.31
		2		4	4	5	4	14	4	1,042	5							
		3		5	5	10	9	19	6	1,707	8							
		4		9	9	19	17	36	11	3,269	14							
		5		17	17	24	21	63	19	4,504	20							
		6		21	21	17	15	65	19	3,973	18							
		7	Excellent	28	27	16	14	65	19	3,778	17							
		—	Not applicable	15	15	17	15	62	18	3,370	15							
Total				102	100	115	100	339	100	22,687	100							
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	6	6	3	3	17	5	1,200	5	4.8	5.0	-.10	5.2 *	-.25	4.9	-.05
		2		8	8	9	8	12	4	1,136	5							
		3		5	5	8	7	17	5	1,812	8							
		4		12	12	18	16	41	12	3,558	16							
		5		29	28	23	20	67	20	4,938	22							
		6		15	15	25	22	87	26	4,329	19							
		7	Excellent	18	18	22	19	82	24	4,181	18							
		—	Not applicable	9	9	6	5	16	5	1,534	7							
Total				102	100	114	100	339	100	22,688	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	1	1	1	1	4	1	474	2	3.3	3.0 **	.37	3.1	.19	3.1	.15
		2	Some	14	14	30	26	62	18	3,944	17							
		3	Quite a bit	44	43	52	46	158	47	10,022	44							
		4	Very much	43	42	31	27	112	33	8,246	36							
		Total				102	100	114	100	336	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	4	4	3	3	20	6	1,391	6	3.0	2.8	.22	2.9	.10	2.8 *	.19
		2	Some	20	20	38	33	83	24	6,133	27							
		3	Quite a bit	49	48	49	43	139	41	9,724	43							
		4	Very much	29	28	25	22	97	29	5,412	24							
		Total				102	100	115	100	339	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	9	9	8	7	32	10	2,197	10	2.7	2.8	-.08	2.8	-.08	2.8	-.06
		2	Some	34	34	35	31	89	26	6,460	29							
		3	Quite a bit	36	36	44	39	136	40	8,627	38							
		4	Very much	22	22	26	23	79	24	5,363	24							
		Total				101	100	113	100	336	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	12	12	13	11	72	21	4,464	20	2.5	2.6	-.09	2.4	.20	2.4	.10
		2	Some	36	36	41	36	120	35	7,638	34							
		3	Quite a bit	39	39	37	32	101	30	6,622	29							
		4	Very much	14	14	24	21	46	14	3,905	17							
		Total		101	100	115	100	339	100	22,629	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	9	9	8	7	39	12	2,361	10	2.8	2.6	.15	2.6	.19	2.7	.08
		2	Some	28	27	45	40	112	33	6,798	30							
		3	Quite a bit	42	41	39	35	131	39	8,692	38							
		4	Very much	23	23	21	19	56	17	4,798	21							
		Total		102	100	113	100	338	100	22,649	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	8	8	12	11	45	13	3,059	14	2.7	2.5	.18	2.6	.12	2.6	.05
		2	Some	32	32	50	44	109	32	6,804	30							
		3	Quite a bit	44	44	31	27	129	38	8,249	36							
		4	Very much	16	16	20	18	54	16	4,511	20							
		Total		100	100	113	100	337	100	22,623	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	31	31	33	29	123	36	8,494	38	2.1	2.1	-.02	2.0	.16	2.0	.15
		2	Some	37	37	46	40	131	39	8,217	36							
		3	Quite a bit	24	24	22	19	58	17	4,130	18							
		4	Very much	9	9	13	11	26	8	1,787	8							
		Total		101	100	114	100	338	100	22,628	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	14	14	18	16	48	14	3,785	17	2.5	2.4	.10	2.5	.02	2.5	.01
		2	Some	37	36	47	41	121	36	7,646	34							
		3	Quite a bit	37	36	35	30	126	37	7,464	33							
		4	Very much	14	14	15	13	43	13	3,736	17							
		Total		102	100	115	100	338	100	22,631	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	25	25	16	14	98	29	5,912	26	2.2	2.4	-.25	2.1	.06	2.2	.02
		2	Some	40	40	48	42	127	38	9,065	40							
		3	Quite a bit	28	28	39	34	84	25	5,512	24							
		4	Very much	8	8	12	10	29	9	2,139	9							
		Total		101	100	115	100	338	100	22,628	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ
15. About how many hours do you spend in a typical 7-day week doing the following?																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	2	2	0	0	1	0	123	1	18.0	16.9	.12	16.7	.14	17.2	.09
	(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	6	6	14	12	35	10	2,201	10							
		8	6-10 hrs	15	15	24	21	63	19	4,128	18							
		13	11-15 hrs	23	23	19	17	55	16	4,153	18							
		18	16-20 hrs	20	20	17	15	78	23	4,252	19							
		23	21-25 hrs	7	7	14	12	37	11	2,972	13							
		28	26-30 hrs	12	12	12	10	37	11	1,802	8							
		33	More than 30 hrs	16	16	15	13	31	9	3,020	13							
	Total			101	100	115	100	337	100	22,651	100							
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	44	43	39	34	163	49	8,428	37	5.5	7.3	-.21	4.3	.17	5.4	.01
	(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	27	26	35	30	87	26	6,800	30							
		8	6-10 hrs	11	11	11	10	38	11	3,285	15							
		13	11-15 hrs	8	8	6	5	22	7	1,872	8							
		18	16-20 hrs	5	5	9	8	8	2	1,078	5							
		23	21-25 hrs	3	3	7	6	11	3	585	3							
		28	26-30 hrs	1	1	3	3	2	1	221	1							
		33	More than 30 hrs	3	3	5	4	4	1	353	2							
	Total			102	100	115	100	335	100	22,622	100							
c. Working for pay on campus	tmworkonhrs	0	0 hrs	70	69	75	65	229	68	14,753	65	5.0	4.8	.03	4.3	.08	4.3	.10
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	6	6	6	5	16	5	1,356	6							
		8	6-10 hrs	3	3	9	8	31	9	2,295	10							
		13	11-15 hrs	5	5	8	7	22	7	1,745	8							
		18	16-20 hrs	9	9	11	10	20	6	1,685	7							
		23	21-25 hrs	4	4	2	2	12	4	442	2							
		28	26-30 hrs	3	3	4	3	3	1	138	1							
		33	More than 30 hrs	2	2	0	0	5	1	239	1							
	Total			102	100	115	100	338	100	22,653	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	34	33	58	51	139	41	12,112	53	13.6	10.0 *	.29	12.7	.06	9.4 ***	.35
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	8	8	2	2	17	5	1,039	5							
	8	6-10 hrs	2	2	10	9	20	6	1,272	6								
	13	11-15 hrs	8	8	9	8	14	4	1,360	6								
	18	16-20 hrs	14	14	12	11	34	10	1,948	9								
	23	21-25 hrs	16	16	3	3	36	11	1,262	6								
	28	26-30 hrs	8	8	2	2	24	7	790	3								
	33	More than 30 hrs	12	12	18	16	55	16	2,868	13								
	Total			102	100	114	100	339	100	22,651	100							
Estimated number of hours working for pay	tmworkhrs											18.6	14.6 *	.30	17.0	.12	13.6 ***	.39
	(Continuous variable created by NSSE)																	
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	60	59	65	57	211	62	13,944	62	3.1	3.4	-.05	2.2	.17	2.2	.18
	(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	25	25	28	25	99	29	6,382	28							
	8	6-10 hrs	8	8	7	6	8	2	1,088	5								
	13	11-15 hrs	3	3	5	4	6	2	535	2								
	18	16-20 hrs	2	2	6	5	7	2	328	1								
	23	21-25 hrs	3	3	2	2	5	1	200	1								
	28	26-30 hrs	0	0	1	1	0	0	50	0								
	33	More than 30 hrs	1	1	0	0	2	1	126	1								
	Total			102	100	114	100	338	100	22,653	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	3	3	3	3	11	3	714	3	12.5	12.0	.06	10.9	.19	11.5	.11
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	18	18	23	20	84	25	5,255	23							
	8	6-10 hrs	28	28	36	32	98	29	6,297	28								
	13	11-15 hrs	20	20	19	17	54	16	4,475	20								
	18	16-20 hrs	17	17	17	15	55	16	2,885	13								
	23	21-25 hrs	6	6	7	6	20	6	1,193	5								
	28	26-30 hrs	4	4	1	1	4	1	528	2								
	33	More than 30 hrs	5	5	8	7	12	4	1,307	6								
	Total			101	100	114	100	338	100	22,654	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

