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# **Fitchburg State University**

## ***NSSE 2017 Major Field Report, Part II***

### ***Comparisons to Other Institutions***

### **Business and Tech**

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*Comparing your students majoring in the fields shown below to those  
in the same fields at your comparison group institutions*

*The Major Field Report group 'Business and Tech' includes the following majors: Accounting; Architecture; Business administration; Computer information systems; Computer science; Finance; Industrial engineering; Management; Marketing; Other business; Other computer science and technology; Other engineering; Professional studies (general).*

*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: Business and Tech.

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

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

### Related-Major Groups

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

### Sample

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

### Class

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

### Technical Requirements

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

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

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

### Engagement Indicators: Overview

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

Use the following key:

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

Theme	Engagement Indicator	First-Year Students in Business and Tech			Seniors in Business and Tech		
		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: Business and Tech

### Fitchburg State University

## First-year students<sup>a</sup> in Business and Tech

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
Fitchburg State (N = 31)	36.6	12.9	2.32	15	25	35	45	55				
New England Public	35.1	13.1	.93	15	25	35	40	60	227	1.5		.116
Nat. Public Masters	37.3	13.0	.17	15	30	40	45	60	5,799	-.6		-.050
All Nat. Public	37.5	13.0	.09	20	30	40	45	60	21,913	-.9		-.067
<b>Reflective &amp; Integrative Learning</b>												
Fitchburg State (N = 31)	33.5	13.0	2.34	17	20	31	43	57				
New England Public	32.2	12.6	.88	14	23	31	40	57	231	1.3		.102
Nat. Public Masters	34.3	11.8	.15	17	26	34	40	57	5,897	-.8		-.071
All Nat. Public	34.2	11.7	.08	17	26	34	40	57	22,256	-.8		-.064
<b>Learning Strategies</b>												
Fitchburg State (N = 31)	32.9	16.5	2.96	7	20	27	47	60				
New England Public	35.1	12.5	.88	20	27	33	40	60	35	-2.2		-.167
Nat. Public Masters	37.3	13.5	.18	13	27	40	47	60	5,836	-4.4		-.323
All Nat. Public	37.3	13.6	.09	13	27	40	47	60	22,005	-4.4		-.327
<b>Quantitative Reasoning</b>												
Fitchburg State (N = 31)	25.8	17.4	3.13	0	13	20	40	53				
New England Public	28.8	15.0	1.06	0	20	27	40	60	229	-3.0		-.197
Nat. Public Masters	29.0	14.9	.20	7	20	27	40	60	5,823	-3.2		-.216
All Nat. Public	29.2	14.9	.10	7	20	27	40	60	21,991	-3.4		-.225
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
Fitchburg State (N = 31)	29.8	12.5	2.24	10	20	25	40	50				
New England Public	28.4	13.2	.93	10	20	25	35	55	230	1.5		.113
Nat. Public Masters	32.1	13.5	.18	10	20	30	40	55	5,863	-2.2		-.165
All Nat. Public	33.1	13.8	.09	10	25	35	40	60	22,072	-3.3		-.240
<b>Discussions with Diverse Others</b>												
Fitchburg State (N = 31)	34.7	17.1	3.07	10	20	40	50	60				
New England Public	37.8	15.1	1.06	20	25	40	50	60	230	-3.1		-.203
Nat. Public Masters	38.9	15.5	.20	15	30	40	55	60	5,847	-4.2		-.273
All Nat. Public	39.4	15.4	.10	15	30	40	55	60	22,061	-4.7		-.307

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

## Engagement Indicators: Business and Tech

### Fitchburg State University

#### First-year students<sup>a</sup> in Business and Tech

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
Fitchburg State (N = 31)	21.3	15.8	2.83	0	5	20	30	50				
New England Public	19.8	14.1	1.00	0	10	20	25	45	227	1.5		.104
Nat. Public Masters	19.8	14.2	.19	0	10	20	30	45	5,819	1.5		.103
All Nat. Public	20.0	14.3	.10	0	10	20	30	45	21,980	1.3		.092
<b>Effective Teaching Practices</b>												
Fitchburg State (N = 31)	37.3	11.7	2.11	20	24	40	48	56				
New England Public	35.1	13.1	.92	16	25	36	44	60	230	2.2		.171
Nat. Public Masters	38.4	12.9	.17	16	28	40	48	60	5,899	-1.2		-.090
All Nat. Public	38.1	12.7	.09	16	28	40	48	60	22,257	-.9		-.067
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
Fitchburg State (N = 31)	34.6	16.6	2.99	6	18	40	46	60				
New England Public	39.5	12.1	.87	20	32	40	50	58	35	-4.9		-.380
Nat. Public Masters	40.7	12.3	.16	18	32	42	50	60	30	-6.1		-.490
All Nat. Public	41.0	12.4	.08	18	34	42	50	60	30	-6.3	*	-.512
<b>Supportive Environment</b>												
Fitchburg State (N = 31)	35.6	12.8	2.31	15	25	38	40	60				
New England Public	34.0	14.0	1.00	10	25	35	43	58	227	1.5		.110
Nat. Public Masters	35.7	13.5	.18	15	25	35	45	60	5,881	-.2		-.012
All Nat. Public	36.1	13.4	.09	15	28	38	45	60	22,191	-.5		-.038

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

## Engagement Indicators: Business and Tech

### Fitchburg State University

## Seniors<sup>a</sup> in Business and Tech

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
Fitchburg State (N = 53)	37.1	12.8	1.75	15	30	35	45	60				
New England Public	36.5	14.9	.82	10	25	40	45	60	381	.6		.043
Nat. Public Masters	38.1	13.7	.14	15	30	40	50	60	9,764	-1.0		-.075
All Nat. Public	38.1	13.7	.08	15	30	40	45	60	32,411	-1.1		-.077
<b>Reflective &amp; Integrative Learning</b>												
Fitchburg State (N = 53)	35.6	13.1	1.80	20	26	31	43	60				
New England Public	34.5	12.5	.69	14	26	34	43	57	382	1.0		.084
Nat. Public Masters	35.9	12.2	.12	17	29	34	43	57	9,883	-.3		-.027
All Nat. Public	35.7	12.2	.07	17	26	34	43	57	32,824	-.2		-.013
<b>Learning Strategies</b>												
Fitchburg State (N = 52)	36.4	13.9	1.92	20	23	40	40	60				
New England Public	36.7	15.0	.82	7	27	40	47	60	380	-.3		-.021
Nat. Public Masters	37.5	14.4	.15	13	27	40	47	60	9,793	-1.1		-.075
All Nat. Public	37.1	14.4	.08	13	27	40	47	60	32,484	-.7		-.047
<b>Quantitative Reasoning</b>												
Fitchburg State (N = 53)	30.4	17.7	2.43	0	20	27	40	60				
New England Public	28.3	15.2	.83	0	20	27	40	60	381	2.1		.138
Nat. Public Masters	31.2	15.5	.16	7	20	33	40	60	9,772	-.8		-.050
All Nat. Public	31.6	15.6	.09	7	20	33	40	60	32,478	-1.1		-.074
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
Fitchburg State (N = 53)	31.6	12.9	1.77	10	25	30	40	50				
New England Public	30.9	13.5	.74	10	20	30	40	55	383	.7		.051
Nat. Public Masters	33.4	13.9	.14	10	25	35	45	60	9,816	-1.8		-.131
All Nat. Public	33.9	14.1	.08	10	25	35	45	60	32,592	-2.3		-.163
<b>Discussions with Diverse Others</b>												
Fitchburg State (N = 52)	35.5	17.0	2.36	0	23	35	50	60				
New England Public	37.3	16.6	.91	5	25	40	50	60	381	-1.8		-.110
Nat. Public Masters	39.8	16.1	.16	10	30	40	55	60	9,811	-4.3		-.267
All Nat. Public	40.1	16.1	.09	15	30	40	55	60	32,553	-4.6	*	-.287

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

## Engagement Indicators: Business and Tech

### Fitchburg State University

## Seniors<sup>a</sup> in Business and Tech

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
Fitchburg State (N = 53)	26.9	15.0	2.06	0	20	25	35	60				
New England Public	20.1	15.3	.84	0	10	15	30	50	382	6.8	**	.441
Nat. Public Masters	21.1	15.5	.16	0	10	20	30	50	9,803	5.8	**	.373
All Nat. Public	21.3	15.5	.09	0	10	20	30	50	32,489	5.5	**	.357
<b>Effective Teaching Practices</b>												
Fitchburg State (N = 53)	39.5	13.6	1.87	20	28	40	52	60				
New England Public	37.1	14.2	.78	16	28	36	48	60	384	2.4		.170
Nat. Public Masters	38.4	13.6	.14	16	28	40	48	60	9,894	1.0		.076
All Nat. Public	38.2	13.5	.07	16	28	40	48	60	32,854	1.2		.091
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
Fitchburg State (N = 51)	43.6	11.6	1.63	23	34	45	52	60				
New England Public	39.8	13.6	.77	13	30	40	50	60	365	3.8		.283
Nat. Public Masters	41.4	12.3	.13	18	34	42	50	60	9,341	2.2		.180
All Nat. Public	41.3	12.2	.07	18	34	42	50	60	31,071	2.3		.193
<b>Supportive Environment</b>												
Fitchburg State (N = 53)	32.2	12.6	1.73	15	23	30	40	58				
New England Public	28.4	15.1	.83	5	15	28	40	55	384	3.8		.253
Nat. Public Masters	31.4	14.1	.14	8	20	30	40	58	9,833	.8		.057
All Nat. Public	31.8	14.0	.08	9	23	33	40	58	32,674	.4		.027

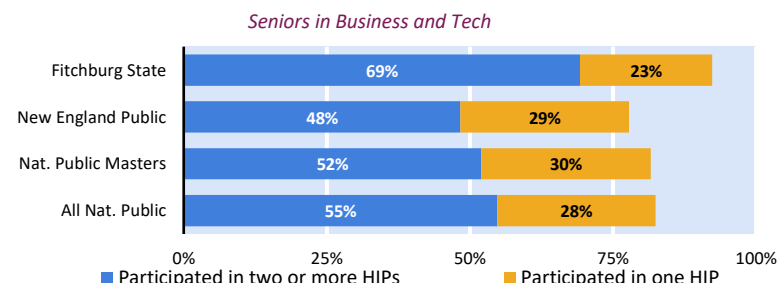
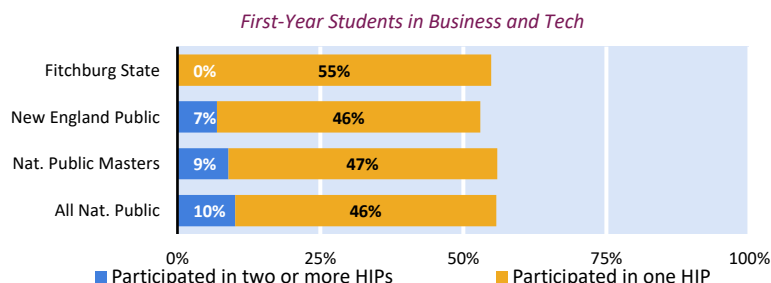
# NSSE 2017 Major Field Report, Part II: Comparisons to Other Institutions

## High-Impact Practices: Business and Tech

### Fitchburg State University

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

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



#### Statistical Comparisons

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

	Fitchburg State	Your students' participation compared with:							
		New England Public			Nat. Public Masters			All Nat. Public	
<i>First-Year Students in Business and Tech</i>	%	Difference <sup>i</sup>	ES <sup>j</sup>		Difference <sup>i</sup>	ES <sup>j</sup>		Difference <sup>i</sup>	ES <sup>j</sup>
12. Service-Learning	53	+2	.03		+2	.04		+4	.07
11c. Learning Community	3	-3	-.15		-8	-.31		-10	-.39
11e. Research with Faculty	0	-4	-.43		-4	-.39		-4	-.40
<b>Participated in at least one</b>	55	+2	.04		-1	-.02		-1	-.02
<b>Participated in two or more</b>	0	-7	-.53		-9	-.61		-10	-.65
<i>Seniors in Business and Tech</i>									
12. Service-Learning	44	+3	.06		-11	-.21		-9	-.18
11c. Learning Community	17	+3	.08		-0	-.01		-2	-.06
11e. Research with Faculty	35	+23	***.55		+22	***.54		+20	***.48
11a. Internship or Field Exp.	71	+30	***.62		+30	***.61		+25	***.52
11d. Study Abroad	10	+5	.19		+0	.01		-3	-.09
11f. Culminating Senior Exp.	50	+3	.06		+7	.14		+6	.12
<b>Participated in at least one</b>	92	+15	*.42		+11	*.32		+10	.30
<b>Participated in two or more</b>	69	+21	**.43		+17	*.36		+14	*.30



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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with						
					Public		Masters		All Nat. Public			New England Public		Nat. Public Masters		All Nat. Public		
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
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	3	4	2	209	4	840	4	3.0	2.8	.19	2.8	.25	2.7	.27
		2	Sometimes	11	35	73	36	2,254	38	8,688	39							
		3	Often	7	23	81	40	2,135	36	7,961	36							
		4	Very often	12	39	44	22	1,267	22	4,748	21							
		Total	31	100	202	100	5,865	100	22,237	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	8	26	31	16	899	15	3,638	16	2.2	2.4	-.19	2.5	-.32	2.5	-.31
		2	Sometimes	12	39	86	43	2,132	36	7,865	35							
		3	Often	8	26	63	32	1,839	31	6,767	31							
		4	Very often	3	10	20	10	983	17	3,890	18							
		Total	31	100	200	100	5,853	100	22,160	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	4	13	6	3	258	4	1,026	5	2.8	3.1	-.33	3.0	-.27	3.0	-.24
		2	Often	4	13	22	11	749	13	3,087	14							
		3	Sometimes	16	52	124	61	3,362	57	12,523	56							
		4	Never	7	23	50	25	1,487	25	5,554	25							
		Total	31	100	202	100	5,856	100	22,190	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	21	68	102	50	2,255	38	9,015	41	1.6	1.8	-.19	1.9	-.34	1.8	-.31
		2	Sometimes	5	16	61	30	2,414	41	8,811	40							
		3	Often	2	6	24	12	861	15	3,131	14							
		4	Very often	3	10	15	7	341	6	1,241	6							
		Total	31	100	202	100	5,871	100	22,198	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	2	6	26	13	496	8	1,778	8	2.5	2.4	.13	2.6	-.04	2.6	-.10
		2	Sometimes	16	52	84	42	2,342	40	8,360	38							
		3	Often	7	23	70	35	2,131	36	8,235	37							
		4	Very often	6	19	22	11	902	15	3,864	17							
		Total	31	100	202	100	5,871	100	22,237	100								
f. Explained course material to one or more students	CLexplain	1	Never	0	0	13	6	249	4	905	4	2.6	2.6	.00	2.7	-.12	2.7	-.17
		2	Sometimes	16	52	79	39	2,238	38	7,914	36							
		3	Often	11	35	83	41	2,383	41	9,253	42							
		4	Very often	4	13	27	13	1,009	17	4,159	19							
		Total	31	100	202	100	5,879	100	22,231	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	9	29	41	20	907	15	3,063	14	2.2	2.2	-.06	2.5	-.30	2.6 *	-0.39
		2	Sometimes	12	39	87	43	2,164	37	7,712	35							
		3	Often	5	16	56	28	1,898	32	7,383	33							
		4	Very often	5	16	17	8	905	15	4,082	18							
		Total	31	100	201	100	5,874	100	22,240	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	0	0	19	9	361	6	1,401	6	2.6	2.4	.29	2.6	-.04	2.7	-.08
		2	Sometimes	14	45	100	50	2,309	39	8,332	38							
		3	Often	15	48	67	33	2,254	38	8,442	38							
		4	Very often	2	6	16	8	946	16	4,040	18							
		Total	31	100	202	100	5,870	100	22,215	100								
i. Given a course presentation	present	1	Never	3	10	36	18	924	16	4,095	18	2.4	2.3	.12	2.4	-.02	2.3	.06
		2	Sometimes	17	55	91	45	2,516	43	9,757	44							
		3	Often	8	26	62	31	1,747	30	5,957	27							
		4	Very often	3	10	13	6	685	12	2,434	11							
		Total	31	100	202	100	5,872	100	22,243	100								

