



**National Survey
of Student Engagement**

Virginia Polytechnic Institute and State University

Mean Comparisons

August 2008

Interpreting the Mean Comparisons Report

Sample

The *Mean Comparisons* report is based on information from all randomly selected students for both your institution and your comparison institutions. Targeted oversamples and other non-randomly selected students are not included in this report.

Variables

The items from the NSSE survey appear in the left column in the same order and wording as they appear on the instrument. The name of each variable appears in the second column for easy reference to your data file and the summary statistics at the end of this section. Response options are also provided to help you interpret the statistics.

Benchmark

Items that make up the five “Benchmarks of Effective Educational Practice” are indicated by the following:

LAC=Level of Academic Challenge

ACL=Active and Collaborative Learning

SFI=Student-Faculty Interaction

EEE=Enriching Educational Experiences

SCE=Supportive Campus Environment

Mean

The mean is the *weighted* arithmetic average of student responses on a particular item. Means are provided for your institution and all comparison groups. For more information about weighting go to:

www.nsse.iub.edu/2008_Institutional_Report/NSSE_2008_Weighting.cfm.

Class

Results are reported separately for first-year students (FY) and seniors (SR). Institution-reported class ranks are used.

Statistical Significance

Items with mean differences that are larger than would be expected by chance alone are noted with one, two, or three asterisks, referring to three significance levels ($p < .05$, $p < .01$, and $p < .001$). The smaller the significance level, the smaller the likelihood that the difference is due to chance. *Statistical significance does not guarantee the result is substantive or important.* Large sample sizes (like those produced by NSSE) tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. It is recommended to consult effect sizes (see below) to judge the practical meaning of the results.

Effect Size

Effect size indicates the “practical significance” of the mean difference. It is calculated by dividing the mean difference by the pooled standard deviation. In practice, an effect size of .2 is often considered small, .5 moderate, and .8 large. A positive sign indicates that your institution's mean was greater, thus showing an affirmative result for your institution. A negative sign indicates the institution lags behind the comparison group, suggesting that the student behavior or

**NSSE 2008 Mean Comparisons
NSSEville State University**

NSSEville State compared with:

Variable	Bench- mark	Class	NSSEville State			Mid East Public			Carnegie Class			NSSE 2008		
			Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c
<i>In your experience at your institution during the current school year, about how often have you done each of the following? 1=never, 2=sometimes, 3=often, 4=very often</i>														
1. Academic and Intellectual Experiences														
a. Asked questions in class or contributed to class discussions	CLQUEST	ACL	FY	2.84	2.65 ***	.23	2.62 ***	2.91 ***	.27	2.74 **	.12	2.74 **	.12	
			SR	3.27	2.90 ***	.43	2.91 ***	2.91 ***	.41	3.03 ***	.27	3.03 ***	.27	
b. Made a class presentation	CLPRESEN	ACL	FY	2.33	2.09 ***	.33	2.08 ***	2.08 ***	.33	2.21 ***	.15	2.21 ***	.15	
			SR	2.85	2.62 ***	.27	2.65 ***	2.65 ***	.24	2.77 *	.10	2.77 *	.10	
c. Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP		FY	2.59	2.53	.07	2.53	2.53	.06	2.64	-.05	2.64	-.05	
			SR	2.57	2.30 ***	.28	2.37 ***	2.37 ***	.20	2.47 *	.10	2.47 *	.10	
d. Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT		FY	3.04	2.96 **	.11	2.95 **	2.95 **	.11	3.03	.02	3.03	.02	
			SR	3.34	3.22 **	.15	3.24 **	3.24 **	.13	3.29	.06	3.29	.06	
e. Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS		FY	2.84	2.71 ***	.14	2.72 **	2.72 **	.13	2.75 *	.09	2.75 *	.09	
			SR	2.88	2.73 ***	.17	2.73 ***	2.73 ***	.16	2.80 *	.09	2.80 *	.09	
f. Come to class without completing readings or assignments	CLUNPREP		FY	1.97	2.07 **	-.12	2.09 ***	2.09 ***	-.15	2.02	-.06	2.02	-.06	
			SR	1.95	2.23 ***	-.36	2.22 ***	2.22 ***	-.33	2.11 ***	-.20	2.11 ***	-.20	

institutional practice represented by the item may warrant attention. An exception to this interpretation is the “coming to class unprepared” item (item 1f.) where a negative sign is preferred (i.e., meaning fewer students reporting coming to class unprepared).

**NSSE 2008 Mean Comparisons
Virginia Polytechnic Institute and State University**

Virginia Tech compared with:

Variable	Bench- mark	Class	Virginia Tech		Selected Peers			Carnegie Class			NSSE 2008			
			Mean ^a		Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	
<i>In your experience at your institution during the current school year, about how often have you done each of the following? 1=Never, 2=Sometimes, 3=Often, 4=Very often</i>														
1. Academic and Intellectual Experiences														
a.	Asked questions in class or contributed to class discussions	CLQUEST	ACL	FY	2.42	2.51	**	-.11	2.58	***	-.20	2.78	***	-.43
				SR	2.71	2.75				2.82	***	-.12	3.07	***
b.	Made a class presentation	CLPRESEN	ACL	FY	2.26	2.00	***	.36	2.06	***	.27	2.27		-.02
				SR	2.67	2.52	***	.18	2.57	***	.13	2.80	***	-.15
c.	Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP		FY	2.44	2.39		.04	2.47		-.03	2.65	***	-.22
				SR	2.23	2.27		-.04	2.26		-.03	2.47	***	-.25
d.	Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT		FY	2.92	2.85	*	.09	2.93		-.01	3.06	***	-.19
				SR	3.16	3.17		.00	3.20		-.04	3.30	***	-.19
e.	Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS		FY	2.60	2.63		-.03	2.70	***	-.12	2.78	***	-.21
				SR	2.45	2.61	***	-.17	2.68	***	-.25	2.81	***	-.40
f.	Come to class without completing readings or assignments	CLUNPREP		FY	2.09	2.11		-.03	2.11		-.03	2.01	**	.10
				SR	2.28	2.28		.00	2.27		.01	2.10	***	.23
g.	Worked with other students on projects during class	CLASSGRP	ACL	FY	2.41	2.30	***	.13	2.32	**	.11	2.41		.00
				SR	2.39	2.38		.00	2.38		.01	2.52	***	-.15
h.	Worked with classmates outside of class to prepare class assignments	OCCGRP	ACL	FY	2.62	2.43	***	.23	2.43	***	.23	2.40	***	.25
				SR	3.02	2.79	***	.26	2.78	***	.26	2.75	***	.30
i.	Put together ideas or concepts from different courses when completing assignments or during class discussions	INTIDEAS		FY	2.68	2.58	***	.14	2.61	**	.09	2.63		.06
				SR	2.93	2.92		.01	2.94		-.01	2.94		-.02
j.	Tutored or taught other students (paid or voluntary)	TUTOR	ACL	FY	1.88	1.77	***	.13	1.77	***	.13	1.70	***	.20
				SR	1.87	1.89		-.02	1.87		.00	1.88		-.01
k.	Participated in a community-based project (e.g. service learning) as part of a regular course	COMMPROJ	ACL	FY	1.83	1.54	***	.36	1.53	***	.37	1.60	***	.28
				SR	1.61	1.58		.05	1.61		.01	1.74	***	-.14

^a Weighted by gender, enrollment status, and institutional size.

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by the pooled standard deviation.

**NSSE 2008 Mean Comparisons
Virginia Polytechnic Institute and State University**

Virginia Tech compared with:

	Variable	Bench- mark	Class	Virginia Tech		Selected Peers			Carnegie Class			NSSE 2008		
				Mean ^a		Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c
l.	Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment	ITACADEM	EEE	FY	2.85	2.66	***	.19	2.67	***	.19	2.59	***	.25
				SR	2.95	2.84	**	.11	2.83	***	.12	2.82	***	.12
m.	Used e-mail to communicate with an instructor	EMAIL		FY	3.14	3.01	***	.16	3.05	**	.11	3.11		.04
				SR	3.38	3.33		.06	3.36		.02	3.38		.00
n.	Discussed grades or assignments with an instructor	FACGRADE	SFI	FY	2.45	2.39		.07	2.45		-.01	2.62	***	-.19
				SR	2.71	2.62	**	.10	2.66		.06	2.81	***	-.11
o.	Talked about career plans with a faculty member or advisor	FACPLANS	SFI	FY	2.07	2.12		-.06	2.13		-.06	2.19	***	-.13
				SR	2.29	2.27		.02	2.31		-.03	2.42	***	-.14
p.	Discussed ideas from your readings or classes with faculty members outside of class	FACIDEAS	SFI	FY	1.81	1.80		.01	1.82		-.02	1.91	**	-.11
				SR	1.99	1.97		.02	2.01		-.02	2.12	***	-.14
q.	Received prompt written or oral feedback from faculty on your academic performance	FACFEED	SFI	FY	2.50	2.50		.00	2.54		-.05	2.65	***	-.18
				SR	2.62	2.62		.00	2.66		-.05	2.80	***	-.22
r.	Worked harder than you thought you could to meet an instructor's standards or expectations	WORKHARD	LAC	FY	2.56	2.52		.05	2.55		.02	2.65	**	-.10
				SR	2.57	2.56		.01	2.58		-.02	2.73	***	-.19
s.	Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)	FACOTHER	SFI	FY	1.62	1.56		.06	1.57		.06	1.65		-.04
				SR	1.79	1.75		.05	1.78		.02	1.84		-.05
t.	Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)	OOCIDEAS	ACL	FY	2.60	2.62		-.02	2.64		-.04	2.69	**	-.10
				SR	2.67	2.79	***	-.13	2.80	***	-.15	2.84	***	-.20
u.	Had serious conversations with students of a different race or ethnicity than your own	DIVRSTUD	EEE	FY	2.68	2.68		.00	2.68		.01	2.60	*	.08
				SR	2.70	2.74		-.04	2.74		-.03	2.67		.04
v.	Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values	DIFFSTU2	EEE	FY	2.78	2.75		.03	2.78		.00	2.70	**	.09
				SR	2.80	2.79		.00	2.81		-.01	2.71	**	.08

^a Weighted by gender, enrollment status, and institutional size.

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by the pooled standard deviation.

**NSSE 2008 Mean Comparisons
Virginia Polytechnic Institute and State University**

				<i>Virginia Tech compared with:</i>											
				Virginia Tech			Selected Peers			Carnegie Class			NSSE 2008		
Variable	Bench- mark	Class		Mean ^a	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c		
<i>During the current school year, how much has your coursework emphasized the following mental activities? 1=Very little, 2=Some, 3=Quite a bit, 4=Very much</i>															
2. Mental Activities															
a.	Memorizing facts, ideas, or methods from your courses and readings so you can repeat them in pretty much the same form	MEMORIZE	FY	2.98	2.94		.05	2.95		.04	2.90	**	.10		
			SR	2.78	2.79		-.01	2.80		-.02	2.75		.03		
b.	Analyzing the basic elements of an idea, experience, or theory, such as examining a particular case or situation in depth and considering its components	ANALYZE	LAC	3.09	3.15	*	-.08	3.15	*	-.09	3.10		-.02		
			SR	3.27	3.24		.04	3.25		.03	3.24		.03		
c.	Synthesizing and organizing ideas, information, or experiences into new, more complex interpretations and relationships	SYNTHESZ	LAC	2.92	2.90		.02	2.91		.01	2.89		.04		
			SR	2.96	3.01		-.05	3.02	*	-.07	3.05	**	-.11		
d.	Making judgments about the value of information, arguments, or methods, such as examining how others gathered and interpreted data and assessing the soundness of their	EVALUATE	LAC	2.88	2.82		.07	2.85		.03	2.90		-.03		
			SR	2.92	2.93		-.01	2.94		-.03	3.01	**	-.10		
e.	Applying theories or concepts to practical problems or in new situations	APPLYING	LAC	3.08	3.10		-.02	3.07		.01	3.03		.06		
			SR	3.24	3.15	**	.11	3.16	**	.10	3.19		.06		
<i>During the current school year, about how much reading and writing have you done? 1=None, 2=1-4, 3=5-10, 4=11-20, 5=More than 20</i>															
3. Reading and Writing															
a.	Number of assigned textbooks, books, or book-length packs of course readings	READASGN	LAC	3.15	3.28	***	-.14	3.30	***	-.17	3.24	**	-.10		
			SR	2.89	3.14	***	-.26	3.18	***	-.29	3.20	***	-.30		
b.	Number of books read on your own (not assigned) for personal enjoyment or academic enrichment	READOWN	FY	1.96	1.98		-.03	2.02		-.07	2.06	**	-.11		
			SR	2.15	2.16		-.01	2.17		-.03	2.19		-.04		
c.	Number of written papers or reports of <u>20 pages or more</u>	WRITEMOR	LAC	1.25	1.22		.04	1.23		.04	1.28		-.04		
			SR	1.62	1.61		.02	1.60		.02	1.64		-.02		
d.	Number of written papers or reports <u>between 5 and 19 pages</u>	WRITEMID	LAC	2.34	2.27	*	.08	2.30		.04	2.29		.06		
			SR	2.43	2.54	***	-.12	2.56	***	-.15	2.58	***	-.16		
e.	Number of written papers or reports of <u>fewer than 5 pages</u>	WRITESML	LAC	3.06	2.88	***	.17	2.99		.07	3.04		.02		
			SR	2.95	2.99		-.03	3.01		-.05	3.00		-.04		

^a Weighted by gender, enrollment status, and institutional size.

