
Fitchburg State University

NSSE 2017 Major Field Report, Part II

Comparisons to Other Institutions

Health & Natural Sci

*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 'Health & Natural Sci' includes the following majors: Biology (general); Biomedical science; Chemistry; Healthcare administration and policy; Kinesiology; Mathematics; Other biological sciences; Parks, recreation, leisure studies, sports mgmt.; Psychology.

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: Health & Natural Sci.

NSSE results included in MFR, Part II

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

Related-Major Groups

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

Sample

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

Class

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

Technical Requirements

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

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

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

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

Overview of Engagement Indicators: Health & Natural Sci

Fitchburg State University

Engagement Indicators: Overview

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

Use the following key:

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

Theme	Engagement Indicator	First-Year Students in Health & Natural Sci			Seniors in Health & Natural Sci		
		Your first-year students compared with New England Public	Your first-year students compared with Nat. Public Masters	Your first-year students compared with All Nat. Public	Your seniors compared with New England Public	Your seniors compared with Nat. Public Masters	Your seniors compared with All Nat. Public
Academic Challenge	Higher-Order Learning				--	--	--
	Reflective & Integrative Learning				--	--	--
	Learning Strategies				--	--	--
	Quantitative Reasoning				▼	▼	▼
Learning with Peers	Collaborative Learning				--	--	--
	Discussions with Diverse Others				--	--	--
Experiences with Faculty	Student-Faculty Interaction				--	--	--
	Effective Teaching Practices				--	--	--
Campus Environment	Quality of Interactions				--	--	--
	Supportive Environment				--	--	--

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

Engagement Indicators: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

	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												
Fitchburg State (N = 38)	36.2	12.3	1.99	15	25	40	45	60				
New England Public	38.8	13.6	.69	15	30	40	50	60	427	-2.6		-.195
Nat. Public Masters	40.3	13.6	.14	20	30	40	50	60	9,018	-4.1		-.301
All Nat. Public	39.6	13.6	.08	20	30	40	50	60	30,878	-3.4		-.251
Reflective & Integrative Learning												
Fitchburg State (N = 38)	35.0	11.7	1.90	11	29	37	43	57				
New England Public	36.4	12.2	.61	17	29	37	46	57	430	-1.4		-.114
Nat. Public Masters	38.1	12.2	.13	20	29	37	46	60	9,109	-3.2		-.260
All Nat. Public	37.7	12.2	.07	17	29	37	46	60	31,199	-2.7		-.224
Learning Strategies												
Fitchburg State (N = 38)	35.4	12.0	1.95	13	27	33	40	60				
New England Public	40.0	14.5	.73	13	27	40	53	60	427	-4.5		-.317
Nat. Public Masters	39.6	14.1	.15	13	27	40	53	60	9,031	-4.2		-.299
All Nat. Public	39.4	14.1	.08	20	27	40	53	60	30,942	-4.0		-.284
Quantitative Reasoning												
Fitchburg State (N = 38)	23.9	15.2	2.47	0	13	20	40	53				
New England Public	29.1	15.7	.80	7	20	27	40	60	423	-5.3	*	-.337
Nat. Public Masters	31.3	15.9	.17	7	20	33	40	60	9,036	-7.4	**	-.466
All Nat. Public	31.1	15.8	.09	7	20	33	40	60	30,911	-7.3	**	-.460
Learning with Peers												
Collaborative Learning												
Fitchburg State (N = 38)	32.6	13.5	2.20	5	25	35	40	55				
New England Public	31.0	12.8	.65	15	20	30	40	55	424	1.6		.124
Nat. Public Masters	34.2	14.1	.15	10	25	35	45	60	9,040	-1.6		-.113
All Nat. Public	33.5	14.3	.08	10	25	35	45	60	30,962	-.9		-.060
Discussions with Diverse Others												
Fitchburg State (N = 37)	37.2	17.1	2.82	0	25	40	50	60				
New England Public	40.2	16.2	.83	15	30	40	55	60	422	-3.1		-.188
Nat. Public Masters	41.0	15.7	.17	15	30	40	55	60	9,023	-3.9		-.247
All Nat. Public	41.2	15.6	.09	15	30	40	55	60	30,940	-4.0		-.259

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

Engagement Indicators: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

	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												
Fitchburg State (N = 38)	26.4	14.8	2.40	0	15	25	40	55				
New England Public	26.2	15.9	.80	0	15	25	40	60	427	.3		.017
Nat. Public Masters	26.2	16.3	.17	0	15	25	40	60	9,028	.3		.017
All Nat. Public	25.0	16.0	.09	0	15	20	35	60	30,910	1.5		.091
Effective Teaching Practices												
Fitchburg State (N = 38)	40.5	13.5	2.18	12	32	40	52	60				
New England Public	41.0	13.7	.69	16	32	40	52	60	427	-.5		-.036
Nat. Public Masters	41.2	13.1	.14	20	32	40	52	60	9,114	-.7		-.051
All Nat. Public	40.1	13.1	.07	20	32	40	52	60	31,221	.4		.034
Campus Environment												
Quality of Interactions												
Fitchburg State (N = 38)	43.7	11.0	1.79	22	38	45	50	60				
New England Public	40.7	12.4	.64	16	33	42	50	60	409	3.0		.245
Nat. Public Masters	42.0	11.7	.13	20	35	44	50	60	8,718	1.7		.142
All Nat. Public	41.2	11.9	.07	20	34	42	50	60	29,919	2.5		.208
Supportive Environment												
Fitchburg State (N = 38)	30.2	14.5	2.36	8	18	30	40	60				
New England Public	32.1	14.5	.73	8	23	33	40	60	428	-1.9		-.134
Nat. Public Masters	33.5	13.8	.14	10	23	33	43	60	9,086	-3.3		-.237
All Nat. Public	33.2	13.7	.08	10	23	33	43	60	31,116	-3.0		-.221

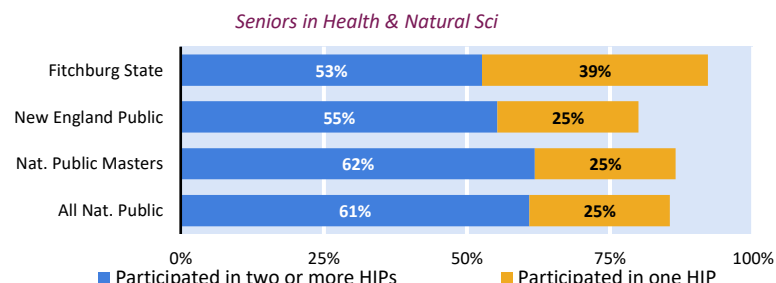
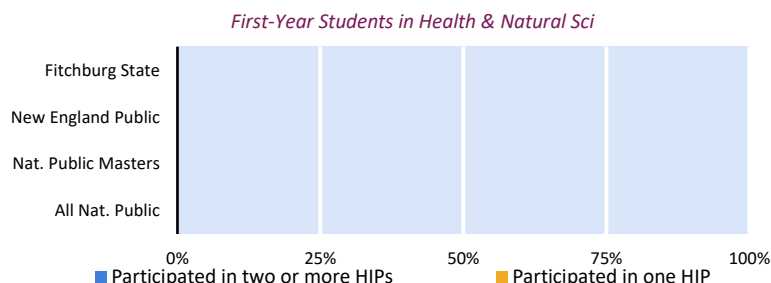
NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

High-Impact Practices: Health & Natural Sci

Fitchburg 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.

	Your students' participation compared with:							
	Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		
	%	Difference ⁱ	ES ^j	Difference ⁱ	ES ^j	Difference ⁱ	ES ^j	
<i>First-Year Students in Health & Natural Sci</i>								
12. Service-Learning								
11c. Learning Community								
11e. Research with Faculty								
Participated in at least one								
Participated in two or more								
<i>Seniors in Health & Natural Sci</i>								
12. Service-Learning	42	<div><div></div></div> -10	-0.19	<div><div></div></div> -19	* -0.39	<div><div></div></div> -15	-0.29	
11c. Learning Community	16	<div><div></div></div> -4	-0.12	<div><div></div></div> -6	-0.15	<div><div></div></div> -6	-0.16	
11e. Research with Faculty	21	<div><div></div></div> -11	-0.25	<div><div></div></div> -11	-0.26	<div><div></div></div> -14	-0.31	
11a. Internship or Field Exp.	47	<div><div></div></div> +5	0.10	<div><div></div></div> +2	0.03	<div><div></div></div> +1	0.02	
11d. Study Abroad	8	<div><div></div></div> +1	0.02	<div><div></div></div> -2	-0.07	<div><div></div></div> -4	-0.12	
11f. Culminating Senior Exp.	50	<div><div></div></div> +15	0.31	<div><div></div></div> +8	0.16	<div><div></div></div> +10	0.20	
Participated in at least one	92	<div><div></div></div> +12	0.36	<div><div></div></div> +6	0.18	<div><div></div></div> +7	0.21	
Participated in two or more	53	<div><div></div></div> -3	-0.05	<div><div></div></div> -9	-0.19	<div><div></div></div> -8	-0.17	

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with					
Item wording or description	Variable name ⁱ	Values ^m	Response options									Mean	New England Public		Nat. Public Masters		All Nat. Public	
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
1. During the current school year, about how often have you done the following?																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	1	6	5	2	201	3	874	4							
		2	Sometimes	5	31	105	37	2,595	38	9,502	39							
		3	Often	7	44	110	38	2,526	37	8,497	35							
		4	Very often	3	19	66	23	1,517	22	5,227	22							
		Total	16	100	286	100	6,839	100	24,100	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	1	6	44	15	1,022	15	4,039	17							
		2	Sometimes	12	75	107	38	2,398	35	8,361	35							
		3	Often	2	13	83	29	2,057	30	7,210	30							
		4	Very often	1	6	51	18	1,339	20	4,391	18							
		Total	16	100	285	100	6,816	100	24,001	100								
c. Come to class without completing readings or assignments	unpreparedr (Reverse-coded version of unprepared created by NSSE.)	1	Very often	1	6	8	3	290	4	1,057	4							
		2	Often	1	6	31	11	764	11	2,910	12							
		3	Sometimes	11	69	160	56	3,857	56	13,777	57							
		4	Never	3	19	87	30	1,920	28	6,309	26							
		Total	16	100	286	100	6,831	100	24,053	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	2	13	132	46	2,544	37	9,555	40							
		2	Sometimes	10	63	103	36	2,803	41	9,535	40							
		3	Often	4	25	39	14	1,047	15	3,518	15							
		4	Very often	0	0	13	5	445	7	1,459	6							
		Total	16	100	287	100	6,839	100	24,067	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	0	0	29	10	498	7	1,655	7							
		2	Sometimes	7	44	125	44	2,598	38	8,825	37							
		3	Often	7	44	99	34	2,502	37	8,864	37							
		4	Very often	2	13	34	12	1,237	18	4,732	20							
		Total	16	100	287	100	6,835	100	24,076	100								
f. Explained course material to one or more students	CLexplain	1	Never	1	7	11	4	250	4	839	3							
		2	Sometimes	5	33	108	38	2,398	35	8,148	34							
		3	Often	7	47	128	45	2,894	42	10,097	42							
		4	Very often	2	13	38	13	1,296	19	4,989	21							
		Total	15	100	285	100	6,838	100	24,073	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		Your first-year students compared with					
														New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	1	6	40	14	855	13	2,893	12								
		2	Sometimes	6	38	114	40	2,460	36	8,335	35								
		3	Often	5	31	98	34	2,244	33	7,892	33								
		4	Very often	4	25	33	12	1,275	19	4,960	21								
		Total	16	100	285	100	6,834	100	24,080	100									
h. Worked with other students on course projects or assignments	CLproject	1	Never	1	6	12	4	420	6	1,650	7								
		2	Sometimes	6	38	128	45	2,669	39	9,229	38								
		3	Often	6	38	112	39	2,572	38	8,970	37								
		4	Very often	3	19	35	12	1,182	17	4,247	18								
		Total	16	100	287	100	6,843	100	24,096	100									
i. Given a course presentation	present	1	Never	2	13	33	11	1,242	18	5,251	22								
		2	Sometimes	11	69	132	46	2,990	44	10,823	45								
		3	Often	3	19	98	34	1,898	28	5,801	24								
		4	Very often	0	0	24	8	707	10	2,204	9								
		Total	16	100	287	100	6,837	100	24,079	100									

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

a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	1	6	26	9	505	7	1,798	7							
		2	Sometimes	8	50	119	42	2,686	39	9,622	40							
		3	Often	4	25	111	39	2,666	39	9,148	38							
		4	Very often	3	19	28	10	979	14	3,503	15							
		Total		16	100	284	100	6,836	100	24,071	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	1	6	24	8	522	8	2,049	9							
		2	Sometimes	8	50	108	38	2,630	39	9,331	39							
		3	Often	6	38	121	42	2,607	38	8,960	37							
		4	Very often	1	6	33	12	1,069	16	3,710	15							
		Total		16	100	286	100	6,828	100	24,050	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	0	0	33	12	629	9	2,311	10							
		2	Sometimes	9	56	109	38	2,621	38	9,444	39							
		3	Often	6	38	102	36	2,424	35	8,318	35							
		4	Very often	1	6	42	15	1,160	17	3,983	17							
		Total		16	100	286	100	6,834	100	24,056	100							