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

a. Combined ideas from different courses when completing assignments	RIntegrate	1	Never	6	19	24	12	472	8	1,768	8	2.4	2.4	-.06	2.6	-.26	2.6	-.25
		2	Sometimes	13	42	90	45	2,375	40	9,220	42							
		3	Often	7	23	70	35	2,256	38	8,297	37							
		4	Very often	5	16	18	9	765	13	2,922	13							
		Total		31	100	202	100	5,868	100	22,207	100							
b. Connected your learning to societal problems or issues	RSocietal	1	Never	6	20	25	12	578	10	2,200	10	2.4	2.5	-.05	2.5	-.13	2.5	-.11
		2	Sometimes	10	33	81	40	2,305	39	9,090	41							
		3	Often	9	30	71	35	2,200	38	8,000	36							
		4	Very often	5	17	25	12	782	13	2,897	13							
		Total		30	100	202	100	5,865	100	22,187	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	3	10	26	13	661	11	2,555	12	2.6	2.5	.12	2.5	.07	2.5	.10
		2	Sometimes	11	35	82	41	2,322	40	9,108	41							
		3	Often	13	42	66	33	2,041	35	7,477	34							
		4	Very often	4	13	28	14	847	14	3,066	14							
		Total		31	100	202	100	5,871	100	22,206	100							

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	4	13	10	5	308	5	1,150	5	2.6	2.7	-.10	2.7	-.16	2.7	-.16
		2	Sometimes	12	39	72	36	1,927	33	7,280	33							
		3	Often	7	23	88	44	2,627	45	10,042	45							
		4	Very often	8	26	31	15	1,005	17	3,735	17							
		Total	31	100	201	100	5,867	100	22,207	100								
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	2	6	11	5	208	4	705	3	2.9	2.8	.16	2.9	.04	2.9	.05
		2	Sometimes	7	23	66	33	1,658	28	6,456	29							
		3	Often	14	45	83	41	2,697	46	10,156	46							
		4	Very often	8	26	42	21	1,300	22	4,881	22							
		Total	31	100	202	100	5,863	100	22,198	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	0	0	10	5	191	3	675	3	2.9	2.7	.35	2.8	.17	2.8	.15
		2	Sometimes	9	29	79	39	1,871	32	7,032	32							
		3	Often	15	48	83	41	2,682	46	10,156	46							
		4	Very often	7	23	30	15	1,107	19	4,304	19							
		Total	31	100	202	100	5,851	100	22,167	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	5	2	90	2	329	1	2.9	2.8	.17	3.0	-.08	3.0	-.11
		2	Sometimes	8	26	66	33	1,436	25	5,200	23							
		3	Often	18	58	99	49	2,914	50	11,146	50							
		4	Very often	5	16	32	16	1,414	24	5,482	25							
		Total	31	100	202	100	5,854	100	22,157	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	8	26	45	23	1,443	25	5,281	24	2.2	2.2	.03	2.2	.06	2.2	.04
		2	Sometimes	11	35	90	45	2,521	43	9,685	44							
		3	Often	9	29	45	23	1,324	23	4,966	22							
		4	Very often	3	10	20	10	568	10	2,248	10							
		Total	31	100	200	100	5,856	100	22,180	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	13	42	99	49	2,937	50	10,825	49	1.9	1.8	.16	1.7	.17	1.8	.15
		2	Sometimes	9	29	62	31	1,765	30	6,964	31							
		3	Often	8	26	29	14	819	14	3,114	14							
		4	Very often	1	3	11	5	326	6	1,258	6							
		Total	31	100	201	100	5,847	100	22,161	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	12	39	72	36	1,967	34	7,466	34	1.9	1.9	.07	2.0	-.03	2.0	-.03
		2	Sometimes	11	35	87	44	2,467	42	9,409	43							
		3	Often	6	19	33	17	1,064	18	3,919	18							
		4	Very often	2	6	7	4	344	6	1,338	6							
		Total	31	100	199	100	5,842	100	22,132	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	9	29	49	25	1,507	26	5,756	26	2.2	2.1	.10	2.1	.13	2.1	.13
		2	Sometimes	11	35	95	48	2,711	46	10,227	46							
		3	Often	7	23	42	21	1,247	21	4,645	21							
		4	Very often	4	13	14	7	382	7	1,506	7							
		Total	31	100	200	100	5,847	100	22,134	100								
4. During the current school year, how much has your coursework emphasized the following?																		
a. Memorizing course material	memorize	1	Very little	4	13	4	2	174	3	719	3	2.6	2.9	-.29	2.9	-.34	2.9	-.33
		2	Some	9	29	57	29	1,492	25	5,799	26							
		3	Quite a bit	12	39	100	50	2,894	49	10,659	48							
		4	Very much	6	19	39	20	1,306	22	5,039	23							
		Total	31	100	200	100	5,866	100	22,216	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	2	6	5	3	198	3	698	3	2.7	2.8	-.04	2.9	-.18	2.9	-.24
		2	Some	7	23	63	32	1,561	27	5,427	24							
		3	Quite a bit	19	61	105	53	2,852	49	10,877	49							
		4	Very much	3	10	27	14	1,245	21	5,182	23							
		Total	31	100	200	100	5,856	100	22,184	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	0	0	11	5	228	4	844	4	2.8	2.7	.07	2.9	-.08	2.9	-.10
		2	Some	14	45	64	32	1,619	28	5,932	27							
		3	Quite a bit	9	29	91	45	2,673	46	10,198	46							
		4	Very much	8	26	35	17	1,321	23	5,159	23							
		Total	31	100	201	100	5,841	100	22,133	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	1	3	8	4	206	4	931	4	2.9	2.8	.15	2.9	.01	2.9	.02
		2	Some	10	32	67	34	1,652	28	6,213	28							
		3	Quite a bit	12	39	91	46	2,716	46	10,205	46							
		4	Very much	8	26	34	17	1,271	22	4,787	22							
		Total	31	100	200	100	5,845	100	22,136	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Your first-year students compared with						
												New England Public		Nat. Public Masters		All Nat. Public		
Item wording or description	Variable name <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	1	3	10	5	254	4	1,056	5	2.9	2.8	.18	2.8	.09	2.8	.09
		2	Some	8	26	64	32	1,724	29	6,349	29							
		3	Quite a bit	15	48	90	45	2,610	45	10,074	45							
		4	Very much	7	23	36	18	1,258	22	4,676	21							
		Total	31	100	200	100	5,846	100	22,155	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	5	2	112	2	404	2	2.9	2.9	-.07	3.1	-.25	3.1	-.25
		2	Some	8	26	55	27	1,214	21	4,554	21							
		3	Quite a bit	19	61	91	45	2,736	47	10,521	47							
		4	Very much	4	13	50	25	1,799	31	6,731	30							
		Total	31	100	201	100	5,861	100	22,210	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	1	3	7	4	162	3	609	3	2.8	2.8	.04	3.0	-.21	3.0	-.22
		2	Some	8	26	64	32	1,329	23	4,748	21							
		3	Quite a bit	17	55	89	45	2,701	46	10,589	48							
		4	Very much	5	16	39	20	1,669	28	6,250	28							
		Total	31	100	199	100	5,861	100	22,196	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	2	6	10	5	194	3	682	3	3.0	2.8	.23	3.0	-.03	3.0	-.04
		2	Some	5	16	60	30	1,350	23	5,111	23							
		3	Quite a bit	16	52	95	47	2,613	45	9,959	45							
		4	Very much	8	26	36	18	1,705	29	6,429	29							
		Total	31	100	201	100	5,862	100	22,181	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	1	3	18	9	406	7	1,740	8	2.8	2.7	.17	2.8	-.01	2.8	.03
		2	Some	10	32	69	34	1,723	29	6,756	30							
		3	Quite a bit	14	45	77	38	2,260	39	8,326	38							
		4	Very much	6	19	37	18	1,462	25	5,343	24							
		Total	31	100	201	100	5,851	100	22,165	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	2	6	20	10	468	8	2,016	9	2.8	2.6	.28	2.7	.12	2.7	.17
		2	Some	6	19	69	35	1,836	31	7,321	33							
		3	Quite a bit	18	58	82	41	2,314	40	8,445	38							
		4	Very much	5	16	29	15	1,229	21	4,348	20							
		Total	31	100	200	100	5,847	100	22,130	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with						
					Count	%	Count	%	Count	%		Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
Item wording or description	Variable name <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
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	16	17	8	500	9	1,865	8	2.5	2.6	-.08	2.6	-.11	2.7	-.12
		2	Sometimes	10	32	70	35	2,048	35	7,633	34							
		3	Often	10	32	88	44	2,360	40	8,969	40							
		4	Very often	6	19	26	13	940	16	3,697	17							
		Total	31	100	201	100	5,848	100	22,164	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	8	26	31	16	981	17	3,877	18	2.2	2.4	-.23	2.4	-.21	2.4	-.20
		2	Sometimes	12	39	82	41	2,341	40	8,686	39							
		3	Often	8	26	64	32	1,834	31	6,922	31							
		4	Very often	3	10	23	12	688	12	2,653	12							
		Total	31	100	200	100	5,844	100	22,138	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	11	35	36	18	975	17	3,594	16	2.1	2.3	-.20	2.3	-.24	2.3	-.25
		2	Sometimes	8	26	91	45	2,510	43	9,511	43							
		3	Often	9	29	50	25	1,809	31	6,896	31							
		4	Very often	3	10	24	12	564	10	2,183	10							
		Total	31	100	201	100	5,858	100	22,184	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	2	6	7	4	337	6	1,388	6	6.0	6.7	-.13	6.2	-.04	6.1	-.03
		1.5	1-2	10	32	47	24	1,187	20	4,647	21							
		4	3-5	8	26	53	27	2,027	35	7,489	34							
		8	6-10	3	10	56	28	1,335	23	5,014	23							
		13	11-15	7	23	18	9	525	9	1,936	9							
		18	16-20	0	0	10	5	190	3	764	3							
		23	More than 20	1	3	8	4	224	4	831	4							
		Total	31	100	199	100	5,825	100	22,069	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	37	62	31	2,199	38	8,369	38	2.6	2.4	.06	2.0	.19	2.0	.19
		1.5	1-2	11	37	79	40	2,235	39	8,373	38							
		4	3-5	3	10	34	17	844	15	3,314	15							
		8	6-10	3	10	19	10	346	6	1,304	6							
		13	11-15	2	7	4	2	94	2	313	1							
		18	16-20	0	0	0	0	31	1	87	0							
		23	More than 20	0	0	1	1	23	0	106	0							
		Total	30	100	199	100	5,772	100	21,866	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
c. 11 pages or more	wrlongnum	0	None	22	71	153	78	4,565	79	17,099	78	1.0	.8	.07	.8	.05	.8	.05
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	6	19	27	14	767	13	3,145	14							
		4	3-5	2	6	10	5	180	3	676	3							
		8	6-10	0	0	5	3	136	2	481	2							
		13	11-15	1	3	1	1	63	1	245	1							
		18	16-20	0	0	0	0	18	0	67	0							
		23	More than 20	0	0	1	1	29	1	110	1							
		Total	31	100	197	100	5,758	100	21,823	100								
Estimated number of assigned pages of student writing.	wrpages										53.1	50.8	.04	46.1	.11	46.1	.11	
	(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	1	3	7	3	288	5	1,082	5	2.9	2.9	-.08	3.0	-.12	3.0	-.15
		2	Sometimes	12	39	56	28	1,588	27	5,732	26							
		3	Often	8	26	80	40	1,946	33	7,361	33							
		4	Very often	10	32	58	29	2,047	35	8,043	36							
			Total	31	100	201	100	5,869	100	22,218	100							
b. People from an economic background other than your own	DDeconomic	1	Never	1	3	7	3	296	5	1,011	5	2.9	2.9	-.06	3.0	-.10	3.0	-.13
		2	Sometimes	12	39	56	28	1,494	26	5,615	25							
		3	Often	8	26	84	42	2,208	38	8,285	37							
		4	Very often	10	32	54	27	1,851	32	7,257	33							
			Total	31	100	201	100	5,849	100	22,168	100							
c. People with religious beliefs other than your own	DDreligion	1	Never	5	16	14	7	410	7	1,422	6	2.5	2.8	-.32	2.9 *	-.41	2.9 *	-.45
		2	Sometimes	11	35	66	33	1,632	28	6,075	27							
		3	Often	9	29	64	32	1,956	33	7,386	33							
		4	Very often	6	19	57	28	1,865	32	7,314	33							
			Total	31	100	201	100	5,863	100	22,197	100							
d. People with political views other than your own	DDpolitical	1	Never	4	13	11	5	343	6	1,247	6	2.7	2.9	-.23	2.9	-.28	3.0	-.31
		2	Sometimes	10	32	57	28	1,615	28	5,879	26							
		3	Often	9	29	78	39	1,977	34	7,536	34							
		4	Very often	8	26	55	27	1,925	33	7,541	34							
			Total	31	100	201	100	5,860	100	22,203	100							