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by the pooled standard deviation.

**NSSE 2008 Mean Comparisons
Virginia Polytechnic Institute and State University**

				<i>Virginia Tech compared with:</i>											
				Virginia Tech			Selected Peers			Carnegie Class			NSSE 2008		
Variable	Bench- mark	Class		Mean ^a	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c		
4. Problem Sets															
<i>In a typical week, how many homework problem sets do you complete? 1=None, 2=1-2, 3=3-4, 4=5-6, 5=More than 6</i>															
a.	Number of problem sets that take you more than an hour to complete	PROBSETA	FY	2.79	2.75		.03	2.71		.06	2.69	*	.09		
			SR	2.66	2.54	**	.10	2.49	***	.13	2.61		.04		
b.	Number of problem sets that take you less than an hour to complete	PROBSETB	FY	2.82	2.61	***	.18	2.69	**	.11	2.75		.07		
			SR	2.27	2.17	**	.09	2.17	**	.09	2.35	*	-.07		
5. Examinations															
<i>1=Very little to 7=Very much</i>															
	Select the circle that best represents the extent to which your examinations during the current school year challenged you to do your best work.	EXAMS	FY	5.59	5.60		-.01	5.53		.05	5.41	***	.15		
			SR	5.23	5.27		-.03	5.30		-.05	5.39	***	-.13		
6. Additional Collegiate Experiences															
<i>During the current school year, about how often have you done each of the following? 1=Never, 2=Sometimes, 3=Often, 4=Very often</i>															
a.	Attended an art exhibit, play, dance, music, theatre or other performance	ATDART07	FY	2.17	2.14		.03	2.18		-.01	2.22		-.05		
			SR	2.07	2.08		-.01	2.10		-.03	2.07		.00		
b.	Exercised or participated in physical fitness activities	EXRCSE05	FY	3.09	2.91	***	.19	2.90	***	.20	2.79	***	.29		
			SR	3.02	2.84	***	.18	2.85	***	.16	2.68	***	.32		
c.	Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.)	WORSHPO5	FY	2.05	1.94	*	.10	1.96	*	.08	2.06		-.01		
			SR	2.05	1.92	***	.12	1.94	**	.10	2.11		-.06		
d.	Examined the strengths and weaknesses of your own views on a topic or issue	OWNVIEW	FY	2.57	2.55		.03	2.56		.01	2.60		-.03		
			SR	2.65	2.62		.04	2.65		.00	2.68		-.04		
e.	Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	OTHRVIEW	FY	2.71	2.69		.02	2.72		-.01	2.76		-.06		
			SR	2.77	2.78		-.02	2.81		-.04	2.83	*	-.08		
f.	Learned something that changed the way you understand an issue or concept	CHNGVIEW	FY	2.76	2.78		-.02	2.80		-.05	2.85	**	-.10		
			SR	2.85	2.85		.00	2.87		-.02	2.89		-.05		
7. Enriching Educational Experiences															
<i>Which of the following have you done or do you plan to do before you graduate from your institution? (Recoded: 0=Have not decided, Do not plan to do, Plan to do; 1=Done. Thus, the mean is the proportion responding "Done" among all valid respondents.)</i>															
a.	Practicum, internship, field experience, co-op experience, or clinical assignment	INTERN04	EEE	FY	.09	.06	*	.10	.07	.08	.08		.02		
			SR	.66	.60	***	.14	.59	***	.15	.53	***	.27		

^a Weighted by gender, enrollment status, and institutional size.

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by the pooled standard deviation.

**NSSE 2008 Mean Comparisons
Virginia Polytechnic Institute and State University**

				<i>Virginia Tech compared with:</i>									
				Virginia Tech		Selected Peers		Carnegie Class			NSSE 2008		
	Variable	Bench- mark	Class	Mean ^a	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c
b.	Community service or volunteer work	VOLNTR04	EEE	FY	.55		.37	.38	***	.35	.38	***	.36
				SR	.71		.13	.64	***	.12	.60	***	.23
c.	Participate in a learning community or some other formal program where groups of students take two or more classes together	LRNCOM04	EEE	FY	.17	**	-.10	.21	**	-.04	.16		.02
				SR	.21	**	-.10	.26	**	-.09	.26	***	-.11
d.	Work on a research project with a faculty member outside of course or program requirements	RESRCH04	SFI	FY	.04		-.05	.05		-.03	.05		-.05
				SR	.26		-.02	.26		.00	.20	***	.15
e.	Foreign language coursework	FORLNG04	EEE	FY	.15	***	-.36	.31	***	-.34	.22	***	-.16
				SR	.31	***	-.46	.54	***	-.48	.41	***	-.22
f.	Study abroad	STDABR04	EEE	FY	.01	**	-.09	.02	**	-.08	.03	***	-.12
				SR	.19	*	-.07	.23	**	-.10	.15	**	.10
g.	Independent study or self-designed major	INDSTD04	EEE	FY	.01	***	-.10	.03	***	-.10	.04	***	-.15
				SR	.22	**	.11	.18	**	.10	.18	**	.09
h.	Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.)	SNRX04	EEE	FY	.01	*	-.06	.02	*	-.07	.02	***	-.08
				SR	.52	***	.53	.29	***	.50	.32	***	.41
				<i>Select the circle that best represents the quality of your relationships with people at your institution.</i>									
				<i>1=Unfriendly, Unsupportive, Sense of alienation to 7=Friendly, Supportive, Sense of belonging</i>									
a.	Relationships with <u>other students</u>	ENVSTU	SCE	FY	5.90	***	.28	5.50	***	.29	5.47	***	.30
				SR	5.90	***	.28	5.52	***	.27	5.59	***	.23
				<i>1=Unavailable, Unhelpful, Unsympathetic to 7=Available, Helpful, Sympathetic</i>									
b.	Relationships with <u>faculty members</u>	ENVFAC	SCE	FY	5.13	***	.20	4.91	***	.16	5.19		-.04
				SR	5.28	***	.16	5.12	***	.12	5.41	**	-.09
				<i>1=Unhelpful, Inconsiderate, Rigid to 7=Helpful, Considerate, Flexible</i>									
c.	Relationships with <u>administrative personnel and offices</u>	ENVADM	SCE	FY	4.77	***	.16	4.52	***	.17	4.65	*	.08
				SR	4.78	***	.22	4.37	***	.25	4.53	***	.14

^a Weighted by gender, enrollment status, and institutional size.

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by the pooled standard deviation.

**NSSE 2008 Mean Comparisons
Virginia Polytechnic Institute and State University**

Virginia Tech compared with:

Variable	Bench- mark	Class	Virginia Tech		Selected Peers			Carnegie Class			NSSE 2008			
			Mean ^a	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	
<p><i>About how many hours do you spend in a typical 7-day week doing each of the following? 1=0 hrs/wk, 2=1-5 hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk, 6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=More than 30 hrs/wk</i></p>														
9. Time Usage														
a.	Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	ACADPR01	LAC	FY	4.45	4.45	.00	4.33	.07	4.04	***	.26		
				SR	4.32	4.36	-.02	4.28	.02	4.14	**	.10		
b.	Working for pay <u>on campus</u>	WORKON01		FY	1.30	1.53	***	-.20	1.51	***	-.18	1.55	***	-.20
				SR	2.00	2.02	-.01	1.97	.02	1.79	***	.14		
c.	Working for pay <u>off campus</u>	WORKOF01		FY	1.28	1.53	***	-.19	1.61	***	-.23	2.46	***	-.51
				SR	1.95	2.58	***	-.29	2.72	***	-.34	3.79	***	-.66
d.	Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	COCURR01	EEE	FY	2.70	2.50	**	.13	2.47	***	.15	2.26	***	.28
				SR	2.74	2.41	***	.20	2.39	***	.22	2.11	***	.41
e.	Relaxing and socializing (watching TV, partying, etc.)	SOCIAL05		FY	3.92	3.92	.00	3.94	-.01	3.77	**	.10		
				SR	4.08	3.78	***	.19	3.80	***	.17	3.49	***	.39
f.	Providing care for dependents living with you (parents, children, spouse, etc.)	CAREDE01		FY	1.16	1.28	***	-.14	1.28	***	-.14	1.79	***	-.37
				SR	1.25	1.51	***	-.19	1.56	***	-.21	2.38	***	-.49
g.	Commuting to class (driving, walking, etc.)	COMMUTE		FY	2.13	2.29	***	-.17	2.27	***	-.16	2.26	***	-.12
				SR	2.13	2.35	***	-.28	2.33	***	-.24	2.36	***	-.23
<p><i>To what extent does your institution emphasize each of the following? 1=Very little, 2=Some, 3=Quite a bit, 4=Very much</i></p>														
10. Institutional Environment														
a.	Spending significant amounts of time studying and on academic work	ENVSCHOL	LAC	FY	3.23	3.21	.03	3.17	*	.08	3.14	***	.12	
				SR	3.13	3.15	-.03	3.12	.02	3.14		-.01		
b.	Providing the support you need to help you succeed academically	ENVSUPRT	SCE	FY	3.13	3.03	**	.12	3.03	***	.13	3.07	.07	
				SR	3.03	2.84	***	.23	2.83	***	.23	2.93	***	.11
c.	Encouraging contact among students from different economic, social, and racial or ethnic backgrounds	ENVDIVRS	EEE	FY	2.72	2.76	-.03	2.74	-.01	2.70	.03			
				SR	2.51	2.44	.07	2.44	*	.07	2.50	.00		

^a Weighted by gender, enrollment status, and institutional size.

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by the pooled standard deviation.

**NSSE 2008 Mean Comparisons
Virginia Polytechnic Institute and State University**

				<i>Virginia Tech compared with:</i>										
				Virginia Tech		Selected Peers			Carnegie Class			NSSE 2008		
	Variable	Bench- mark	Class	Mean ^a	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	
d.	Helping you cope with your non-academic responsibilities (work, family, etc.)	ENVNACAD	SCE	FY	2.46	***	.25	2.20	***	.28	2.27	***	.20	
				SR	2.25	***	.40	1.89	***	.41	1.99	***	.28	
e.	Providing the support you need to thrive socially	ENVSOCAL	SCE	FY	2.68	***	.14	2.52	***	.18	2.49	***	.21	
				SR	2.43	***	.18	2.23	***	.21	2.23	***	.21	
f.	Attending campus events and activities (special speakers, cultural performances, athletic events, etc.)	ENVEVENT		FY	3.09	***	.15	2.94	***	.17	2.84	***	.27	
				SR	2.89	***	.14	2.75	***	.16	2.61	***	.29	
g.	Using computers in academic work	ENVCOMPT		FY	3.48	***	.17	3.38	***	.14	3.31	***	.22	
				SR	3.61	***	.12	3.51	***	.14	3.46	***	.20	

To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

1=Very little, 2=Some, 3=Quite a bit, 4=Very much

11. Educational and Personal Growth

a.	Acquiring a broad general education	GNGENLED		FY	3.29	*	.08	3.22	*	.09	3.20	**	.12
				SR	3.30		.02	3.28		.02	3.29		.01
b.	Acquiring job or work-related knowledge and skills	GNWORK		FY	2.99	***	.16	2.80	***	.21	2.80	***	.21
				SR	3.20	***	.19	3.00	***	.21	3.07	***	.14
c.	Writing clearly and effectively	GNWRITE		FY	2.90		.02	2.90		.00	3.02	***	-.13
				SR	3.02		-.03	3.03		-.01	3.11	***	-.11
d.	Speaking clearly and effectively	GNSPEAK		FY	2.79	***	.13	2.69	**	.11	2.85		-.06
				SR	2.96	**	.10	2.88	**	.09	3.00		-.05
e.	Thinking critically and analytically	GNANALY		FY	3.26		.02	3.21		.06	3.21		.07
				SR	3.43	*	.07	3.36	**	.09	3.36	**	.10
f.	Analyzing quantitative problems	GNQUANT		FY	3.19	***	.14	3.02	***	.20	2.96	***	.26
				SR	3.26	***	.16	3.08	***	.20	3.08	***	.20
g.	Using computing and information technology	GNCMPTS		FY	3.27	***	.24	3.06	***	.24	3.04	***	.26
				SR	3.36	***	.16	3.22	***	.17	3.22	***	.17
h.	Working effectively with others	GNOTHERS		FY	3.14	***	.21	2.94	***	.22	2.99	***	.17
				SR	3.29	***	.20	3.10	***	.21	3.17	***	.14

^a Weighted by gender, enrollment status, and institutional size.