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		Your first-year students compared with					
														New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	0	0	11	4	298	4	1,117	5								
		2	Sometimes	4	25	96	33	2,172	32	7,883	33								
		3	Often	10	63	136	47	3,159	46	10,797	45								
		4	Very often	2	13	44	15	1,199	18	4,270	18								
		Total	16	100	287	100	6,828	100	24,067	100									
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	0	0	8	3	158	2	676	3								
		2	Sometimes	5	31	80	28	1,834	27	6,447	27								
		3	Often	4	25	145	51	3,191	47	11,038	46								
		4	Very often	7	44	54	19	1,653	24	5,892	24								
		Total	16	100	287	100	6,836	100	24,053	100									
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	0	0	7	2	154	2	614	3								
		2	Sometimes	6	38	87	30	1,939	28	6,963	29								
		3	Often	7	44	142	49	3,261	48	11,160	46								
		4	Very often	3	19	51	18	1,479	22	5,318	22								
		Total	16	100	287	100	6,833	100	24,055	100									
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	2	1	58	1	250	1								
		2	Sometimes	4	25	71	25	1,363	20	4,872	20								
		3	Often	8	50	146	51	3,519	52	12,173	51								
		4	Very often	4	25	68	24	1,881	28	6,723	28								
		Total	16	100	287	100	6,821	100	24,018	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	2	13	56	20	1,227	18	4,466	19								
		2	Sometimes	7	44	134	47	3,063	45	10,654	44								
		3	Often	7	44	67	23	1,704	25	5,881	24								
		4	Very often	0	0	29	10	836	12	3,059	13								
		Total	16	100	286	100	6,830	100	24,060	100									
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	10	63	146	51	3,397	50	11,851	49								
		2	Sometimes	3	19	82	29	2,075	30	7,470	31								
		3	Often	3	19	44	15	960	14	3,251	14								
		4	Very often	0	0	13	5	389	6	1,471	6								
		Total	16	100	285	100	6,821	100	24,043	100									

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		Your first-year students compared with					
														New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	7	44	103	36	2,197	32	7,904	33								
		2	Sometimes	6	38	118	41	2,933	43	10,214	43								
		3	Often	3	19	51	18	1,261	18	4,310	18								
		4	Very often	0	0	15	5	436	6	1,600	7								
		Total	16	100	287	100	6,827	100	24,028	100									
d. Discussed your academic performance with a faculty member	SFperform	1	Never	2	13	57	20	1,683	25	6,067	25								
		2	Sometimes	11	69	134	47	3,190	47	11,164	47								
		3	Often	3	19	72	25	1,398	21	4,903	20								
		4	Very often	0	0	21	7	532	8	1,866	8								
		Total	16	100	284	100	6,803	100	24,000	100									
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	0	0	10	3	188	3	623	3								
		2	Some	5	31	62	22	1,458	21	5,153	21								
		3	Quite a bit	9	56	152	53	3,317	49	11,250	47								
		4	Very much	2	13	63	22	1,866	27	7,031	29								
		Total	16	100	287	100	6,829	100	24,057	100									
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	0	0	16	6	173	3	632	3								
		2	Some	2	13	74	26	1,569	23	5,247	22								
		3	Quite a bit	10	63	144	51	3,327	49	11,549	48								
		4	Very much	4	25	50	18	1,761	26	6,621	28								
		Total	16	100	284	100	6,830	100	24,049	100									
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	0	0	13	5	216	3	750	3								
		2	Some	1	6	87	31	1,722	25	5,946	25								
		3	Quite a bit	11	69	129	45	3,155	46	10,923	46								
		4	Very much	4	25	56	20	1,726	25	6,382	27								
		Total	16	100	285	100	6,819	100	24,001	100									
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	1	6	9	3	244	4	884	4								
		2	Some	2	13	80	28	1,720	25	6,320	26								
		3	Quite a bit	9	56	139	49	3,199	47	10,997	46								
		4	Very much	4	25	56	20	1,656	24	5,809	24								
		Total	16	100	284	100	6,819	100	24,010	100									

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with					
													New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	1	6	6	2	270	4	950	4							
		2	Some	3	19	83	29	1,806	26	6,474	27							
		3	Quite a bit	8	50	142	50	3,155	46	10,968	46							
		4	Very much	4	25	54	19	1,593	23	5,616	23							
		Total	16	100	285	100	6,824	100	24,008	100								
5. During the current school year, to what extent have your instructors done the following?																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	0	0	3	1	85	1	383	2							
		2	Some	6	38	58	20	1,297	19	4,590	19							
		3	Quite a bit	6	38	139	49	3,257	48	11,379	47							
		4	Very much	4	25	86	30	2,195	32	7,722	32							
		Total	16	100	286	100	6,834	100	24,074	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	0	0	13	5	191	3	667	3							
		2	Some	3	19	70	24	1,398	20	4,857	20							
		3	Quite a bit	8	50	130	45	3,220	47	11,406	47							
		4	Very much	5	31	73	26	2,017	30	7,122	30							
		Total	16	100	286	100	6,826	100	24,052	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	1	6	11	4	157	2	637	3							
		2	Some	2	13	66	23	1,394	20	4,894	20							
		3	Quite a bit	9	56	121	43	3,023	44	10,592	44							
		4	Very much	4	25	86	30	2,250	33	7,916	33							
		Total	16	100	284	100	6,824	100	24,039	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	1	6	9	3	453	7	1,847	8							
		2	Some	6	38	83	29	1,963	29	7,296	30							
		3	Quite a bit	8	50	125	44	2,667	39	9,000	37							
		4	Very much	1	6	70	24	1,748	26	5,902	25							
		Total	16	100	287	100	6,831	100	24,045	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	2	13	23	8	554	8	2,182	9							
		2	Some	7	44	94	33	2,227	33	7,979	33							
		3	Quite a bit	5	31	108	38	2,622	38	9,038	38							
		4	Very much	2	13	60	21	1,415	21	4,784	20							
		Total	16	100	285	100	6,818	100	23,983	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		Your first-year students compared with					
														New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
6. During the current school year, about how often have you done the following?																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	0	0	35	12	701	10	2,313	10								
		2	Sometimes	6	38	110	38	2,451	36	8,588	36								
		3	Often	9	56	98	34	2,604	38	9,196	38								
		4	Very often	1	6	43	15	1,061	16	3,913	16								
		Total	16	100	286	100	6,817	100	24,010	100									
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	4	25	63	22	1,426	21	4,984	21								
		2	Sometimes	7	44	119	42	2,835	42	9,991	42								
		3	Often	4	25	73	26	1,864	27	6,523	27								
		4	Very often	1	6	30	11	696	10	2,512	10								
		Total	16	100	285	100	6,821	100	24,010	100									
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	4	25	44	15	1,243	18	4,232	18								
		2	Sometimes	6	38	128	45	2,985	44	10,408	43								
		3	Often	5	31	95	33	1,978	29	7,077	29								
		4	Very often	1	6	19	7	615	9	2,313	10								
		Total	16	100	286	100	6,821	100	24,030	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 (Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	0	0	4	1	373	5	1,425	6								
		1.5	1-2	3	19	57	20	1,425	21	5,119	21								
		4	3-5	8	50	85	30	2,223	33	7,935	33								
		8	6-10	2	13	86	30	1,616	24	5,504	23								
		13	11-15	0	0	23	8	650	10	2,136	9								
		18	16-20	3	19	17	6	249	4	881	4								
		23	More than 20	0	0	12	4	261	4	961	4								
		Total	16	100	284	100	6,797	100	23,961	100									
b. Between 6 and 10 pages	wrmednum (Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	4	25	76	27	2,449	36	8,725	37								
		1.5	1-2	7	44	119	42	2,654	39	9,145	38								
		4	3-5	4	25	58	21	1,152	17	3,931	17								
		8	6-10	1	6	22	8	362	5	1,399	6								
		13	11-15	0	0	3	1	79	1	342	1								
		18	16-20	0	0	4	1	31	0	112	0								
		23	More than 20	0	0	0	0	21	0	105	0								
		Total	16	100	282	100	6,748	100	23,759	100									

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with					
													New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
c. 11 pages or more	wrlongnum	0	None	11	69	224	80	5,407	80	18,490	78							
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	5	31	39	14	923	14	3,607	15							
		4	3-5	0	0	9	3	192	3	750	3							
		8	6-10	0	0	3	1	110	2	428	2							
		13	11-15	0	0	4	1	59	1	203	1							
		18	16-20	0	0	1	0	15	0	65	0							
		23	More than 20	0	0	0	0	20	0	92	0							
		Total		16	100	280	100	6,726	100	23,635	100							
		Estimated number of assigned pages of student writing.	wrpages	(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)														
8. During the current school year, about how often have you had discussions with people from the following groups?																		
a. People of a race or ethnicity other than your own	DDrace	1	Never	0	0	11	4	269	4	951	4							
		2	Sometimes	6	38	69	24	1,735	25	5,738	24							
		3	Often	7	44	100	35	2,227	33	7,840	33							
		4	Very often	3	19	105	37	2,602	38	9,561	40							
		Total	16	100	285	100	6,833	100	24,090	100								
b. People from an economic background other than your own	DDeconomic	1	Never	0	0	12	4	264	4	974	4							
		2	Sometimes	4	27	85	30	1,683	25	5,626	23							
		3	Often	7	47	99	35	2,527	37	8,870	37							
		4	Very often	4	27	88	31	2,355	34	8,595	36							
		Total	15	100	284	100	6,829	100	24,065	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	1	6	22	8	397	6	1,337	6							
		2	Sometimes	6	38	88	31	1,726	25	5,893	24							
		3	Often	5	31	91	32	2,323	34	8,061	33							
		4	Very often	4	25	84	29	2,383	35	8,780	36							
		Total	16	100	285	100	6,829	100	24,071	100								
d. People with political views other than your own	DDpolitical	1	Never	0	0	14	5	396	6	1,299	5							
		2	Sometimes	4	25	89	31	1,759	26	6,316	26							
		3	Often	7	44	98	35	2,312	34	8,047	33							
		4	Very often	5	31	83	29	2,360	35	8,403	35							
		Total	16	100	284	100	6,827	100	24,065	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with						
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
9. During the current school year, about how often have you done the following?																			
a. Identified key information from reading assignments	LSreading	1	Never	0	0	6	2	84	1	338	1								
		2	Sometimes	4	25	56	20	1,414	21	4,983	21								
		3	Often	6	38	151	53	3,359	49	11,724	49								
		4	Very often	6	38	72	25	1,968	29	7,020	29								
		Total	16	100	285	100	6,825	100	24,065	100									
b. Reviewed your notes after class	LSnotes	1	Never	2	13	7	2	259	4	931	4								
		2	Sometimes	5	31	93	33	1,890	28	6,701	28								
		3	Often	5	31	111	39	2,433	36	8,567	36								
		4	Very often	4	25	73	26	2,243	33	7,866	33								
		Total	16	100	284	100	6,825	100	24,065	100									
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	2	13	20	7	383	6	1,374	6								
		2	Sometimes	5	31	98	34	2,056	30	7,220	30								
		3	Often	8	50	118	41	2,713	40	9,348	39								
		4	Very often	1	6	50	17	1,658	24	6,060	25								
		Total	16	100	286	100	6,810	100	24,002	100									
10. During the current school year, to what extent have your courses challenged you to do your best work?																			
challenge		1	Not at all	0	0	0	0	42	1	162	1								
		2		0	0	3	1	66	1	238	1								
		3		2	13	18	6	269	4	948	4								
		4		0	0	43	15	762	11	2,632	11								
		5		6	38	93	33	2,311	34	8,080	34								
		6		5	31	73	26	1,874	27	6,492	27								
		7	Very much	3	19	53	19	1,494	22	5,471	23								
		Total	16	100	283	100	6,818	100	24,023	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		2	13	22	8	747	11	2,569	11								
		Do not plan to do		1	6	11	4	217	3	798	3								
		Plan to do		13	81	239	84	5,466	80	19,091	79								
		Done or in progress		0	0	12	4	403	6	1,617	7								
		Total		16	100	284	100	6,833	100	24,075	100								
(Means indicate the percentage who responded "Done or in progress.")																			

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with						
					Public		Masters		All Nat. Public	Public		Nat. Public Masters	All Nat. Public					
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
b. Hold a formal leadership role in a student organization or group	leader		Have not decided	4	25	84	30	1,899	28	6,318	26							
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	5	31	71	25	1,556	23	5,202	22								
	Plan to do	6	38	106	37	2,687	39	10,056	42									
	Done or in progress	1	6	23	8	680	10	2,473	10									
	Total	16	100	284	100	6,822	100	24,049	100									
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom		Have not decided	8	50	101	36	2,337	34	7,498	31							
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	5	31	65	23	1,648	24	6,119	25								
	Plan to do	2	13	90	32	1,999	29	7,018	29									
	Done or in progress	1	6	27	10	828	12	3,375	14									
	Total	16	100	283	100	6,812	100	24,010	100									
d. Participate in a study abroad program	abroad		Have not decided	7	44	82	29	2,035	30	6,735	28							
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	4	25	59	21	1,771	26	5,998	25								
	Plan to do	5	31	137	48	2,857	42	10,713	45									
	Done or in progress	0	0	6	2	164	2	603	3									
	Total	16	100	284	100	6,827	100	24,049	100									
e. Work with a faculty member on a research project	research		Have not decided	9	56	107	38	2,431	36	7,893	33							
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	1	6	42	15	1,105	16	3,729	16								
	Plan to do	6	38	123	43	2,958	43	11,057	46									
	Done or in progress	0	0	12	4	322	5	1,323	6									
	Total	16	100	284	100	6,816	100	24,002	100									
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone		Have not decided	5	31	97	34	2,282	33	7,777	32							
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	0	0	23	8	538	8	2,067	9								
	Plan to do	10	63	160	56	3,896	57	13,719	57									
	Done or in progress	1	6	5	2	101	1	459	2									
	Total	16	100	285	100	6,817	100	24,022	100									

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

servcourse	1	None	10	63	123	43	3,165	46	12,062	50
	2	Some	6	38	134	47	3,069	45	10,120	42
	3	Most	0	0	21	7	488	7	1,536	6
	4	All	0	0	5	2	91	1	297	1
	Total		16	100	283	100	6,813	100	24,015	100