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
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	2	1	101	2	426	2	2.8	2.9	-.13	3.0	-.27	3.0	-.27	
		2	Sometimes	10	32	55	27	1,394	24	5,235	24								
		3	Often	15	48	113	56	2,906	50	10,937	49								
		4	Very often	5	16	31	15	1,461	25	5,592	25								
		Total	31	100	201	100	5,862	100	22,190	100									
b. Reviewed your notes after class	LSnotes	1	Never	4	13	13	6	299	5	1,113	5	2.6	2.8	-.20	2.9	-.32	2.9	-.32	
		2	Sometimes	13	42	64	32	1,806	31	6,940	31								
		3	Often	6	19	83	41	2,165	37	8,094	37								
		4	Very often	8	26	41	20	1,585	27	6,028	27								
		Total	31	100	201	100	5,855	100	22,175	100									
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	3	10	14	7	371	6	1,412	6	2.6	2.6	-.08	2.7	-.20	2.8	-.21	
		2	Sometimes	13	42	66	33	1,953	33	7,208	33								
		3	Often	9	29	98	49	2,286	39	8,717	39								
		4	Very often	6	19	23	11	1,231	21	4,772	22								
		Total	31	100	201	100	5,841	100	22,109	100									
10. During the current school year, to what extent have your courses challenged you to do your best work?																			
challenge		1	Not at all	1	3	5	3	67	1	211	1	4.9	5.0	-.07	5.3	-.27	5.3	-.30	
		2		0	0	1	1	80	1	348	2								
		3		5	16	11	6	305	5	1,166	5								
		4		2	6	37	19	794	14	2,852	13								
		5		13	42	82	41	2,130	36	7,806	35								
		6		6	19	42	21	1,422	24	5,723	26								
		7	Very much	4	13	22	11	1,046	18	4,056	18								
		Total	31	100	200	100	5,844	100	22,162	100									
11. Which of the following have you done or do you plan to do before you graduate? <sup>o</sup>																			
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	Have not decided		4	13	33	17	752	13	2,540	11	6%	5%	.06	6%	.03	7%	-.03	
		Do not plan to do		3	10	16	8	347	6	1,234	6								
		Plan to do		22	71	141	71	4,424	75	16,856	76								
		Done or in progress		2	6	10	5	337	6	1,576	7								
		Total		31	100	200	100	5,860	100	22,206	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: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
b. Hold a formal leadership role in a student organization or group	leader		Have not decided	10	32	55	28	1,594	27	5,428	24	3%	10%	-.27	11%	-.30	11%	-.33	
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	10	32	61	31	1,428	24	4,860	22									
	Plan to do	10	32	65	33	2,217	38	9,354	42										
	Done or in progress	1	3	19	10	616	11	2,536	11										
	Total	31	100	200	100	5,855	100	22,178	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	10	32	72	36	1,915	33	6,579	30	3%	6%	-.15	11%	-.31	14%	-.39	
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	11	35	58	29	1,619	28	6,260	28									
	Plan to do	9	29	59	29	1,675	29	6,301	28										
	Done or in progress	1	3	13	6	633	11	3,014	14										
	Total	31	100	202	100	5,842	100	22,154	100										
d. Participate in a study abroad program	abroad		Have not decided	9	29	60	30	1,671	29	5,796	26	0%	2%	-.28	3%	-.36	3%	-.37	
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	14	45	58	29	1,710	29	6,130	28									
	Plan to do	8	26	80	40	2,284	39	9,488	43										
	Done or in progress	0	0	4	2	187	3	757	3										
	Total	31	100	202	100	5,852	100	22,171	100										
e. Work with a faculty member on a research project	research		Have not decided	6	19	76	38	2,412	41	8,593	39	0%	4%	-.43	4%	-.39	4%	-.40	
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	17	55	64	32	1,637	28	6,003	27									
	Plan to do	8	26	53	26	1,581	27	6,671	30										
	Done or in progress	0	0	9	4	217	4	891	4										
	Total	31	100	202	100	5,847	100	22,158	100										
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone		Have not decided	12	39	71	35	2,106	36	7,571	34	0%	1%	-.24	2%	-.29	2%	-.29	
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	10	32	33	16	714	12	2,722	12									
	Plan to do	9	29	94	47	2,904	50	11,400	51										
	Done or in progress	0	0	3	1	119	2	459	2										
	Total	31	100	201	100	5,843	100	22,152	100										
12. About how many of your courses at this institution have included a community-based project (service-learning)?																			
	servcourse	1	None	14	47	96	48	2,840	49	11,117	50	1.8	1.6	.25	1.6	.25	1.6	.29	
		2	Some	10	33	85	43	2,473	42	9,079	41								
		3	Most	4	13	16	8	433	7	1,594	7								
		4	All	2	7	2	1	108	2	345	2								
		Total	30	100	199	100	5,854	100	22,135	100									

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	QIstudent	1	Poor	2	6	9	4	120	2	392	2	4.8	5.1	-.21	5.3 *	-.36	5.4 *	-.40	
		2		2	6	5	2	113	2	489	2								
		3		3	10	13	6	353	6	1,218	5								
		4		2	6	29	14	787	13	2,883	13								
		5		11	35	52	26	1,616	28	5,982	27								
		6		6	19	49	24	1,508	26	5,695	26								
		7	Excellent	5	16	43	21	1,323	23	5,408	24								
		—	Not applicable	0	0	2	1	52	1	178	1								
		Total		31	100	202	100	5,872	100	22,245	100								
b. Academic advisors	QIadvisor	1	Poor	3	10	12	6	237	4	799	4	4.1	4.8	-.40	5.0 *	-.53	5.1 *	-.59	
		2		6	19	11	5	311	5	1,088	5								
		3		4	13	19	9	505	9	1,824	8								
		4		3	10	26	13	883	15	3,197	14								
		5		6	19	55	27	1,222	21	4,641	21								
		6		4	13	40	20	1,141	19	4,539	20								
		7	Excellent	5	16	36	18	1,402	24	5,586	25								
		—	Not applicable	0	0	3	1	172	3	540	2								
		Total		31	100	202	100	5,873	100	22,214	100								
c. Faculty	QIfaculty	1	Poor	0	0	4	2	119	2	463	2	4.8	5.1	-.16	5.1	-.20	5.1	-.21	
		2		2	6	6	3	199	3	781	4								
		3		4	13	14	7	427	7	1,511	7								
		4		6	19	36	18	898	15	3,494	16								
		5		8	26	54	27	1,591	27	5,963	27								
		6		7	23	55	28	1,497	26	5,670	26								
		7	Excellent	4	13	28	14	1,046	18	4,040	18								
		—	Not applicable	0	0	3	2	76	1	252	1								
		Total		31	100	200	100	5,853	100	22,174	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	5	16	9	5	233	4	896	4	4.2	4.9	-.38	4.9	-.43	5.0	-.45	
		2		3	10	5	3	273	5	984	4								
		3		4	13	25	13	492	8	1,737	8								
		4		2	6	27	14	813	14	3,233	15								
		5		6	19	40	20	1,265	22	4,721	21								
		6		4	13	52	26	1,191	20	4,576	21								
		7	Excellent	6	19	26	13	1,037	18	3,986	18								
		—	Not applicable	1	3	16	8	549	9	2,024	9								
		Total		31	100	200	100	5,853	100	22,157	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	5	16	6	3	253	4	1,007	5	4.3	4.8	-.34	4.9	-.36	4.9	-.34	
		2		3	10	10	5	324	6	1,197	5								
		3		2	6	20	10	499	9	1,815	8								
		4		1	3	34	17	886	15	3,401	15								
		5		10	32	45	22	1,241	21	4,795	22								
		6		5	16	49	24	1,203	21	4,412	20								
		7	Excellent	4	13	25	12	1,041	18	3,826	17								
		—	Not applicable	1	3	13	6	417	7	1,757	8								
		Total		31	100	202	100	5,864	100	22,210	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	7	4	105	2	401	2	3.1	2.9	.33	3.1	.08	3.1	.05	
		2	Some	4	13	45	23	1,108	19	4,031	18								
		3	Quite a bit	19	61	111	56	2,916	50	10,909	49								
		4	Very much	8	26	37	19	1,743	30	6,873	31								
			Total	31	100	200	100	5,872	100	22,214	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	1	3	14	7	239	4	787	4	3.0	2.9	.13	3.0	-.02	3.0	-.06	
		2	Some	7	23	47	24	1,296	22	4,805	22								
		3	Quite a bit	15	48	92	46	2,616	45	9,844	44								
		4	Very much	8	26	47	24	1,693	29	6,687	30								
			Total	31	100	200	100	5,844	100	22,123	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	0	0	14	7	356	6	1,287	6	3.0	2.9	.15	3.0	-.04	3.0	-.05	
		2	Some	6	19	49	25	1,123	19	4,247	19								
		3	Quite a bit	19	61	86	43	2,323	40	8,772	40								
		4	Very much	6	19	51	26	2,057	35	7,847	35								
			Total	31	100	200	100	5,859	100	22,153	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	4	13	26	13	583	10	2,303	10	2.7	2.7	-.07	2.8	-.09	2.8	-.08	
		2	Some	7	23	45	23	1,685	29	6,332	29								
		3	Quite a bit	15	48	84	42	2,150	37	8,084	36								
		4	Very much	5	16	45	23	1,441	25	5,441	25								
		Total	31	100	200	100	5,859	100	22,160	100									
e. Providing opportunities to be involved socially	SEsocial	1	Very little	1	3	20	10	317	5	1,188	5	2.8	2.8	-.03	2.9	-.14	2.9	-.16	
		2	Some	10	32	46	23	1,469	25	5,333	24								
		3	Quite a bit	14	45	80	40	2,368	40	9,095	41								
		4	Very much	6	19	53	27	1,693	29	6,532	29								
		Total	31	100	199	100	5,847	100	22,148	100									
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	2	6	21	11	393	7	1,371	6	2.9	2.7	.23	2.9	.04	2.9	.00	
		2	Some	5	16	52	26	1,436	25	5,275	24								
		3	Quite a bit	17	55	86	43	2,367	40	8,978	41								
		4	Very much	7	23	40	20	1,657	28	6,509	29								
		Total	31	100	199	100	5,853	100	22,133	100									
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	9	29	44	22	1,181	20	4,459	20	2.4	2.3	.06	2.4	.02	2.4	.01	
		2	Some	5	16	70	35	2,157	37	8,042	36								
		3	Quite a bit	13	42	61	31	1,703	29	6,521	29								
		4	Very much	4	13	24	12	815	14	3,121	14								
		Total	31	100	199	100	5,856	100	22,143	100									
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	2	6	23	12	549	9	1,827	8	2.9	2.7	.26	2.8	.15	2.8	.10	
		2	Some	7	23	56	28	1,630	28	5,978	27								
		3	Quite a bit	14	45	82	41	2,292	39	8,737	39								
		4	Very much	8	26	37	19	1,376	24	5,586	25								
		Total	31	100	198	100	5,847	100	22,128	100									
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	5	16	23	12	816	14	3,060	14	2.5	2.6	-.04	2.5	.02	2.5	.01	
		2	Some	9	29	67	34	2,065	35	7,780	35								
		3	Quite a bit	12	39	79	40	2,005	34	7,594	34								
		4	Very much	5	16	30	15	961	16	3,705	17								
		Total	31	100	199	100	5,847	100	22,139	100									

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
15. About how many hours do you spend in a typical 7-day week doing the following?																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmpprephrs	0	0 hrs	0	0	2	1	29	0	105	0	10.9	12.2	-.19	13.5	-.34	14.2 *	-0.41
	(Recoded version of tmpprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	7	23	35	18	804	14	2,851	13							
		8	6-10 hrs	11	35	51	26	1,530	26	5,387	24							
		13	11-15 hrs	4	13	56	28	1,415	24	5,111	23							
		18	16-20 hrs	6	19	32	16	1,061	18	4,230	19							
		23	21-25 hrs	3	10	14	7	555	9	2,335	11							
		28	26-30 hrs	0	0	4	2	228	4	1,066	5							
		33	More than 30 hrs	0	0	6	3	244	4	1,124	5							
		Total			31	100	200	100	5,866	100	22,209							
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	12	39	69	34	1,931	33	6,548	30	5.2	6.0	-.11	5.7	-.07	6.1	-.12
	(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	9	29	62	31	1,864	32	7,164	32							
		8	6-10 hrs	3	10	24	12	880	15	3,746	17							
		13	11-15 hrs	4	13	18	9	554	9	2,189	10							
		18	16-20 hrs	2	6	17	8	339	6	1,343	6							
		23	21-25 hrs	1	3	7	3	143	2	604	3							
		28	26-30 hrs	0	0	0	0	58	1	211	1							
		33	More than 30 hrs	0	0	4	2	80	1	335	2							
		Total			31	100	201	100	5,849	100	22,140							
c. Working for pay on campus	tmworkonhrs	0	0 hrs	25	81	155	77	4,789	82	17,839	80	2.0	2.7	-.11	2.3	-.04	2.5	-.08
	(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	3	9	4	169	3	607	3							
		8	6-10 hrs	2	6	15	7	277	5	1,169	5							
		13	11-15 hrs	2	6	8	4	281	5	1,145	5							
		18	16-20 hrs	1	3	10	5	231	4	869	4							
		23	21-25 hrs	0	0	2	1	81	1	323	1							
		28	26-30 hrs	0	0	0	0	16	0	73	0							
		33	More than 30 hrs	0	0	2	1	15	0	142	1							
		Total			31	100	201	100	5,859	100	22,167							