				Frequency Distributions								Statistical Comparisons ^k							
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Your seniors compared with					
														Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	62	61	74	65	220	65	16,378	72	5.7	5.0	.08	6.1	-.04	4.1	.19	
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	11	11	13	11	25	7	2,088	9								
	8	6-10 hrs	7	7	2	2	20	6	977	4									
	13	11-15 hrs	8	8	7	6	11	3	668	3									
	18	16-20 hrs	2	2	9	8	14	4	624	3									
	23	21-25 hrs	3	3	3	3	12	4	339	1									
	28	26-30 hrs	2	2	2	2	4	1	183	1									
	33	More than 30 hrs	7	7	4	4	32	9	1,362	6									
	Total		102	100	114	100	338	100	22,619	100									
	h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	5	5	39	34	45	13	4,046								18
(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)		3	1-5 hrs	48	47	42	37	217	64	12,084	53								
8		6-10 hrs	30	29	14	12	47	14	3,961	17									
13		11-15 hrs	4	4	7	6	14	4	1,387	6									
18		16-20 hrs	3	3	7	6	6	2	530	2									
23		21-25 hrs	8	8	2	2	4	1	239	1									
28		26-30 hrs	1	1	1	1	1	0	98	0									
33		More than 30 hrs	3	3	2	2	3	1	333	1									
Total		102	100	114	100	337	100	22,678	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	37	37	22	19	76	22	6,934	31	2.1	2.4	-.25	2.3	-.19	2.2	-.05	
	2	Some	34	34	50	44	137	41	8,719	38									
	3	About half	17	17	26	23	87	26	4,242	19									
	4	Most	9	9	10	9	24	7	2,042	9									
	5	Almost all	4	4	6	5	14	4	719	3									
	Total		101	100	114	100	338	100	22,656	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)										5.9	6.5	-.09	5.9	.01	5.5	.07	