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		Your first-year students compared with					
														New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	QIstudent	1	Poor	0	0	3	1	110	2	374	2								
		2		1	6	9	3	141	2	498	2								
		3		1	6	19	7	382	6	1,329	6								
		4		1	6	50	17	915	13	3,183	13								
		5		7	44	83	29	1,890	28	6,571	27								
		6		5	31	52	18	1,721	25	6,192	26								
		7	Excellent	1	6	68	24	1,629	24	5,781	24								
		—	Not applicable	0	0	2	1	44	1	153	1								
			Total	16	100	286	100	6,832	100	24,081	100								
b. Academic advisors	QIadvisor	1	Poor	0	0	9	3	267	4	851	4								
		2		3	19	8	3	364	5	1,199	5								
		3		0	0	27	9	575	8	1,990	8								
		4		1	6	50	18	1,014	15	3,520	15								
		5		4	25	72	25	1,385	20	4,994	21								
		6		5	31	54	19	1,365	20	4,905	20								
		7	Excellent	3	19	63	22	1,694	25	6,158	26								
		—	Not applicable	0	0	2	1	170	2	464	2								
			Total	16	100	285	100	6,834	100	24,081	100								
c. Faculty	QIfaculty	1	Poor	0	0	3	1	136	2	503	2								
		2		1	6	3	1	207	3	786	3								
		3		3	19	20	7	472	7	1,630	7								
		4		3	19	49	17	1,027	15	3,692	15								
		5		2	13	90	32	1,826	27	6,472	27								
		6		4	25	75	26	1,756	26	6,143	26								
		7	Excellent	3	19	42	15	1,320	19	4,554	19								
		—	Not applicable	0	0	2	1	63	1	230	1								
			Total	16	100	284	100	6,807	100	24,010	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with						
					Public				Public	Nat. Public Masters		All Nat. Public						
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	0	0	21	7	298	4	957	4							
		2		0	0	9	3	289	4	1,046	4							
		3		0	0	23	8	538	8	1,790	7							
		4		2	13	45	16	914	13	3,421	14							
		5		6	38	70	25	1,483	22	5,282	22							
		6		6	38	49	17	1,479	22	5,040	21							
		7	Excellent	1	6	48	17	1,237	18	4,441	18							
		—	Not applicable	1	6	20	7	579	8	2,034	8							
		Total		16	100	285	100	6,817	100	24,011	100							
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	0	0	8	3	305	4	1,085	5							
		2		0	0	14	5	365	5	1,280	5							
		3		1	6	32	11	562	8	2,013	8							
		4		3	19	51	18	1,074	16	3,836	16							
		5		3	19	70	25	1,505	22	5,425	23							
		6		6	38	47	16	1,390	20	4,658	19							
		7	Excellent	3	19	42	15	1,219	18	4,119	17							
		—	Not applicable	0	0	21	7	405	6	1,641	7							
		Total		16	100	285	100	6,825	100	24,057	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	1	0	87	1	339	1							
		2	Some	5	31	62	22	1,103	16	3,778	16							
		3	Quite a bit	9	56	160	56	3,258	48	11,174	46							
		4	Very much	2	13	62	22	2,379	35	8,757	36							
		Total		16	100	285	100	6,827	100	24,048	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	1	6	8	3	226	3	727	3							
		2	Some	6	38	65	23	1,349	20	4,580	19							
		3	Quite a bit	7	44	140	49	2,977	44	10,396	43							
		4	Very much	2	13	73	26	2,241	33	8,235	34							
		Total		16	100	286	100	6,793	100	23,938	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	0	0	20	7	318	5	1,170	5							
		2	Some	3	19	55	19	1,117	16	3,887	16							
		3	Quite a bit	9	56	117	41	2,616	38	9,154	38							
		4	Very much	4	25	92	32	2,766	41	9,797	41							
		Total		16	100	284	100	6,817	100	24,008	100							

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		Your first-year students compared with					
														New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	2	13	23	8	643	9	2,278	9								
		2	Some	6	38	76	27	1,889	28	6,553	27								
		3	Quite a bit	7	44	114	40	2,550	37	8,697	36								
		4	Very much	1	6	72	25	1,731	25	6,471	27								
		Total	16	100	285	100	6,813	100	23,999	100									
e. Providing opportunities to be involved socially	SEsocial	1	Very little	1	7	20	7	355	5	1,186	5								
		2	Some	5	33	67	23	1,528	22	5,217	22								
		3	Quite a bit	8	53	119	42	2,829	41	9,799	41								
		4	Very much	1	7	80	28	2,107	31	7,792	32								
		Total	15	100	286	100	6,819	100	23,994	100									
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	2	13	18	6	352	5	1,204	5								
		2	Some	6	38	80	28	1,508	22	5,124	21								
		3	Quite a bit	7	44	111	39	2,816	41	9,813	41								
		4	Very much	1	6	76	27	2,141	31	7,844	33								
		Total	16	100	285	100	6,817	100	23,985	100									
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	5	31	70	24	1,351	20	4,771	20								
		2	Some	9	56	95	33	2,496	37	8,656	36								
		3	Quite a bit	2	13	74	26	1,961	29	6,939	29								
		4	Very much	0	0	47	16	1,007	15	3,628	15								
		Total	16	100	286	100	6,815	100	23,994	100									
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	1	6	30	11	539	8	1,667	7								
		2	Some	7	44	83	29	1,825	27	6,066	25								
		3	Quite a bit	6	38	103	36	2,643	39	9,562	40								
		4	Very much	2	13	68	24	1,804	26	6,694	28								
		Total	16	100	284	100	6,811	100	23,989	100									
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	2	13	32	11	885	13	3,020	13								
		2	Some	9	56	91	32	2,326	34	8,243	34								
		3	Quite a bit	4	25	102	36	2,324	34	8,187	34								
		4	Very much	1	6	57	20	1,278	19	4,532	19								
		Total	16	100	282	100	6,813	100	23,982	100									

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with						
					Public		Masters		All Nat. Public	Public		Nat. Public Masters	All Nat. Public					
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
15. About how many hours do you spend in a typical 7-day week doing the following?																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	0	0	0	0	26	0	83	0							
	(Recoded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	19	32	11	849	12	2,792	12							
	8	6-10 hrs	3	19	69	24	1,573	23	5,313	22								
	13	11-15 hrs	3	19	85	30	1,602	23	5,418	23								
	18	16-20 hrs	3	19	59	21	1,349	20	4,802	20								
	23	21-25 hrs	2	13	20	7	746	11	2,876	12								
	28	26-30 hrs	2	13	9	3	347	5	1,376	6								
	33	More than 30 hrs	0	0	12	4	352	5	1,398	6								
	Total	16	100	286	100	6,844	100	24,058	100									
b. Participating in co- curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	5	31	108	38	2,213	33	7,390	31							
	(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	9	56	84	30	2,279	33	8,203	34							
	8	6-10 hrs	1	6	45	16	1,098	16	3,970	17								
	13	11-15 hrs	1	6	21	7	558	8	2,091	9								
	18	16-20 hrs	0	0	10	4	357	5	1,246	5								
	23	21-25 hrs	0	0	8	3	156	2	582	2								
	28	26-30 hrs	0	0	0	0	61	1	199	1								
	33	More than 30 hrs	0	0	7	2	83	1	283	1								
	Total	16	100	283	100	6,805	100	23,964	100									
c. Working for pay on campus	tmworkonhrs	0	0 hrs	13	81	217	77	5,607	82	19,592	82							
	(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	0	0	7	2	190	3	701	3							
	8	6-10 hrs	2	13	23	8	373	5	1,375	6								
	13	11-15 hrs	1	6	21	7	339	5	1,144	5								
	18	16-20 hrs	0	0	13	5	199	3	774	3								
	23	21-25 hrs	0	0	2	1	65	1	253	1								
	28	26-30 hrs	0	0	0	0	23	0	68	0								
	33	More than 30 hrs	0	0	0	0	25	0	102	0								
	Total	16	100	283	100	6,821	100	24,009	100									

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		Your first-year students compared with					
														New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	6	38	142	50	4,563	67	16,775	70								
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	6	16	6	308	5	1,021	4								
		8	6-10 hrs	3	19	35	12	413	6	1,228	5								
		13	11-15 hrs	1	6	21	7	406	6	1,285	5								
		18	16-20 hrs	2	13	39	14	487	7	1,474	6								
		23	21-25 hrs	2	13	18	6	285	4	981	4								
		28	26-30 hrs	1	6	4	1	163	2	558	2								
		33	More than 30 hrs	0	0	8	3	201	3	676	3								
		Total	16	100	283	100	6,826	100	23,998	100									
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)																		
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	10	63	188	66	3,812	56	13,206	55								
	(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	4	25	61	22	2,119	31	7,689	32								
		8	6-10 hrs	1	6	15	5	504	7	1,719	7								
		13	11-15 hrs	1	6	11	4	191	3	698	3								
		18	16-20 hrs	0	0	6	2	121	2	398	2								
		23	21-25 hrs	0	0	2	1	29	0	149	1								
		28	26-30 hrs	0	0	0	0	17	0	52	0								
		33	More than 30 hrs	0	0	0	0	30	0	94	0								
		Total	16	100	283	100	6,823	100	24,005	100									
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	5	2	152	2	442	2								
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	4	25	53	19	1,520	22	5,216	22								
		8	6-10 hrs	5	31	72	26	1,829	27	6,721	28								
		13	11-15 hrs	5	31	57	20	1,418	21	5,009	21								
		18	16-20 hrs	1	6	44	16	879	13	3,105	13								
		23	21-25 hrs	0	0	19	7	411	6	1,433	6								
		28	26-30 hrs	1	6	10	4	200	3	675	3								
		33	More than 30 hrs	0	0	22	8	413	6	1,405	6								
		Total	16	100	282	100	6,822	100	24,006	100									

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with						
													New England Public		Nat. Public Masters		All Nat. Public		
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	13	81	199	70	5,225	77	18,831	79								
	(Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	2	13	35	12	745	11	2,415	10								
		8	6-10 hrs	0	0	26	9	347	5	1,040	4								
		13	11-15 hrs	1	6	9	3	204	3	642	3								
		18	16-20 hrs	0	0	7	2	116	2	400	2								
		23	21-25 hrs	0	0	5	2	54	1	200	1								
		28	26-30 hrs	0	0	1	0	14	0	63	0								
		33	More than 30 hrs	0	0	2	1	115	2	384	2								
		Total	16	100	284	100	6,820	100	23,975	100									
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	8	50	119	42	2,699	40	9,374	39								
	(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	6	38	83	29	2,460	36	9,053	38								
		8	6-10 hrs	1	6	52	18	882	13	3,064	13								
		13	11-15 hrs	1	6	8	3	379	6	1,217	5								
		18	16-20 hrs	0	0	12	4	186	3	612	3								
		23	21-25 hrs	0	0	5	2	71	1	268	1								
		28	26-30 hrs	0	0	0	0	38	1	121	1								
		33	More than 30 hrs	0	0	7	2	116	2	324	1								
		Total	16	100	286	100	6,831	100	24,033	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	1	6	13	5	839	12	3,098	13									
	2	Some	5	31	108	38	2,334	34	8,405	35									
	3	About half	4	25	83	29	1,923	28	6,783	28									
	4	Most	5	31	59	21	1,261	18	4,281	18									
	5	Almost all	1	6	21	7	469	7	1,466	6									
	Total	16	100	284	100	6,826	100	24,033	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)																			

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with					
	New England Public		Nat. Public Masters										All Nat. Public					
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
	tmreadinghrscol	1	0 hrs	0	0	0	0	26	0	82	0							
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	8	50	146	51	3,532	52	12,294	51							
		3	More than 5, up to 10 hrs	4	25	86	30	1,929	28	6,902	29							
		4	More than 10, up to 15 hrs	2	13	32	11	654	10	2,398	10							
		5	More than 15, up to 20 hrs	0	0	9	3	343	5	1,192	5							
		6	More than 20, up to 25 hrs	2	13	7	2	241	4	804	3							
		7	More than 25 hrs	0	0	4	1	92	1	292	1							
		Total		16	100	284	100	6,817	100	23,964	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	3	19	9	3	423	6	1,780	7							
		2	Some	4	25	82	29	1,834	27	6,795	28							
		3	Quite a bit	9	56	144	50	3,099	45	10,397	43							
		4	Very much	0	0	52	18	1,465	21	5,054	21							
		Total		16	100	287	100	6,821	100	24,026	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	5	31	25	9	659	10	2,838	12							
		2	Some	4	25	97	34	2,102	31	7,799	32							
		3	Quite a bit	6	38	120	42	2,726	40	8,926	37							
		4	Very much	1	6	45	16	1,337	20	4,464	19							
		Total		16	100	287	100	6,824	100	24,027	100							
c. Thinking critically and analytically	pgthink	1	Very little	3	19	9	3	180	3	690	3							
		2	Some	2	13	65	23	1,312	19	4,547	19							
		3	Quite a bit	8	50	137	48	3,108	45	10,909	45							
		4	Very much	3	19	76	26	2,233	33	7,890	33							
		Total		16	100	287	100	6,833	100	24,036	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	3	19	22	8	619	9	2,082	9							
		2	Some	3	19	105	37	2,111	31	7,176	30							
		3	Quite a bit	8	50	119	42	2,681	39	9,453	39							
		4	Very much	2	13	40	14	1,420	21	5,330	22							
		Total		16	100	286	100	6,831	100	24,041	100							