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by the pooled standard deviation.

**NSSE 2008 Mean Comparisons
Virginia Polytechnic Institute and State University**

Virginia Tech compared with:

	Variable	Bench- mark	Class	Virginia Tech				Selected Peers			Carnegie Class			NSSE 2008		
				Mean ^a		Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c
i.	Voting in local, state, or national elections	GNCITIZN	FY	2.03	2.44	***	-.39	2.31	***	-.27	2.24	***	-.20			
			SR	2.03	2.21	***	-.18	2.14	***	-.11	2.11	*	-.08			
j.	Learning effectively on your own	GNINQ	FY	3.07	3.04		.03	3.00	*	.09	2.96	***	.13			
			SR	3.16	3.10		.07	3.07	**	.11	3.05	***	.12			
k.	Understanding yourself	GNSELF	FY	2.85	2.82		.03	2.78		.07	2.81		.04			
			SR	2.87	2.83		.04	2.82		.06	2.83		.04			
l.	Understanding people of other racial and ethnic backgrounds	GNDIVERS	FY	2.65	2.71		-.07	2.68		-.03	2.67		-.02			
			SR	2.52	2.64	***	-.13	2.63	**	-.11	2.64	***	-.12			
m.	Solving complex real-world problems	GNPROBSV	FY	2.82	2.76		.06	2.70	***	.13	2.69	***	.14			
			SR	2.91	2.82	**	.10	2.79	***	.13	2.78	***	.14			
n.	Developing a personal code of values and ethics	GNETHICS	FY	2.82	2.67	***	.16	2.64	***	.19	2.70	***	.13			
			SR	2.79	2.62	***	.17	2.62	***	.17	2.71	*	.07			
o.	Contributing to the welfare of your community	GNCOMMUN	FY	2.87	2.50	***	.40	2.46	***	.43	2.47	***	.41			
			SR	2.67	2.40	***	.28	2.41	***	.26	2.48	***	.19			
p.	Developing a deepened sense of spirituality	GNSPIRIT	FY	2.14	2.02	**	.11	2.00	***	.13	2.15		-.01			
			SR	1.89	1.74	***	.16	1.75	***	.15	1.96		-.06			
12. Academic Advising				<i>1=Poor, 2=Fair, 3=Good, 4=Excellent</i>												
	Overall, how would you evaluate the quality of academic advising you have received at your institution?	ADVISE	FY	3.02	3.01		.02	2.98		.05	3.00		.02			
			SR	2.91	2.77	***	.15	2.74	***	.17	2.85		.06			
13. Satisfaction				<i>1=Poor, 2=Fair, 3=Good, 4=Excellent</i>												
	How would you evaluate your entire educational experience at this institution?	ENTIREXP	FY	3.41	3.26	***	.22	3.25	***	.23	3.19	***	.31			
			SR	3.48	3.27	***	.27	3.25	***	.31	3.21	***	.36			
14.				<i>1=Definitely no, 2=Probably no, 3=Probably yes, 4=Definitely yes</i>												
	If you could start over again, would you go to the same institution you are now attending?	SAMECOLL	FY	3.58	3.39	***	.26	3.35	***	.30	3.23	***	.43			
			SR	3.62	3.35	***	.33	3.31	***	.38	3.20	***	.49			

^a Weighted by gender, enrollment status, and institutional size.

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by the pooled standard deviation.



National Survey of Student Engagement

NSSE 2008 Detailed Statistics ^a

Virginia Polytechnic Institute and State University First-Year Students

	Mean					Standard Error of the Mean ^b				Standard Deviation ^c				Degrees of Freedom ^d			Significance ^e			Effect Size ^f		
	<i>Virginia Tech compared with:</i>					<i>Virginia Tech compared with:</i>				<i>Virginia Tech compared with:</i>				<i>Virginia Tech compared with:</i>			<i>Virginia Tech compared with:</i>					
	Virginia Tech	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008
CLQUEST	884	2.42	2.51	2.58	2.78	.03	.01	.01	.00	.78	.80	.82	.85	8,486	983	899	.002	.000	.000	-.11	-.20	-.43
CLPRESENT	883	2.26	2.00	2.06	2.27	.03	.01	.01	.00	.76	.72	.73	.81	1,077	968	898	.000	.000	.601	.36	.27	-.02
REWROPAP	882	2.44	2.39	2.47	2.65	.03	.01	.01	.00	1.01	.98	.99	.98	8,472	18,223	894	.229	.374	.000	.04	-.03	-.22
INTEGRAT	882	2.92	2.85	2.93	3.06	.03	.01	.01	.00	.81	.82	.81	.79	1,103	18,219	115,450	.015	.709	.000	.09	-.01	-.19
DIVCLASS	876	2.60	2.63	2.70	2.78	.03	.01	.01	.00	.84	.89	.88	.88	1,110	18,197	115,262	.318	.000	.000	-.03	-.12	-.21
CLUNPREP	879	2.09	2.11	2.11	2.01	.03	.01	.01	.00	.78	.77	.77	.77	8,443	18,153	891	.340	.338	.003	-.03	-.03	.10
CLASSGRP	883	2.41	2.30	2.32	2.41	.03	.01	.01	.00	.81	.83	.82	.84	8,463	18,192	115,238	.000	.001	.965	.13	.11	.00
OCCGRP	881	2.62	2.43	2.43	2.40	.03	.01	.01	.00	.86	.83	.85	.88	8,472	18,221	115,496	.000	.000	.000	.23	.23	.25
INTIDEAS	819	2.68	2.58	2.61	2.63	.03	.01	.01	.00	.75	.79	.80	.82	1,045	915	833	.000	.009	.057	.14	.09	.06
TUTOR	819	1.88	1.77	1.77	1.70	.03	.01	.01	.00	.87	.86	.86	.85	7,781	16,955	108,316	.001	.000	.000	.13	.13	.20
COMMPROJ	820	1.83	1.54	1.53	1.60	.03	.01	.01	.00	.90	.80	.81	.84	977	887	830	.000	.000	.000	.36	.37	.28
ITACADEM	818	2.85	2.66	2.67	2.59	.03	.01	.01	.00	.95	.99	1.00	1.03	1,036	911	832	.000	.000	.000	.19	.19	.25
EMAIL	819	3.14	3.01	3.05	3.11	.03	.01	.01	.00	.78	.83	.82	.82	7,776	16,944	108,200	.000	.002	.267	.16	.11	.04
FACGRADE	819	2.45	2.39	2.45	2.62	.03	.01	.01	.00	.81	.86	.86	.88	7,775	915	833	.065	.866	.000	.07	-.01	-.19
FACPLANS	817	2.07	2.12	2.13	2.19	.03	.01	.01	.00	.87	.84	.86	.90	7,775	16,950	830	.128	.084	.000	-.06	-.06	-.13
FACIDEAS	818	1.81	1.80	1.82	1.91	.03	.01	.01	.00	.85	.85	.86	.90	7,786	16,970	108,327	.698	.674	.001	.01	-.02	-.11
FACFEED	796	2.50	2.50	2.54	2.65	.03	.01	.01	.00	.81	.82	.82	.84	7,577	16,561	106,044	.981	.165	.000	.00	-.05	-.18
WORKHARD	798	2.56	2.52	2.55	2.65	.03	.01	.01	.00	.82	.84	.85	.85	7,566	16,543	105,940	.206	.562	.003	.05	.02	-.10
FACOTHER	794	1.62	1.56	1.57	1.65	.03	.01	.01	.00	.83	.81	.82	.86	7,565	16,520	105,802	.091	.115	.249	.06	.06	-.04
OOCIDEAS	795	2.60	2.62	2.64	2.69	.03	.01	.01	.00	.80	.83	.85	.87	7,563	886	809	.556	.195	.002	-.02	-.04	-.10
DIVRSTUD	794	2.68	2.68	2.68	2.60	.03	.01	.01	.00	.95	.97	.98	1.01	7,571	16,543	806	.931	.825	.017	.00	.01	.08
DIFFSTU2	795	2.78	2.75	2.78	2.70	.03	.01	.01	.00	.89	.95	.95	.98	1,014	887	808	.383	.911	.006	.03	.00	.09
MEMORIZE	794	2.98	2.94	2.95	2.90	.03	.01	.01	.00	.83	.85	.85	.87	1,001	880	807	.146	.320	.005	.05	.04	.10
ANALYZE	794	3.09	3.15	3.15	3.10	.03	.01	.01	.00	.73	.75	.75	.78	1,000	879	807	.024	.013	.485	-.08	-.09	-.02
SYNTHESZ	793	2.92	2.90	2.91	2.89	.03	.01	.01	.00	.80	.82	.82	.84	7,514	16,418	806	.518	.777	.278	.02	.01	.04
EVALUATE	793	2.88	2.82	2.85	2.90	.03	.01	.01	.00	.80	.84	.84	.85	1,009	884	806	.063	.426	.399	.07	.03	-.03
APPLYING	794	3.08	3.10	3.07	3.03	.03	.01	.01	.00	.81	.82	.83	.84	7,521	16,428	104,768	.559	.805	.089	-.02	.01	.06
READASGN	796	3.15	3.28	3.30	3.24	.03	.01	.01	.00	.87	.90	.90	.94	1,007	885	810	.000	.000	.003	-.14	-.17	-.10

^a All statistics are weighted by gender, enrollment status, and institutional size.

^b The 95% confidence interval for the population mean is equal to the sample mean plus/minus the product of 1.96 times the standard error of the mean.

^c A measure of the average amount individual scores deviate from the mean of all the scores in the distribution.

^d Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and the equal variances assumption.

^e Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

^f Effect size is calculated by subtracting the comparison group mean from the school mean, and dividing the result by the pooled standard deviation.