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean
	tmreadinghrscol	1	0 hrs	2	2	0	0	1	0	123	1							
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	59	59	65	57	190	57	13,749	61							
		3	More than 5, up to 10 hrs	22	22	24	21	99	29	5,626	25							
		4	More than 10, up to 15 hrs	7	7	14	12	23	7	1,407	6							
		5	More than 15, up to 20 hrs	5	5	3	3	11	3	894	4							
		6	More than 20, up to 25 hrs	4	4	7	6	4	1	535	2							
		7	More than 25 hrs	1	1	1	1	8	2	244	1							
			Total	100	100	114	100	336	100	22,578	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	6	4	4	31	9	2,375	10	3.0	3.0	-.05	2.8	.21	2.7 **	.27
		2	Some	20	20	24	21	98	29	6,740	30							
		3	Quite a bit	46	46	54	47	128	38	8,568	38							
		4	Very much	28	28	32	28	81	24	4,940	22							
			Total	100	100	114	100	338	100	22,623	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	9	9	6	5	44	13	2,678	12	2.9	3.0	-.09	2.7	.17	2.7 *	.21
		2	Some	22	22	29	25	87	26	6,813	30							
		3	Quite a bit	42	42	43	37	126	38	8,129	36							
		4	Very much	28	28	37	32	79	24	5,027	22							
			Total	101	100	115	100	336	100	22,647	100							
c. Thinking critically and analytically	pgthink	1	Very little	3	3	3	3	9	3	749	3	3.3	3.1	.23	3.3	.01	3.3	.05
		2	Some	10	10	23	20	50	15	3,057	13							
		3	Quite a bit	41	40	45	39	109	32	8,125	36							
		4	Very much	48	47	44	38	170	50	10,727	47							
			Total	102	100	115	100	338	100	22,658	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	4	4	6	5	9	3	776	3	3.3	3.1 *	.30	3.2	.11	3.3	.08
		2	Some	11	11	26	23	63	19	3,406	15							
		3	Quite a bit	34	33	37	32	104	31	7,423	33							
		4	Very much	53	52	46	40	163	48	11,071	49							
			Total	102	100	115	100	339	100	22,676	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	8	8	9	8	27	8	2,003	9	3.0	2.9	.16	3.1	-.04	2.9	.13
		2	Some	19	19	29	25	59	17	5,399	24							
		3	Quite a bit	35	34	42	37	109	32	7,602	34							
		4	Very much	40	39	35	30	144	42	7,662	34							
		Total		102	100	115	100	339	100	22,666	100							
f. Working effectively with others	pgothers	1	Very little	3	3	2	2	16	5	1,330	6	3.2	3.1	.14	3.0 *	.25	3.0 *	.24
		2	Some	15	15	23	20	88	26	5,069	22							
		3	Quite a bit	42	42	53	46	121	36	8,778	39							
		4	Very much	41	41	37	32	113	33	7,479	33							
		Total		101	100	115	100	338	100	22,656	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	18	18	6	5	73	22	3,666	16	2.6	2.9 *	-.34	2.5	.04	2.6	-.02
		2	Some	29	28	33	29	88	26	6,844	30							
		3	Quite a bit	33	32	42	37	99	29	7,117	31							
		4	Very much	22	22	34	30	78	23	5,032	22							
		Total		102	100	115	100	338	100	22,659	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	22	22	8	7	75	22	4,161	18	2.5	2.8 *	-.32	2.4	.09	2.5	-.02
		2	Some	29	28	38	33	119	35	7,492	33							
		3	Quite a bit	31	30	39	34	81	24	6,501	29							
		4	Very much	20	20	30	26	63	19	4,489	20							
		Total		102	100	115	100	338	100	22,643	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	8	8	6	5	31	9	2,067	9	3.0	2.9	.16	2.9	.09	2.9	.13
		2	Some	18	18	33	29	85	25	5,868	26							
		3	Quite a bit	43	42	48	42	109	32	7,698	34							
		4	Very much	33	32	28	24	114	34	7,030	31							
		Total		102	100	115	100	339	100	22,663	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	19	19	10	9	91	27	5,169	23	2.4	2.6	-.25	2.3	.14	2.3	.07
		2	Some	36	35	40	35	122	36	8,193	36							
		3	Quite a bit	33	32	44	39	72	21	5,729	25							
		4	Very much	14	14	19	17	55	16	3,571	16							
		Total		102	100	113	100	340	100	22,662	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Engineering