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		Your first-year students compared with					
														New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
e. Acquiring job- or work- related knowledge and skills	pgwork	1	Very little	5	31	53	19	994	15	3,752	16								
		2	Some	5	31	105	37	2,444	36	8,300	35								
		3	Quite a bit	4	25	89	31	2,238	33	7,904	33								
		4	Very much	2	13	39	14	1,157	17	4,090	17								
		Total	16	100	286	100	6,833	100	24,046	100									
f. Working effectively with others	pgothers	1	Very little	3	19	20	7	408	6	1,631	7								
		2	Some	5	31	84	29	1,885	28	6,811	28								
		3	Quite a bit	5	31	129	45	2,926	43	9,971	41								
		4	Very much	3	19	54	19	1,615	24	5,649	23								
		Total	16	100	287	100	6,834	100	24,062	100									
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	5	31	32	11	731	11	2,834	12								
		2	Some	4	25	86	30	2,059	30	7,125	30								
		3	Quite a bit	6	38	118	41	2,637	39	9,073	38								
		4	Very much	1	6	50	17	1,408	21	5,020	21								
		Total	16	100	286	100	6,835	100	24,052	100									
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	1	6	31	11	580	8	2,104	9								
		2	Some	6	38	67	24	1,886	28	6,639	28								
		3	Quite a bit	7	44	124	44	2,572	38	9,056	38								
		4	Very much	2	13	63	22	1,790	26	6,254	26								
		Total	16	100	285	100	6,828	100	24,053	100									
i. Solving complex real- world problems	pgprobsolve	1	Very little	3	19	38	13	734	11	2,731	11								
		2	Some	6	38	100	35	2,363	35	8,181	34								
		3	Quite a bit	6	38	114	40	2,514	37	8,593	36								
		4	Very much	1	6	33	12	1,221	18	4,541	19								
		Total	16	100	285	100	6,832	100	24,046	100									
j. Being an informed and active citizen	pgcitizen	1	Very little	3	19	26	9	734	11	2,692	11								
		2	Some	6	38	92	32	2,189	32	7,589	32								
		3	Quite a bit	5	31	111	39	2,562	38	8,816	37								
		4	Very much	2	13	56	20	1,340	20	4,915	20								
		Total	16	100	285	100	6,825	100	24,012	100									

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

First-Year Students^a in Health & Natural Sci

First-Year Students ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with						
					Public		Masters		Public	Nat. Public Masters		All Nat. Public						
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
18. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	2	13	5	2	95	1	394	2							
		2	Fair	3	19	56	20	887	13	3,069	13							
		3	Good	8	50	160	56	3,630	53	12,264	51							
		4	Excellent	3	19	65	23	2,226	33	8,340	35							
		Total		16	100	286	100	6,838	100	24,067	100							
19. If you could start over again, would you go to the <i>same institution</i> you are now attending?																		
	sameinst	1	Definitely no	2	13	17	6	262	4	848	4							
		2	Probably no	3	19	43	15	878	13	3,028	13							
		3	Probably yes	5	31	141	49	3,089	45	10,526	44							
		4	Definitely yes	6	38	86	30	2,615	38	9,697	40							
		Total		16	100	287	100	6,844	100	24,099	100							

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors^a in Health & Natural Sci

				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with					
													New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
1. During the current school year, about how often have you done the following?																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	0	0	10	3	212	2	926	3	3.1	3.2	-.03	3.1	.09	3.0	.15
		2	Sometimes	10	26	91	23	2,547	28	9,262	30							
		3	Often	13	34	120	30	2,893	32	9,893	32							
		4	Very often	15	39	173	44	3,430	38	11,093	36							
		Total	38	100	394	100	9,082	100	31,174	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	10	26	64	16	1,848	20	6,828	22	2.3	2.5	-.16	2.4	-.06	2.4	-.02
		2	Sometimes	12	32	145	37	3,290	36	11,248	36							
		3	Often	9	24	107	27	2,321	26	7,935	26							
		4	Very often	7	18	76	19	1,587	18	5,067	16							
		Total	38	100	392	100	9,046	100	31,078	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	1	3	12	3	488	5	1,812	6	3.1	3.0	.13	3.0	.17	3.0	.21
		2	Often	3	8	67	17	1,245	14	4,644	15							
		3	Sometimes	24	63	209	53	5,114	56	17,507	56							
		4	Never	10	26	105	27	2,212	24	7,186	23							
		Total	38	100	393	100	9,059	100	31,149	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	15	39	217	55	4,316	48	14,398	46	1.8	1.6 * ▲	.34	1.7	.16	1.7	.13
		2	Sometimes	16	42	133	34	3,434	38	12,014	39							
		3	Often	5	13	33	8	940	10	3,337	11							
		4	Very often	2	5	10	3	382	4	1,428	5							
		Total	38	100	393	100	9,072	100	31,177	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	5	13	48	12	962	11	3,501	11	2.5	2.4	.17	2.5	-.03	2.5	-.01
		2	Sometimes	14	37	193	49	3,846	42	13,273	43							
		3	Often	14	37	112	29	2,776	31	9,457	30							
		4	Very often	5	13	39	10	1,482	16	4,927	16							
		Total	38	100	392	100	9,066	100	31,158	100								
f. Explained course material to one or more students	CLexplain	1	Never	2	5	12	3	301	3	1,143	4	2.7	2.8	-.14	2.9	-.22	2.8	-.20
		2	Sometimes	14	37	143	36	2,904	32	10,140	33							
		3	Often	16	42	153	39	3,554	39	12,240	39							
		4	Very often	6	16	86	22	2,308	25	7,646	25							
		Total	38	100	394	100	9,067	100	31,169	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Your seniors compared with						
												Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	4	11	66	17	1,279	14	4,623	15	2.7	2.4	.29	2.6	.10	2.6	.13
		2	Sometimes	12	32	150	38	3,139	35	11,048	35							
		3	Often	14	37	122	31	2,719	30	9,114	29							
		4	Very often	8	21	54	14	1,934	21	6,389	20							
		Total	38	100	392	100	9,071	100	31,174	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	2	5	19	5	437	5	1,820	6	2.7	2.6	.05	2.9	-.24	2.8	-.15
		2	Sometimes	15	39	173	44	2,747	30	10,347	33							
		3	Often	15	39	138	35	3,538	39	11,661	37							
		4	Very often	6	16	62	16	2,355	26	7,350	24							
		Total	38	100	392	100	9,077	100	31,178	100								
i. Given a course presentation	present	1	Never	6	16	42	11	894	10	3,786	12	2.6	2.6	.02	2.7	-.12	2.6	.00
		2	Sometimes	11	29	154	39	3,077	34	11,566	37							
		3	Often	14	37	132	34	3,089	34	9,849	32							
		4	Very often	7	18	65	17	2,020	22	6,003	19							
		Total	38	100	393	100	9,080	100	31,204	100								
2. During the current school year, about how often have you done the following?																		
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	1	3	18	5	254	3	938	3	2.8	2.8	-.03	3.0	-.20	2.9	-.16
		2	Sometimes	14	37	119	30	2,316	26	8,472	27							
		3	Often	14	37	161	41	3,850	42	13,087	42							
		4	Very often	9	24	93	24	2,652	29	8,676	28							
		Total	38	100	391	100	9,072	100	31,173	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	3	8	32	8	584	6	2,228	7	2.7	2.8	-.08	2.8	-.14	2.8	-.10
		2	Sometimes	13	34	120	31	2,844	31	10,055	32							
		3	Often	15	39	151	39	3,398	37	11,526	37							
		4	Very often	7	18	89	23	2,241	25	7,338	24							
		Total	38	100	392	100	9,067	100	31,147	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	9	24	62	16	1,164	13	4,218	14	2.1	2.5 *	-.40	2.6 **	-.49	2.5 **	-.46
		2	Sometimes	18	47	148	38	3,340	37	11,621	37							
		3	Often	9	24	112	28	2,776	31	9,472	30							
		4	Very often	2	5	71	18	1,788	20	5,832	19							
		Total	38	100	393	100	9,068	100	31,143	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ		Mean	Effect size ⁿ					
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	4	11	25	6	431	5	1,508	5	2.7	2.7	-.01	2.8	-.16	2.8	-.15
		2	Sometimes	10	26	142	36	2,766	31	9,612	31							
		3	Often	18	47	153	39	3,912	43	13,456	43							
		4	Very often	6	16	72	18	1,957	22	6,553	21							
		Total	38	100	392	100	9,066	100	31,129	100								
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	1	3	11	3	269	3	900	3	2.9	2.9	.00	3.0	-.10	3.0	-.09
		2	Sometimes	10	26	112	28	2,244	25	7,912	25							
		3	Often	19	50	177	45	4,016	44	13,732	44							
		4	Very often	8	21	94	24	2,531	28	8,595	28							
		Total	38	100	394	100	9,060	100	31,139	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	1	3	12	3	171	2	581	2	2.8	2.9	-.09	3.0	-.18	3.0	-.16
		2	Sometimes	12	32	100	26	2,309	25	8,153	26							
		3	Often	17	45	190	48	4,124	46	14,082	45							
		4	Very often	8	21	90	23	2,457	27	8,289	27							
		Total	38	100	392	100	9,061	100	31,105	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	1	3	3	1	63	1	232	1	3.2	3.1	.09	3.2	-.01	3.2	.02
		2	Sometimes	5	13	66	17	1,277	14	4,753	15							
		3	Often	17	45	195	50	4,322	48	14,678	47							
		4	Very often	15	39	128	33	3,385	37	11,424	37							
		Total	38	100	392	100	9,047	100	31,087	100								
3. During the current school year, about how often have you done the following?																		
a. Talked about career plans with a faculty member	SFcareer	1	Never	5	13	49	12	1,238	14	4,636	15	2.7	2.6	.11	2.6	.12	2.5	.19
		2	Sometimes	10	26	154	39	3,471	38	12,415	40							
		3	Often	15	39	105	27	2,369	26	7,996	26							
		4	Very often	8	21	85	22	1,989	22	6,101	20							
		Total	38	100	393	100	9,067	100	31,148	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	16	42	165	42	3,454	38	12,101	39	1.9	2.0	-.04	2.1	-.13	2.1	-.10
		2	Sometimes	11	29	112	28	2,694	30	9,498	31							
		3	Often	8	21	72	18	1,583	17	5,363	17							
		4	Very often	3	8	45	11	1,326	15	4,158	13							
		Total	38	100	394	100	9,057	100	31,120	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ		Mean	Effect size ⁿ					
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	7	18	82	21	2,033	22	7,565	24	2.2	2.3	-.07	2.3	-.05	2.2	.02
		2	Sometimes	16	42	163	42	3,652	40	12,939	42							
		3	Often	14	37	95	24	2,122	23	6,818	22							
		4	Very often	1	3	52	13	1,243	14	3,759	12							
		Total	38	100	392	100	9,050	100	31,081	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	5	13	71	18	1,808	20	6,768	22	2.4	2.4	.05	2.3	.13	2.2	.20
		2	Sometimes	18	47	157	40	3,905	43	13,806	44							
		3	Often	9	24	112	28	2,145	24	6,993	22							
		4	Very often	6	16	53	13	1,187	13	3,518	11							
		Total	38	100	393	100	9,045	100	31,085	100								
4. During the current school year, how much has your coursework emphasized the following?																		
a. Memorizing course material	memorize	1	Very little	0	0	24	6	365	4	1,236	4	2.9	2.9	-.02	3.0	-.11	3.0	-.11
		2	Some	11	29	93	24	2,087	23	7,263	23							
		3	Quite a bit	20	53	167	43	3,902	43	13,309	43							
		4	Very much	7	18	107	27	2,708	30	9,331	30							
		Total	38	100	391	100	9,062	100	31,139	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	0	0	10	3	214	2	775	2	3.0	3.1	-.09	3.1	-.15	3.1	-.11
		2	Some	8	21	73	19	1,527	17	5,625	18							
		3	Quite a bit	21	55	179	46	4,083	45	14,101	45							
		4	Very much	9	24	130	33	3,248	36	10,636	34							
		Total	38	100	392	100	9,072	100	31,137	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	1	3	20	5	304	3	1,069	3	2.8	3.0	-.28	3.1 *	-.37	3.0 *	-.32
		2	Some	13	34	78	20	1,831	20	6,800	22							
		3	Quite a bit	18	47	177	45	3,891	43	13,399	43							
		4	Very much	6	16	117	30	3,026	33	9,842	32							
		Total	38	100	392	100	9,052	100	31,110	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	4	11	25	6	531	6	1,988	6	2.7	2.8	-.16	2.9	-.27	2.9	-.22
		2	Some	9	24	110	28	2,212	24	8,068	26							
		3	Quite a bit	20	53	167	42	3,799	42	12,927	42							
		4	Very much	5	13	91	23	2,512	28	8,105	26							
		Total	38	100	393	100	9,054	100	31,088	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors^a in
Health & Natural Sci