**National Survey
of Student Engagement**

NSSE 2008 Detailed Statistics ^a

**Virginia Polytechnic Institute and State University
First-Year Students**

	N	Mean				Standard Error of the Mean ^b				Standard Deviation ^c				Degrees of Freedom ^d			Significance ^e			Effect Size ^f		
	Virginia Tech	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech compared with:			Virginia Tech compared with:		
																	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008
READOWN	796	1.96	1.98	2.02	2.06	.03	.01	.01	.00	.85	.87	.89	.93	7,541	16,428	104,812	.411	.059	.001	-.03	-.07	-.11
WRITEMOR	795	1.25	1.22	1.23	1.28	.02	.01	.01	.00	.60	.64	.63	.69	7,522	16,404	810	.232	.267	.230	.04	.04	-.04
WRITEMID	795	2.34	2.27	2.30	2.29	.03	.01	.01	.00	.78	.86	.83	.84	1,038	16,431	104,782	.017	.238	.081	.08	.04	.06
WRITESML	795	3.06	2.88	2.99	3.04	.04	.01	.01	.00	1.13	1.01	1.02	1.04	950	862	804	.000	.092	.584	.17	.07	.02
PROBSETA	791	2.79	2.75	2.71	2.69	.04	.01	.01	.00	1.12	1.14	1.14	1.12	7,498	16,369	104,328	.424	.086	.014	.03	.06	.09
PROBSETB	791	2.82	2.61	2.69	2.75	.04	.01	.01	.00	1.23	1.19	1.21	1.20	7,486	16,343	104,099	.000	.002	.068	.18	.11	.07
EXAMS	797	5.59	5.60	5.53	5.41	.04	.01	.01	.00	1.10	1.09	1.15	1.20	7,521	887	811	.890	.131	.000	-.01	.05	.15
ATDART07	785	2.17	2.14	2.18	2.22	.03	.01	.01	.00	.78	.87	.89	.93	1,027	890	801	.380	.767	.094	.03	-.01	-.05
EXRCSE05	786	3.09	2.91	2.90	2.79	.03	.01	.01	.00	.93	.96	.97	1.04	7,410	16,222	800	.000	.000	.000	.19	.20	.29
WORSHPO5	788	2.05	1.94	1.96	2.06	.04	.01	.01	.00	1.04	1.06	1.06	1.10	7,417	16,231	801	.011	.032	.765	.10	.08	-.01
OWNVIEW	786	2.57	2.55	2.56	2.60	.03	.01	.01	.00	.81	.88	.88	.89	1,016	882	800	.404	.750	.302	.03	.01	-.03
OTHRVIEW	788	2.71	2.69	2.72	2.76	.03	.01	.01	.00	.79	.84	.85	.86	1,007	881	801	.581	.812	.056	.02	-.01	-.06
CHNGVIEW	788	2.76	2.78	2.80	2.85	.03	.01	.01	.00	.79	.81	.82	.83	7,411	16,235	103,443	.553	.192	.006	-.02	-.05	-.10
INTERN04	768	.09	.06	.07	.08	.01	.00	.00	.00	.28	.24	.25	.27	903	830	101,620	.016	.067	.594	.10	.08	.02
VOLNTR04	767	.55	.38	.38	.38	.02	.01	.00	.00	.50	.48	.49	.49	945	841	777	.000	.000	.000	.37	.35	.36
LRNCOM04	767	.17	.21	.18	.16	.01	.01	.00	.00	.37	.40	.39	.37	991	851	101,429	.006	.264	.627	-.10	-.04	.02
RESRCH04	765	.04	.05	.05	.05	.01	.00	.00	.00	.20	.23	.22	.23	1,007	15,930	779	.113	.350	.095	-.05	-.03	-.05
FORLNG04	767	.15	.32	.31	.22	.01	.01	.00	.00	.36	.47	.46	.41	1,093	898	782	.000	.000	.000	-.36	-.34	-.16
STDABR04	766	.01	.02	.02	.03	.00	.00	.00	.00	.10	.15	.15	.17	1,199	940	799	.002	.001	.000	-.09	-.08	-.12
INDSTD04	767	.01	.03	.03	.04	.00	.00	.00	.00	.11	.17	.17	.20	1,220	952	804	.000	.000	.000	-.10	-.10	-.15
SNRX04	766	.01	.02	.02	.02	.00	.00	.00	.00	.09	.13	.13	.14	1,133	927	792	.034	.011	.001	-.06	-.07	-.08
ENVSTU	767	5.90	5.53	5.50	5.47	.05	.02	.01	.00	1.26	1.35	1.37	1.42	984	859	780	.000	.000	.000	.28	.29	.30
ENVFAC	767	5.13	4.86	4.91	5.19	.05	.02	.01	.00	1.29	1.30	1.31	1.36	7,266	15,948	779	.000	.000	.197	.20	.16	-.04
ENVADM	767	4.77	4.55	4.52	4.65	.05	.02	.01	.00	1.44	1.44	1.47	1.55	7,257	15,929	780	.000	.000	.019	.16	.17	.08
ACADPR01	753	4.45	4.45	4.33	4.04	.06	.02	.01	.01	1.56	1.63	1.62	1.61	7,191	15,826	100,561	.937	.052	.000	.00	.07	.26
WORKON01	754	1.30	1.53	1.51	1.55	.03	.01	.01	.00	.94	1.19	1.17	1.25	1,055	874	774	.000	.000	.000	-.20	-.18	-.20
WORKOF01	749	1.28	1.53	1.61	2.46	.04	.02	.01	.01	1.06	1.33	1.45	2.32	1,042	892	802	.000	.000	.000	-.19	-.23	-.51
COCURR01	757	2.70	2.50	2.47	2.26	.06	.02	.01	.00	1.67	1.51	1.51	1.56	906	819	766	.001	.000	.000	.13	.15	.28

^a All statistics are weighted by gender, enrollment status, and institutional size.

^b The 95% confidence interval for the population mean is equal to the sample mean plus/minus the product of 1.96 times the standard error of the mean.

^c A measure of the average amount individual scores deviate from the mean of all the scores in the distribution.

^d Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and the equal variances assumption.

^e Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

^f Effect size is calculated by subtracting the comparison group mean from the school mean, and dividing the result by the pooled standard deviation.



National Survey
of Student Engagement

NSSE 2008 Detailed Statistics ^a

Virginia Polytechnic Institute and State University
First-Year Students

	N					Standard Error of the Mean ^b				Standard Deviation ^c				Degrees of Freedom ^d			Significance ^e			Effect Size ^f		
														Virginia Tech compared with:			Virginia Tech compared with:					
	Virginia Tech	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008
SOCIAL05	753	3.92	3.92	3.94	3.77	.06	.02	.01	.01	1.66	1.61	1.63	1.66	7,173	15,775	100,346	.905	.818	.009	.00	-.01	.10
CAREDE01	753	1.16	1.28	1.28	1.79	.02	.01	.01	.01	.66	.93	.93	1.70	1,142	909	829	.000	.000	.000	-.14	-.14	-.37
COMMUTE	755	2.13	2.29	2.27	2.26	.03	.01	.01	.00	.71	.92	.92	1.10	1,074	886	782	.000	.000	.000	-.17	-.16	-.12
ENVSCHOL	744	3.23	3.21	3.17	3.14	.02	.01	.01	.00	.67	.73	.75	.76	963	838	757	.353	.020	.000	.03	.08	.12
ENVSUPRT	740	3.13	3.03	3.03	3.07	.03	.01	.01	.00	.75	.80	.79	.80	7,049	15,540	99,012	.003	.001	.065	.12	.13	.07
ENVDIVRS	741	2.72	2.76	2.74	2.70	.03	.01	.01	.00	.92	.94	.94	.97	7,053	15,546	753	.388	.746	.387	-.03	-.01	.03
ENVNACAD	745	2.46	2.23	2.20	2.27	.03	.01	.01	.00	.93	.92	.92	.96	924	819	98,929	.000	.000	.000	.25	.28	.20
ENVSOCAL	739	2.68	2.55	2.52	2.49	.03	.01	.01	.00	.89	.91	.91	.93	7,028	15,511	751	.000	.000	.000	.14	.18	.21
ENVEVENT	744	3.09	2.96	2.94	2.84	.03	.01	.01	.00	.79	.84	.85	.93	7,059	15,562	758	.000	.000	.000	.15	.17	.27
ENVCOMPT	742	3.48	3.36	3.38	3.31	.03	.01	.01	.00	.71	.75	.75	.79	950	828	755	.000	.000	.000	.17	.14	.22
NGNENLED	733	3.29	3.23	3.22	3.20	.03	.01	.01	.00	.72	.75	.75	.78	6,952	15,327	97,493	.047	.016	.001	.08	.09	.12
GNWORK	732	2.99	2.84	2.80	2.80	.03	.01	.01	.00	.86	.92	.93	.94	941	819	745	.000	.000	.000	.16	.21	.21
GNWRITE	731	2.90	2.89	2.90	3.02	.03	.01	.01	.00	.86	.89	.88	.86	6,932	15,295	97,339	.617	.952	.000	.02	.00	-.13
GNSPEAK	728	2.79	2.66	2.69	2.85	.03	.01	.01	.00	.90	.95	.94	.92	927	807	97,300	.001	.004	.090	.13	.11	-.06
GNANALY	730	3.26	3.25	3.21	3.21	.03	.01	.01	.00	.73	.76	.77	.78	6,935	15,295	97,234	.577	.096	.071	.02	.06	.07
GNQUANT	731	3.19	3.07	3.02	2.96	.03	.01	.01	.00	.78	.83	.85	.87	6,933	15,270	97,105	.000	.000	.000	.14	.20	.26
GNCMPTS	731	3.27	3.06	3.06	3.04	.03	.01	.01	.00	.81	.88	.89	.89	6,939	15,306	97,351	.000	.000	.000	.24	.24	.26
GNOTHERS	730	3.14	2.95	2.94	2.99	.03	.01	.01	.00	.84	.87	.88	.88	6,933	15,280	97,225	.000	.000	.000	.21	.22	.17
GNCITIZN	713	2.03	2.44	2.31	2.24	.04	.01	.01	.00	.96	1.05	1.05	1.06	925	799	726	.000	.000	.000	-.39	-.27	-.20
GNINQ	712	3.07	3.04	3.00	2.96	.03	.01	.01	.00	.81	.83	.83	.86	6,813	15,038	95,553	.386	.024	.000	.03	.09	.13
GNSELF	711	2.85	2.82	2.78	2.81	.03	.01	.01	.00	.91	.93	.94	.96	6,802	788	722	.413	.060	.216	.03	.07	.04
GNDIVERS	713	2.65	2.71	2.68	2.67	.03	.01	.01	.00	.90	.93	.93	.96	6,818	15,044	724	.099	.435	.572	-.07	-.03	-.02
GNPROBSV	711	2.82	2.76	2.70	2.69	.03	.01	.01	.00	.88	.90	.91	.93	893	788	722	.100	.001	.000	.06	.13	.14
GNETHICS	714	2.82	2.67	2.64	2.70	.03	.01	.01	.00	.93	.96	.97	.99	902	793	725	.000	.000	.000	.16	.19	.13
GNCOMMUN	712	2.87	2.50	2.46	2.47	.03	.01	.01	.00	.92	.94	.95	.99	897	790	724	.000	.000	.000	.40	.43	.41
GNSPIRIT	714	2.14	2.02	2.00	2.15	.04	.01	.01	.00	1.01	1.05	1.04	1.09	6,821	15,050	726	.005	.001	.698	.11	.13	-.01
ADVISE	722	3.02	3.01	2.98	3.00	.03	.01	.01	.00	.87	.82	.85	.84	881	15,230	732	.711	.220	.560	.02	.05	.02
ENTIREXP	722	3.41	3.26	3.25	3.19	.03	.01	.01	.00	.68	.71	.70	.72	6,895	15,226	96,788	.000	.000	.000	.22	.23	.31
SAMECOLL	723	3.58	3.39	3.35	3.23	.03	.01	.01	.00	.68	.76	.77	.82	945	817	738	.000	.000	.000	.26	.30	.43

^a All statistics are weighted by gender, enrollment status, and institutional size.

^b The 95% confidence interval for the population mean is equal to the sample mean plus/minus the product of 1.96 times the standard error of the mean.

^c A measure of the average amount individual scores deviate from the mean of all the scores in the distribution.

^d Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and the equal variances assumption.

^e Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

^f Effect size is calculated by subtracting the comparison group mean from the school mean, and dividing the result by the pooled standard deviation.