NSSEville State University

Seniors^a in Engineering

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k						
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Admissions Overlap	Effect size ⁿ	Carnegie UG Program	Effect size ⁿ	NSSE 2018 & 2019	Effect size ⁿ
18. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	1	1	3	3	12	4	915	4	3.2	3.0	.20	3.2	-.07	3.1	.07
		2	Fair	19	19	22	19	47	14	3,514	15							
		3	Good	44	44	61	53	137	40	10,669	47							
		4	Excellent	37	37	29	25	143	42	7,653	34							
		Total		101	100	115	100	339	100	22,751	100							
19. If you could start over again, would you go to the same institution you are now attending?																		
	sameinst	1	Definitely no	1	1	5	4	18	5	1,337	6	3.2	2.9 **	.37	3.2	-.04	3.1	.11
		2	Probably no	15	15	26	23	31	9	3,324	15							
		3	Probably yes	49	48	58	50	146	43	9,765	43							
		4	Definitely yes	37	36	26	23	146	43	8,345	37							
		Total		102	100	115	100	341	100	22,771	100							

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

			First-Year Students ^a								Seniors ^a							
			NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One	65	93	127	81	194	83	15,910	85	94	94	102	89	282	83	19,711	87
		More than one	5	7	30	19	39	17	2,785	15	6	6	13	11	58	17	3,055	13
		Total	70	100	157	100	233	100	18,695	100	100	100	115	100	340	100	22,766	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	1	1	1	0	75	0	0	0	0	0	0	0	75	0
		Biological Sci., Agriculture, & Natural Resources	0	0	0	0	0	0	72	0	0	0	0	0	2	1	63	0
		Physical Sci., Mathematics, & Computer Science	12	17	28	18	88	37	5,365	29	17	17	31	27	112	33	4,914	21
		Social Sciences	0	0	0	0	1	0	62	0	0	0	0	0	1	0	50	0
		Business	0	0	1	1	1	0	157	1	0	0	2	2	1	0	198	1
		Communications, Media, & Public Relations	0	0	0	0	0	0	12	0	0	0	0	0	1	0	20	0
		Education	0	0	0	0	0	0	10	0	0	0	0	0	0	0	15	0
		Engineering	48	69	104	67	122	52	11,927	63	68	67	67	58	171	50	15,261	67
		Health Professions	0	0	0	0	0	0	17	0	0	0	0	0	1	0	30	0
		Social Service Professions	0	0	3	2	0	0	27	0	0	0	0	0	0	0	30	0
		All Other	10	14	19	12	22	9	1,093	6	17	17	15	13	52	15	2,256	10
		Undecided, Undeclared	0	0	0	0	0	0	2	0	0	0	0	0	0	0	5	0
		Total	70	100	156	100	235	100	18,819	100	102	100	115	100	341	100	22,917	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	2	7	4	11	245	9	0	0	0	0	2	4	253	8
		Biological Sci., Agriculture, & Natural Resources	0	0	0	0	2	5	69	2	0	0	0	0	0	0	74	2
		Physical Sci., Mathematics, & Computer Science	2	40	13	43	14	37	924	33	2	33	6	46	13	23	891	29
		Social Sciences	0	0	0	0	1	3	105	4	0	0	0	0	1	2	108	4
		Business	2	40	6	20	5	13	215	8	0	0	1	8	2	4	206	7
		Communications, Media, & Public Relations	0	0	0	0	0	0	15	1	0	0	0	0	0	0	12	0
		Education	0	0	0	0	0	0	18	1	0	0	0	0	0	0	15	0
		Engineering	1	20	7	23	5	13	771	28	1	17	0	0	19	33	923	30
		Health Professions	0	0	0	0	0	0	34	1	0	0	0	0	2	4	30	1
		Social Service Professions	0	0	1	3	1	3	28	1	0	0	0	0	1	2	42	1
		All Other	0	0	1	3	5	13	244	9	2	33	3	23	15	26	394	13
		Undecided, Undeclared	0	0	0	0	1	3	107	4	1	17	3	23	2	4	90	3
		Total	5	100	30	100	38	100	2,775	100	6	100	13	100	57	100	3,038	100
22. What is your class level?	class	Freshman/First-year	45	65	139	91	191	83	16,691	90	0	0	0	0	2	1	79	0
		Sophomore	24	35	9	6	31	14	1,498	8	0	0	0	0	7	2	379	2
		Junior	0	0	2	1	5	2	234	1	20	20	5	4	55	16	2,953	13
		Senior	0	0	0	0	1	0	48	0	82	80	106	92	272	80	18,809	83
		Unclassified	0	0	2	1	1	0	84	0	0	0	4	3	2	1	435	2
		Total	69	100	152	100	229	100	18,555	100	102	100	115	100	338	100	22,655	100