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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			Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
Item wording or description	Variable name <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	14	45	92	46	3,777	64	15,075	68	7.9	9.0	-.10	6.2	.18	5.5	.25
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	2	6	9	4	241	4	924	4							
	8	6-10 hrs	3	10	19	9	325	6	1,094	5								
	13	11-15 hrs	4	13	24	12	368	6	1,198	5								
	18	16-20 hrs	6	19	26	13	411	7	1,381	6								
	23	21-25 hrs	1	3	13	6	300	5	980	4								
	28	26-30 hrs	0	0	10	5	151	3	568	3								
	33	More than 30 hrs	1	3	8	4	291	5	964	4								
	Total		31	100	201	100	5,864	100	22,184	100								
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											10.0	11.7	-.14	8.4	.13	8.0	.17
e. Doing community service or volunteer work	tmservehrs	0	0 hrs	23	74	132	66	3,565	61	12,980	59	2.1	2.3	-.04	2.4	-.08	2.5	-.09
	(Recoded version of tmserve created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	4	13	51	25	1,580	27	6,405	29							
	8	6-10 hrs	1	3	3	1	326	6	1,274	6								
	13	11-15 hrs	2	6	6	3	165	3	669	3								
	18	16-20 hrs	1	3	5	2	119	2	433	2								
	23	21-25 hrs	0	0	1	0	55	1	208	1								
	28	26-30 hrs	0	0	2	1	19	0	66	0								
	33	More than 30 hrs	0	0	1	0	26	0	99	0								
	Total		31	100	201	100	5,855	100	22,134	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	3	1	103	2	409	2	16.9	15.2	.18	13.3 *	.41	13.1 *	.42
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5	16	27	13	1,069	18	4,012	18							
	8	6-10 hrs	2	6	46	23	1,479	25	5,743	26								
	13	11-15 hrs	8	26	35	17	1,261	22	4,758	21								
	18	16-20 hrs	7	23	40	20	845	14	3,208	14								
	23	21-25 hrs	3	10	16	8	441	8	1,613	7								
	28	26-30 hrs	1	3	11	5	177	3	669	3								
	33	More than 30 hrs	5	16	23	11	484	8	1,756	8								
	Total		31	100	201	100	5,859	100	22,168	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with						
					Public		Masters		All Nat. Public			Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
Item wording or description	Variable name <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	23	74	133	67	4,399	75	17,120	77	2.4	2.9	-.08	2.5	-.03	2.4	.00
	(Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	4	13	34	17	628	11	2,163	10							
	8	6-10 hrs	0	0	11	6	311	5	979	4								
	13	11-15 hrs	2	6	10	5	177	3	680	3								
	18	16-20 hrs	2	6	6	3	123	2	421	2								
	23	21-25 hrs	0	0	2	1	66	1	238	1								
	28	26-30 hrs	0	0	0	0	26	0	81	0								
	33	More than 30 hrs	0	0	3	2	114	2	440	2								
	Total		31	100	199	100	5,844	100	22,122	100								
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	11	35	67	33	2,097	36	8,214	37	4.4	4.6	-.04	4.4	-.01	4.2	.02
	(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	13	42	78	39	2,254	38	8,620	39							
	8	6-10 hrs	4	13	33	16	832	14	2,911	13								
	13	11-15 hrs	1	3	10	5	346	6	1,188	5								
	18	16-20 hrs	1	3	7	3	145	2	568	3								
	23	21-25 hrs	0	0	3	1	80	1	294	1								
	28	26-30 hrs	0	0	0	0	26	0	106	0								
	33	More than 30 hrs	1	3	3	1	79	1	287	1								
	Total		31	100	201	100	5,859	100	22,188	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	5	16	31	16	729	12	3,081	14	2.7	2.6	.17	2.7	.07	2.6	.13	
	2	Some	9	29	70	35	2,106	36	8,186	37								
	3	About half	8	26	62	31	1,726	29	6,399	29								
	4	Most	7	23	30	15	989	17	3,470	16								
	5	Almost all	2	6	7	4	309	5	1,048	5								
	Total		31	100	200	100	5,859	100	22,184	100								
tmreadinghrs											5.6	5.3	.04	6.0	-.08	6.0	-.08	
(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: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>j</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
	tmreadinghrscol	1	0 hrs	0	0	2	1	29	0	105	0							
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	19	61	121	61	3,224	55	12,246	55							
		3	More than 5, up to 10 hrs	6	19	53	27	1,650	28	6,216	28							
		4	More than 10, up to 15 hrs	3	10	10	5	469	8	1,864	8							
		5	More than 15, up to 20 hrs	3	10	8	4	272	5	932	4							
		6	More than 20, up to 25 hrs	0	0	3	2	138	2	535	2							
		7	More than 25 hrs	0	0	2	1	55	1	207	1							
		Total		31	100	199	100	5,837	100	22,105	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	5	16	14	7	388	7	1,772	8	2.6	2.7	-.12	2.8	-.17	2.8	-.13
		2	Some	7	23	61	31	1,642	28	6,289	28							
		3	Quite a bit	13	42	85	43	2,672	46	9,664	44							
		4	Very much	6	19	39	20	1,164	20	4,462	20							
		Total		31	100	199	100	5,866	100	22,187	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	10	32	26	13	495	8	2,390	11	2.3	2.6	-.31	2.7	-.46	2.7	-.38
		2	Some	8	26	59	30	1,783	30	6,847	31							
		3	Quite a bit	6	19	79	40	2,423	41	8,696	39							
		4	Very much	7	23	36	18	1,162	20	4,262	19							
		Total		31	100	200	100	5,863	100	22,195	100							
c. Thinking critically and analytically	pgthink	1	Very little	3	10	8	4	200	3	803	4	2.7	3.0	-.30	3.0 *	-.38	3.0 *	-.38
		2	Some	8	26	44	22	1,244	21	4,673	21							
		3	Quite a bit	15	48	97	49	2,715	46	10,022	45							
		4	Very much	5	16	51	26	1,713	29	6,713	30							
		Total		31	100	200	100	5,872	100	22,211	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	5	16	13	7	444	8	1,746	8	2.5	2.7	-.33	2.8	-.35	2.8 *	-.38
		2	Some	10	32	70	35	1,777	30	6,355	29							
		3	Quite a bit	13	42	72	36	2,433	41	9,048	41							
		4	Very much	3	10	44	22	1,215	21	5,043	23							
		Total		31	100	199	100	5,869	100	22,192	100							



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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
e. Acquiring job- or work- related knowledge and skills	pgwork	1	Very little	8	26	23	12	744	13	2,646	12	2.3	2.6	-.25	2.6	-.29	2.6	-.35
		2	Some	9	29	74	37	1,983	34	7,033	32							
		3	Quite a bit	10	32	73	37	2,052	35	7,989	36							
		4	Very much	4	13	30	15	1,088	19	4,537	20							
		Total	31	100	200	100	5,867	100	22,205	100								
f. Working effectively with others	pgothers	1	Very little	5	16	18	9	379	6	1,546	7	2.6	2.7	-.10	2.8	-.21	2.8	-.22
		2	Some	8	26	60	30	1,745	30	6,354	29							
		3	Quite a bit	12	39	88	44	2,442	42	9,101	41							
		4	Very much	6	19	35	17	1,300	22	5,198	23							
		Total	31	100	201	100	5,866	100	22,199	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	6	19	16	8	645	11	2,650	12	2.5	2.6	-.09	2.7	-.14	2.7	-.12
		2	Some	9	29	76	38	1,785	30	6,716	30							
		3	Quite a bit	9	29	74	37	2,288	39	8,265	37							
		4	Very much	7	23	34	17	1,149	20	4,571	21							
		Total	31	100	200	100	5,867	100	22,202	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	6	19	24	12	568	10	2,214	10	2.5	2.7	-.13	2.8	-.22	2.7	-.21
		2	Some	10	32	60	30	1,703	29	6,482	29							
		3	Quite a bit	7	23	74	37	2,220	38	8,297	37							
		4	Very much	8	26	43	21	1,382	24	5,212	23							
		Total	31	100	201	100	5,873	100	22,205	100								
i. Solving complex real- world problems	pgprobsolve	1	Very little	5	16	24	12	640	11	2,547	11	2.5	2.6	-.13	2.6	-.11	2.6	-.13
		2	Some	11	35	63	31	2,030	35	7,271	33							
		3	Quite a bit	9	29	76	38	2,147	37	8,170	37							
		4	Very much	6	19	38	19	1,037	18	4,201	19							
		Total	31	100	201	100	5,854	100	22,189	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	6	19	23	11	658	11	2,646	12	2.5	2.6	-.11	2.6	-.15	2.6	-.15
		2	Some	11	35	72	36	1,978	34	7,203	33							
		3	Quite a bit	7	23	72	36	2,121	36	8,065	36							
		4	Very much	7	23	34	17	1,095	19	4,212	19							
		Total	31	100	201	100	5,852	100	22,126	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### First-Year Students<sup>a</sup> in Business and Tech

First-Year Students <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your first-year students compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	New England Public		Nat. Public Masters		All Nat. Public	
													Effect size <sup>n</sup>	Effect size <sup>n</sup>	Effect size <sup>n</sup>	Effect size <sup>n</sup>		
18. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	0	0	10	5	130	2	486	2	3.0	2.9	.08	3.1	-.15	3.2	-.21
		2	Fair	9	29	35	17	888	15	3,112	14							
		3	Good	13	42	114	57	3,058	52	11,132	50							
		4	Excellent	9	29	42	21	1,791	31	7,486	34							
		Total		31	100	201	100	5,867	100	22,216	100							
19. If you could start over again, would you go to the same institution you are now attending?																		
	sameinst	1	Definitely no	1	3	14	7	256	4	832	4	3.1	2.9	.22	3.1	.00	3.2	-.07
		2	Probably no	6	19	35	17	860	15	2,924	13							
		3	Probably yes	12	39	100	50	2,624	45	9,756	44							
		4	Definitely yes	12	39	52	26	2,139	36	8,737	39							
		Total		31	100	201	100	5,879	100	22,249	100							

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>							
				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 <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
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	14	4	314	3	969	3	3.2	3.0	.23	3.0	.26	3.0	.27	
		2	Sometimes	10	19	98	29	2,942	30	10,029	31								
		3	Often	22	42	96	29	3,177	32	10,626	32								
		4	Very often	21	40	126	38	3,386	34	11,151	34								
		Total	53	100	334	100	9,819	100	32,775	100									
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	11	21	77	23	2,163	22	7,429	23	2.4	2.3	.11	2.4	.09	2.3	.11	
		2	Sometimes	16	31	124	37	3,574	36	11,898	36								
		3	Often	16	31	76	23	2,483	25	8,342	26								
		4	Very often	9	17	56	17	1,586	16	5,041	15								
		Total	52	100	333	100	9,806	100	32,710	100									
c. Come to class without completing readings or assignments	unpreparedr  (Reverse-coded version of unprepared created by NSSE.)	1	Very often	2	4	20	6	600	6	2,093	6	3.1	3.1	.10	3.0	.23	2.9	.25	
		2	Often	4	8	43	13	1,503	15	5,159	16								
		3	Sometimes	32	60	170	51	5,464	56	18,219	56								
		4	Never	15	28	101	30	2,252	23	7,285	22								
		Total	53	100	334	100	9,819	100	32,756	100									
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	21	40	180	54	5,122	52	16,587	51	1.8	1.6	.26	1.6	.21	1.7	.17	
		2	Sometimes	23	43	115	35	3,454	35	11,652	36								
		3	Often	7	13	26	8	865	9	3,106	9								
		4	Very often	2	4	12	4	384	4	1,400	4								
		Total	53	100	333	100	9,825	100	32,745	100									
e. Asked another student to help you understand course material	CLaskhelp	1	Never	5	9	63	19	1,220	12	3,888	12	2.5	2.2	.28	2.4	.01	2.5	-.02	
		2	Sometimes	25	47	158	47	4,387	45	14,275	44								
		3	Often	17	32	89	27	2,869	29	9,785	30								
		4	Very often	6	11	24	7	1,357	14	4,834	15								
		Total	53	100	334	100	9,833	100	32,782	100									
f. Explained course material to one or more students	CLexplain	1	Never	2	4	22	7	454	5	1,509	5	2.8	2.7	.17	2.7	.09	2.8	.06	
		2	Sometimes	19	36	130	39	3,631	37	11,635	35								
		3	Often	19	36	119	36	3,791	39	12,769	39								
		4	Very often	13	25	63	19	1,963	20	6,884	21								
		Total	53	100	334	100	9,839	100	32,797	100									