**National Survey
of Student Engagement**

NSSE 2008 Detailed Statistics ^a

**Virginia Polytechnic Institute and State University
Seniors**

	Mean				Standard Error of the Mean ^b				Standard Deviation ^c				Degrees of Freedom ^d			Significance ^e			Effect Size ^f			
	Virginia Tech				Virginia Tech				Virginia Tech				Selected Peers			Carnegie Class			NSSE 2008			
	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008	
CLQUEST	961	2.71	2.75	2.82	3.07	.03	.01	.01	.00	.87	.88	.88	.86	10,734	19,669	976	.192	.000	.000	-.04	-.12	-.41
CLPRESEN	959	2.67	2.52	2.57	2.80	.03	.01	.01	.00	.82	.83	.83	.87	10,731	19,660	118,324	.000	.000	.000	.18	.13	-.15
REWROPAP	961	2.23	2.27	2.26	2.47	.03	.01	.01	.00	.93	.93	.94	.97	10,717	19,637	977	.274	.339	.000	-.04	-.03	-.25
INTEGRAT	961	3.16	3.17	3.20	3.30	.02	.01	.01	.00	.77	.78	.77	.74	10,724	19,647	118,309	.890	.181	.000	.00	-.04	-.19
DIVCLASS	959	2.45	2.61	2.68	2.81	.03	.01	.01	.00	.90	.92	.92	.92	1,166	19,608	118,139	.000	.000	.000	-.17	-.25	-.40
CLUNPREP	955	2.28	2.28	2.27	2.10	.03	.01	.01	.00	.82	.82	.82	.79	10,664	19,547	969	.930	.733	.000	.00	.01	.23
CLASSGRP	961	2.39	2.38	2.38	2.52	.03	.01	.01	.00	.84	.86	.86	.88	10,724	19,643	978	.890	.761	.000	.00	.01	-.15
OCCGRP	960	3.02	2.79	2.78	2.75	.03	.01	.01	.00	.83	.91	.90	.91	1,195	1,077	978	.000	.000	.000	.26	.26	.30
INTIDEAS	915	2.93	2.92	2.94	2.94	.03	.01	.01	.00	.81	.79	.80	.81	10,202	18,772	114,289	.827	.705	.560	.01	-.01	-.02
TUTOR	917	1.87	1.89	1.87	1.88	.03	.01	.01	.00	.88	.94	.94	.96	1,131	1,025	934	.569	.942	.751	-.02	.00	-.01
COMMPROJ	916	1.61	1.58	1.61	1.74	.03	.01	.01	.00	.84	.83	.85	.91	10,176	18,743	933	.193	.877	.000	.05	.01	-.14
ITACADEM	916	2.95	2.84	2.83	2.82	.03	.01	.01	.00	.92	.97	.99	1.02	1,125	1,026	933	.001	.000	.000	.11	.12	.12
EMAIL	918	3.38	3.33	3.36	3.38	.02	.01	.01	.00	.75	.76	.75	.75	10,196	18,772	114,171	.097	.547	.955	.06	.02	.00
FACGRADE	917	2.71	2.62	2.66	2.81	.03	.01	.01	.00	.85	.88	.88	.88	1,117	1,018	114,225	.003	.095	.001	.10	.06	-.11
FACPLANS	917	2.29	2.27	2.31	2.42	.03	.01	.01	.00	.88	.91	.92	.96	10,195	1,021	934	.604	.425	.000	.02	-.03	-.14
FACIDEAS	918	1.99	1.97	2.01	2.12	.03	.01	.01	.00	.86	.86	.88	.93	10,208	18,782	935	.519	.621	.000	.02	-.02	-.14
FACFEED	910	2.62	2.62	2.66	2.80	.03	.01	.01	.00	.77	.80	.80	.81	10,051	18,501	113,095	.915	.144	.000	.00	-.05	-.22
WORKHARD	909	2.57	2.56	2.58	2.73	.03	.01	.01	.00	.83	.85	.85	.85	10,037	18,479	112,998	.671	.604	.000	.01	-.02	-.19
FACOTHER	907	1.79	1.75	1.78	1.84	.03	.01	.01	.00	.88	.89	.90	.95	10,038	18,482	923	.154	.636	.090	.05	.02	-.05
OOCIDEAS	905	2.67	2.79	2.80	2.84	.03	.01	.01	.00	.82	.84	.84	.85	10,023	18,469	112,901	.000	.000	.000	-.13	-.15	-.20
DIVRSTUD	908	2.70	2.74	2.74	2.67	.03	.01	.01	.00	.97	.96	.97	.99	10,038	18,481	112,954	.267	.317	.289	-.04	-.03	.04
DIFFSTU2	909	2.80	2.79	2.81	2.71	.03	.01	.01	.00	.91	.93	.93	.96	10,047	18,492	924	.953	.667	.008	.00	-.01	.08
MEMORIZE	904	2.78	2.79	2.80	2.75	.03	.01	.01	.00	.90	.92	.91	.92	9,998	18,392	112,352	.783	.536	.417	-.01	-.02	.03
ANALYZE	902	3.27	3.24	3.25	3.24	.02	.01	.01	.00	.73	.74	.74	.75	9,991	18,380	112,222	.283	.455	.361	.04	.03	.03
SYNTHESZ	902	2.96	3.01	3.02	3.05	.03	.01	.01	.00	.84	.84	.84	.83	9,974	18,345	111,993	.137	.033	.001	-.05	-.07	-.11
EVALUATE	904	2.92	2.93	2.94	3.01	.03	.01	.01	.00	.86	.88	.88	.87	9,984	18,367	112,136	.750	.394	.002	-.01	-.03	-.10
APPLYING	904	3.24	3.15	3.16	3.19	.03	.01	.01	.00	.80	.85	.85	.82	10,000	18,393	112,201	.001	.002	.064	.11	.10	.06
READASGN	897	2.89	3.14	3.18	3.20	.03	.01	.01	.00	1.00	.99	1.00	1.02	9,995	18,390	911	.000	.000	.000	-.26	-.29	-.30

^a All statistics are weighted by gender, enrollment status, and institutional size.

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^c A measure of the average amount individual scores deviate from the mean of all the scores in the distribution.

^d Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and the equal variances assumption.

^e Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

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National Survey of Student Engagement

NSSE 2008 Detailed Statistics ^a

Virginia Polytechnic Institute and State University Seniors

	N	Mean				Standard Error of the Mean ^b				Standard Deviation ^c				Degrees of Freedom ^d			Significance ^e			Effect Size ^f		
		Virginia Tech				Virginia Tech				Virginia Tech				Selected Peers			Carnegie Class			NSSE 2008		
		Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008
READOWN	901	2.15	2.16	2.17	2.19	.03	.01	.01	.00	.93	.95	.95	.98	9,993	18,392	916	.758	.405	.168	-.01	-.03	-.04
WRITEMOR	902	1.62	1.61	1.60	1.64	.02	.01	.01	.00	.74	.76	.75	.79	9,993	18,386	112,060	.599	.489	.482	.02	.02	-.02
WRITEMID	901	2.43	2.54	2.56	2.58	.03	.01	.01	.00	.93	.93	.94	.96	10,001	18,404	916	.001	.000	.000	-.12	-.15	-.16
WRITESML	902	2.95	2.99	3.01	3.00	.04	.01	.01	.00	1.15	1.12	1.12	1.16	9,993	18,396	112,090	.374	.157	.239	-.03	-.05	-.04
PROBSETA	903	2.66	2.54	2.49	2.61	.04	.01	.01	.00	1.26	1.22	1.22	1.21	9,957	18,304	111,267	.006	.000	.246	.10	.13	.04
PROBSETB	905	2.27	2.17	2.17	2.35	.04	.01	.01	.00	1.15	1.16	1.16	1.21	9,927	18,255	921	.007	.009	.038	.09	.09	-.07
EXAMS	905	5.23	5.27	5.30	5.39	.04	.01	.01	.00	1.23	1.27	1.27	1.29	1,107	1,008	921	.346	.099	.000	-.03	-.05	-.13
ATDART07	890	2.07	2.08	2.10	2.07	.03	.01	.01	.00	.86	.86	.87	.91	9,899	18,217	905	.882	.370	.982	-.01	-.03	.00
EXRCSE05	891	3.02	2.84	2.85	2.68	.03	.01	.01	.00	.93	.99	.99	1.05	1,099	997	908	.000	.000	.000	.18	.16	.32
WORSHPO5	891	2.05	1.92	1.94	2.11	.04	.01	.01	.00	1.08	1.05	1.06	1.12	9,896	18,202	906	.000	.003	.080	.12	.10	-.06
OWNVIEW	889	2.65	2.62	2.65	2.68	.03	.01	.01	.00	.83	.88	.88	.89	1,094	994	904	.271	.907	.206	.04	.00	-.04
OTHRVIEW	888	2.77	2.78	2.81	2.83	.03	.01	.01	.00	.83	.85	.85	.85	9,890	18,195	111,005	.624	.212	.025	-.02	-.04	-.08
CHNGVIEW	888	2.85	2.85	2.87	2.89	.03	.01	.01	.00	.79	.81	.81	.82	9,895	18,216	111,024	.942	.525	.179	.00	-.02	-.05
INTERN04	874	.66	.60	.59	.53	.02	.01	.00	.00	.47	.49	.49	.50	1,066	972	889	.000	.000	.000	.14	.15	.27
VOLNTR04	874	.71	.64	.65	.60	.02	.01	.00	.00	.45	.48	.48	.49	1,072	974	890	.000	.000	.000	.13	.12	.23
LRNCOM04	871	.21	.26	.25	.26	.01	.00	.00	.00	.41	.44	.44	.44	1,072	972	886	.003	.006	.001	-.10	-.09	-.11
RESRCH04	872	.26	.27	.26	.20	.01	.00	.00	.00	.44	.44	.44	.40	9,760	17,971	883	.572	.953	.000	-.02	.00	.15
FORLNG04	871	.31	.53	.54	.41	.02	.01	.00	.00	.46	.50	.50	.49	1,080	977	886	.000	.000	.000	-.46	-.48	-.22
STDABR04	871	.19	.22	.23	.15	.01	.00	.00	.00	.39	.41	.42	.36	1,070	975	882	.034	.003	.008	-.07	-.10	.10
INDSTD04	873	.22	.18	.18	.18	.01	.00	.00	.00	.41	.38	.39	.39	1,024	951	885	.005	.007	.009	.11	.10	.09
SNRX04	874	.52	.28	.29	.32	.02	.00	.00	.00	.50	.45	.45	.47	1,015	948	886	.000	.000	.000	.53	.50	.41
ENVSTU	873	5.90	5.51	5.52	5.59	.04	.01	.01	.00	1.25	1.37	1.38	1.37	1,089	984	889	.000	.000	.000	.28	.27	.23
ENVFAC	872	5.28	5.07	5.12	5.41	.05	.01	.01	.00	1.33	1.36	1.36	1.37	9,753	17,985	885	.000	.001	.005	.16	.12	-.09
ENVADM	872	4.78	4.42	4.37	4.53	.05	.02	.01	.01	1.53	1.61	1.63	1.69	1,067	973	887	.000	.000	.000	.22	.25	.14
ACADPR01	867	4.32	4.36	4.28	4.14	.06	.02	.01	.01	1.79	1.78	1.75	1.74	9,699	17,869	108,920	.500	.520	.003	-.02	.02	.10
WORKON01	864	2.00	2.02	1.97	1.79	.06	.02	.01	.00	1.71	1.66	1.63	1.55	9,698	17,862	875	.806	.589	.000	-.01	.02	.14
WORKOF01	862	1.95	2.58	2.72	3.79	.06	.02	.02	.01	1.84	2.19	2.28	2.81	1,117	1,002	894	.000	.000	.000	-.29	-.34	-.66
COCURR01	865	2.74	2.41	2.39	2.11	.06	.02	.01	.00	1.76	1.60	1.61	1.55	1,011	939	875	.000	.000	.000	.20	.22	.41

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**National Survey
of Student Engagement**

NSSE 2008 Detailed Statistics ^a

**Virginia Polytechnic Institute and State University
Seniors**

	N					Standard Error of the Mean ^b				Standard Deviation ^c				Degrees of Freedom ^d			Significance ^e			Effect Size ^f		
	Virginia Tech	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech compared with:			Virginia Tech compared with:		
																	Selected Peers	Carnegie Class	NSSE 2008	Selected Peers	Carnegie Class	NSSE 2008
SOCIAL05	867	4.08	3.78	3.80	3.49	.06	.02	.01	.00	1.69	1.58	1.60	1.54	9,683	17,855	877	.000	.000	.000	.19	.17	.39
CAREDE01	866	1.25	1.51	1.56	2.38	.03	.01	.01	.01	.99	1.41	1.48	2.31	1,241	1,075	942	.000	.000	.000	-.19	-.21	-.49
COMMUTE	867	2.13	2.35	2.33	2.36	.02	.01	.01	.00	.69	.81	.83	1.04	1,117	1,001	898	.000	.000	.000	-.28	-.24	-.23
ENVSCHOL	859	3.13	3.15	3.12	3.14	.03	.01	.01	.00	.75	.76	.78	.77	9,607	17,712	873	.460	.654	.728	-.03	.02	-.01
ENVSUPRT	858	3.03	2.84	2.83	2.93	.03	.01	.01	.00	.79	.84	.84	.84	1,055	958	872	.000	.000	.001	.23	.23	.11
ENVDIVRS	856	2.51	2.44	2.44	2.50	.03	.01	.01	.00	.97	.97	.98	.99	9,596	17,690	107,864	.061	.041	.890	.07	.07	.00
ENVNACAD	857	2.25	1.90	1.89	1.99	.03	.01	.01	.00	.95	.87	.88	.94	1,003	932	869	.000	.000	.000	.40	.41	.28
ENVSOCAL	856	2.43	2.26	2.23	2.23	.03	.01	.01	.00	.91	.91	.92	.94	9,581	17,661	107,539	.000	.000	.000	.18	.21	.21
ENVEVENT	854	2.89	2.77	2.75	2.61	.03	.01	.01	.00	.83	.88	.88	.96	1,049	954	871	.000	.000	.000	.14	.16	.29
ENVCOMPT	859	3.61	3.52	3.51	3.46	.02	.01	.01	.00	.63	.70	.71	.74	1,077	973	877	.000	.000	.000	.12	.14	.20
NGNENLED	846	3.30	3.28	3.28	3.29	.03	.01	.01	.00	.75	.80	.79	.79	1,041	943	860	.534	.557	.852	.02	.02	.01
GNWORK	846	3.20	3.02	3.00	3.07	.03	.01	.01	.00	.85	.94	.95	.93	1,058	955	861	.000	.000	.000	.19	.21	.14
GNWRITE	844	3.02	3.04	3.03	3.11	.03	.01	.01	.00	.83	.87	.87	.86	1,034	940	857	.462	.712	.001	-.03	-.01	-.11
GNSPEAK	843	2.96	2.87	2.88	3.00	.03	.01	.01	.00	.84	.93	.93	.90	1,058	950	858	.002	.003	.150	.10	.09	-.05
GNANALY	842	3.43	3.38	3.36	3.36	.02	.01	.01	.00	.70	.76	.76	.76	1,042	945	857	.039	.005	.003	.07	.09	.10
GNQUANT	845	3.26	3.12	3.08	3.08	.03	.01	.01	.00	.79	.89	.90	.88	1,064	958	106,557	.000	.000	.000	.16	.20	.20
GNCMPTS	846	3.36	3.23	3.22	3.22	.03	.01	.01	.00	.78	.85	.85	.85	1,051	950	861	.000	.000	.000	.16	.17	.17
GNOTHERS	844	3.29	3.12	3.10	3.17	.03	.01	.01	.00	.76	.87	.87	.85	1,066	957	859	.000	.000	.000	.20	.21	.14
GNCITIZN	834	2.03	2.21	2.14	2.11	.03	.01	.01	.00	.97	1.03	1.03	1.05	1,023	930	848	.000	.001	.011	-.18	-.11	-.08
GNINQ	833	3.16	3.10	3.07	3.05	.03	.01	.01	.00	.81	.85	.86	.88	9,346	17,260	848	.051	.003	.000	.07	.11	.12
GNSELF	833	2.87	2.83	2.82	2.83	.03	.01	.01	.00	.92	.98	.98	1.00	1,024	930	847	.256	.092	.172	.04	.06	.04
GNDIVERS	833	2.52	2.64	2.63	2.64	.03	.01	.01	.00	.94	.95	.96	.99	9,359	17,253	847	.000	.003	.000	-.13	-.11	-.12
GNPROBSV	834	2.91	2.82	2.79	2.78	.03	.01	.01	.00	.90	.93	.94	.95	1,017	928	848	.004	.000	.000	.10	.13	.14
GNETHICS	833	2.79	2.62	2.62	2.71	.03	.01	.01	.00	.92	1.00	1.01	1.03	1,032	937	849	.000	.000	.018	.17	.17	.07
GNCOMMUN	833	2.67	2.40	2.41	2.48	.03	.01	.01	.00	.93	.98	.99	1.02	1,018	928	848	.000	.000	.000	.28	.26	.19
GNSPIRIT	835	1.89	1.74	1.75	1.96	.03	.01	.01	.00	1.01	.98	.99	1.09	9,352	17,257	849	.000	.000	.068	.16	.15	-.06
ADVISE	844	2.91	2.77	2.74	2.85	.03	.01	.01	.00	.95	.95	.96	.95	9,450	932	106,494	.000	.000	.087	.15	.17	.06
ENTIREXP	844	3.48	3.27	3.25	3.21	.02	.01	.01	.00	.65	.74	.74	.74	1,067	957	106,491	.000	.000	.000	.27	.31	.36
SAMECOLL	843	3.62	3.35	3.31	3.20	.02	.01	.01	.00	.69	.82	.83	.86	1,088	970	863	.000	.000	.000	.33	.38	.49