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

			First-Year Students ^a								Seniors ^a							
			NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
23. Thinking about this current academic term, are you a full-time student?	fulltime	No	5	7	3	2	10	4	537	3	40	40	12	11	65	19	3,889	17
		Yes	64	93	149	98	219	96	17,955	97	61	60	102	89	271	81	18,680	83
		Total	69	100	152	100	229	100	18,492	100	101	100	114	100	336	100	22,569	100
24a. How many courses are you taking for credit this current academic term?	coursenum	0	1	1	0	0	0	0	61	0	0	0	1	1	1	0	474	2
		1	0	0	2	1	1	0	110	1	7	7	3	3	14	4	667	3
		2	0	0	3	2	6	3	260	1	16	16	11	10	33	10	1,508	7
		3	4	6	3	2	8	3	651	4	22	22	2	2	19	6	2,303	10
		4	14	20	16	11	45	20	5,071	27	30	29	29	25	87	26	6,590	29
		5	32	46	73	48	96	42	7,328	39	17	17	42	37	77	23	6,471	29
		6	9	13	36	24	37	16	3,124	17	1	1	17	15	54	16	2,726	12
		7 or more	9	13	19	13	37	16	1,972	11	9	9	10	9	52	15	1,936	9
		Total	69	100	152	100	230	100	18,577	100	102	100	115	100	337	100	22,675	100
b. Of these, how many are entirely online?	onlinenum	0	46	68	107	70	186	81	15,653	85	73	72	84	73	258	77	16,872	75
		1	12	18	38	25	27	12	1,795	10	18	18	13	11	44	13	3,243	14
		2	5	7	5	3	10	4	454	2	4	4	11	10	18	5	1,203	5
		3	3	4	2	1	4	2	175	1	3	3	4	3	3	1	540	2
		4	2	3	0	0	1	0	208	1	2	2	1	1	7	2	369	2
		5	0	0	0	0	0	0	51	0	0	0	1	1	1	0	117	1
		6	0	0	0	0	1	0	55	0	0	0	0	0	4	1	99	0
		7 or more	0	0	0	0	1	0	88	0	1	1	1	1	2	1	145	1
		Total	68	100	152	100	230	100	18,479	100	101	100	115	100	337	100	22,588	100
Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum.)	onlinecscol	No courses taken online	46	68	107	70	186	81	15,653	85	73	72	84	73	258	77	16,872	75
		Some courses taken online	20	29	38	25	40	17	2,189	12	25	25	20	17	55	16	4,067	18
		All courses taken online	2	3	7	5	4	2	637	3	3	3	11	10	24	7	1,649	7
		Total	68	100	152	100	230	100	18,479	100	101	100	115	100	337	100	22,588	100
25. What have most of your grades been up to now at this institution?	grades	C- or lower	2	3	1	1	6	3	312	2	1	1	0	0	1	0	105	0
		C	2	3	10	7	6	3	445	2	6	6	1	1	6	2	559	2
		C+	6	9	6	4	12	5	712	4	5	5	2	2	13	4	1,095	5
		B-	8	12	13	9	15	7	1,125	6	8	8	6	5	19	6	1,804	8
		B	12	18	27	18	37	16	3,221	17	34	33	16	14	72	21	4,491	20
		B+	12	18	29	19	47	20	3,319	18	17	17	21	18	69	20	4,039	18
		A-	12	18	27	18	41	18	3,755	20	11	11	30	26	51	15	4,118	18
		A	14	21	39	26	66	29	5,646	30	20	20	39	34	106	31	6,409	28
		Total	68	100	152	100	230	100	18,535	100	102	100	115	100	337	100	22,620	100
26. Did you begin college at this institution or elsewhere?	begincol	Started here	60	90	139	91	207	90	17,070	92	47	47	72	64	163	49	13,573	60
		Started elsewhere	7	10	13	9	23	10	1,428	8	54	53	41	36	171	51	9,022	40
		Total	67	100	152	100	230	100	18,498	100	101	100	113	100	334	100	22,595	100