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Count	%	Count	%	Count	%		Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	9	17	69	21	1,700	17	5,458	17	2.4	2.3	.07	2.5	-.09	2.5	-.12
		2	Sometimes	22	42	130	39	3,606	37	11,661	36							
		3	Often	15	28	96	29	2,806	29	9,551	29							
		4	Very often	7	13	39	12	1,722	18	6,118	19							
		Total	53	100	334	100	9,834	100	32,788	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	3	6	16	5	404	4	1,418	4	2.7	3.0 *	-.34	3.0 **	-.42	3.0 **	-.42
		2	Sometimes	18	34	86	26	2,266	23	7,342	22							
		3	Often	25	47	120	36	3,730	38	12,346	38							
		4	Very often	7	13	110	33	3,439	35	11,676	36							
		Total	53	100	332	100	9,839	100	32,782	100								
i. Given a course presentation	present	1	Never	4	8	28	8	869	9	3,198	10	2.8	2.9	-.01	2.8	.00	2.8	.03
		2	Sometimes	17	32	92	28	2,702	27	9,274	28							
		3	Often	15	28	114	34	3,341	34	10,635	32							
		4	Very often	17	32	100	30	2,932	30	9,699	30							
		Total	53	100	334	100	9,844	100	32,806	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	2	19	6	332	3	1,057	3	2.7	2.9	-.21	2.9 *	-.30	2.9 *	-.30
		2	Sometimes	23	43	98	29	2,733	28	9,202	28							
		3	Often	21	40	126	38	4,111	42	13,762	42							
		4	Very often	8	15	90	27	2,646	27	8,745	27							
		Total	53	100	333	100	9,822	100	32,766	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	4	8	37	11	814	8	2,818	9	2.6	2.6	.06	2.7	-.01	2.6	.00
		2	Sometimes	22	42	121	36	3,663	37	12,319	38							
		3	Often	16	30	120	36	3,429	35	11,392	35							
		4	Very often	11	21	56	17	1,904	19	6,201	19							
		Total	53	100	334	100	9,810	100	32,730	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	9	17	62	19	1,473	15	5,453	17	2.5	2.4	.13	2.4	.07	2.4	.10
		2	Sometimes	21	40	133	40	4,189	43	13,719	42							
		3	Often	10	19	93	28	2,769	28	9,045	28							
		4	Very often	12	23	43	13	1,394	14	4,522	14							
		Total	52	100	331	100	9,825	100	32,739	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Count	%	Count	%	Count	%		Count	%	New England Public	Nat. Public Masters	All Nat. Public		
Item wording or description	Variable name <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	1	2	25	8	561	6	1,867	6	2.8	2.7	.11	2.7	.04	2.7	.04
		2	Sometimes	24	45	117	35	3,342	34	11,263	34							
		3	Often	15	28	136	41	4,187	43	13,619	42							
		4	Very often	13	25	54	16	1,741	18	6,002	18							
		Total	53	100	332	100	9,831	100	32,751	100								
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	1	2	18	5	354	4	1,210	4	3.0	2.8	.25	2.9	.17	2.9	.18
		2	Sometimes	13	25	96	29	2,803	29	9,534	29							
		3	Often	23	43	150	45	4,356	44	14,331	44							
		4	Very often	16	30	69	21	2,317	24	7,672	23							
		Total	53	100	333	100	9,830	100	32,747	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	0	0	11	3	219	2	791	2	2.9	2.8	.13	2.9	.02	2.9	.03
		2	Sometimes	19	36	107	32	3,003	31	10,088	31							
		3	Often	21	40	153	46	4,429	45	14,619	45							
		4	Very often	13	25	59	18	2,170	22	7,222	22							
		Total	53	100	330	100	9,821	100	32,720	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	7	2	114	1	374	1	3.0	3.0	.00	3.1	-.14	3.1	-.14
		2	Sometimes	13	25	71	21	1,862	19	6,238	19							
		3	Often	27	51	170	51	4,716	48	15,721	48							
		4	Very often	13	25	85	26	3,121	32	10,355	32							
		Total	53	100	333	100	9,813	100	32,688	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	9	17	80	24	2,272	23	7,329	22	2.5	2.2 *	.30	2.3 *	.28	2.3	.25
		2	Sometimes	18	34	132	40	4,062	41	13,498	41							
		3	Often	15	28	81	24	2,160	22	7,240	22							
		4	Very often	11	21	40	12	1,339	14	4,680	14							
		Total	53	100	333	100	9,833	100	32,747	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	20	38	190	57	4,795	49	15,434	47	2.0	1.7 *	.37	1.8	.21	1.9	.19
		2	Sometimes	18	34	82	25	2,776	28	9,607	29							
		3	Often	8	15	37	11	1,388	14	4,639	14							
		4	Very often	7	13	24	7	863	9	3,030	9							
		Total	53	100	333	100	9,822	100	32,710	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	11	21	122	37	3,052	31	10,093	31	2.2	2.0 *	.32	2.0	.22	2.0	.22
		2	Sometimes	23	43	127	38	4,138	42	13,836	42							
		3	Often	14	26	59	18	1,772	18	5,916	18							
		4	Very often	5	9	24	7	846	9	2,833	9							
		Total	53	100	332	100	9,808	100	32,678	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	5	9	85	26	2,638	27	8,781	27	2.6	2.2 **	.45	2.1 ***	.53	2.1 ***	.54
		2	Sometimes	23	43	141	42	4,422	45	14,887	46							
		3	Often	15	28	75	23	1,940	20	6,252	19							
		4	Very often	10	19	31	9	812	8	2,744	8							
		Total	53	100	332	100	9,812	100	32,664	100								
4. During the current school year, how much has your coursework emphasized the following?																		
a. Memorizing course material	memorize	1	Very little	3	6	20	6	511	5	1,857	6	2.6	2.8 *	-.30	2.8 *	-.32	2.8	-.27
		2	Some	22	42	95	29	2,789	28	9,851	30							
		3	Quite a bit	21	40	140	42	4,282	44	13,951	43							
		4	Very much	6	12	78	23	2,238	23	7,083	22							
		Total	52	100	333	100	9,820	100	32,742	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	3	6	18	5	278	3	913	3	2.8	2.9	-.16	3.0	-.26	3.0	-.28
		2	Some	17	32	64	19	2,067	21	6,676	20							
		3	Quite a bit	20	38	169	51	4,684	48	15,573	48							
		4	Very much	13	25	82	25	2,782	28	9,545	29							
		Total	53	100	333	100	9,811	100	32,707	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	0	0	24	7	398	4	1,275	4	2.9	2.9	.03	3.0	-.09	3.0	-.09
		2	Some	18	34	82	25	2,352	24	7,840	24							
		3	Quite a bit	23	43	142	43	4,304	44	14,348	44							
		4	Very much	12	23	85	26	2,758	28	9,216	28							
		Total	53	100	333	100	9,812	100	32,679	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	1	2	25	8	632	6	2,218	7	2.9	2.8	.18	2.8	.10	2.8	.12
		2	Some	14	26	102	31	2,739	28	9,369	29							
		3	Quite a bit	27	51	136	41	4,205	43	13,841	42							
		4	Very much	11	21	70	21	2,218	23	7,240	22							
		Total	53	100	333	100	9,794	100	32,668	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Count	%	Count	%	Count	%		Count	%	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean
Item wording or description	Variable name <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	0	0	30	9	544	6	1,842	6	2.8	2.8	.07	2.8	-.02	2.8	-.02
		2	Some	21	40	91	27	2,807	29	9,310	28							
		3	Quite a bit	21	40	143	43	4,258	43	14,147	43							
		4	Very much	11	21	69	21	2,203	22	7,379	23							
		Total	53	100	333	100	9,812	100	32,678	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	5	1	243	2	807	2	3.1	3.1	.00	3.1	.04	3.1	.03
		2	Some	8	15	61	18	1,780	18	5,974	18							
		3	Quite a bit	30	57	152	46	4,520	46	14,965	46							
		4	Very much	15	28	116	35	3,294	33	11,031	34							
		Total	53	100	334	100	9,837	100	32,777	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	1	2	14	4	301	3	1,026	3	3.0	3.0	.03	3.0	-.09	3.1	-.09
		2	Some	15	28	80	24	1,948	20	6,474	20							
		3	Quite a bit	21	40	144	43	4,545	46	15,047	46							
		4	Very much	16	30	94	28	3,033	31	10,208	31							
		Total	53	100	332	100	9,827	100	32,755	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	2	4	19	6	314	3	1,128	3	3.0	3.0	.09	3.1	-.03	3.1	-.03
		2	Some	13	25	71	21	2,036	21	6,661	20							
		3	Quite a bit	19	36	146	44	4,207	43	14,013	43							
		4	Very much	19	36	97	29	3,267	33	10,940	33							
		Total	53	100	333	100	9,824	100	32,742	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	3	6	56	17	1,209	12	4,248	13	2.9	▲ 2.5 *	.36	2.6	.26	▲ 2.6 *	.28
		2	Some	15	28	108	33	3,212	33	10,799	33							
		3	Quite a bit	20	38	101	31	3,266	33	10,876	33							
		4	Very much	15	28	66	20	2,116	22	6,772	21							
		Total	53	100	331	100	9,803	100	32,695	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	3	6	34	10	840	9	2,905	9	2.8	2.7	.18	2.8	.09	2.7	.12
		2	Some	16	30	117	35	2,943	30	10,137	31							
		3	Quite a bit	21	40	107	32	3,810	39	12,616	39							
		4	Very much	13	25	73	22	2,191	22	6,964	21							
		Total	53	100	331	100	9,784	100	32,622	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with					
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
6. During the current school year, about how often have you done the following?																		
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	4	8	26	8	613	6	2,024	6	2.9	2.7	.25	2.8	.12	2.8	.09
		2	Sometimes	14	26	117	35	3,139	32	10,090	31							
		3	Often	20	38	135	41	4,002	41	13,286	41							
		4	Very often	15	28	55	17	2,046	21	7,277	22							
		Total	53	100	333	100	9,800	100	32,677	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	14	26	71	22	1,582	16	5,244	16	2.3	2.3	-.01	2.5	-.18	2.5	-.19
		2	Sometimes	17	32	124	38	3,613	37	11,795	36							
		3	Often	14	26	97	29	3,024	31	10,190	31							
		4	Very often	8	15	38	12	1,574	16	5,439	17							
		Total	53	100	330	100	9,793	100	32,668	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	11	21	65	20	1,349	14	4,439	14	2.4	2.3	.13	2.4	-.06	2.5	-.08
		2	Sometimes	21	40	143	43	4,039	41	13,169	40							
		3	Often	10	19	92	28	3,104	32	10,631	32							
		4	Very often	11	21	32	10	1,330	14	4,499	14							
		Total	53	100	332	100	9,822	100	32,738	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)																		
a. Up to 5 pages	wrshortnum	0	None	4	8	25	8	662	7	2,508	8	7.1	6.8	.04	6.8	.05	6.5	.09
	(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	8	15	70	21	2,030	21	7,147	22							
		4	3-5	17	33	95	29	2,876	30	9,719	30							
		8	6-10	12	23	72	22	2,173	22	6,776	21							
		13	11-15	5	10	29	9	941	10	3,008	9							
		18	16-20	2	4	11	3	474	5	1,447	4							
		23	More than 20	4	8	26	8	581	6	1,887	6							
		Total	52	100	328	100	9,737	100	32,492	100								
b. Between 6 and 10 pages	wrmednum	0	None	12	23	97	30	2,576	27	9,397	29	3.4	3.1	.07	3.0	.10	2.8	.15
	(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	21	40	107	33	3,459	36	11,667	36							
		4	3-5	14	26	71	22	2,188	23	6,828	21							
		8	6-10	3	6	34	10	1,012	10	2,910	9							
		13	11-15	0	0	13	4	265	3	866	3							
		18	16-20	0	0	2	1	97	1	296	1							
		23	More than 20	3	6	4	1	83	1	285	1							
		Total	53	100	328	100	9,680	100	32,249	100								



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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Count	%	Count	%	Count	%		Count	%	New England Public	Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
c. 11 pages or more	wrlongnum	0	None	28	53	171	52	4,716	49	16,200	50	1.3	1.7	-.13	1.7	-.14	1.6	-.12
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	21	40	104	32	3,321	34	10,894	34							
		4	3-5	3	6	31	9	992	10	3,130	10							
		8	6-10	0	0	12	4	358	4	1,053	3							
		13	11-15	0	0	7	2	147	2	459	1							
		18	16-20	0	0	1	0	57	1	183	1							
		23	More than 20	1	2	3	1	85	1	272	1							
		Total			53	100	329	100	9,676	100	32,191							
Estimated number of assigned pages of student writing.	wrpages											67.6	70.3	-.03	69.5	-.02	66.1	.02
	(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	5	10	28	8	573	6	1,798	5	2.7	2.9	-.23	3.0 **	-.40	3.1 **	-.41
		2	Sometimes	21	40	89	27	2,351	24	7,836	24							
		3	Often	12	23	107	32	2,978	30	9,961	30							
		4	Very often	14	27	110	33	3,935	40	13,183	40							
			Total	52	100	334	100	9,837	100	32,778	100							
b. People from an economic background other than your own	DDeconomic	1	Never	4	8	19	6	492	5	1,564	5	2.8	2.9	-.17	3.0 *	-.28	3.0 *	-.30
		2	Sometimes	17	33	83	25	2,301	23	7,707	24							
		3	Often	18	35	140	42	3,553	36	11,582	35							
		4	Very often	13	25	92	28	3,487	35	11,890	36							
			Total	52	100	334	100	9,833	100	32,743	100							
c. People with religious beliefs other than your own	DDreligion	1	Never	5	10	34	10	699	7	2,225	7	2.8	2.8	.08	2.9	-.10	3.0	-.11
		2	Sometimes	14	27	99	30	2,587	26	8,557	26							
		3	Often	17	33	109	33	3,180	32	10,478	32							
		4	Very often	16	31	90	27	3,358	34	11,468	35							
			Total	52	100	332	100	9,824	100	32,728	100							
d. People with political views other than your own	DDpolitical	1	Never	5	10	24	7	623	6	1,992	6	2.8	2.9	-.07	2.9	-.15	3.0	-.18
		2	Sometimes	15	29	94	28	2,596	26	8,389	26							
		3	Often	17	33	115	35	3,277	33	10,699	33							
		4	Very often	15	29	100	30	3,316	34	11,627	36							
			Total	52	100	333	100	9,812	100	32,707	100							

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Count	%	Count	%	Count	%		Count	%	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
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	14	4	239	2	844	3	2.9	2.9	-.10	3.1	-.24	3.0	-.22
		2	Sometimes	16	31	72	22	2,005	20	6,985	21							
		3	Often	27	52	164	49	4,557	46	14,993	46							
		4	Very often	9	17	82	25	3,029	31	9,932	30							
		Total	52	100	332	100	9,830	100	32,754	100								
b. Reviewed your notes after class	LSnotes	1	Never	5	10	32	10	721	7	2,536	8	2.8	2.8	-.01	2.8	-.03	2.8	.00
		2	Sometimes	14	27	86	26	3,037	31	10,526	32							
		3	Often	20	38	131	39	3,383	34	10,948	33							
		4	Very often	13	25	83	25	2,690	27	8,729	27							
		Total	52	100	332	100	9,831	100	32,739	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	1	2	34	10	783	8	2,665	8	2.8	2.8	.05	2.8	.06	2.7	.08
		2	Sometimes	19	37	92	28	3,126	32	10,596	33							
		3	Often	21	40	124	37	3,619	37	12,004	37							
		4	Very often	11	21	82	25	2,256	23	7,324	22							
		Total	52	100	332	100	9,784	100	32,589	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	7	2	118	1	373	1	5.4	5.2	.10	5.4	-.03	5.4	-.04
		2	2	4	9	3	180	2	621	2								
		3	1	2	19	6	493	5	1,568	5								
		4	7	14	42	13	1,081	11	3,690	11								
		5	18	35	110	33	3,064	31	10,138	31								
		6	12	24	75	23	2,592	26	8,717	27								
		7	Very much	11	22	70	21	2,283	23	7,568	23							
		Total	51	100	332	100	9,811	100	32,675	100								
11. Which of the following have you done or do you plan to do before you graduate? <sup>o</sup>																		
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	Have not decided	4	8	41	12	1,064	11	3,118	10	71%	41% ***	.62	41% ***	.61	46% ***	.52	
		Do not plan to do	5	10	75	23	1,977	20	6,224	19								
		Plan to do	6	12	81	24	2,738	28	8,438	26								
		Done or in progress	37	71	135	41	4,054	41	14,984	46								
		Total	52	100	332	100	9,833	100	32,764	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech			Frequency Distributions								Statistical Comparisons <sup>k</sup>										
			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								
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>			
b. Hold a formal leadership role in a student organization or group	leader		Have not decided	6	12	42	13	1,152	12	3,578	11	33%	26%	.14	31%	.05	34%	-.04			
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	27	52	181	54	4,809	49	15,096	46											
	Plan to do	2	4	23	7	864	9	2,780	8												
	Done or in progress	17	33	87	26	3,003	31	11,279	34												
	Total	52	100	333	100	9,828	100	32,733	100												
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom		Have not decided	6	12	54	16	1,454	15	4,473	14	17%	14%	.08	18%	-.01	20%	-.06			
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	29	56	200	60	5,619	57	18,609	57											
	Plan to do	8	15	31	9	1,007	10	3,146	10												
	Done or in progress	9	17	48	14	1,730	18	6,469	20												
	Total	52	100	333	100	9,810	100	32,697	100												
d. Participate in a study abroad program	abroad		Have not decided	6	12	50	15	1,160	12	3,688	11	10%	5%	.19	9%	.01	13%	-.09			
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	39	75	238	72	6,976	71	22,534	69											
	Plan to do	2	4	28	8	783	8	2,426	7												
	Done or in progress	5	10	16	5	916	9	4,093	13												
	Total	52	100	332	100	9,835	100	32,741	100												
e. Work with a faculty member on a research project	research		Have not decided	9	17	54	16	1,619	17	5,123	16	35%	12% ▲	***	.55	12% ▲	***	.54	14% ▲	***	.48
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	21	40	205	62	5,896	60	19,310	59											
	Plan to do	4	8	33	10	1,094	11	3,599	11												
	Done or in progress	18	35	40	12	1,198	12	4,662	14												
	Total	52	100	332	100	9,807	100	32,694	100												
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone		Have not decided	4	8	35	11	1,050	11	3,201	10	50%	47%	.06	43%	.14	44%	.12			
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	16	31	65	20	2,053	21	6,747	21											
	Plan to do	6	12	76	23	2,465	25	8,314	25												
	Done or in progress	26	50	156	47	4,243	43	14,438	44												
	Total	52	100	332	100	9,811	100	32,700	100												