				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with					
													New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	3	8	25	6	423	5	1,507	5	2.8	2.9	-.11	2.9	-.20	2.9	-.17
		2	Some	9	24	99	25	2,259	25	8,034	26							
		3	Quite a bit	20	53	177	45	3,852	43	13,370	43							
		4	Very much	6	16	92	23	2,522	28	8,179	26							
		Total	38	100	393	100	9,056	100	31,090	100								
5. During the current school year, to what extent have your instructors done the following?																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	1	3	7	2	141	2	470	2	3.2	3.2	-.08	3.2	-.06	3.2	-.02
		2	Some	5	13	55	14	1,329	15	4,901	16							
		3	Quite a bit	18	47	165	42	3,946	43	13,818	44							
		4	Very much	14	37	166	42	3,656	40	11,978	38							
		Total	38	100	393	100	9,072	100	31,167	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	1	3	7	2	213	2	769	2	3.2	3.2	.03	3.2	.03	3.1	.08
		2	Some	6	16	75	19	1,458	16	5,416	17							
		3	Quite a bit	16	42	157	40	4,072	45	14,126	45							
		4	Very much	15	39	152	39	3,325	37	10,840	35							
		Total	38	100	391	100	9,068	100	31,151	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	0	0	8	2	174	2	712	2	3.3	3.1	.16	3.2	.07	3.2	.12
		2	Some	6	16	76	19	1,414	16	5,227	17							
		3	Quite a bit	15	41	157	40	3,733	41	13,031	42							
		4	Very much	16	43	149	38	3,745	41	12,160	39							
		Total	37	100	390	100	9,066	100	31,130	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	4	11	36	9	827	9	3,367	11	2.8	2.8	-.05	2.8	-.03	2.7	.06
		2	Some	9	24	97	25	2,524	28	9,445	30							
		3	Quite a bit	16	42	151	39	3,174	35	10,587	34							
		4	Very much	9	24	106	27	2,538	28	7,708	25							
		Total	38	100	390	100	9,063	100	31,107	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	4	11	28	7	590	7	2,378	8	2.7	2.9	-.18	2.9	-.19	2.8	-.09
		2	Some	11	29	96	25	2,380	26	9,092	29							
		3	Quite a bit	15	39	166	43	3,637	40	12,129	39							
		4	Very much	8	21	100	26	2,438	27	7,448	24							
		Total	38	100	390	100	9,045	100	31,047	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with					
													New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
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	5	13	40	10	718	8	2,544	8	2.4	2.7	-.27	2.7 *	-.36	2.7 *	-.34
		2	Sometimes	15	39	127	32	2,958	33	10,157	33							
		3	Often	15	39	148	38	3,363	37	11,600	37							
		4	Very often	3	8	76	19	2,034	22	6,787	22							
		Total	38	100	391	100	9,073	100	31,088	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	15	39	83	21	1,570	17	5,442	18	1.9	2.3 *	-.38	2.4 **	-.51	2.4 **	-.50
		2	Sometimes	12	32	151	39	3,458	38	11,987	39							
		3	Often	9	24	108	28	2,563	28	8,781	28							
		4	Very often	2	5	47	12	1,455	16	4,879	16							
		Total	38	100	389	100	9,046	100	31,089	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	8	21	63	16	1,186	13	4,054	13	2.2	2.4	-.21	2.5 *	-.34	2.5 *	-.34
		2	Sometimes	16	42	161	41	3,451	38	11,885	38							
		3	Often	12	32	112	29	2,960	33	10,165	33							
		4	Very often	2	5	55	14	1,458	16	5,008	16							
		Total	38	100	391	100	9,055	100	31,112	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 (Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	4	11	19	5	554	6	2,168	7	6.3	7.7	-.22	7.2	-.14	7.0	-.11
		1.5	1-2	8	21	54	14	1,744	19	6,331	20							
		4	3-5	14	37	125	32	2,684	30	9,091	29							
		8	6-10	5	13	94	24	1,963	22	6,456	21							
		13	11-15	2	5	49	13	877	10	3,030	10							
		18	16-20	2	5	20	5	489	5	1,619	5							
		23	More than 20	3	8	29	7	674	8	2,203	7							
		Total	38	100	390	100	8,985	100	30,898	100								
b. Between 6 and 10 pages	wrmednum (Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	11	30	78	20	2,164	24	7,998	26	2.7	3.3	-.15	3.1	-.11	3.0	-.09
		1.5	1-2	14	38	154	39	3,348	37	11,281	37							
		4	3-5	8	22	97	25	2,102	23	6,961	23							
		8	6-10	2	5	42	11	871	10	2,909	9							
		13	11-15	1	3	10	3	266	3	920	3							
		18	16-20	1	3	7	2	114	1	350	1							
		23	More than 20	0	0	3	1	93	1	316	1							
		Total	37	100	391	100	8,958	100	30,735	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Count	%	Count	%	Count	%		Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
c. 11 pages or more	wrlongnum	0	None	25	66	175	45	4,579	51	16,049	52	1.5	1.6	-.03	1.6	-.01	1.5	.00
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	8	21	155	40	3,074	34	10,318	34							
		4	3-5	1	3	37	9	757	8	2,533	8							
		8	6-10	3	8	13	3	280	3	925	3							
		13	11-15	0	0	7	2	126	1	421	1							
		18	16-20	1	3	3	1	58	1	190	1							
		23	More than 20	0	0	0	0	56	1	212	1							
	Total	38	100	390	100	8,930	100	30,648	100									
Estimated number of assigned pages of student writing.	wrpages											63.6	73.0	-.12	69.3	-.07	67.6	-.05
(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)																		
8. During the current school year, about how often have you had discussions with people from the following groups?																		
a. People of a race or ethnicity other than your own	DDrace	1	Never	4	11	21	5	426	5	1,408	5	2.9	3.1	-.23	3.1	-.26	3.1	-.26
		2	Sometimes	9	24	86	22	2,070	23	7,100	23							
		3	Often	13	34	128	32	2,711	30	9,354	30							
		4	Very often	12	32	159	40	3,861	43	13,300	43							
		Total	38	100	394	100	9,068	100	31,162	100								
b. People from an economic background other than your own	DDeconomic	1	Never	3	8	18	5	351	4	1,187	4	2.8	3.0	-.26	3.1	-.30	3.1	-.32
		2	Sometimes	10	27	91	23	2,080	23	6,983	22							
		3	Often	15	41	138	35	3,180	35	10,907	35							
		4	Very often	9	24	143	37	3,438	38	12,038	39							
		Total	37	100	390	100	9,049	100	31,115	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	3	8	23	6	511	6	1,584	5	2.9	3.0	-.12	3.0	-.18	3.1	-.20
		2	Sometimes	9	24	110	28	2,142	24	7,304	23							
		3	Often	16	42	110	28	2,909	32	10,094	32							
		4	Very often	10	26	148	38	3,495	39	12,134	39							
		Total	38	100	391	100	9,057	100	31,116	100								
d. People with political views other than your own	DDpolitical	1	Never	3	8	30	8	518	6	1,692	5	2.9	2.9	-.04	3.0	-.10	3.0	-.10
		2	Sometimes	9	24	106	27	2,334	26	8,216	26							
		3	Often	15	39	115	29	2,932	32	9,948	32							
		4	Very often	11	29	139	36	3,269	36	11,255	36							
		Total	38	100	390	100	9,053	100	31,111	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
9. During the current school year, about how often have you done the following?																			
a. Identified key information from reading assignments	LSreading	1	Never	1	3	7	2	168	2	641	2	2.8	3.2 **	-.46	3.1 **	-.42	3.1 **	-.42	
		2	Sometimes	11	29	66	17	1,633	18	5,548	18								
		3	Often	20	53	176	45	4,006	44	13,685	44								
		4	Very often	6	16	145	37	3,258	36	11,265	36								
		Total	38	100	394	100	9,065	100	31,139	100									
b. Reviewed your notes after class	LSnotes	1	Never	3	8	28	7	528	6	1,893	6	2.6	2.9	-.31	2.9 *	-.32	2.9	-.30	
		2	Sometimes	15	39	105	27	2,561	28	9,021	29								
		3	Often	13	34	130	33	3,006	33	10,297	33								
		4	Very often	7	18	130	33	2,956	33	9,918	32								
		Total	38	100	393	100	9,051	100	31,129	100									
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	2	5	23	6	556	6	1,941	6	2.9	2.9	-.03	2.9	-.01	2.9	.00	
		2	Sometimes	8	21	113	29	2,552	28	8,874	29								
		3	Often	21	55	136	35	3,382	37	11,582	37								
		4	Very often	7	18	119	30	2,552	28	8,661	28								
		Total	38	100	391	100	9,042	100	31,058	100									
10. During the current school year, to what extent have your courses challenged you to do your best work?																			
challenge		1	Not at all	0	0	2	1	63	1	262	1	5.4	5.6	-.15	5.6	-.22	5.6	-.16	
		2		2	5	4	1	106	1	391	1								
		3		0	0	15	4	309	3	1,164	4								
		4		3	8	51	13	813	9	3,071	10								
		5		17	45	116	29	2,603	29	9,221	30								
		6		9	24	93	24	2,592	29	8,663	28								
		7	Very much	7	18	113	29	2,556	28	8,307	27								
		Total	38	100	394	100	9,042	100	31,079	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	2	5	51	13	911	10	3,155	10	47%	43%	.10	46%	.03	47%	.01		
		Do not plan to do	9	24	70	18	1,418	16	4,917	16									
		Plan to do	9	24	104	27	2,585	28	8,558	27									
		Done or in progress	18	47	167	43	4,159	46	14,525	47									
		Total	38	100	392	100	9,073	100	31,155	100									
			(Means indicate the percentage who responded "Done or in progress.")																

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors^a in
Health & Natural Sci

				Frequency Distributions								Statistical Comparisons ^k						
						New England Public		Nat. Public Masters		All Nat. Public			Your seniors compared with					
				Fitchburg State								Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
b. Hold a formal leadership role in a student organization or group	leader		Have not decided	1	3	37	9	1,032	11	3,335	11	16%	29%	-.31	36% *	-.46	37% **	-.50
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	27	71	212	54	4,065	45	13,605	44								
	Plan to do	4	11	31	8	744	8	2,593	8									
	Done or in progress	6	16	112	29	3,224	36	11,596	37									
	Total	38	100	392	100	9,065	100	31,129	100									
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom		Have not decided	4	11	62	16	1,407	16	4,376	14	16%	20%	-.12	22%	-.15	22%	-.16
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	26	68	219	56	4,763	53	16,834	54								
	Plan to do	2	5	31	8	913	10	3,014	10									
	Done or in progress	6	16	79	20	1,963	22	6,855	22									
	Total	38	100	391	100	9,046	100	31,079	100									
d. Participate in a study abroad program	abroad		Have not decided	5	13	50	13	1,223	14	3,980	13	8%	7%	.02	10%	-.07	12%	-.12
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	29	76	295	75	6,282	69	21,152	68								
	Plan to do	1	3	20	5	667	7	2,403	8									
	Done or in progress	3	8	29	7	883	10	3,593	12									
	Total	38	100	394	100	9,055	100	31,128	100									
e. Work with a faculty member on a research project	research		Have not decided	6	16	57	15	1,363	15	4,359	14	21%	32%	-.25	32%	-.26	35%	-.31
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	19	50	163	41	3,354	37	11,221	36								
	Plan to do	5	13	48	12	1,402	15	4,707	15									
	Done or in progress	8	21	125	32	2,939	32	10,817	35									
	Total	38	100	393	100	9,058	100	31,104	100									
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone		Have not decided	2	5	52	13	1,043	12	3,533	11	50%	35%	.31	42%	.16	40%	.20
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	13	34	133	34	2,249	25	8,423	27								
	Plan to do	4	11	72	18	1,941	21	6,639	21									
	Done or in progress	19	50	137	35	3,829	42	12,530	40									
	Total	38	100	394	100	9,062	100	31,125	100									

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

servcourse	1	None	22	58	189	48	3,480	38	13,432	43	1.5	1.6	-.18	1.7 *	-.38	1.7	-.28
	2	Some	15	39	177	45	4,645	51	15,168	49							
	3	Most	0	0	24	6	761	8	2,073	7							
	4	All	1	3	1	0	161	2	416	1							
	Total		38	100	391	100	9,047	100	31,089	100							

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors^a in
Health & Natural Sci

				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with					
	New England Public		Nat. Public Masters										All Nat. Public					
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
13. Indicate the quality of your interactions with the following people at your institution.																		
a. Students	QIstudent	1	Poor	0	0	6	2	95	1	390	1	5.5	5.5	.04	5.6	-.05	5.5	-.02
		2		1	3	5	1	137	2	525	2							
		3		1	3	14	4	369	4	1,369	4							
		4		4	11	56	14	986	11	3,537	11							
		5		14	37	103	26	2,371	26	8,125	26							
		6		8	21	114	29	2,504	28	8,539	27							
		7	Excellent	10	26	93	24	2,554	28	8,488	27							
		—	Not applicable	0	0	2	1	67	1	222	1							
			Total	38	100	393	100	9,083	100	31,195	100							
b. Academic advisors	QIadvisor	1	Poor	1	3	18	5	503	6	1,783	6	5.6	5.1	.28	5.1	.30	5.0 *	.34
		2		0	0	29	7	503	6	1,823	6							
		3		1	3	26	7	749	8	2,775	9							
		4		6	16	56	14	1,200	13	4,323	14							
		5		8	22	71	18	1,721	19	5,927	19							
		6		6	16	65	16	1,642	18	5,724	18							
		7	Excellent	14	38	124	31	2,598	29	8,372	27							
		—	Not applicable	1	3	5	1	155	2	424	1							
			Total	37	100	394	100	9,071	100	31,151	100							
c. Faculty	QIfaculty	1	Poor	0	0	5	1	110	1	494	2	5.8	5.5	.23	5.5	.21	5.4	.28
		2		1	3	8	2	181	2	705	2							
		3		1	3	31	8	432	5	1,640	5							
		4		5	13	32	8	986	11	3,774	12							
		5		4	11	83	21	2,166	24	7,734	25							
		6		13	34	126	32	2,594	29	8,790	28							
		7	Excellent	14	37	103	26	2,529	28	7,784	25							
		—	Not applicable	0	0	3	1	44	0	153	0							
			Total	38	100	391	100	9,042	100	31,074	100							