^a All statistics are weighted by gender, enrollment status, and institutional size.

^b The 95% confidence interval for the population mean is equal to the sample mean plus/minus the product of 1.96 times the standard error of the mean.

^c A measure of the average amount individual scores deviate from the mean of all the scores in the distribution.

^d Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and the equal variances assumption.

^e Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

^f Effect size is calculated by subtracting the comparison group mean from the school mean, and dividing the result by the pooled standard deviation.



**National Survey
of Student Engagement**

Virginia Polytechnic Institute and State University

Frequency Distributions

August 2008

Interpreting the Frequency Distributions Report

Sample

The *Frequency Distributions* report is based on information from all randomly selected students for both your institution and your comparison institutions. Targeted oversamples and other non-randomly selected students are not included in this report.

Variables

The items from the NSSE survey appear in the left column in the same order and wording as they appear on the instrument.

Variable Names

The name of each variable appears in the first column for easy reference to your raw data file and the *Mean Comparisons* report.

Benchmark

Items that comprise the five “Benchmarks of Effective Educational Practice” are indicated by the following:

LAC=Level of Academic

Challenge

ACL=Active and

Collaborative Learning

SFI=Student-Faculty

Interaction

EEE=Enriching Educational

Experiences

SCE=Supportive Campus

Environment

Response Options

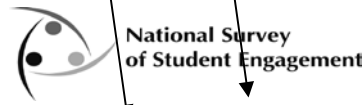
Response options listed just as they appear on the instrument.

Weighting

Weights adjusting for gender, enrollment status, and institutional size are applied to the percentage column (%) of this report. Weights are computed separately for first-year students and seniors. Weighted results present a more accurate representation of your institution and comparison group students. *Only the column percents are weighted. The counts are the actual number of respondents. Because the counts are unweighted and the column percentages are weighted, you will not be able to calculate the column percent directly from the count numbers.* For more information about weighting, please visit the NSSE Web site at www.nsse.iub.edu/2008_Institutional_Report/NSSE_2008_Weighting.cfm.

Class

Frequency distributions are reported separately for first-year students and seniors. Institution-reported class ranks are used.



NSSE 2008 Engagement Item Frequency Distributions *

Variable	Response Options	NSSEville State University																
		First-Year Students								Seniors								
		NSSEville State		Mid East Public		Carnegie Class		NSSE 2008		NSSEville State		Mid East Public		Carnegie Class		NSSE 2008		
Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%			
1a. Asked questions in class or contributed to class discussions	CLQUEST (ACL)	Never	14	3%	451	4%	1,565	5%	4,836	4%	5	1%	251	3%	955	3%	2,712	2%
		Sometimes	211	37%	5,099	44%	13,661	45%	55,638	39%	84	19%	3,555	34%	10,461	33%	38,525	28%
		Often	202	34%	4,111	35%	10,071	33%	52,664	35%	156	32%	3,737	33%	10,549	33%	49,105	33%
		Very often	144	26%	2,152	17%	5,693	17%	34,795	22%	232	48%	3,674	30%	10,465	31%	57,604	36%
	Total	571	100%	11,813	100%	30,990	100%	147,933	100%	477	100%	11,217	100%	32,430	100%	147,946	100%	
b. Made a class presentation	CLPRESEN (ACL)	Never	44	8%	1,959	19%	5,777	20%	20,344	16%	14	3%	566	6%	1,892	7%	6,697	6%
		Sometimes	334	58%	6,759	57%	17,509	56%	80,660	53%	147	32%	4,536	44%	12,648	41%	48,977	35%
		Often	157	27%	2,460	18%	6,060	18%	36,269	23%	206	43%	3,957	33%	11,116	33%	55,559	36%
		Very often	36	7%	626	5%	1,639	5%	10,626	7%	111	22%	2,155	17%	6,764	19%	36,673	23%
	Total	571	100%	11,804	100%	30,985	100%	147,899	100%	478	100%	11,214	100%	32,420	100%	147,906	100%	
c. Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP	Never	73	15%	1,831	17%	5,084	17%	19,478	14%	72	15%	2,298	21%	6,235	20%	24,486	17%
		Sometimes	174	31%	3,761	34%	9,922	32%	46,750	31%	183	38%	4,508	41%	12,655	39%	56,891	38%
		Often	204	33%	3,602	30%	9,622	31%	47,395	32%	113	23%	2,750	24%	8,268	25%	39,304	27%
		Very often	120	21%	2,610	20%	6,342	19%	34,222	23%	110	24%	1,654	14%	5,243	16%	27,190	18%
	Total	571	100%	11,804	100%	30,970	100%	147,845	100%	478	100%	11,210	100%	32,401	100%	147,871	100%	
d. Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT	Never	7	1%	294	3%	905	3%	2,948	3%	5	1%	126	1%	405	1%	1,472	1%
		Sometimes	123	21%	2,768	26%	7,646	26%	31,606	23%	57	12%	1,676	17%	4,813	16%	18,243	14%
		Often	274	49%	5,241	44%	13,382	43%	66,317	44%	184	38%	4,517	40%	12,781	40%	57,611	40%
		Very often	167	28%	3,503	27%	9,032	28%	46,937	31%	232	49%	4,890	42%	14,395	43%	70,535	46%
	Total	571	100%	11,806	100%	30,965	100%	147,808	100%	478	100%	11,209	100%	32,394	100%	147,861	100%	
e. Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS	Never	26	6%	773	7%	2,198	8%	8,966	7%	23	6%	777	9%	2,711	9%	9,446	7%
		Sometimes	178	31%	4,048	34%	10,465	34%	48,551	33%	137	28%	3,655	34%	10,845	34%	46,541	32%
		Often	222	38%	4,537	38%	11,603	38%	56,651	38%	182	39%	3,872	34%	10,742	33%	51,304	34%
		Very often	145	26%	2,434	20%	6,678	21%	33,553	22%	135	27%	2,896	24%	8,066	25%	40,456	27%
	Total	571	100%	11,792	100%	30,944	100%	147,721	100%	477	100%	11,200	100%	32,364	100%	147,747	100%	

Count

The Count column represents the actual number of students who responded to the particular option in each question. *Counts are unweighted.*

Column Percentage (%)

This column represents the *weighted* percentage of students responding to the particular option in each question.



**National Survey
of Student Engagement**

**NSSE 2008 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1a. Asked questions in class or contributed to class discussions	CLQUEST (ACL)	Never	80	9%	421	6%	1,109	6%	6,361	4%	47	5%	321	5%	729	4%	3,780	2%
		Sometimes	442	49%	3,683	49%	9,360	46%	65,811	37%	395	41%	3,046	40%	7,397	37%	47,381	27%
		Often	279	32%	2,509	32%	6,890	33%	64,817	35%	300	31%	2,519	31%	6,600	32%	62,712	33%
		Very often	83	9%	1,022	13%	3,184	15%	44,846	24%	219	22%	1,993	24%	5,783	27%	78,511	38%
	Total	884	100%	7,635	100%	20,543	100%	181,835	100%	961	100%	7,879	100%	20,509	100%	192,384	100%	
1b. Made a class presentation	CLPRESEN (ACL)	Never	113	12%	1,472	22%	3,763	20%	23,491	15%	35	4%	451	7%	1,139	6%	8,452	5%
		Sometimes	498	56%	4,605	59%	12,334	58%	96,380	52%	416	44%	3,629	48%	9,167	46%	61,891	34%
		Often	215	25%	1,268	16%	3,603	18%	46,989	25%	331	34%	2,539	30%	6,802	32%	72,660	36%
		Very often	58	7%	267	3%	778	4%	14,588	8%	177	19%	1,253	15%	3,384	16%	49,210	24%
	Total	884	100%	7,612	100%	20,478	100%	181,448	100%	959	100%	7,872	100%	20,492	100%	192,213	100%	
1c. Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP	Never	188	21%	1,307	21%	3,583	19%	23,685	13%	213	22%	1,556	21%	4,428	22%	31,147	16%
		Sometimes	275	31%	2,538	33%	6,766	33%	58,373	31%	422	44%	3,438	43%	8,732	42%	75,043	39%
		Often	266	30%	2,497	30%	6,456	30%	59,104	32%	211	22%	1,913	24%	4,759	23%	50,462	27%
		Very often	154	17%	1,280	15%	3,704	18%	40,464	23%	115	12%	961	12%	2,563	12%	35,583	18%
	Total	883	100%	7,622	100%	20,509	100%	181,626	100%	961	100%	7,868	100%	20,482	100%	192,235	100%	
1d. Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT	Never	30	3%	266	5%	583	3%	3,640	2%	13	1%	96	2%	241	1%	1,929	1%
		Sometimes	238	27%	2,113	29%	5,341	26%	36,735	21%	178	19%	1,381	19%	3,306	17%	23,226	13%
		Often	391	44%	3,500	44%	9,324	44%	82,462	45%	408	42%	3,289	41%	8,515	41%	75,094	40%
		Very often	223	25%	1,744	23%	5,259	26%	58,853	32%	362	38%	3,105	39%	8,423	40%	91,989	46%
	Total	882	100%	7,623	100%	20,507	100%	181,690	100%	961	100%	7,871	100%	20,485	100%	192,238	100%	
1e. Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS	Never	70	8%	612	9%	1,432	8%	10,829	7%	119	13%	806	11%	1,783	10%	12,039	7%
		Sometimes	344	39%	2,887	37%	7,136	34%	57,587	32%	422	45%	3,024	37%	7,249	35%	59,263	31%
		Often	327	37%	2,799	36%	7,821	38%	70,902	38%	268	27%	2,532	32%	6,722	33%	66,608	34%
		Very often	136	15%	1,318	18%	4,095	20%	42,098	23%	150	15%	1,499	20%	4,684	22%	54,049	27%
	Total	877	100%	7,616	100%	20,484	100%	181,416	100%	959	100%	7,861	100%	20,438	100%	191,959	100%	
1f. Come to class without completing readings or assignments	CLUNPREP	Never	187	21%	1,517	19%	3,834	18%	43,552	23%	132	14%	1,019	13%	2,615	13%	39,031	20%
		Sometimes	492	56%	4,452	58%	12,073	58%	105,687	58%	521	54%	4,412	56%	11,588	56%	111,824	58%
		Often	149	17%	1,221	18%	3,309	17%	22,242	13%	210	22%	1,609	21%	4,138	20%	27,492	15%
		Very often	51	6%	403	6%	1,211	6%	9,277	6%	92	10%	790	10%	2,051	10%	13,033	7%
	Total	879	100%	7,593	100%	20,427	100%	180,758	100%	955	100%	7,830	100%	20,392	100%	191,380	100%	
1g. Worked with other students on projects during class	CLASSGRP (ACL)	Never	109	12%	1,068	16%	2,991	15%	22,880	13%	105	11%	926	13%	2,632	13%	20,379	11%
		Sometimes	397	44%	3,500	46%	9,611	47%	82,904	45%	495	51%	3,622	47%	9,687	48%	82,895	43%
		Often	299	35%	2,414	30%	6,172	30%	57,070	32%	247	26%	2,269	28%	5,645	27%	58,947	31%
		Very often	78	9%	630	8%	1,698	8%	18,570	11%	114	12%	1,048	12%	2,513	12%	29,846	16%
	Total	883	100%	7,612	100%	20,472	100%	181,424	100%	961	100%	7,865	100%	20,477	100%	192,067	100%	

^a Column percentages (%) are weighted by gender, enrollment status, and institutional size. Because the counts are not weighted, you cannot calculate the column % directly from the counts.