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

			First-Year Students ^a								Seniors ^a							
			NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
27. 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	0	0	3	2	12	5	544	3	5	5	7	6	45	13	1,474	7
	attend_com	Community or junior college	7	10	14	9	13	6	1,552	8	50	50	23	20	111	33	8,371	37
	attend_col	4-year college or university other than this one	5	7	14	9	23	10	1,410	8	32	32	22	19	133	40	5,523	25
	attend_none	None	54	79	114	75	183	80	14,741	80	34	34	61	53	113	34	10,220	45
	attend_other	Other	2	3	10	7	5	2	628	3	3	3	10	9	14	4	931	4
28. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree	3	4	9	6	15	7	1,042	6	10	10	5	4	31	9	1,437	6
		Bachelor's degree (B.A., B.S., etc.)	35	52	57	38	125	55	7,530	41	41	40	46	41	184	55	9,328	41
		Master's degree (M.A., M.S., etc.)	23	34	68	45	65	29	7,393	40	37	36	49	43	89	26	8,930	40
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	6	9	16	11	23	10	2,500	14	14	14	13	12	32	10	2,904	13
		Total	67	100	150	100	228	100	18,465	100	102	100	113	100	336	100	22,599	100
29. What is the highest level of education completed by either of your parents (or those who raised you)?	parented	Did not finish high school	7	10	7	5	2	1	879	5	6	6	3	3	12	4	1,066	5
		High school diploma or G.E.D.	11	16	25	17	31	14	2,578	14	21	21	27	24	53	16	3,266	14
		Attended college, but did not complete degree	6	9	10	7	34	15	1,530	8	11	11	12	11	40	12	1,854	8
		Associate's degree (A.A., A.S., etc.)	5	7	14	9	17	7	1,379	7	6	6	12	11	41	12	1,967	9
		Bachelor's degree (B.A., B.S., etc.)	24	36	50	34	93	41	6,019	33	30	29	39	34	106	32	7,454	33
		Master's degree (M.A., M.S., etc.)	12	18	32	21	42	18	4,457	24	20	20	13	11	67	20	4,910	22
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	2	3	11	7	9	4	1,597	9	8	8	8	7	14	4	2,017	9
		Total	67	100	149	100	228	100	18,439	100	102	100	114	100	333	100	22,534	100
First-generation status (Neither parent holds a bachelor's degree.)	firstgen (Recoded from parented.)	Not first-generation	38	57	93	62	144	63	12,073	65	58	57	60	53	187	56	14,381	64
		First-generation	29	43	56	38	84	37	6,366	35	44	43	54	47	146	44	8,153	36
		Total	67	100	149	100	228	100	18,439	100	102	100	114	100	333	100	22,534	100
30. What is your gender identity?	genderid	Man	49	72	112	74	178	78	12,399	67	74	73	74	65	255	76	15,532	69
		Woman	18	26	36	24	45	20	5,608	30	23	23	34	30	67	20	6,232	28
		Another gender identity	1	1	0	0	4	2	186	1	2	2	2	2	2	1	295	1
		I prefer not to respond	0	0	3	2	1	0	270	1	3	3	3	3	10	3	502	2
		Total	68	100	151	100	228	100	18,463	100	102	100	113	100	334	100	22,561	100
31. Enter your year of birth (e.g., 1994):	agecat (Recoded from the information entered in birthyear.)	19 or younger	58	87	132	87	188	83	16,432	89	1	1	2	2	2	1	163	1
		20-23	8	12	14	9	29	13	1,191	6	54	53	85	77	154	47	14,711	66
		24-29	1	1	1	1	9	4	310	2	33	33	9	8	78	24	4,222	19
		30-39	0	0	3	2	0	0	260	1	10	10	7	6	62	19	2,159	10
		40-55	0	0	1	1	1	0	155	1	3	3	4	4	31	9	978	4
		Over 55	0	0	0	0	0	0	24	0	0	0	3	3	1	0	112	1
		Total	67	100	151	100	227	100	18,372	100	101	100	110	100	328	100	22,345	100

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

			First-Year Students ^a								Seniors ^a								
			NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
32a. Are you an international student?	internat	No	63	93	132	87	218	95	17,023	92	97	96	89	77	312	94	21,010	93	
		Yes	5	7	19	13	11	5	1,387	8	4	4	26	23	21	6	1,495	7	
		Total	68	100	151	100	229	100	18,410	100	101	100	115	100	333	100	22,505	100	
	[If answered "yes"] Country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file.	countrycol <i>(Recoded from country.)</i>	Africa Sub-Saharan	0	0	4	24	3	30	134	11	0	0	0	0	1	5	102	8
			Asia	1	100	6	35	2	20	666	53	1	33	14	58	4	21	592	45
			Canada	0	0	0	0	1	10	21	2	0	0	0	0	1	5	40	3
			Europe	0	0	2	12	0	0	113	9	0	0	1	4	1	5	90	7
			Latin America and Caribbean	0	0	3	18	1	10	155	12	1	33	2	8	2	11	179	14
			Middle East and North Africa	0	0	2	12	3	30	154	12	1	33	7	29	10	53	308	23
			Oceania	0	0	0	0	0	0	6	0	0	0	0	0	0	0	3	0
Unknown region/uncoded			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	100	17	100	10	100	1,249	100	3	100	24	100	19	100	1,314	100			
33. How would you describe yourself? (Select all that apply.)	re_amind re_asian re_black re_latino re_mena re_pacific re_white re_another re_other re_pnr	American Indian or Alaska Native	1	1	1	1	5	2	353	2	2	2	0	0	8	2	366	2	
		Asian	9	13	13	9	10	4	2,746	15	11	11	26	23	21	6	2,831	13	
		Black or African American	13	19	24	16	23	10	1,713	9	8	8	11	10	15	4	1,518	7	
		Hispanic or Latina/o	9	13	24	16	19	8	2,681	15	9	9	12	11	32	10	2,633	12	
		Middle Eastern or N. African (2019)	2	3	3	3	1	1	197	2	2	2	2	3	2	2	337	2	
		Native Hawaiian/Other Pac. Islander	3	4	0	0	4	2	214	1	2	2	0	0	3	1	218	1	
		White	42	62	93	62	179	79	11,649	64	68	67	66	58	262	78	15,093	67	
		Another race or ethnicity (2019)	1	1	2	2	0	0	150	1	1	1	1	2	2	2	218	2	
		Other (2018)	0	0	2	4	4	3	233	3	0	0	0	0	7	3	287	3	
		I prefer not to respond	2	3	5	3	6	3	575	3	6	6	4	4	19	6	1,029	5	
	Racial or ethnic identification	re_all19 <i>(Items re_amind to re_pnr recoded where each student is represented only once)</i>	American Indian or Alaska Native	0	0	0	0	2	1	76	0	0	0	0	0	1	0	70	0
			Asian	7	10	8	5	7	3	2,188	12	10	10	26	23	13	4	2,286	10
			Black or African American	10	15	19	13	19	8	1,351	7	6	6	8	7	9	3	1,217	5
			Hispanic or Latina/o	4	6	18	12	9	4	1,803	10	7	7	6	5	20	6	1,846	8
			Middle Eastern or N. African (2019)	1	1	1	1	1	0	126	1	2	2	2	2	2	1	230	1
			Native Hawaiian/Other Pac. Islander	0	0	0	0	0	0	47	0	0	0	0	0	1	0	51	0
			White	36	53	79	53	165	72	10,103	55	62	61	60	53	238	71	13,640	61
			Another race or ethnicity (2019)	0	0	1	1	0	0	68	0	0	0	0	0	1	0	122	1
			Other (2018)	0	0	1	1	3	1	134	1	0	0	0	0	5	1	193	1
			Multiracial	8	12	17	11	16	7	1,864	10	8	8	8	7	26	8	1,732	8
I prefer not to respond	2	3	5	3	6	3	575	3	6	6	4	4	19	6	1,029	5			
Total	68	100	149	100	228	100	18,335	100	101	100	114	100	335	100	22,416	100			
34. Are you a member of a social fraternity or sorority?	greek	No	62	93	146	98	219	96	16,964	92	92	91	102	89	323	96	19,919	88	
		Yes	5	7	3	2	10	4	1,452	8	9	9	13	11	12	4	2,606	12	
		Total	67	100	149	100	229	100	18,416	100	101	100	115	100	335	100	22,525	100	