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Public	Masters	All Nat. Public	Public	Nat. Public Masters	All Nat. Public		Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	1	3	20	5	393	4	1,510	5	5.1	4.7	.25	4.9	.12	4.8	.15
		2		2	5	26	7	434	5	1,501	5							
		3		0	0	30	8	636	7	2,376	8							
		4		7	18	59	15	1,265	14	4,393	14							
		5		11	29	65	17	1,714	19	6,119	20							
		6		6	16	59	15	1,611	18	5,462	18							
		7	Excellent	7	18	55	14	1,500	17	4,925	16							
		—	Not applicable	4	11	78	20	1,507	17	4,823	16							
		Total		38	100	392	100	9,060	100	31,109	100							
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	1	3	33	8	473	5	1,756	6	4.9	4.5	.21	4.9	.01	4.8	.07
		2		4	11	25	6	460	5	1,752	6							
		3		1	3	45	11	760	8	2,819	9							
		4		5	13	64	16	1,357	15	5,050	16							
		5		14	37	85	22	2,090	23	7,090	23							
		6		7	18	69	18	1,833	20	5,855	19							
		7	Excellent	6	16	55	14	1,665	18	5,150	17							
		—	Not applicable	0	0	17	4	428	5	1,679	5							
		Total		38	100	393	100	9,066	100	31,151	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	3	6	2	144	2	517	2	3.1	3.1	.00	3.2	-.05	3.2	-.06
		2	Some	6	16	74	19	1,491	16	5,024	16							
		3	Quite a bit	18	47	174	44	4,117	45	14,147	45							
		4	Very much	13	34	139	35	3,329	37	11,455	37							
		Total		38	100	393	100	9,081	100	31,143	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	3	8	20	5	385	4	1,443	5	2.8	2.9	-.17	3.0	-.24	3.0	-.20
		2	Some	10	26	101	26	2,029	22	7,371	24							
		3	Quite a bit	17	45	153	39	3,911	43	13,383	43							
		4	Very much	8	21	118	30	2,698	30	8,815	28							
		Total		38	100	392	100	9,023	100	31,012	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	6	16	36	9	708	8	2,404	8	2.7	2.9	-.14	2.9	-.20	2.9	-.18
		2	Some	7	18	104	27	2,130	24	7,451	24							
		3	Quite a bit	16	42	126	32	3,409	38	11,915	38							
		4	Very much	9	24	126	32	2,812	31	9,326	30							
		Total		38	100	392	100	9,059	100	31,096	100							

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors^a in
Health & Natural Sci

				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with					
													New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	10	26	62	16	1,269	14	4,634	15	2.4	2.6	-.27	2.6	-.28	2.6	-.24
		2	Some	8	21	107	27	2,760	30	9,772	31							
		3	Quite a bit	16	42	133	34	2,993	33	9,804	32							
		4	Very much	4	11	90	23	2,041	23	6,901	22							
		Total	38	100	392	100	9,063	100	31,111	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	3	8	32	8	635	7	2,209	7	2.7	2.8	-.07	2.9	-.15	2.9	-.14
		2	Some	11	29	112	29	2,349	26	8,209	26							
		3	Quite a bit	17	45	148	38	3,599	40	12,287	40							
		4	Very much	7	18	99	25	2,465	27	8,378	27							
		Total	38	100	391	100	9,048	100	31,083	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	4	11	40	10	763	8	2,663	9	2.7	2.7	.00	2.9	-.20	2.9	-.18
		2	Some	10	26	123	31	2,233	25	7,954	26							
		3	Quite a bit	18	47	149	38	3,499	39	11,810	38							
		4	Very much	6	16	80	20	2,563	28	8,659	28							
		Total	38	100	392	100	9,058	100	31,086	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	14	37	142	36	2,982	33	10,453	34	2.0	2.0	-.02	2.1	-.09	2.1	-.07
		2	Some	12	32	139	35	3,248	36	11,206	36							
		3	Quite a bit	10	26	74	19	1,868	21	6,246	20							
		4	Very much	2	5	38	10	955	11	3,174	10							
		Total	38	100	393	100	9,053	100	31,079	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	6	16	69	18	1,217	13	3,917	13	2.6	2.5	.13	2.6	.00	2.6	-.05
		2	Some	10	26	131	34	2,905	32	9,638	31							
		3	Quite a bit	15	39	123	32	3,127	35	10,912	35							
		4	Very much	7	18	67	17	1,787	20	6,577	21							
		Total	38	100	390	100	9,036	100	31,044	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	12	32	71	18	1,649	18	5,633	18	2.2	2.4	-.25	2.4	-.26	2.4	-.25
		2	Some	14	37	151	38	3,414	38	11,909	38							
		3	Quite a bit	6	16	116	30	2,659	29	9,066	29							
		4	Very much	6	16	55	14	1,322	15	4,429	14							
		Total	38	100	393	100	9,044	100	31,037	100								

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors^a in
Health & Natural Sci

				Frequency Distributions								Statistical Comparisons ^k																				
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with																			
		New England Public											Nat. Public Masters		All Nat. Public																	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ														
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 <i>(Recoded version of tmpprep created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33 Total	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	0 2 10 13 6 2 3 2 38	0 5 26 34 16 5 8 5 100	1 57 96 91 66 40 17 24 392	0 15 24 23 17 10 4 6 100	38 1,148 2,091 1,859 1,676 991 533 733 9,069	0 13 23 20 18 11 6 8 100	129 3,958 7,005 6,423 5,711 3,483 1,912 2,523 31,144	0 13 22 21 18 11 6 8 100	14.7	14.0	.08	15.0	-.04	15.1	-.05														
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33 Total	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	21 8 3 3 2 1 0 0 38	55 21 8 8 5 3 0 0 100	205 90 39 27 18 6 1 4 390	53 23 10 7 5 2 0 1 100	3,713 2,697 1,170 616 395 213 91 148 9,043	41 30 13 7 4 2 1 2 100	11,949 9,462 4,408 2,304 1,472 700 318 452 31,065	38 30 14 7 5 2 1 1 100								3.8	4.0	-.02	5.0	-.16	5.2	-.19							
c. Working for pay on campus	tmworkonhrs <i>(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33 Total	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	29 1 5 1 1 0 0 0 37	78 3 14 3 3 0 0 0 100	284 20 30 24 27 1 4 2 392	72 5 8 6 7 0 0 1 100	6,480 371 656 613 616 170 65 82 9,053	72 4 7 7 7 2 1 1 100	21,457 1,302 2,585 2,229 2,167 751 292 333 31,116	69 4 8 7 7 2 1 1 100															2.0	3.3	-.21	3.7 *	-.25	4.1 **	-.29

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Count	%	Count	%	Count	%		Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	7	18	106	27	3,606	40	13,560	44	16.0	15.7	.02	12.3	.30	11.4 *	.37
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	2	5	21	5	424	5	1,475	5							
		8	6-10 hrs	4	11	28	7	628	7	2,063	7							
		13	11-15 hrs	5	13	27	7	683	8	2,282	7							
		18	16-20 hrs	8	21	48	12	991	11	3,181	10							
		23	21-25 hrs	2	5	54	14	869	10	2,613	8							
		28	26-30 hrs	3	8	30	8	615	7	1,902	6							
		33	More than 30 hrs	7	18	78	20	1,235	14	4,010	13							
		Total			38	100	392	100	9,051	100	31,086							
Estimated number of hours working for pay	tmworkhrs											18.2	19.0	-.06	16.0	.18	15.5	.22
	(Continuous variable created by NSSE)																	
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	19	50	223	57	4,171	46	13,900	45	2.7	3.1	-.06	3.6	-.15	3.6	-.15
	(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	11	29	111	28	3,114	34	11,137	36							
		8	6-10 hrs	7	18	24	6	921	10	3,256	10							
		13	11-15 hrs	1	3	14	4	393	4	1,302	4							
		18	16-20 hrs	0	0	8	2	212	2	705	2							
		23	21-25 hrs	0	0	4	1	90	1	304	1							
		28	26-30 hrs	0	0	2	1	31	0	132	0							
		33	More than 30 hrs	0	0	6	2	107	1	318	1							
		Total			38	100	392	100	9,039	100	31,054							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	9	2	242	3	795	3	10.4	10.6	-.03	10.5	-.01	10.7	-.04
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	13	34	109	28	2,627	29	8,707	28							
		8	6-10 hrs	11	29	109	28	2,583	29	8,873	29							
		13	11-15 hrs	5	13	79	20	1,631	18	5,769	19							
		18	16-20 hrs	5	13	46	12	987	11	3,481	11							
		23	21-25 hrs	2	5	15	4	417	5	1,454	5							
		28	26-30 hrs	0	0	10	3	176	2	659	2							
		33	More than 30 hrs	2	5	14	4	391	4	1,361	4							
		Total			38	100	391	100	9,054	100	31,099							

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Count	%	Count	%	Count	%		Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean
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	26	68	240	62	6,107	68	21,568	70	5.6	5.6	-.01	4.8	.07	4.5	.11
	(Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	2	5	53	14	1,015	11	3,329	11							
		8	6-10 hrs	0	0	25	6	500	6	1,524	5							
		13	11-15 hrs	5	13	16	4	261	3	905	3							
		18	16-20 hrs	1	3	10	3	209	2	700	2							
		23	21-25 hrs	1	3	5	1	99	1	371	1							
		28	26-30 hrs	0	0	3	1	69	1	275	1							
		33	More than 30 hrs	3	8	38	10	761	8	2,361	8							
		Total			38	100	390	100	9,021	100	31,033							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	8	21	38	10	1,129	12	4,075	13	4.3	6.3	-.33	5.6	-.20	5.5	-.19
	(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	19	50	188	48	5,013	55	17,267	55							
		8	6-10 hrs	8	21	107	27	1,769	20	5,946	19							
		13	11-15 hrs	2	5	36	9	591	7	2,017	6							
		18	16-20 hrs	1	3	10	3	249	3	762	2							
		23	21-25 hrs	0	0	2	1	89	1	317	1							
		28	26-30 hrs	0	0	4	1	45	0	167	1							
		33	More than 30 hrs	0	0	7	2	178	2	572	2							
		Total			38	100	392	100	9,063	100	31,123							
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																		
reading	1	Very little	5	13	59	15	1,335	15	4,802	15	2.7	2.8	-.06	2.8	-.02	2.7	-.01	
	2	Some	13	34	103	26	2,755	30	9,394	30								
	3	About half	10	26	117	30	2,476	27	8,362	27								
	4	Most	7	18	82	21	1,767	19	6,071	19								
	5	Almost all	3	8	31	8	741	8	2,506	8								
		Total			38	100	392	100	9,074	100								31,135
tmreadinghrs												7.0	6.7	.05	7.0	.00	6.9	.00
(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)																		

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors^a in
Health & Natural Sci

				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with					
													New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
	tmreadinghrscol	1	0 hrs	0	0	1	0	38	0	129	0							
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	19	50	200	51	4,468	49	15,351	49							
		3	More than 5, up to 10 hrs	11	29	110	28	2,586	29	8,858	29							
		4	More than 10, up to 15 hrs	3	8	42	11	904	10	3,130	10							
		5	More than 15, up to 20 hrs	2	5	19	5	523	6	1,822	6							
		6	More than 20, up to 25 hrs	3	8	16	4	356	4	1,171	4							
		7	More than 25 hrs	0	0	3	1	172	2	576	2							
		Total		38	100	391	100	9,047	100	31,037	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	3	8	22	6	468	5	1,855	6	2.9	3.0	-.10	3.0	-.12	3.0	-.07
		2	Some	8	22	87	22	1,996	22	7,242	23							
		3	Quite a bit	16	43	161	41	3,659	40	12,352	40							
		4	Very much	10	27	122	31	2,925	32	9,645	31							
		Total		37	100	392	100	9,048	100	31,094	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	4	11	30	8	611	7	2,591	8	2.8	2.9	-.11	2.9	-.17	2.9	-.10
		2	Some	8	21	100	25	2,234	25	8,140	26							
		3	Quite a bit	19	50	159	40	3,532	39	11,472	37							
		4	Very much	7	18	104	26	2,688	30	8,920	29							
		Total		38	100	393	100	9,065	100	31,123	100							
c. Thinking critically and analytically	pgthink	1	Very little	2	5	8	2	182	2	708	2	3.1	3.3	-.18	3.3	-.25	3.3	-.21
		2	Some	5	13	50	13	1,081	12	3,998	13							
		3	Quite a bit	17	45	162	41	3,472	38	11,884	38							
		4	Very much	14	37	172	44	4,332	48	14,546	47							
		Total		38	100	392	100	9,067	100	31,136	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	3	8	16	4	464	5	1,666	5	2.8	3.0	-.27	3.0	-.32	3.0	-.29
		2	Some	11	29	97	25	1,991	22	6,993	22							
		3	Quite a bit	16	42	153	39	3,271	36	11,348	36							
		4	Very much	8	21	127	32	3,340	37	11,138	36							
		Total		38	100	393	100	9,066	100	31,145	100							

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k							
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		Your seniors compared with					
														New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
e. Acquiring job- or work- related knowledge and skills	pgwork	1	Very little	6	16	44	11	927	10	3,449	11	2.7	2.8	-.09	2.8	-.11	2.8	-.06	
		2	Some	8	21	98	25	2,438	27	8,789	28								
		3	Quite a bit	15	39	144	37	3,122	34	10,407	33								
		4	Very much	9	24	107	27	2,587	29	8,503	27								
		Total	38	100	393	100	9,074	100	31,148	100									
f. Working effectively with others	pgothers	1	Very little	5	13	18	5	417	5	1,677	5	2.8	3.0	-.20	3.0	-.29	3.0	-.22	
		2	Some	6	16	98	25	1,981	22	7,324	24								
		3	Quite a bit	19	50	157	40	3,497	39	12,049	39								
		4	Very much	8	21	118	30	3,156	35	10,062	32								
		Total	38	100	391	100	9,051	100	31,112	100									
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	7	18	50	13	1,000	11	3,801	12	2.7	2.7	-.08	2.8	-.14	2.8	-.10	
		2	Some	8	21	102	26	2,381	26	8,413	27								
		3	Quite a bit	14	37	142	36	3,153	35	10,473	34								
		4	Very much	9	24	99	25	2,527	28	8,449	27								
		Total	38	100	393	100	9,061	100	31,136	100									
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	9	24	49	13	894	10	3,211	10	2.5	2.8	-.26	2.8	-.31	2.8	-.29	
		2	Some	9	24	95	24	2,479	27	8,531	27								
		3	Quite a bit	11	29	139	35	3,012	33	10,328	33								
		4	Very much	9	24	109	28	2,679	30	9,065	29								
		Total	38	100	392	100	9,064	100	31,135	100									
i. Solving complex real- world problems	pgprobsolve	1	Very little	7	18	43	11	876	10	3,228	10	2.6	2.7	-.16	2.8	-.21	2.7	-.17	
		2	Some	11	29	114	29	2,623	29	9,266	30								
		3	Quite a bit	11	29	140	36	3,203	35	10,873	35								
		4	Very much	9	24	95	24	2,360	26	7,747	25								
		Total	38	100	392	100	9,062	100	31,114	100									
j. Being an informed and active citizen	pgcitizen	1	Very little	8	21	62	16	1,168	13	4,259	14	2.5	2.6	-.15	2.7	-.17	2.6	-.15	
		2	Some	10	26	109	28	2,787	31	9,621	31								
		3	Quite a bit	13	34	124	32	2,958	33	9,961	32								
		4	Very much	7	18	96	25	2,126	24	7,189	23								
		Total	38	100	391	100	9,039	100	31,030	100									