**National Survey
of Student Engagement**

**NSSE 2008 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1h. Worked with classmates outside of class to prepare class assignments	OCCGRP (ACL)	Never	81	9%	717	11%	2,147	12%	22,046	14%	23	2%	406	6%	1,065	6%	13,242	7%
		Sometimes	329	37%	3,565	46%	9,530	46%	78,866	44%	253	26%	2,589	34%	7,035	35%	64,934	34%
		Often	331	38%	2,490	32%	6,381	31%	57,480	30%	369	38%	2,673	33%	7,001	33%	66,864	34%
		Very often	141	17%	855	11%	2,457	12%	23,372	12%	315	33%	2,209	26%	5,402	25%	47,283	24%
	Total		882	100%	7,627	100%	20,515	100%	181,764	100%	960	100%	7,877	100%	20,503	100%	192,323	100%
1i. Put together ideas or concepts from different courses when completing assignments or during class discussions	INTIDEAS	Never	30	3%	392	6%	1,071	6%	9,973	7%	26	3%	178	3%	485	3%	5,100	3%
		Sometimes	315	39%	3,030	42%	7,912	41%	66,688	39%	256	28%	2,079	28%	5,249	27%	47,991	27%
		Often	361	44%	2,853	38%	7,676	39%	68,462	39%	386	42%	3,456	44%	8,822	44%	81,498	43%
		Very often	114	14%	949	13%	2,765	14%	27,005	15%	246	27%	1,899	25%	5,230	26%	51,899	27%
	Total		820	100%	7,224	100%	19,424	100%	172,128	100%	914	100%	7,612	100%	19,786	100%	186,488	100%
1j. Tutored or taught other students (paid or voluntary)	TUTOR (ACL)	Never	330	39%	3,333	47%	9,131	46%	85,706	51%	362	39%	3,145	42%	8,431	43%	78,586	43%
		Sometimes	324	40%	2,641	36%	6,950	36%	58,285	33%	373	41%	2,811	36%	7,180	36%	65,547	35%
		Often	119	15%	876	13%	2,387	13%	19,748	11%	120	13%	1,016	14%	2,548	13%	24,163	13%
		Very often	46	6%	363	5%	941	5%	8,379	5%	61	7%	633	8%	1,638	8%	18,178	9%
	Total		819	100%	7,213	100%	19,409	100%	172,118	100%	916	100%	7,605	100%	19,797	100%	186,474	100%
1k. Participated in a community- based project (e.g. service learning) as part of a regular course	COMMPROJ (ACL)	Never	374	45%	4,391	62%	12,191	63%	99,545	59%	517	57%	4,444	60%	11,325	58%	91,240	51%
		Sometimes	262	33%	1,912	25%	4,749	24%	47,315	26%	270	29%	2,110	26%	5,498	27%	58,728	30%
		Often	141	17%	673	9%	1,759	9%	17,518	10%	83	9%	674	9%	1,867	9%	22,846	12%
		Very often	43	5%	229	3%	694	4%	7,544	4%	45	5%	367	5%	1,073	5%	13,420	7%
	Total		820	100%	7,205	100%	19,393	100%	171,922	100%	915	100%	7,595	100%	19,763	100%	186,234	100%
1l. Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment	ITACADEM (EEE)	Never	69	8%	850	13%	2,485	13%	28,497	17%	50	5%	644	9%	1,908	10%	21,269	11%
		Sometimes	238	29%	2,366	33%	6,247	33%	54,700	31%	266	29%	2,212	30%	5,762	30%	53,472	29%
		Often	264	32%	2,195	30%	5,636	29%	47,668	27%	281	31%	2,237	30%	5,609	29%	50,148	27%
		Very often	247	30%	1,800	25%	5,039	26%	41,214	24%	318	35%	2,521	32%	6,513	32%	61,607	33%
	Total		818	100%	7,211	100%	19,407	100%	172,079	100%	915	100%	7,614	100%	19,792	100%	186,496	100%
1m. Used e-mail to communicate with an instructor	EMAIL	Never	8	1%	113	2%	311	2%	2,282	2%	7	1%	52	1%	113	1%	964	1%
		Sometimes	170	21%	1,861	28%	4,800	26%	35,477	23%	121	14%	1,074	15%	2,631	14%	23,008	14%
		Often	327	40%	2,758	38%	7,395	38%	64,506	37%	295	32%	2,472	33%	6,355	33%	57,577	32%
		Very often	314	38%	2,470	33%	6,880	35%	69,624	38%	494	53%	4,004	51%	10,690	52%	104,783	53%
	Total		819	100%	7,202	100%	19,386	100%	171,889	100%	917	100%	7,602	100%	19,789	100%	186,332	100%
1n. Discussed grades or assignments with an instructor	FACGRADE (SFI)	Never	77	9%	805	12%	1,982	11%	12,472	8%	45	5%	464	7%	1,145	6%	7,634	5%
		Sometimes	391	48%	3,619	50%	9,345	48%	71,293	42%	366	40%	3,222	43%	8,174	42%	64,713	36%
		Often	256	32%	1,860	25%	5,349	27%	55,047	31%	313	34%	2,357	30%	6,193	31%	62,360	33%
		Very often	96	11%	918	13%	2,695	14%	33,099	19%	192	21%	1,543	20%	4,265	21%	51,684	26%
	Total		820	100%	7,202	100%	19,371	100%	171,911	100%	916	100%	7,586	100%	19,777	100%	186,391	100%

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**National Survey
of Student Engagement**

**NSSE 2008 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech				Selected Peers				Carnegie Class				NSSE 2008			
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
1o. Talked about career plans with a faculty member or advisor	FACPLANS (SFI)	Never	218	27%	1,479	23%	4,522	23%	36,559	23%	156	17%	1,314	19%	3,326	18%	26,727	17%
		Sometimes	367	45%	3,626	49%	9,562	48%	80,334	46%	435	48%	3,545	47%	9,051	46%	75,644	42%
		Often	172	20%	1,528	21%	3,839	20%	37,660	21%	222	24%	1,755	22%	4,657	23%	48,739	25%
		Very often	60	7%	566	7%	1,462	8%	17,431	10%	103	11%	988	12%	2,756	13%	35,303	17%
	Total		817	100%	7,199	100%	19,385	100%	171,984	100%	916	100%	7,602	100%	19,790	100%	186,413	100%
1p. Discussed ideas from your readings or classes with faculty members outside of class	FACIDEAS (SFI)	Never	356	43%	3,135	43%	8,316	42%	64,024	38%	278	30%	2,417	32%	6,068	31%	47,720	28%
		Sometimes	311	38%	2,823	39%	7,621	39%	69,258	39%	435	48%	3,499	46%	9,000	45%	82,262	44%
		Often	112	14%	921	13%	2,522	14%	26,795	15%	137	15%	1,160	15%	3,178	16%	35,435	18%
		Very often	39	5%	338	5%	962	5%	12,023	7%	67	7%	532	7%	1,546	8%	21,044	11%
	Total		818	100%	7,217	100%	19,421	100%	172,100	100%	917	100%	7,608	100%	19,792	100%	186,461	100%
1q. Received prompt written or oral feedback from faculty on your academic performance	FACFEED (SFI)	Never	73	9%	577	9%	1,500	9%	10,483	7%	47	5%	455	7%	1,080	6%	7,196	5%
		Sometimes	338	42%	2,991	43%	7,831	41%	59,473	36%	361	40%	2,791	38%	7,038	37%	52,844	31%
		Often	296	37%	2,702	36%	7,391	38%	70,015	40%	389	43%	3,248	43%	8,434	43%	84,688	44%
		Very often	87	11%	833	11%	2,352	12%	28,939	16%	111	12%	1,020	13%	2,997	15%	40,119	20%
	Total		794	100%	7,103	100%	19,074	100%	168,910	100%	908	100%	7,514	100%	19,549	100%	184,847	100%
1r. Worked harder than you thought you could to meet an instructor's standards or expectations	WORKHARD (LAC)	Never	58	8%	624	10%	1,710	9%	11,316	7%	76	9%	659	9%	1,578	9%	10,231	6%
		Sometimes	331	41%	2,870	42%	7,600	40%	62,329	37%	354	39%	3,020	40%	7,733	40%	63,264	35%
		Often	302	38%	2,657	35%	7,071	36%	65,994	38%	351	38%	2,778	37%	7,084	36%	72,068	39%
		Very often	105	13%	936	13%	2,666	14%	29,155	17%	126	14%	1,047	14%	3,130	16%	39,134	20%
	Total		796	100%	7,087	100%	19,047	100%	168,794	100%	907	100%	7,504	100%	19,525	100%	184,697	100%
1s. Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)	FACOTHER (SFI)	Never	461	58%	4,233	60%	11,528	60%	90,155	56%	410	46%	3,537	49%	9,012	48%	78,002	46%
		Sometimes	210	27%	1,937	27%	5,037	26%	50,193	28%	313	34%	2,523	33%	6,666	34%	61,035	32%
		Often	93	12%	681	9%	1,800	10%	20,071	11%	134	15%	961	12%	2,519	12%	28,380	14%
		Very often	29	4%	237	4%	659	4%	8,139	5%	48	5%	483	6%	1,327	7%	17,136	8%
	Total		793	100%	7,088	100%	19,024	100%	168,558	100%	905	100%	7,504	100%	19,524	100%	184,553	100%
1t. Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)	OOCIDEAS (ACL)	Never	43	5%	410	6%	1,170	7%	10,555	7%	45	5%	331	4%	777	4%	7,205	4%
		Sometimes	338	44%	2,956	41%	7,504	40%	62,034	37%	361	40%	2,693	35%	6,733	35%	59,034	33%
		Often	289	36%	2,547	36%	6,885	36%	60,757	36%	333	37%	2,812	38%	7,371	38%	69,923	37%
		Very often	124	15%	1,174	17%	3,467	18%	35,149	20%	164	18%	1,657	23%	4,641	23%	48,384	26%
	Total		794	100%	7,087	100%	19,026	100%	168,495	100%	903	100%	7,493	100%	19,522	100%	184,546	100%
1u. Had serious conversations with students of a different race or ethnicity than your own	DIVRSTUD (EEE)	Never	85	11%	857	12%	2,262	12%	24,697	15%	96	11%	755	9%	1,976	10%	22,645	12%
		Sometimes	268	34%	2,495	33%	6,403	33%	57,025	33%	306	34%	2,686	34%	6,618	34%	64,412	34%
		Often	249	32%	2,099	30%	5,560	30%	46,108	27%	275	30%	2,164	29%	5,622	29%	50,864	28%
		Very often	190	24%	1,647	25%	4,831	25%	40,814	24%	229	26%	1,900	27%	5,312	27%	46,696	26%
	Total		792	100%	7,098	100%	19,056	100%	168,644	100%	906	100%	7,505	100%	19,528	100%	184,617	100%