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

			First-Year Students ^a								Seniors ^a								
Item wording or description	Variable name	Response options	NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
35. Which of the following best describes where you are living while attending college?	living18	Campus housing (other than a fraternity or sorority house)	26	39	93	61	125	55	12,220	67	12	12	39	34	27	8	3,356	15	
		Fraternity or sorority house	0	0	0	0	0	0	160	1	0	0	1	1	1	0	430	2	
		House, apartment, or other residence within walking distance to campus	4	6	12	8	26	11	1,217	7	8	8	23	20	95	29	6,299	28	
		House, apartment, or other residence farther than walk. dist. to campus	37	55	42	28	72	32	4,279	23	82	80	41	36	190	57	11,137	50	
		Not applicable: No campus, entirely online program, etc.	0	0	5	3	2	1	444	2	0	0	10	9	18	5	1,128	5	
		Not applicable: Homeless or in transition	0	0	0	0	2	1	36	0	0	0	0	0	0	1	0	91	0
		Total	67	100	152	100	227	100	18,356	100	102	100	114	100	332	100	22,441	100	
36. Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	67	99	133	88	200	87	17,031	93	101	99	103	90	321	96	21,483	96	
		Yes	1	1	18	12	29	13	1,363	7	1	1	12	10	14	4	981	4	
		Total	68	100	151	100	229	100	18,394	100	102	100	115	100	335	100	22,464	100	
37. Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No	64	96	148	99	225	99	17,945	98	94	92	101	89	301	90	20,801	93	
		Yes	3	4	2	1	3	1	420	2	8	8	13	11	33	10	1,657	7	
		Total	67	100	150	100	228	100	18,365	100	102	100	114	100	334	100	22,458	100	
38a. Have you been diagnosed with any disability or impairment?	disability	No	57	84	127	85	186	82	15,763	86	87	85	106	93	274	82	19,057	85	
		Yes	11	16	19	13	27	12	1,941	11	13	13	5	4	48	14	2,585	11	
		I prefer not to respond	0	0	4	3	15	7	694	4	2	2	3	3	13	4	863	4	
		Total	68	100	150	100	228	100	18,398	100	102	100	114	100	335	100	22,505	100	
b. [If answered "yes"] Which of the following has been diagnosed? (Select all that apply.)	dis_sense dis_mobility dis_learning dis_mental dis_other	A sensory impairment (vision or hearing)	1	9	2	11	7	26	362	19	3	23	1	20	5	10	374	15	
		A mobility impairment	1	9	1	5	1	4	124	6	2	15	0	0	5	10	246	10	
		A learning disability (e.g., ADHD, dyslexia)	7	64	15	79	11	41	913	47	9	69	4	80	20	42	1,161	45	
		A mental health disorder	3	27	4	21	9	33	688	36	3	23	2	40	20	42	1,040	40	
		A disability or impairment not listed above	1	9	4	21	6	22	352	18	2	15	0	0	15	31	511	20	
		Disability or impairment	disability_all (Items dis_sense to dis_other recoded where each student is represented only once.)	1	1	1	1	4	2	237	1	1	1	0	0	1	0	209	1
		1	1	0	0	1	0	61	0	1	1	0	0	0	0	101	0		
		5	7	10	7	7	3	609	3	7	7	3	3	12	4	757	3		
		1	1	0	0	4	2	393	2	2	2	1	1	8	2	585	3		
		1	1	3	2	4	2	217	1	0	0	0	0	14	4	308	1		
		2	3	5	3	7	3	415	2	2	2	1	1	13	4	609	3		
		57	84	127	85	186	82	15,763	86	87	85	106	93	274	82	19,057	85		
		0	0	4	3	15	7	694	4	2	2	3	3	13	4	863	4		
	Total	68	100	150	100	228	100	18,389	100	102	100	114	100	335	100	22,489	100		

NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Engineering

NSSEville State University

Engineering

Item wording or description	Variable name	Response options	First-Year Students ^a								Seniors ^a							
			NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2018 & 2019	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
39. Which of the following best describes your sexual orientation?	sexorient17	Straight (heterosexual)	59	88	124	82	205	90	15,694	85	94	92	100	88	293	87	19,231	85
		Bisexual	3	4	12	8	6	3	951	5	3	3	2	2	12	4	895	4
		Gay	1	1	1	1	5	2	257	1	1	1	1	1	3	1	371	2
		Lesbian	0	0	1	1	1	0	147	1	2	2	1	1	3	1	161	1
		Queer	0	0	0	0	0	0	89	0	0	0	2	2	1	0	107	0
		Questioning or unsure	3	4	2	1	1	0	261	1	0	0	1	1	2	1	174	1
		Another sexual orientation	1	1	4	3	6	3	237	1	0	0	2	2	4	1	344	2
		I prefer not to respond	0	0	8	5	4	2	791	4	2	2	4	4	17	5	1,232	5
Total			67	100	152	100	228	100	18,427	100	102	100	113	100	335	100	22,515	100





Institution-reported information (Variables provided by your institution in your NSSE population file.)

Institution-reported: Sex	IRsex19	Female	19	27	38	24	45	19	5,843	31	25	25	33	29	72	21	6,477	28
		Male	51	73	119	76	190	81	12,965	69	77	75	82	71	269	79	16,432	72
		Another	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
		Unknown	0	0	0	0	0	0	14	0	0	0	0	0	0	0	11	0
		Total			70	100	157	100	235	100	18,823	100	102	100	115	100	341	100
Institution-reported: Race or ethnicity	IRrace	American Indian or Alaska Native	0	0	0	0	1	0	64	0	0	0	0	0	2	1	88	0
		Asian	6	9	7	4	5	2	1,438	9	9	9	8	7	10	3	1,613	8
		Black or African American	7	10	21	13	11	5	1,148	7	7	7	7	6	5	2	1,034	5
		Hispanic or Latino	9	13	21	13	12	5	2,192	13	10	10	10	9	23	7	2,279	11
		Native Hawaiian/Other Pac. Islander	1	1	0	0	0	0	90	1	0	0	0	0	0	0	79	0
		White	41	59	80	51	166	75	9,390	56	69	68	58	50	252	77	12,835	62
		Other	0	0	0	0	0	0	6	0	0	0	0	0	0	0	11	0
		Foreign or nonresident	3	4	18	11	10	5	1,171	7	3	3	25	22	17	5	1,287	6
		Two or more races/ethnicities	3	4	5	3	7	3	684	4	4	4	3	3	7	2	692	3
Total			70	100	157	100	222	100	16,773	100	102	100	115	100	327	100	20,673	100
Institution-reported: Class level	IRclass	Freshman/First-Year	70	100	157	100	235	100	18,824	100	0	0	0	0	0	0	0	0
		Sophomore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Junior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Senior	0	0	0	0	0	0	0	0	102	100	115	100	341	100	22,920	100
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total			70	100	157	100	235	100	18,824	100	102	100	115	100	341	100
Institution-reported: First-time first-year (FTFY) student	IRftfy	Not first-time first-year	10	14	16	10	44	19	1,824	10	102	100	115	100	341	100	22,662	99
		First-time first-year	60	86	141	90	191	81	16,999	90	0	0	0	0	0	0	258	1
		Total			70	100	157	100	235	100	102	100	115	100	341	100	22,920	100
Institution-reported: Enrollment status	IREnrollment	Not full-time	2	3	6	4	9	4	571	3	41	40	17	15	64	19	3,409	15
		Full-time	68	97	151	96	226	96	18,253	97	61	60	98	85	277	81	19,511	85
		Total			70	100	157	100	235	100	102	100	115	100	341	100	22,920	100

Endnotes

- a. All results are unweighted.
- b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.
- c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean $\pm 1.96 * SEM$.
- d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.
- e. Degrees of freedom used to compute the t -tests. Values differ from N s 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.

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

Reference: Rocconi, L.M., & Gonyea, R.M. (2018). Contextualizing effect sizes in the National Survey of Student Engagement: An empirical analysis. *Research & Practice in Assessment*, 13 (Summer/Fall), pp. 22-38.