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

Frequencies and Statistical Comparisons: Health & Natural Sci

Fitchburg State University

Seniors^a in Health & Natural Sci

Seniors ^a in Health & Natural Sci				Frequency Distributions								Statistical Comparisons ^k						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with					
													New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
18. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	2	5	13	3	193	2	712	2	3.3	3.1	.24	3.2	.06	3.2	.08
		2	Fair	5	13	59	15	1,101	12	3,851	12							
		3	Good	11	29	197	50	4,065	45	14,089	45							
		4	Excellent	20	53	124	32	3,720	41	12,509	40							
		Total		38	100	393	100	9,079	100	31,161	100							
19. If you could start over again, would you go to the same institution you are now attending?																		
	sameinst	1	Definitely no	3	8	22	6	403	4	1,441	5	3.2	3.1	.16	3.2	.00	3.2	.00
		2	Probably no	6	16	69	18	1,219	13	4,138	13							
		3	Probably yes	9	24	162	41	3,553	39	12,135	39							
		4	Definitely yes	20	53	139	35	3,904	43	13,493	43							
		Total		38	100	392	100	9,079	100	31,207	100							

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

Respondent Profile: Health & Natural Sci

Fitchburg State University

Health & Natural Sci

			First-Year Students ^a								Seniors ^a							
			Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
20a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One	14	88	243	85	5,747	84	19,536	81	36	95	320	81	7,569	83	25,065	80
		More than one	2	13	44	15	1,111	16	4,633	19	2	5	74	19	1,534	17	6,213	20
		Total	16	100	287	100	6,858	100	24,169	100	38	100	394	100	9,103	100	31,278	100
First major or expected first major, in NSSE's default related-major categories. (This does not reflect any customization made for the Major Field Report.)	MAJfirstcol (Recoded from MAJfirst.)	Arts & Humanities	2	13	0	0	43	1	188	1	0	0	5	1	50	1	240	1
		Biological Sci., Agriculture, & Natural Resources	6	38	92	32	2,410	35	9,265	38	11	29	106	27	2,351	26	9,382	30
		Physical Sci., Mathematics, & Computer Science	1	6	19	7	718	10	2,926	12	0	0	43	11	1,060	12	3,884	12
		Social Sciences	3	19	109	38	1,892	28	6,167	26	9	24	149	38	3,053	34	9,814	31
		Business	0	0	1	0	37	1	190	1	1	3	1	0	37	0	174	1
		Communications, Media, & Public Relations	0	0	0	0	5	0	35	0	0	0	1	0	14	0	60	0
		Education	0	0	14	5	53	1	139	1	0	0	15	4	65	1	198	1
		Engineering	0	0	0	0	24	0	140	1	0	0	1	0	28	0	206	1
		Health Professions	4	25	38	13	1,371	20	4,176	17	17	45	53	13	1,992	22	5,994	19
		Social Service Professions	0	0	2	1	67	1	206	1	0	0	3	1	73	1	268	1
		All Other	0	0	11	4	235	3	729	3	0	0	17	4	380	4	1,055	3
		Undecided, Undeclared	0	0	0	0	2	0	5	0	0	0	0	0	0	0	0	0
		Total	16	100	286	100	6,857	100	24,166	100	38	100	394	100	9,103	100	31,275	100
Second major or expected second major, in NSSE's default related-major categories. (This does not reflect any customization made for the Major Field Report.)	MAJsecondcol (Recoded from MAJsecond.)	Arts & Humanities	0	0	5	11	112	10	444	10	0	0	3	4	138	9	547	9
		Biological Sci., Agriculture, & Natural Resources	0	0	4	9	119	11	576	12	0	0	3	4	200	13	866	14
		Physical Sci., Mathematics, & Computer Science	1	50	5	11	182	16	910	20	0	0	12	16	241	16	1,124	18
		Social Sciences	1	50	23	52	313	28	1,287	28	1	50	40	55	451	30	1,923	31
		Business	0	0	1	2	44	4	237	5	1	50	0	0	44	3	187	3
		Communications, Media, & Public Relations	0	0	0	0	17	2	56	1	0	0	1	1	17	1	76	1
		Education	0	0	1	2	33	3	124	3	0	0	3	4	67	4	154	2
		Engineering	0	0	0	0	13	1	39	1	0	0	1	1	7	0	54	1
		Health Professions	0	0	3	7	149	13	514	11	0	0	8	11	219	14	763	12
		Social Service Professions	0	0	2	5	77	7	241	5	0	0	1	1	72	5	244	4
		All Other	0	0	0	0	30	3	126	3	0	0	1	1	54	4	196	3
		Undecided, Undeclared	0	0	0	0	19	2	68	1	0	0	0	0	17	1	62	1
		Total	2	100	44	100	1,108	100	4,622	100	2	100	73	100	1,527	100	6,196	100

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

Respondent Profile: Health & Natural Sci

Fitchburg State University

Health & Natural Sci

			First-Year Students ^a								Seniors ^a							
			Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21. What is your class level?	class	Freshman/First-year	16	100	271	94	5,918	87	20,835	87	0	0	1	0	7	0	41	0
		Sophomore	0	0	15	5	795	12	2,657	11	0	0	1	0	32	0	194	1
		Junior	0	0	0	0	78	1	394	2	0	0	16	4	454	5	2,187	7
		Senior	0	0	1	0	23	0	99	0	34	89	360	92	8,376	93	28,079	90
		Unclassified	0	0	0	0	17	0	67	0	4	11	13	3	185	2	608	2
		Total	16	100	287	100	6,831	100	24,052	100	38	100	391	100	9,054	100	31,109	100
22. Thinking about this current academic term, are you a full-time student?	fulltime	No	0	0	9	3	162	2	672	3	8	21	99	25	1,627	18	5,486	18
		Yes	15	100	275	97	6,627	98	23,232	97	30	79	292	75	7,371	82	25,419	82
		Total	15	100	284	100	6,789	100	23,904	100	38	100	391	100	8,998	100	30,905	100
23a. How many courses are you taking for credit this current academic term?	coursenum	0	0	0	1	0	24	0	73	0	3	8	11	3	235	3	640	2
		1	0	0	0	0	25	0	83	0	1	3	27	7	340	4	1,089	3
		2	0	0	6	2	54	1	197	1	4	11	37	9	685	8	2,193	7
		3	0	0	11	4	319	5	862	4	6	16	65	17	1,145	13	3,569	11
		4	3	19	81	28	1,950	29	6,720	28	14	37	132	34	2,706	30	9,374	30
		5	12	75	133	46	2,787	41	9,577	40	7	18	78	20	2,217	24	8,076	26
		6	1	6	39	14	1,010	15	3,977	17	1	3	25	6	868	10	3,298	11
		7 or more	0	0	16	6	663	10	2,578	11	2	5	17	4	871	10	2,892	9
		Total	16	100	287	100	6,832	100	24,067	100	38	100	392	100	9,067	100	31,131	100
b. Of these, how many are entirely online?	onlinenum	0	16	100	248	87	5,584	82	19,245	80	29	76	284	73	6,304	70	20,732	67
		1	0	0	27	9	895	13	3,369	14	5	13	76	19	1,655	18	5,886	19
		2	0	0	5	2	199	3	800	3	1	3	23	6	613	7	2,375	8
		3	0	0	3	1	67	1	304	1	2	5	4	1	235	3	981	3
		4	0	0	1	0	31	0	112	0	1	3	2	1	119	1	554	2
		5	0	0	0	0	9	0	57	0	0	0	1	0	41	0	212	1
		6	0	0	0	0	6	0	22	0	0	0	1	0	29	0	134	0
		7 or more	0	0	1	0	5	0	25	0	0	0	0	0	30	0	112	0
		Total	16	100	285	100	6,796	100	23,934	100	38	100	391	100	9,026	100	30,986	100
Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum.)	onlinecrscol	No courses taken online	16	100	248	87	5,583	82	19,242	80	29	76	284	73	6,304	70	20,732	67
		Some courses taken online	0	0	35	12	1,151	17	4,388	18	8	21	96	25	2,295	25	8,587	28
		All courses taken online	0	0	2	1	61	1	301	1	1	3	11	3	427	5	1,667	5
		Total	16	100	285	100	6,795	100	23,931	100	38	100	391	100	9,026	100	30,986	100

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

Respondent Profile: Health & Natural Sci

Fitchburg State University

Health & Natural Sci

Health & Natural Sci			First-Year Students ^a								Seniors ^a							
			Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
24. What have most of your grades been up to now at this institution?	grades	C- or lower	0	0	9	3	134	2	459	2	0	0	2	1	41	0	147	0
		C	0	0	15	5	200	3	654	3	0	0	7	2	226	2	712	2
		C+	0	0	16	6	320	5	1,186	5	1	3	11	3	454	5	1,417	5
		B-	3	19	14	5	449	7	1,592	7	3	8	29	7	659	7	2,228	7
		B	3	19	55	19	1,306	19	4,241	18	3	8	51	13	1,732	19	5,848	19
		B+	8	50	71	25	1,391	20	4,515	19	18	47	93	24	1,726	19	5,802	19
		A-	0	0	59	21	1,304	19	4,713	20	8	21	100	26	1,665	18	5,799	19
		A	2	13	47	16	1,716	25	6,653	28	5	13	98	25	2,545	28	9,125	29
Total	16	100	286	100	6,820	100	24,013	100	38	100	391	100	9,048	100	31,078	100		
25. Did you begin college at this institution or elsewhere?	begincol	Started here	16	100	272	95	6,324	93	22,087	92	23	61	182	47	4,542	50	16,973	55
		Started elsewhere	0	0	14	5	486	7	1,917	8	15	39	209	53	4,496	50	14,063	45
		Total	16	100	286	100	6,810	100	24,004	100	38	100	391	100	9,038	100	31,036	100
26. Since graduating from high school, which of the following types of schools have you attended <i>other than</i> the one you are now attending? (Select all that apply.)	attend_voc	Vocational or technical school	1	6	9	3	137	2	531	2	4	11	17	4	545	6	1,731	6
	attend_com	Community or junior college	0	0	14	5	511	8	1,958	8	8	22	156	40	4,250	47	12,841	41
	attend_col	4-year college or university other than this one	1	6	24	8	566	8	2,045	9	10	27	131	34	2,270	25	8,121	26
	attend_none	None	14	88	238	83	5,508	81	19,153	80	18	49	138	36	3,293	37	12,474	40
	attend_other	Other	0	0	3	1	161	2	599	3	1	3	17	4	268	3	892	3
27. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree	2	13	11	4	419	6	1,352	6	1	3	19	5	488	5	1,562	5
		Bachelor's degree (B.A., B.S., etc.)	1	6	72	25	1,207	18	4,030	17	7	18	87	22	1,835	20	5,937	19
		Master's degree (M.A., M.S., etc.)	10	63	105	37	2,240	33	7,183	30	21	55	156	40	3,400	38	10,867	35
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	3	19	98	34	2,925	43	11,387	48	9	24	128	33	3,308	37	12,660	41
		Total	16	100	286	100	6,791	100	23,952	100	38	100	390	100	9,031	100	31,026	100

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

Respondent Profile: Health & Natural Sci

Fitchburg State University

Health & Natural Sci

			First-Year Students ^a								Seniors ^a							
			Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
28. What is the highest level of education completed by either of your parents (or those who raised you)?	parented	Did not finish high school	1	6	19	7	495	7	1,445	6	0	0	17	4	653	7	1,913	6
		High school diploma or G.E.D.	4	25	73	26	1,279	19	4,061	17	14	38	107	28	1,799	20	5,638	18
		Attended college, but did not complete degree	3	19	46	16	869	13	2,728	11	3	8	52	13	1,166	13	3,543	11
		Associate's degree (A.A., A.S., etc.)	4	25	37	13	768	11	2,442	10	6	16	51	13	1,091	12	3,405	11
		Bachelor's degree (B.A., B.S., etc.)	3	19	77	27	1,802	27	6,583	28	9	24	94	24	2,396	27	8,431	27
		Master's degree (M.A., M.S., etc.)	1	6	22	8	1,216	18	4,800	20	5	14	55	14	1,418	16	5,584	18
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	0	0	11	4	349	5	1,806	8	0	0	11	3	480	5	2,422	8
		Total	16	100	285	100	6,778	100	23,865	100	37	100	387	100	9,003	100	30,936	100
First-generation status (Neither parent holds a bachelor's degree.)	firstgen (Recoded from parented.)	Not first-generation	4	25	110	39	3,367	50	13,189	55	14	38	160	41	4,294	48	16,437	53
		First-generation	12	75	175	61	3,411	50	10,676	45	23	62	227	59	4,709	52	14,499	47
		Total	16	100	285	100	6,778	100	23,865	100	37	100	387	100	9,003	100	30,936	100
29. What is your gender identity?	genderid	Man	4	25	66	23	1,684	25	6,438	27	9	24	103	27	2,646	29	9,298	30
		Woman	12	75	218	76	5,020	74	17,157	72	29	76	276	71	6,231	69	21,175	68
		Another gender identity	0	0	0	0	44	1	181	1	0	0	5	1	59	1	216	1
		I prefer not to respond	0	0	2	1	54	1	192	1	0	0	4	1	98	1	346	1
		Total	16	100	286	100	6,802	100	23,968	100	38	100	388	100	9,034	100	31,035	100
30. Enter your year of birth (e.g., 1994):	agecat (Recoded from the information entered in birthyear.)	19 or younger	15	94	269	95	6,265	93	21,956	92	0	0	1	0	54	1	301	1
		20-23	1	6	10	4	357	5	1,363	6	29	76	233	61	5,961	67	21,338	69
		24-29	0	0	2	1	71	1	253	1	4	11	89	23	1,745	19	5,404	18
		30-39	0	0	2	1	41	1	165	1	2	5	37	10	755	8	2,347	8
		40-55	0	0	1	0	21	0	74	0	2	5	18	5	381	4	1,219	4
		Over 55	0	0	0	0	2	0	13	0	1	3	4	1	54	1	182	1
		Total	16	100	284	100	6,757	100	23,824	100	38	100	382	100	8,950	100	30,791	100
31a. Are you an international student?	internat	No	16	100	279	98	6,604	98	22,955	97	38	100	377	97	8,780	98	30,020	98
		Yes	0	0	6	2	169	2	832	3	0	0	10	3	171	2	716	2
		Total	16	100	285	100	6,773	100	23,787	100	38	100	387	100	8,951	100	30,736	100
	countrycol (Recoded from country.)	Africa Sub-Saharan	0	0	0	0	12	8	60	8	0	0	0	0	10	6	55	8
		Asia	0	0	2	40	67	45	440	57	0	0	2	22	62	39	312	46
		Canada	0	0	0	0	6	4	23	3	0	0	0	0	14	9	47	7
		Europe	0	0	2	40	29	19	89	11	0	0	4	44	31	19	86	13
		Latin America and Caribbean	0	0	0	0	18	12	108	14	0	0	2	22	28	17	119	18
		Middle East and North Africa	0	0	1	20	16	11	51	7	0	0	1	11	12	7	40	6
		Oceania	0	0	0	0	2	1	7	1	0	0	0	0	4	2	13	2
		Unknown region/uncoded	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	5	100	150	100	778	100	0	0	9	100	161	100	672	100
		[If answered "yes"] Country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file.																