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

servcourse	1	None	29	56	195	59	4,436	45	15,327	47	1.6	1.5	.04	1.6	-.13	1.6	-.09
	2	Some	18	35	110	33	4,587	47	14,910	46							
	3	Most	4	8	19	6	652	7	2,023	6							
	4	All	1	2	9	3	139	1	426	1							
	Total		52	100	333	100	9,814	100	32,686	100							

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors<sup>a</sup> in Business and Tech

				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
13. Indicate the quality of your interactions with the following people at your institution.																		
a. Students	QIstudent	1	Poor	0	0	6	2	120	1	406	1	5.3	5.3	.01	5.5	-.15	5.6	-.17
		2		1	2	14	4	152	2	533	2							
		3		3	6	25	8	464	5	1,438	4							
		4		9	17	39	12	1,073	11	3,487	11							
		5		17	33	75	23	2,530	26	8,183	25							
		6		7	13	78	23	2,695	27	9,173	28							
		7	Excellent	14	27	92	28	2,705	27	9,202	28							
		—	Not applicable	1	2	4	1	104	1	380	1							
		Total		52	100	333	100	9,843	100	32,802	100							
b. Academic advisors	QIadvisor	1	Poor	0	0	28	8	585	6	1,843	6	5.3	5.0	.17	5.0	.17	5.0	.15
		2		4	8	22	7	553	6	1,854	6							
		3		4	8	19	6	813	8	2,723	8							
		4		6	12	44	13	1,394	14	4,543	14							
		5		12	23	52	16	1,856	19	6,311	19							
		6		9	17	77	23	1,856	19	6,398	20							
		7	Excellent	16	31	89	27	2,569	26	8,578	26							
		—	Not applicable	1	2	2	1	211	2	509	2							
		Total		52	100	333	100	9,837	100	32,759	100							
c. Faculty	QIfaculty	1	Poor	0	0	14	4	186	2	653	2	5.5	5.2	.20	5.3	.11	5.3	.11
		2		1	2	9	3	271	3	963	3							
		3		2	4	30	9	599	6	1,936	6							
		4		9	17	40	12	1,329	14	4,257	13							
		5		14	27	82	25	2,445	25	8,250	25							
		6		10	19	80	24	2,666	27	9,027	28							
		7	Excellent	15	29	77	23	2,243	23	7,369	23							
		—	Not applicable	1	2	1	0	75	1	250	1							
		Total		52	100	333	100	9,814	100	32,705	100							

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors<sup>a</sup> in Business and Tech

				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	3	6	26	8	471	5	1,541	5	5.0	4.7	.18	4.9	.05	4.9	.07
		2		2	4	12	4	451	5	1,580	5							
		3		3	6	24	7	661	7	2,339	7							
		4		7	13	39	12	1,241	13	4,424	14							
		5		9	17	55	17	1,843	19	6,266	19							
		6		8	15	48	14	1,742	18	5,753	18							
		7	Excellent	11	21	46	14	1,614	16	5,297	16							
		—	Not applicable	9	17	82	25	1,790	18	5,482	17							
		Total		52	100	332	100	9,813	100	32,682	100							
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	0	0	26	8	510	5	1,819	6	5.6	4.7 ***	.53	4.9 ***	.42	4.8 ***	.46
		2		1	2	16	5	528	5	1,798	5							
		3		1	2	27	8	821	8	2,805	9							
		4		7	13	65	20	1,490	15	5,214	16							
		5		15	29	67	20	1,984	20	6,837	21							
		6		11	21	52	16	2,000	20	6,363	19							
		7	Excellent	16	31	61	18	1,870	19	5,719	17							
		—	Not applicable	1	2	19	6	632	6	2,223	7							
		Total		52	100	333	100	9,835	100	32,778	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	12	4	192	2	600	2	3.0	3.0	-.02	3.1	-.13	3.1	-.15
		2	Some	13	25	70	21	1,821	19	5,896	18							
		3	Quite a bit	26	50	154	46	4,639	47	15,319	47							
		4	Very much	13	25	98	29	3,152	32	10,883	33							
		Total		52	100	334	100	9,804	100	32,698	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	4	8	32	10	562	6	1,766	5	2.8	2.7	.13	2.9	-.02	2.9	-.03
		2	Some	11	21	101	30	2,640	27	8,560	26							
		3	Quite a bit	26	50	125	38	4,194	43	14,245	44							
		4	Very much	11	21	75	23	2,391	24	8,027	25							
		Total		52	100	333	100	9,787	100	32,598	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	5	9	43	13	1,051	11	3,334	10	2.8	2.6	.14	2.7	.01	2.8	-.02
		2	Some	15	28	101	30	2,762	28	8,871	27							
		3	Quite a bit	21	40	126	38	3,564	36	12,351	38							
		4	Very much	12	23	63	19	2,409	25	8,087	25							
		Total		53	100	333	100	9,786	100	32,643	100							

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Count	%	Count	%	Count	%		Count	%	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	10	19	75	23	1,538	16	5,208	16	2.5	2.4	.10	2.6	-.03	2.6	-.02
		2	Some	13	25	96	29	3,077	31	10,333	32							
		3	Quite a bit	21	40	101	30	3,190	33	10,478	32							
		4	Very much	9	17	61	18	1,984	20	6,620	20							
		Total	53	100	333	100	9,789	100	32,639	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	3	6	55	17	901	9	2,820	9	2.8	2.5 *	.29	2.8	.05	2.8	.01
		2	Some	14	26	108	33	2,778	28	8,969	27							
		3	Quite a bit	26	49	106	32	3,811	39	12,756	39							
		4	Very much	10	19	63	19	2,303	24	8,090	25							
		Total	53	100	332	100	9,793	100	32,635	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	2	4	60	18	1,177	12	3,844	12	2.8	2.5 *	.30	2.7	.12	2.7	.10
		2	Some	18	34	102	31	2,807	29	9,133	28							
		3	Quite a bit	21	40	107	32	3,579	37	12,059	37							
		4	Very much	12	23	63	19	2,198	23	7,554	23							
		Total	53	100	332	100	9,761	100	32,590	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	11	21	149	45	3,342	34	10,979	34	2.2	1.9	.28	2.1	.09	2.1	.08
		2	Some	27	51	103	31	3,460	35	11,564	35							
		3	Quite a bit	11	21	51	15	2,047	21	6,872	21							
		4	Very much	4	8	29	9	945	10	3,222	10							
		Total	53	100	332	100	9,794	100	32,637	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	6	11	85	26	1,653	17	4,942	15	2.6	2.3	.28	2.5	.12	2.6	.05
		2	Some	21	40	96	29	3,208	33	10,172	31							
		3	Quite a bit	13	25	106	32	3,247	33	11,262	35							
		4	Very much	13	25	46	14	1,677	17	6,234	19							
		Total	53	100	333	100	9,785	100	32,610	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	8	15	85	26	2,059	21	6,770	21	2.3	2.3	.08	2.3	.01	2.3	.00
		2	Some	26	49	113	34	3,673	38	12,300	38							
		3	Quite a bit	12	23	96	29	2,793	29	9,299	29							
		4	Very much	7	13	39	12	1,248	13	4,213	13							
		Total	53	100	333	100	9,773	100	32,582	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors<sup>a</sup> in Business and Tech

				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>i</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
15. About how many hours do you spend in a typical 7-day week doing the following?																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmpprephrs	0	0 hrs	1	2	3	1	37	0	161	0	14.3	12.2	.26	14.2	.01	14.3	-.01
	(Recoded version of tmpprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	9	17	58	17	1,488	15	4,859	15							
		8	6-10 hrs	12	23	108	32	2,439	25	8,020	25							
		13	11-15 hrs	9	17	71	21	2,044	21	6,646	20							
		18	16-20 hrs	10	19	46	14	1,678	17	5,739	18							
		23	21-25 hrs	4	8	22	7	946	10	3,173	10							
		28	26-30 hrs	4	8	12	4	548	6	1,809	6							
		33	More than 30 hrs	4	8	13	4	640	7	2,323	7							
			Total	53	100	333	100	9,820	100	32,730	100							
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	22	42	185	55	4,477	46	13,749	42	6.7	3.2 **	.56	4.6	.31	4.9	.25
	(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	9	17	87	26	2,656	27	9,111	28							
		8	6-10 hrs	11	21	31	9	1,168	12	4,335	13							
		13	11-15 hrs	2	4	17	5	659	7	2,484	8							
		18	16-20 hrs	5	9	7	2	431	4	1,539	5							
		23	21-25 hrs	1	2	2	1	201	2	729	2							
		28	26-30 hrs	0	0	1	0	77	1	251	1							
		33	More than 30 hrs	3	6	4	1	128	1	454	1							
			Total	53	100	334	100	9,797	100	32,652	100							
c. Working for pay on campus	tmworkonhrs	0	0 hrs	42	79	260	79	7,642	78	24,510	75	2.3	2.9	-.09	3.2	-.13	3.5	-.17
	(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	6	9	3	231	2	1,010	3							
		8	6-10 hrs	3	6	16	5	492	5	1,922	6							
		13	11-15 hrs	2	4	19	6	482	5	1,870	6							
		18	16-20 hrs	1	2	21	6	604	6	2,043	6							
		23	21-25 hrs	2	4	0	0	163	2	624	2							
		28	26-30 hrs	0	0	3	1	63	1	234	1							
		33	More than 30 hrs	0	0	3	1	132	1	452	1							
			Total	53	100	331	100	9,809	100	32,665	100							

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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			Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	14	26	64	19	3,544	36	12,919	40	15.2	19.8 *	-.35	14.6	.04	13.6	.12
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	6	11	3	335	3	1,287	4							
		8	6-10 hrs	5	9	22	7	503	5	1,721	5							
		13	11-15 hrs	6	11	17	5	622	6	2,005	6							
		18	16-20 hrs	4	8	38	11	1,064	11	3,207	10							
		23	21-25 hrs	7	13	32	10	872	9	2,647	8							
		28	26-30 hrs	3	6	35	11	673	7	1,984	6							
		33	More than 30 hrs	11	21	113	34	2,187	22	6,890	21							
			Total	53	100	332	100	9,800	100	32,660	100							
Estimated number of hours working for pay	tmworkhrs  (Continuous variable created by NSSE)											17.5	22.6 **	-.39	17.8	-.02	17.1	.03
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	25	48	207	62	5,468	56	18,025	55	4.2	2.2	.36	2.7	.30	2.6	.31
	(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	20	38	97	29	3,007	31	10,353	32							
		8	6-10 hrs	1	2	14	4	656	7	2,123	7							
		13	11-15 hrs	1	2	4	1	307	3	1,009	3							
		18	16-20 hrs	1	2	4	1	185	2	570	2							
		23	21-25 hrs	1	2	2	1	74	1	258	1							
		28	26-30 hrs	1	2	2	1	35	0	96	0							
		33	More than 30 hrs	2	4	3	1	58	1	187	1							
			Total	52	100	333	100	9,790	100	32,621	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	1	2	13	4	299	3	976	3	12.7	10.8	.22	11.1	.19	11.3	.16
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	9	17	86	26	2,657	27	8,423	26							
		8	6-10 hrs	17	33	104	31	2,705	28	8,969	27							
		13	11-15 hrs	12	23	49	15	1,726	18	6,045	18							
		18	16-20 hrs	2	4	42	13	1,160	12	3,938	12							
		23	21-25 hrs	5	10	12	4	488	5	1,704	5							
		28	26-30 hrs	2	4	9	3	224	2	796	2							
		33	More than 30 hrs	4	8	18	5	557	6	1,825	6							
			Total	52	100	333	100	9,816	100	32,676	100							