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

Respondent Profile: Health & Natural Sci

Fitchburg State University

Health & Natural Sci

			First-Year Students ^a								Seniors ^a							
			Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
32. What is your racial or ethnic identification? (Select all that apply.)	re_amind	American Indian or Alaska Native	0	0	6	2	140	2	543	2	1	3	5	1	216	2	718	2
	re_asian	Asian	0	0	10	3	645	10	2,764	12	1	3	11	3	809	9	2,971	10
	re_black	Black or African American	2	13	38	13	830	12	3,204	13	2	5	33	8	828	9	3,139	10
	re_latino	Hispanic or Latino	2	13	40	14	1,168	17	3,865	16	4	11	33	8	1,207	13	4,253	14
	re_pacific	Native Hawaiian or Other Pacific Islander	0	0	0	0	97	1	279	1	0	0	3	1	113	1	300	1
	re_white	White	11	69	196	69	4,278	63	14,801	62	28	74	304	78	6,126	68	20,609	67
	re_other	Other	1	6	6	2	155	2	552	2	1	3	11	3	249	3	845	3
	re_pnr	I prefer not to respond	0	0	9	3	156	2	543	2	3	8	14	4	302	3	1,090	4
	re_all	American Indian or Alaska Native	0	0	1	0	36	1	121	1	0	0	0	0	45	0	164	1
	re_pnr	Asian	0	0	9	3	505	7	2,211	9	1	3	9	2	632	7	2,361	8
Racial or ethnic identification (Recoded from re_amind to re_pnr where each student is represented only once.)	re_amind to re_pnr	Black or African American	2	13	35	12	640	9	2,513	11	1	3	26	7	652	7	2,531	8
	re_pnr	Hispanic or Latino	2	13	29	10	911	13	2,818	12	4	11	23	6	914	10	3,106	10
	re_pnr	Native Hawaiian/Other Pac. Islander	0	0	0	0	34	1	77	0	0	0	2	1	34	0	88	0
	re_pnr	White	11	69	180	63	3,826	56	13,008	54	27	71	287	74	5,528	61	18,487	60
	re_pnr	Other	1	6	5	2	95	1	315	1	0	0	5	1	162	2	510	2
	re_pnr	Multiracial	0	0	18	6	580	9	2,272	10	2	5	23	6	734	8	2,583	8
	re_pnr	I prefer not to respond	0	0	9	3	156	2	543	2	3	8	14	4	302	3	1,090	4
	re_pnr	Total	16	100	286	100	6,783	100	23,878	100	38	100	389	100	9,003	100	30,920	100
	re_pnr	American Indian or Alaska Native	0	0	1	0	36	1	121	1	0	0	0	0	45	0	164	1
	re_pnr	Asian	0	0	9	3	505	7	2,211	9	1	3	9	2	632	7	2,361	8
33. Are you a member of a social fraternity or sorority?	greek	No	15	94	276	97	6,222	92	21,756	91	37	97	358	92	8,156	90	27,767	90
	greek	Yes	1	6	10	3	564	8	2,145	9	1	3	30	8	872	10	3,196	10
	greek	Total	16	100	286	100	6,786	100	23,901	100	38	100	388	100	9,028	100	30,963	100
	greek	Total	16	100	286	100	6,786	100	23,901	100	38	100	388	100	9,028	100	30,963	100
34. Which of the following best describes where you are living while attending college?	living	Residence hall, dormitory or other camp.	13	81	176	63	4,237	63	15,632	66	11	29	60	15	878	10	3,488	11
	living	Fraternity or sorority house	0	0	0	0	22	0	118	0	0	0	0	0	60	1	322	1
	living	Residence (house, apartment, etc.) within walking distance to the institution	1	6	10	4	450	7	1,645	7	5	13	43	11	2,387	27	8,285	27
	living	Residence (house, apartment, etc.) farther than walking distance to the institution	2	13	71	25	1,751	26	5,533	23	17	45	254	65	5,219	58	17,398	56
	living	None of the above	0	0	24	9	302	4	889	4	5	13	32	8	450	5	1,392	5
	living	Total	16	100	281	100	6,762	100	23,817	100	38	100	389	100	8,994	100	30,885	100
	living	Total	16	100	281	100	6,762	100	23,817	100	38	100	389	100	8,994	100	30,885	100
35. Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	15	94	251	89	6,263	93	22,216	93	37	97	371	96	8,529	95	29,424	95
	athlete	Yes	1	6	30	11	499	7	1,607	7	1	3	17	4	438	5	1,398	5
	athlete	Total	16	100	281	100	6,762	100	23,823	100	38	100	388	100	8,967	100	30,822	100

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

Respondent Profile: Health & Natural Sci

Fitchburg State University

Health & Natural Sci

			First-Year Students ^a								Seniors ^a							
			Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
36. Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No	16	100	278	99	6,675	99	23,472	99	36	95	376	96	8,656	96	29,732	96
		Yes	0	0	2	1	84	1	354	1	2	5	14	4	323	4	1,138	4
		Total	16	100	280	100	6,759	100	23,826	100	38	100	390	100	8,979	100	30,870	100
37a. Have you been diagnosed with any disability or impairment?	disability	No	13	81	236	83	5,872	86	20,612	86	29	76	309	80	7,519	83	25,801	83
		Yes	2	13	32	11	694	10	2,569	11	7	18	60	16	1,196	13	4,110	13
		I prefer not to respond	1	6	15	5	223	3	731	3	2	5	18	5	300	3	1,033	3
		Total	16	100	283	100	6,789	100	23,912	100	38	100	387	100	9,015	100	30,944	100
b. [If answered "yes"] Which of the following has been diagnosed? (Select all that apply.)	dis_sense	A sensory impairment (vision or hearing)	0	0	2	6	101	15	356	14	0	0	5	8	124	10	418	10
	dis_mobility	A mobility impairment	0	0	0	0	39	6	153	6	1	14	6	10	116	10	360	9
	dis_learning	A learning disability (e.g., ADHD, dyslexia)	1	50	12	38	249	36	938	37	4	57	30	50	528	44	1,752	43
	dis_mental	A mental health disorder	1	50	17	53	364	53	1,296	51	2	29	36	60	559	47	1,962	48
	dis_other	A disability or impairment not listed above	0	0	8	25	110	16	403	16	3	43	8	13	199	17	735	18
Disability or impairment	disability_all	A sensory impairment	0	0	2	1	69	1	238	1	0	0	1	0	72	1	227	1
		A mobility impairment	0	0	0	0	14	0	77	0	0	0	4	1	53	1	175	1
	(Recoded from disability and dis_sense to dis_other where each student is represented only once.)	A learning disability	1	6	7	2	153	2	603	3	3	8	13	3	328	4	1,085	4
		A mental health disorder	1	6	12	4	242	4	878	4	1	3	18	5	348	4	1,214	4
		A disability or impairment not listed	0	0	5	2	66	1	250	1	1	3	3	1	116	1	440	1
		More than one disability or impairment	0	0	6	2	146	2	508	2	2	5	21	5	275	3	954	3
		No disability or impairment	13	81	236	83	5,872	87	20,612	86	29	76	309	80	7,519	83	25,801	83
		Prefer not to respond	1	6	15	5	223	3	731	3	2	5	18	5	300	3	1,033	3
		Total	16	100	283	100	6,785	100	23,897	100	38	100	387	100	9,011	100	30,929	100
38. Which of the following best describes your sexual orientation?	sexorient17	Straight (heterosexual)	13	81	177	83	4,001	86	13,970	86	35	92	283	85	5,538	87	18,204	86
		Bisexual	2	13	13	6	256	6	912	6	2	5	17	5	282	4	1,049	5
		Gay	0	0	2	1	54	1	193	1	0	0	6	2	101	2	342	2
		Lesbian	0	0	2	1	55	1	186	1	0	0	6	2	99	2	291	1
		Queer	0	0	2	1	25	1	100	1	0	0	2	1	39	1	150	1
		Questioning or unsure	0	0	3	1	59	1	211	1	0	0	2	1	36	1	182	1
		Another sexual orientation	1	6	4	2	65	1	244	1	0	0	8	2	82	1	276	1
		I prefer not to respond	0	0	10	5	129	3	454	3	1	3	10	3	224	3	740	3
		Total	16	100	213	100	4,644	100	16,270	100	38	100	334	100	6,401	100	21,234	100

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

Respondent Profile: Health & Natural Sci

Fitchburg State University





Health & Natural Sci

			First-Year Students ^a								Seniors ^a							
			Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Institution-reported information																		
(Variables provided by your institution in your NSSE population file.)																		
Institution-reported: Sex	IRsex	Female	12	75	221	77	5,131	75	17,550	73	30	79	287	73	6,383	70	21,711	69
		Male	4	25	66	23	1,727	25	6,619	27	8	21	107	27	2,717	30	9,563	31
		Total	16	100	287	100	6,858	100	24,169	100	38	100	394	100	9,100	100	31,274	100
Institution-reported: Race or ethnicity	IRrace	American Indian or Alaska Native	0	0	2	1	35	1	133	1	0	0	0	0	60	1	207	1
		Asian	0	0	9	3	355	6	1,559	7	1	3	9	2	502	6	1,882	7
		Black or African American	3	19	37	14	620	11	2,370	11	3	8	30	8	644	8	2,454	9
		Hispanic or Latino	2	13	35	13	982	17	3,267	15	4	11	30	8	1,010	13	3,658	13
		Native Hawaiian/Other Pac. Islander	0	0	0	0	19	0	44	0	0	0	0	0	12	0	56	0
		White	11	69	165	63	3,280	56	11,713	55	28	74	284	74	4,945	62	17,089	61
		Other	0	0	0	0	17	0	18	0	0	0	0	0	13	0	13	0
		Foreign or nonresident alien	0	0	3	1	140	2	657	3	0	0	5	1	153	2	592	2
		Two or more races/ethnicities	0	0	6	2	228	4	881	4	2	5	6	2	311	4	999	4
		Unknown	0	0	6	2	148	3	513	2	0	0	19	5	279	4	845	3
		Total	16	100	263	100	5,824	100	21,155	100	38	100	383	100	7,929	100	27,795	100
Institution-reported: Class level	IRclass	Freshman/First-Year	16	100	287	100	6,858	100	24,169	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	38	100	394	100	9,103	100	31,278	100
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	16	100	287	100	6,858	100	24,169	100	38	100	394	100	9,103	100	31,278	100
Institution-reported: First-time first-year (FTFY) student	IRftfy	Not first-time first-year	0	0	19	7	693	10	2,557	11	38	100	394	100	8,988	99	31,021	99
		First-time first-year	16	100	268	93	6,165	90	21,612	89	0	0	0	0	115	1	257	1
		Total	16	100	287	100	6,858	100	24,169	100	38	100	394	100	9,103	100	31,278	100
Institution-reported: Enrollment status	IRenrollment	Not full-time	0	0	4	1	310	5	842	3	4	11	93	24	1,511	17	5,117	16
		Full-time	16	100	283	99	6,548	95	23,327	97	34	89	301	76	7,592	83	26,161	84
		Total	16	100	287	100	6,858	100	24,169	100	38	100	394	100	9,103	100	31,278	100

Endnotes

- a. All results are unweighted.
- b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.
- c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean $\pm 1.96 \times \text{SEM}$.
- d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.
- e. Degrees of freedom used to compute the t -tests. Values differ from Ns due to whether equal variances were assumed.
- f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance: $*p < .05$, $**p < .01$, $***p < .001$ (2-tailed).
- g. Cohen's d : The mean difference divided by the pooled standard deviation. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview.
- h. Percentage of students who responded "Done or in progress" except for service-learning which is the percentage who responded that at least "Some" courses included a community-based project.
- i. 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., & Gonyea, R. M. (2015). Contextualizing student engagement effect sizes: An empirical analysis. Paper presented at the Association for Institutional Research Annual Forum, Denver, CO.