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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State		New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with					
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	33	62	212	64	6,164	63	21,615	66	6.0	5.8	.03	6.0	.01	5.4	.06
	(Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5	9	38	11	1,132	12	3,423	10							
		8	6-10 hrs	4	8	18	5	582	6	1,671	5							
		13	11-15 hrs	2	4	13	4	349	4	1,062	3							
		18	16-20 hrs	2	4	9	3	283	3	912	3							
		23	21-25 hrs	2	4	5	2	139	1	479	1							
		28	26-30 hrs	0	0	3	1	106	1	305	1							
		33	More than 30 hrs	5	9	34	10	1,047	11	3,164	10							
		Total		53	100	332	100	9,802	100	32,631	100							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	14	26	31	9	1,277	13	4,855	15	4.6	5.4	-.14	5.5	-.15	5.2	-.11
	(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	26	49	208	62	5,443	55	18,272	56							
		8	6-10 hrs	9	17	57	17	1,880	19	5,847	18							
		13	11-15 hrs	2	4	18	5	627	6	1,912	6							
		18	16-20 hrs	0	0	10	3	248	3	784	2							
		23	21-25 hrs	0	0	2	1	97	1	334	1							
		28	26-30 hrs	0	0	1	0	54	1	177	1							
		33	More than 30 hrs	2	4	7	2	183	2	527	2							
		Total		53	100	334	100	9,809	100	32,708	100							
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																		
reading		1	Very little	6	11	50	15	1,406	14	5,307	16	2.7	2.8	-.10	2.8	-.09	2.7	-.03
		2	Some	19	36	94	28	2,887	29	9,960	30							
		3	About half	18	34	101	30	2,839	29	9,113	28							
		4	Most	7	13	61	18	1,951	20	6,049	18							
		5	Almost all	3	6	28	8	727	7	2,272	7							
		Total		53	100	334	100	9,810	100	32,701	100							
tmreadinghrs												6.4	6.1	.06	6.7	-.05	6.5	-.01
(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: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>j</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
	tmreadinghrscol	1	0 hrs	1	2	3	1	37	0	160	0							
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	31	58	181	54	5,014	51	17,196	53							
		3	More than 5, up to 10 hrs	9	17	97	29	2,704	28	8,982	28							
		4	More than 10, up to 15 hrs	7	13	21	6	966	10	2,995	9							
		5	More than 15, up to 20 hrs	1	2	14	4	524	5	1,683	5							
		6	More than 20, up to 25 hrs	4	8	9	3	367	4	1,102	3							
		7	More than 25 hrs	0	0	8	2	164	2	467	1							
		Total	53	100	333	100	9,776	100	32,585	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	6	41	13	679	7	2,420	7	2.9	2.8	.16	2.9	.02	2.9	.05
		2	Some	16	30	81	25	2,441	25	8,383	26							
		3	Quite a bit	17	32	125	38	3,998	41	13,116	40							
		4	Very much	17	32	81	25	2,684	27	8,796	27							
		Total	53	100	328	100	9,802	100	32,715	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	6	11	37	11	803	8	2,648	8	2.9	2.8	.07	2.9	.01	2.9	.00
		2	Some	13	25	78	23	2,431	25	8,052	25							
		3	Quite a bit	15	28	126	38	3,771	38	12,528	38							
		4	Very much	19	36	91	27	2,822	29	9,500	29							
		Total	53	100	332	100	9,827	100	32,728	100								
c. Thinking critically and analytically	pgthink	1	Very little	0	0	23	7	329	3	1,006	3	3.3	3.0	.28	3.2	.14	3.2	.11
		2	Some	10	19	50	15	1,584	16	5,160	16							
		3	Quite a bit	18	34	148	45	4,013	41	13,152	40							
		4	Very much	25	47	111	33	3,903	40	13,440	41							
		Total	53	100	332	100	9,829	100	32,758	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	8	15	25	8	449	5	1,460	4	2.8	3.0	-.25	3.0	-.32	3.1 *	-.35
		2	Some	11	21	56	17	2,081	21	6,746	21							
		3	Quite a bit	19	36	145	44	3,824	39	12,510	38							
		4	Very much	15	28	105	32	3,467	35	12,022	37							
		Total	53	100	331	100	9,821	100	32,738	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				Fitchburg State	New England Public		Nat. Public Masters		All Nat. Public		Fitchburg State	Your seniors compared with						
					Count	%	Count	%	Count	%		Count	%	Public	Nat. Public Masters		All Nat. Public	
Item wording or description	Variable name <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	8	15	47	14	795	8	2,504	8	2.8	2.7	.07	2.9	-.17	3.0	-.20
		2	Some	14	26	77	23	2,196	22	7,118	22							
		3	Quite a bit	12	23	129	39	3,543	36	11,706	36							
		4	Very much	19	36	80	24	3,283	33	11,412	35							
		Total	53	100	333	100	9,817	100	32,740	100								
f. Working effectively with others	pgothers	1	Very little	3	6	32	10	495	5	1,678	5	3.1	2.8	.25	3.0	.02	3.0	.02
		2	Some	12	23	78	24	2,039	21	6,763	21							
		3	Quite a bit	17	32	135	41	3,900	40	12,783	39							
		4	Very much	21	40	85	26	3,383	34	11,507	35							
		Total	53	100	330	100	9,817	100	32,731	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	2	4	52	16	1,181	12	4,081	12	3.0	2.7 *	.37	2.8 *	.29	2.7 *	.30
		2	Some	15	28	80	24	2,578	26	8,738	27							
		3	Quite a bit	15	28	126	38	3,522	36	11,374	35							
		4	Very much	21	40	75	23	2,551	26	8,553	26							
		Total	53	100	333	100	9,832	100	32,746	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	5	9	56	17	1,177	12	4,118	13	2.9	2.6 *	.33	2.7	.19	2.7	.20
		2	Some	12	23	97	29	2,848	29	9,587	29							
		3	Quite a bit	19	36	111	33	3,303	34	10,821	33							
		4	Very much	17	32	68	20	2,495	25	8,194	25							
		Total	53	100	332	100	9,823	100	32,720	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	5	9	51	15	977	10	3,300	10	2.8	2.6	.17	2.8	.04	2.8	.02
		2	Some	17	32	89	27	2,866	29	9,145	28							
		3	Quite a bit	15	28	126	38	3,534	36	11,862	36							
		4	Very much	16	30	66	20	2,437	25	8,415	26							
		Total	53	100	332	100	9,814	100	32,722	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	6	11	66	20	1,461	15	5,061	16	2.7	2.4	.26	2.6	.11	2.6	.12
		2	Some	18	34	107	32	3,116	32	10,327	32							
		3	Quite a bit	15	28	103	31	3,172	32	10,466	32							
		4	Very much	14	26	55	17	2,034	21	6,753	21							
		Total	53	100	331	100	9,783	100	32,607	100								

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

## Frequencies and Statistical Comparisons: Business and Tech

### Fitchburg State University

#### Seniors<sup>a</sup> in Business and Tech

Seniors <sup>a</sup> in Business and Tech				Frequency Distributions								Statistical Comparisons <sup>k</sup>						
				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 <sup>l</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>	Mean	Effect size <sup>n</sup>
18. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	3	6	16	5	294	3	934	3	3.1	3.0	.14	3.2	-.07	3.2	-.11
		2	Fair	9	17	58	17	1,289	13	4,226	13							
		3	Good	20	38	169	51	4,732	48	15,064	46							
		4	Excellent	21	40	90	27	3,520	36	12,552	38							
		Total		53	100	333	100	9,835	100	32,776	100							
19. If you could start over again, would you go to the same institution you are now attending?																		
	sameinst	1	Definitely no	3	6	25	7	467	5	1,567	5	3.1	3.0	.17	3.2	-.07	3.2	-.09
		2	Probably no	7	13	67	20	1,340	14	4,285	13							
		3	Probably yes	24	45	139	42	4,094	42	13,241	40							
		4	Definitely yes	19	36	103	31	3,950	40	13,727	42							
		Total		53	100	334	100	9,851	100	32,820	100							

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

Respondent Profile: Business and Tech

Fitchburg State University

## Business and Tech

			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			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	29	94	161	80	4,890	83	17,794	80	47	89	292	87	8,365	85	26,929	82
		More than one	2	6	41	20	1,006	17	4,526	20	6	11	42	13	1,504	15	5,972	18
		Total	31	100	202	100	5,896	100	22,320	100	53	100	334	100	9,869	100	32,901	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	1	3	5	2	98	2	758	3	1	2	1	0	80	1	722	2
		Biological Sci., Agriculture, & Natural Resources	0	0	1	0	27	0	96	0	1	2	0	0	12	0	70	0
		Physical Sci., Mathematics, & Computer Science	4	13	42	21	1,057	18	4,141	19	4	8	39	12	1,207	12	3,986	12
		Social Sciences	0	0	2	1	49	1	196	1	0	0	0	0	77	1	241	1
		Business	14	45	134	66	4,033	68	14,387	64	25	47	274	82	7,390	75	23,382	71
		Communications, Media, & Public Relations	0	0	1	0	18	0	109	0	1	2	0	0	14	0	73	0
		Education	0	0	1	0	11	0	38	0	0	0	0	0	12	0	35	0
		Engineering	0	0	8	4	309	5	1,675	8	1	2	8	2	455	5	2,548	8
		Health Professions	0	0	1	0	18	0	103	0	0	0	1	0	19	0	74	0
		Social Service Professions	0	0	1	0	32	1	64	0	0	0	1	0	30	0	70	0
		All Other	12	39	6	3	240	4	736	3	20	38	10	3	571	6	1,692	5
		Undecided, Undeclared	0	0	0	0	4	0	13	0	0	0	0	0	2	0	4	0
		Total	31	100	202	100	5,896	100	22,316	100	53	100	334	100	9,869	100	32,897	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	2	100	3	7	82	8	358	8	1	17	5	12	73	5	342	6
		Biological Sci., Agriculture, & Natural Resources	0	0	2	5	15	1	67	1	0	0	0	0	15	1	62	1
		Physical Sci., Mathematics, & Computer Science	0	0	3	7	88	9	547	12	0	0	3	7	118	8	559	9
		Social Sciences	0	0	1	2	57	6	273	6	1	17	4	10	86	6	396	7
		Business	0	0	24	59	598	60	2,497	55	3	50	22	52	949	63	3,598	60
		Communications, Media, & Public Relations	0	0	0	0	20	2	100	2	1	17	2	5	19	1	98	2
		Education	0	0	0	0	10	1	30	1	0	0	0	0	19	1	52	1
		Engineering	0	0	1	2	40	4	219	5	0	0	1	2	56	4	266	4
		Health Professions	0	0	0	0	12	1	54	1	0	0	1	2	29	2	98	2
		Social Service Professions	0	0	3	7	27	3	78	2	0	0	2	5	25	2	96	2
		All Other	0	0	2	5	42	4	217	5	0	0	2	5	90	6	329	6
		Undecided, Undeclared	0	0	2	5	11	1	73	2	0	0	0	0	16	1	55	1
		Total	2	100	41	100	1,002	100	4,513	100	6	100	42	100	1,495	100	5,951	100

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

## Respondent Profile: Business and Tech

### Fitchburg State University

#### Business and Tech

Business and Tech			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>								
			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	30	97	179	90	4,920	84	18,936	85	0	0	1	0	28	0	80	0	
		Sophomore	1	3	19	10	817	14	2,679	12	0	0	2	1	53	1	288	1	
		Junior	0	0	1	1	84	1	383	2	0	0	10	3	590	6	2,460	8	
		Senior	0	0	0	0	29	0	110	0	47	90	312	94	8,954	91	29,286	90	
		Unclassified	0	0	0	0	18	0	85	0	5	10	6	2	177	2	596	2	
		Total	31	100	199	100	5,868	100	22,193	100	52	100	331	100	9,802	100	32,710	100	
22. Thinking about this current academic term, are you a full-time student?	fulltime	No	0	0	6	3	202	3	811	4	10	20	102	31	2,056	21	6,769	21	
		Yes	31	100	191	97	5,622	97	21,230	96	41	80	228	69	7,678	79	25,721	79	
		Total	31	100	197	100	5,824	100	22,041	100	51	100	330	100	9,734	100	32,490	100	
23a. How many courses are you taking for credit this current academic term?	coursenum	0	0	0	0	0	0	18	0	75	0	6	12	5	2	250	3	755	2
		1	0	0	0	0	33	1	104	0	8	15	18	5	319	3	1,029	3	
		2	0	0	3	2	69	1	300	1	4	8	51	15	910	9	2,778	8	
		3	1	3	8	4	331	6	837	4	3	6	46	14	1,356	14	4,077	12	
		4	5	16	59	30	1,554	26	5,957	27	10	19	107	32	3,055	31	10,081	31	
		5	23	74	100	50	2,642	45	9,749	44	16	31	72	22	2,379	24	8,435	26	
		6	2	6	18	9	788	13	3,426	15	2	4	19	6	964	10	3,445	11	
		7 or more	0	0	11	6	436	7	1,767	8	3	6	14	4	584	6	2,147	7	
		Total	31	100	199	100	5,871	100	22,215	100	52	100	332	100	9,817	100	32,747	100	
b. Of these, how many are entirely online ?	onlinenum	0	25	81	177	89	4,599	79	17,110	77	37	71	232	70	6,181	63	20,712	63	
		1	4	13	16	8	841	14	3,396	15	7	13	61	18	2,030	21	6,514	20	
		2	1	3	3	2	255	4	967	4	4	8	28	8	847	9	2,793	9	
		3	1	3	2	1	90	2	330	1	1	2	3	1	384	4	1,331	4	
		4	0	0	0	0	32	1	163	1	2	4	5	2	216	2	739	2	
		5	0	0	0	0	12	0	52	0	1	2	0	0	58	1	234	1	
		6	0	0	0	0	4	0	25	0	0	0	1	0	39	0	168	1	
		7 or more	0	0	0	0	6	0	36	0	0	0	1	0	30	0	128	0	
		Total	31	100	198	100	5,839	100	22,079	100	52	100	331	100	9,785	100	32,619	100	
Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum.)	onlinecrscol	No courses taken online	25	81	177	89	4,599	79	17,109	77	37	71	232	70	6,181	63	20,712	63	
		Some courses taken online	6	19	21	11	1,138	19	4,513	20	11	21	85	26	2,876	29	9,304	29	
		All courses taken online	0	0	0	0	102	2	455	2	4	8	14	4	728	7	2,602	8	
		Total	31	100	198	100	5,839	100	22,077	100	52	100	331	100	9,785	100	32,618	100	

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

Respondent Profile: Business and Tech

Fitchburg State University

## Business and Tech

Business and Tech			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			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	1	3	7	4	105	2	379	2	0	0	0	0	42	0	136	0
		C	0	0	4	2	175	3	609	3	0	0	4	1	231	2	672	2
		C+	3	10	10	5	270	5	974	4	2	4	18	5	558	6	1,619	5
		B-	0	0	17	9	452	8	1,484	7	3	6	20	6	815	8	2,505	8
		B	9	29	40	20	1,233	21	4,168	19	7	13	59	18	2,199	22	7,016	21
		B+	10	32	33	17	1,129	19	4,166	19	16	31	64	19	1,954	20	6,527	20
		A-	5	16	55	28	1,129	19	4,453	20	13	25	80	24	1,695	17	5,990	18
		A	3	10	32	16	1,369	23	5,930	27	11	21	87	26	2,300	23	8,211	25
Total	31	100	198	100	5,862	100	22,163	100	52	100	332	100	9,794	100	32,676	100		
25. Did you begin college at this institution or elsewhere?	begincol	Started here	31	100	191	97	5,393	92	20,185	91	33	63	125	38	4,151	42	16,090	49
		Started elsewhere	0	0	6	3	457	8	1,950	9	19	37	206	62	5,625	58	16,547	51
		Total	31	100	197	100	5,850	100	22,135	100	52	100	331	100	9,776	100	32,637	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	8	26	3	2	167	3	596	3	3	6	17	5	674	7	2,123	7
	attend_com	Community or junior college	1	3	5	3	452	8	1,810	8	14	27	152	46	5,066	52	14,746	45
	attend_col	4-year college or university other than this one	3	10	22	11	552	9	2,148	10	14	27	135	41	2,698	28	8,863	27
	attend_none	None	19	61	164	83	4,539	78	17,194	78	26	50	91	28	2,948	30	11,707	36
	attend_other	Other	1	3	9	5	213	4	777	4	2	4	18	5	388	4	1,227	4
27. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree	2	6	23	12	438	8	1,450	7	5	10	24	7	667	7	2,008	6
		Bachelor's degree (B.A., B.S., etc.)	19	61	85	44	2,586	44	9,068	41	29	56	133	40	4,228	43	13,354	41
		Master's degree (M.A., M.S., etc.)	10	32	75	38	2,378	41	9,569	43	16	31	152	46	4,142	42	14,535	45
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	0	0	12	6	427	7	2,000	9	2	4	22	7	739	8	2,742	8
		Total	31	100	195	100	5,829	100	22,087	100	52	100	331	100	9,776	100	32,639	100

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

## Respondent Profile: Business and Tech

### Fitchburg State University

#### Business and Tech

			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			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	2	6	9	5	446	8	1,313	6	2	4	28	8	802	8	2,139	7
		High school diploma or G.E.D.	8	26	59	30	1,120	19	3,655	17	8	15	83	25	2,155	22	6,361	20
		Attended college, but did not complete degree	3	10	26	13	657	11	2,233	10	8	15	44	13	1,122	12	3,453	11
		Associate's degree (A.A., A.S., etc.)	8	26	28	14	587	10	1,978	9	8	15	49	15	1,031	11	3,247	10
		Bachelor's degree (B.A., B.S., etc.)	7	23	43	22	1,754	30	6,965	32	22	42	87	26	2,876	29	9,964	31
		Master's degree (M.A., M.S., etc.)	3	10	29	15	1,012	17	4,554	21	4	8	38	11	1,387	14	5,581	17
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	0	0	3	2	231	4	1,324	6	0	0	3	1	378	4	1,789	5
		Total	31	100	197	100	5,807	100	22,022	100	52	100	332	100	9,751	100	32,534	100
First-generation status (Neither parent holds a bachelor's degree.)	firstgen (Recoded from parented.)	Not first-generation	10	32	75	38	2,997	52	12,843	58	26	50	128	39	4,641	48	17,334	53
		First-generation	21	68	122	62	2,810	48	9,179	42	26	50	204	61	5,110	52	15,200	47
		Total	31	100	197	100	5,807	100	22,022	100	52	100	332	100	9,751	100	32,534	100
29. What is your gender identity?	genderid	Man	17	55	106	54	2,951	51	11,205	51	20	38	154	46	4,648	48	15,783	48
		Woman	13	42	85	43	2,803	48	10,518	48	28	54	171	52	4,947	51	16,152	50
		Another gender identity	1	3	1	1	41	1	180	1	1	2	1	0	69	1	260	1
		I prefer not to respond	0	0	4	2	46	1	205	1	3	6	6	2	108	1	418	1
		Total	31	100	196	100	5,841	100	22,108	100	52	100	332	100	9,772	100	32,613	100
30. Enter your year of birth (e.g., 1994):	agecat (Recoded from the information entered in birthyear.)	19 or younger	30	97	171	90	5,118	89	19,345	88	0	0	1	0	36	0	185	1
		20-23	1	3	15	8	448	8	1,780	8	34	67	168	51	5,378	56	19,480	60
		24-29	0	0	3	2	102	2	364	2	9	18	83	25	2,188	23	6,350	20
		30-39	0	0	1	1	64	1	245	1	3	6	47	14	1,207	12	3,674	11
		40-55	0	0	1	1	40	1	154	1	3	6	25	8	776	8	2,287	7
		Over 55	0	0	0	0	2	0	22	0	2	4	4	1	92	1	315	1
		Total	31	100	191	100	5,774	100	21,910	100	51	100	328	100	9,677	100	32,291	100
31a. Are you an international student?	internat	No	31	100	188	97	5,435	94	20,303	93	49	98	314	97	9,175	95	30,625	95
		Yes	0	0	5	3	360	6	1,645	7	1	2	11	3	520	5	1,750	5
		Total	31	100	193	100	5,795	100	21,948	100	50	100	325	100	9,695	100	32,375	100
	countrycol (Recoded from country.)	Africa Sub-Saharan	0	0	0	0	19	6	82	5	0	0	3	27	26	5	106	6
		Asia	0	0	1	20	182	54	938	60	0	0	4	36	263	54	914	56
		Canada	0	0	2	40	7	2	31	2	1	100	0	0	6	1	25	2
		Europe	0	0	1	20	58	17	180	12	0	0	1	9	58	12	171	10
		Latin America and Caribbean	0	0	1	20	33	10	184	12	0	0	2	18	61	13	229	14
		Middle East and North Africa	0	0	0	0	38	11	127	8	0	0	1	9	68	14	168	10
		Oceania	0	0	0	0	1	0	9	1	0	0	0	0	2	0	25	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	338	100	1,551	100	1	100	11	100	484	100	1,638	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: Business and Tech

### Fitchburg State University

#### Business and Tech

			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			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	2	6	1	1	95	2	436	2	2	4	7	2	212	2	653	2
	re_asian	Asian	1	3	16	8	789	14	3,054	14	1	2	22	7	1,401	14	4,005	12
	re_black	Black or African American	3	10	16	8	555	10	2,385	11	7	13	41	12	761	8	2,778	9
	re_latino	Hispanic or Latino	4	13	24	12	854	15	2,872	13	3	6	28	8	1,253	13	3,915	12
	re_pacific	Native Hawaiian or Other Pacific Islander	0	0	1	1	82	1	247	1	1	2	4	1	77	1	271	1
	re_white	White	23	74	141	72	3,618	62	13,906	63	42	81	229	69	6,126	63	21,350	66
	re_other	Other	0	0	3	2	143	2	522	2	0	0	12	4	261	3	805	2
	re_pnr	I prefer not to respond	0	0	7	4	171	3	622	3	2	4	16	5	381	4	1,244	4
	Racial or ethnic identification	re_all	0	0	1	1	27	0	111	1	0	0	0	0	62	1	192	1
		(Recoded from re_amind to re_pnr where each student is represented only once.)	1	3	13	7	660	11	2,604	12	0	0	18	5	1,233	13	3,454	11
		Black or African American	2	6	12	6	449	8	1,940	9	5	10	30	9	635	7	2,310	7
		Hispanic or Latino	4	13	17	9	676	12	2,105	10	3	6	22	7	970	10	2,963	9
		Native Hawaiian/Other Pac. Islander	0	0	0	0	34	1	75	0	0	0	0	0	21	0	84	0
		White	22	71	130	67	3,292	57	12,528	57	38	73	218	66	5,619	58	19,601	60
		Other	0	0	1	1	82	1	298	1	0	0	9	3	183	2	525	2
		Multiracial	2	6	14	7	420	7	1,714	8	4	8	18	5	623	6	2,105	6
		I prefer not to respond	0	0	7	4	171	3	622	3	2	4	16	5	381	4	1,244	4
		Total	31	100	195	100	5,811	100	21,997	100	52	100	331	100	9,727	100	32,478	100
33. Are you a member of a social fraternity or sorority?	greek	No	31	100	184	94	5,257	90	19,328	88	46	88	308	93	8,746	90	28,385	87
		Yes	0	0	12	6	570	10	2,712	12	6	12	24	7	1,012	10	4,153	13
		Total	31	100	196	100	5,827	100	22,040	100	52	100	332	100	9,758	100	32,538	100
34. Which of the following best describes where you are living while attending college?	living	Residence hall, dormitory or other camp.	19	61	102	52	3,363	58	13,846	63	10	19	31	9	684	7	2,799	9
		Fraternity or sorority house	0	0	0	0	42	1	245	1	1	2	0	0	87	1	504	2
		Residence (house, apartment, etc.) within walking distance to the institution	3	10	12	6	454	8	1,728	8	9	17	47	14	2,221	23	8,322	26
		Residence (house, apartment, etc.) farther than walking distance to the institution	5	16	63	32	1,651	28	5,258	24	27	52	209	64	6,053	62	18,953	58
		None of the above	4	13	18	9	292	5	898	4	5	10	42	13	677	7	1,896	6
		Total	31	100	195	100	5,802	100	21,975	100	52	100	329	100	9,722	100	32,474	100
35. Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	27	87	178	91	5,351	92	20,450	93	45	87	318	97	9,351	96	31,231	96
		Yes	4	13	17	9	446	8	1,490	7	7	13	11	3	372	4	1,212	4
		Total	31	100	195	100	5,797	100	21,940	100	52	100	329	100	9,723	100	32,443	100

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

## Respondent Profile: Business and Tech

### Fitchburg State University

#### Business and Tech

			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			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	31	100	190	97	5,690	98	21,356	97	52	100	318	97	9,180	95	30,604	94
		Yes	0	0	5	3	103	2	584	3	0	0	11	3	534	5	1,816	6
		Total	31	100	195	100	5,793	100	21,940	100	52	100	329	100	9,714	100	32,420	100
37a. Have you been diagnosed with any disability or impairment?	disability	No	23	74	167	85	5,123	88	19,411	88	36	69	284	86	8,407	86	28,356	87
		Yes	6	19	22	11	492	8	1,870	8	11	21	32	10	989	10	3,103	10
		I prefer not to respond	2	6	7	4	202	3	742	3	5	10	14	4	354	4	1,077	3
		Total	31	100	196	100	5,817	100	22,023	100	52	100	330	100	9,750	100	32,536	100
b. [If answered "yes"] Which of the following has been diagnosed? (Select all that apply.)	dis_sense	A sensory impairment (vision or hearing)	2	33	1	5	87	18	300	16	1	9	0	0	136	14	402	13
	dis_mobility	A mobility impairment	0	0	1	5	26	5	114	6	2	18	3	10	128	13	336	11
	dis_learning	A learning disability (e.g., ADHD, dyslexia)	4	67	11	50	231	47	901	48	9	82	11	37	431	44	1,427	46
	dis_mental	A mental health disorder	4	67	11	50	159	33	562	30	3	27	12	40	331	34	1,009	33
	dis_other	A disability or impairment not listed above	0	0	6	27	80	16	326	18	1	9	6	20	222	23	662	22
	Disability or impairment	disability_all	0	0	0	0	60	1	210	1	0	0	0	0	75	1	231	1
		(Recoded from disability and dis_sense to dis_other where each student is represented only once.)	0	0	1	1	17	0	77	0	1	2	2	1	64	1	173	1
		A sensory impairment	1	3	4	2	170	3	684	3	5	10	10	3	305	3	1,049	3
		A mobility impairment	2	6	6	3	101	2	353	2	1	2	11	3	198	2	603	2
		A learning disability	0	0	3	2	53	1	232	1	0	0	5	2	135	1	411	1
		A mental health disorder	3	10	8	4	86	1	303	1	4	8	2	1	203	2	609	2
		A disability or impairment not listed	23	74	167	85	5,123	88	19,411	88	36	69	284	87	8,407	86	28,356	87
		More than one disability or impairment	2	6	7	4	202	3	742	3	5	10	14	4	354	4	1,077	3
		No disability or impairment	31	100	196	100	5,812	100	22,012	100	52	100	328	100	9,741	100	32,509	100
		Prefer not to respond																
38. Which of the following best describes your sexual orientation?	sexorient17	Straight (heterosexual)	26	87	143	89	3,693	89	13,110	90	40	77	249	84	6,497	89	19,695	89
		Bisexual	0	0	5	3	133	3	483	3	2	4	8	3	170	2	543	2
		Gay	0	0	0	0	39	1	174	1	1	2	7	2	102	1	350	2
		Lesbian	0	0	1	1	28	1	77	1	2	4	4	1	46	1	129	1
		Queer	0	0	0	0	11	0	38	0	1	2	0	0	16	0	69	0
		Questioning or unsure	0	0	1	1	43	1	138	1	0	0	3	1	41	1	125	1
		Another sexual orientation	3	10	2	1	48	1	177	1	1	2	1	0	55	1	218	1
		I prefer not to respond	1	3	9	6	146	4	451	3	5	10	25	8	339	5	938	4
		Total	30	100	161	100	4,141	100	14,648	100	52	100	297	100	7,266	100	22,067	100

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

## Respondent Profile: Business and Tech

### Fitchburg State University





#### Business and Tech

			First-Year Students <sup>a</sup>								Seniors <sup>a</sup>							
			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	%
<b>Institution-reported information</b>																		
(Variables provided by your institution in your NSSE population file.)																		
Institution-reported: Sex	IRsex	Female	14	45	87	43	2,842	48	10,728	48	32	60	173	52	5,033	51	16,507	50
		Male	17	55	115	57	3,054	52	11,591	52	21	40	161	48	4,834	49	16,392	50
		Total	31	100	202	100	5,896	100	22,319	100	53	100	334	100	9,867	100	32,899	100
Institution-reported: Race or ethnicity	IRrace	American Indian or Alaska Native	0	0	0	0	26	1	104	1	0	0	0	0	60	1	224	1
		Asian	1	3	10	5	424	8	1,549	8	0	0	16	5	861	10	2,373	8
		Black or African American	2	6	13	7	402	8	1,741	9	6	11	37	11	610	7	2,191	7
		Hispanic or Latino	5	16	25	14	728	14	2,409	12	4	8	30	9	1,035	12	3,366	12
		Native Hawaiian/Other Pac. Islander	0	0	0	0	16	0	37	0	0	0	0	0	10	0	49	0
		White	22	71	114	63	2,862	56	11,246	57	41	77	209	65	5,041	58	17,878	61
		Other	0	0	0	0	12	0	13	0	0	0	0	0	7	0	7	0
		Foreign or nonresident alien	0	0	4	2	295	6	1,338	7	0	0	5	2	446	5	1,427	5
		Two or more races/ethnicities	1	3	7	4	176	3	650	3	2	4	6	2	293	3	858	3
		Unknown	0	0	9	5	131	3	475	2	0	0	21	6	302	3	868	3
		Total	31	100	182	100	5,072	100	19,562	100	53	100	324	100	8,665	100	29,241	100
Institution-reported: Class level	IRclass	Freshman/First-Year	31	100	202	100	5,896	100	22,320	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	53	100	334	100	9,869	100	32,902	100
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	31	100	202	100	5,896	100	22,320	100	53	100	334	100	9,869	100	32,902	100
Institution-reported: First-time first-year (FTFY) student	IRftfy	Not first-time first-year	0	0	17	8	796	14	2,895	13	53	100	334	100	9,783	99	32,680	99
		First-time first-year	31	100	185	92	5,100	86	19,424	87	0	0	0	0	86	1	222	1
		Total	31	100	202	100	5,896	100	22,319	100	53	100	334	100	9,869	100	32,902	100
Institution-reported: Enrollment status	IRenrollment	Not full-time	0	0	6	3	247	4	943	4	8	15	97	29	1,998	20	6,498	20
		Full-time	31	100	196	97	5,649	96	21,377	96	45	85	237	71	7,871	80	26,404	80
		Total	31	100	202	100	5,896	100	22,320	100	53	100	334	100	9,869	100	32,902	100

## Endnotes

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