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**NSSE 2008 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
1v.	Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values	DIFFSTU2 (EEE)	Never	49	6%	634	9%	1,617	9%	18,055	12%	56	6%	549	7%	1,383	7%	17,439	10%
			Sometimes	274	35%	2,349	33%	6,048	32%	55,324	33%	323	36%	2,585	34%	6,362	33%	63,330	34%
			Often	264	34%	2,266	32%	6,055	32%	50,706	30%	279	31%	2,387	31%	6,246	32%	55,471	30%
			Very often	206	25%	1,846	26%	5,328	28%	44,592	26%	249	28%	1,987	28%	5,539	28%	48,406	26%
			Total	793	100%	7,095	100%	19,048	100%	168,677	100%	907	100%	7,508	100%	19,530	100%	184,646	100%
2a.	Coursework emphasizes: Memorizing facts, ideas, or methods from your courses and readings	MEMORIZE	Very little	35	4%	308	5%	879	5%	9,615	6%	72	8%	634	9%	1,609	8%	17,156	9%
			Some	168	22%	1,727	25%	4,666	25%	45,248	27%	265	30%	2,174	29%	5,709	29%	57,697	31%
			Quite a bit	349	44%	3,066	42%	8,044	42%	67,674	40%	351	39%	2,790	37%	7,211	37%	66,070	36%
			Very much	242	29%	1,980	28%	5,381	29%	44,965	27%	214	24%	1,882	25%	4,908	25%	42,739	24%
			Total	794	100%	7,081	100%	18,970	100%	167,502	100%	902	100%	7,480	100%	19,437	100%	183,662	100%
2b.	Coursework emphasizes: Analyzing the basic elements of an idea, experience, or theory	ANALYZE (LAC)	Very little	11	1%	92	2%	270	2%	3,124	2%	9	1%	85	1%	229	1%	2,378	1%
			Some	148	19%	1,203	17%	3,132	17%	30,298	19%	125	14%	1,133	15%	2,708	14%	24,875	14%
			Quite a bit	393	50%	3,306	46%	8,882	47%	75,390	45%	386	42%	3,215	43%	8,279	43%	78,127	43%
			Very much	242	30%	2,463	35%	6,670	35%	58,433	34%	380	43%	3,043	41%	8,207	42%	78,056	42%
			Total	794	100%	7,064	100%	18,954	100%	167,245	100%	900	100%	7,476	100%	19,423	100%	183,436	100%
2c.	Coursework emphasizes: Synthesizing and organizing ideas, information, or experiences	SYNTHESZ (LAC)	Very little	25	3%	237	4%	692	4%	6,729	5%	28	3%	268	4%	671	4%	5,500	3%
			Some	214	27%	1,998	28%	5,129	27%	44,921	28%	241	27%	1,824	24%	4,369	23%	38,205	22%
			Quite a bit	349	45%	3,085	43%	8,143	43%	70,368	42%	365	40%	3,072	40%	7,885	40%	74,894	41%
			Very much	205	25%	1,730	25%	4,950	26%	44,862	26%	266	30%	2,299	32%	6,467	33%	64,541	34%
			Total	793	100%	7,050	100%	18,914	100%	166,880	100%	900	100%	7,463	100%	19,392	100%	183,140	100%
2d.	Coursework emphasizes: Making judgments about the value of information, arguments, or methods	EVALUATE (LAC)	Very little	29	4%	350	5%	970	5%	7,740	5%	44	5%	389	6%	1,021	6%	7,821	5%
			Some	220	27%	2,120	30%	5,377	28%	43,157	26%	235	26%	1,928	25%	4,776	25%	39,975	23%
			Quite a bit	359	46%	3,019	43%	8,062	43%	70,750	42%	376	41%	3,017	40%	7,656	40%	73,295	40%
			Very much	184	23%	1,558	22%	4,501	24%	45,396	27%	247	28%	2,135	29%	5,957	30%	62,245	33%
			Total	792	100%	7,047	100%	18,910	100%	167,043	100%	902	100%	7,469	100%	19,410	100%	183,336	100%
2e.	Coursework emphasizes: Applying theories or concepts to practical problems or in new situations	APPLYING (LAC)	Very little	26	3%	152	3%	560	3%	5,619	4%	17	2%	243	4%	629	4%	4,600	3%
			Some	153	19%	1,436	21%	4,017	21%	36,592	23%	150	17%	1,366	19%	3,486	19%	30,046	17%
			Quite a bit	345	44%	2,872	40%	7,690	40%	68,126	40%	334	36%	2,772	37%	7,119	37%	68,619	37%
			Very much	270	34%	2,602	36%	6,660	35%	56,785	33%	401	45%	3,098	41%	8,196	41%	80,156	42%
			Total	794	100%	7,062	100%	18,927	100%	167,122	100%	902	100%	7,479	100%	19,430	100%	183,421	100%
3a.	Number of assigned textbooks, books, or book-length packs of course readings	READASGN (LAC)	None	5	1%	39	1%	113	1%	1,016	1%	35	4%	110	1%	253	1%	2,262	1%
			1-4	172	22%	1,128	17%	2,925	17%	30,501	21%	313	36%	1,977	26%	4,795	25%	44,636	26%
			5-10	362	45%	3,214	46%	8,361	45%	69,366	43%	325	36%	3,044	41%	7,664	40%	68,393	38%
			11-20	198	24%	1,941	26%	5,398	27%	44,291	24%	142	16%	1,465	20%	4,060	20%	39,650	20%
			More than 20	59	7%	755	11%	2,150	11%	21,917	11%	80	9%	883	12%	2,654	13%	28,216	14%
			Total	796	100%	7,077	100%	18,947	100%	167,091	100%	895	100%	7,479	100%	19,426	100%	183,157	100%

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**National Survey
of Student Engagement**

**NSSE 2008 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
3b. Number of books read on your own (not assigned) for personal enjoyment or academic enrichment	READOWN	None	228	29%	1,885	27%	4,843	26%	41,355	25%	192	21%	1,610	22%	3,913	21%	38,012	21%
		1-4	427	54%	3,985	55%	10,543	55%	91,939	54%	491	54%	4,084	54%	10,671	55%	98,719	54%
		5-10	94	11%	823	11%	2,406	12%	21,711	13%	140	16%	1,107	15%	3,068	16%	28,559	16%
		11-20	32	4%	227	4%	636	4%	6,377	4%	42	5%	378	5%	986	5%	9,342	5%
		More than 20	15	2%	157	2%	507	3%	5,825	4%	34	4%	296	4%	788	4%	8,661	5%
		Total	796	100%	7,077	100%	18,935	100%	167,207	100%	899	100%	7,475	100%	19,426	100%	183,293	100%
3c. Number of written papers or reports of <u>20 pages or more</u>	WRITEMOR (LAC)	None	647	81%	6,019	85%	16,098	85%	137,893	81%	447	50%	3,756	51%	9,796	51%	87,885	50%
		1-4	116	15%	785	11%	2,099	11%	21,191	13%	367	40%	3,109	41%	8,084	41%	78,861	41%
		5-10	22	3%	120	2%	382	2%	4,418	3%	66	7%	425	6%	1,055	5%	11,231	6%
		11-20	2	0%	86	1%	207	1%	2,026	1%	12	1%	114	2%	294	2%	2,891	2%
		More than 20	7	1%	53	1%	141	1%	1,607	1%	7	1%	72	1%	194	1%	2,409	1%
		Total	794	100%	7,063	100%	18,927	100%	167,135	100%	899	100%	7,476	100%	19,423	100%	183,277	100%
3d. Number of written papers or reports <u>between 5 and 19 pages</u>	WRITEMID (LAC)	None	84	10%	995	16%	2,331	13%	20,451	14%	108	12%	657	10%	1,611	9%	14,811	9%
		1-4	424	53%	3,657	51%	10,075	52%	88,159	53%	432	48%	3,319	45%	8,490	44%	77,559	44%
		5-10	242	31%	1,925	25%	5,205	27%	44,730	25%	251	28%	2,401	31%	6,324	32%	59,807	31%
		11-20	32	4%	419	6%	1,107	6%	11,320	6%	73	8%	812	10%	2,237	11%	22,585	11%
		More than 20	12	2%	86	2%	236	2%	2,559	2%	35	4%	292	4%	777	4%	8,557	4%
		Total	794	100%	7,082	100%	18,954	100%	167,219	100%	899	100%	7,481	100%	19,439	100%	183,319	100%
3e. Number of written papers or reports of <u>fewer than 5 pages</u>	WRITESML (LAC)	None	34	5%	216	4%	508	3%	4,330	3%	62	7%	356	6%	959	6%	10,578	6%
		1-4	260	33%	2,472	36%	6,130	33%	48,673	31%	308	34%	2,318	33%	6,283	33%	59,228	34%
		5-10	236	29%	2,508	34%	6,704	34%	58,053	34%	246	27%	2,297	30%	5,865	30%	51,640	28%
		11-20	152	19%	1,328	18%	3,872	20%	36,981	21%	167	18%	1,483	19%	3,728	19%	34,190	18%
		More than 20	112	14%	562	8%	1,751	10%	19,320	11%	116	13%	1,024	12%	2,606	13%	27,702	14%
		Total	794	100%	7,086	100%	18,965	100%	167,357	100%	899	100%	7,478	100%	19,441	100%	183,338	100%
4a. Number of problem sets that take you more than an hour to complete	PROBSETA	None	72	9%	763	11%	2,304	12%	21,326	13%	163	17%	1,664	21%	4,736	23%	36,890	19%
		1-2	291	37%	2,553	35%	6,839	36%	58,065	35%	316	35%	2,367	33%	6,234	33%	56,912	32%
		3-4	263	34%	2,278	32%	5,908	31%	53,634	32%	233	26%	2,066	27%	4,992	26%	51,534	29%
		5-6	69	9%	742	10%	1,944	10%	17,600	10%	59	7%	602	8%	1,482	8%	17,224	9%
		More than 6	95	12%	729	11%	1,909	11%	15,812	10%	130	14%	751	11%	1,886	10%	19,321	11%
		Total	790	100%	7,065	100%	18,904	100%	166,437	100%	901	100%	7,450	100%	19,330	100%	181,881	100%
4b. Number of problem sets that take you less than an hour to complete	PROBSETB	None	91	12%	964	16%	2,754	15%	22,299	13%	241	26%	2,438	33%	6,615	33%	50,261	27%
		1-2	289	36%	2,690	39%	6,963	37%	57,916	36%	369	41%	2,682	36%	6,791	36%	63,791	36%
		3-4	201	26%	1,856	25%	4,931	26%	45,737	27%	174	19%	1,354	18%	3,513	18%	37,791	21%
		5-6	91	12%	723	9%	2,002	10%	19,908	12%	46	5%	449	6%	1,114	6%	14,034	8%
		More than 6	118	15%	812	11%	2,218	12%	20,220	13%	73	8%	503	7%	1,238	7%	15,418	9%
		Total	790	100%	7,045	100%	18,868	100%	166,080	100%	903	100%	7,426	100%	19,271	100%	181,295	100%

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**National Survey
of Student Engagement**

**NSSE 2008 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
5.	Select the circle that best represents the extent to which your examinations during the current school year challenged you to do your best work	EXAMS	1 Very little	5	1%	27	0%	100	1%	1,045	1%	10	1%	95	1%	229	1%	2,221	1%
			2	5	1%	43	1%	188	1%	2,031	1%	17	2%	157	2%	398	2%	3,445	2%
			3	28	4%	195	3%	578	3%	5,967	4%	48	5%	382	5%	918	5%	7,597	4%
			4	58	7%	673	10%	1,974	11%	20,932	13%	123	13%	1,024	13%	2,467	13%	22,193	12%
			5	245	31%	2,026	28%	5,376	29%	50,327	30%	316	35%	2,322	30%	5,859	30%	52,229	28%
			6	293	37%	2,678	36%	6,829	35%	55,104	32%	265	29%	2,450	32%	6,359	32%	57,839	31%
			7 Very much	162	20%	1,436	21%	3,897	21%	31,664	19%	124	14%	1,045	15%	3,177	16%	37,369	21%
			Total	796	100%	7,078	100%	18,942	100%	167,070	100%	903	100%	7,475	100%	19,407	100%	182,893	100%
6a.	Attended an art exhibit, play, dance, music, theater, or other performance	ATDART07	Never	126	17%	1,458	22%	3,797	22%	32,760	23%	223	25%	1,778	25%	4,549	25%	47,412	28%
			Sometimes	442	56%	3,560	51%	9,388	49%	75,924	45%	450	50%	3,850	51%	9,693	50%	84,756	46%
			Often	160	20%	1,313	17%	3,649	18%	35,071	20%	137	16%	1,149	15%	3,211	16%	29,904	16%
			Very often	56	7%	685	10%	1,966	11%	21,683	12%	79	9%	644	9%	1,811	9%	19,710	10%
			Total	784	100%	7,016	100%	18,800	100%	165,438	100%	889	100%	7,421	100%	19,264	100%	181,782	100%
6b.	Exercised or participated in physical fitness activities	EXRCSE05	Never	37	5%	484	7%	1,413	8%	18,258	13%	35	4%	615	9%	1,642	9%	24,123	14%
			Sometimes	202	25%	1,905	29%	5,300	29%	45,897	28%	273	31%	2,263	31%	5,793	30%	58,041	32%
			Often	207	26%	1,982	29%	5,376	29%	42,223	26%	227	25%	1,992	27%	5,145	26%	42,961	24%
			Very often	339	44%	2,636	35%	6,684	34%	58,778	33%	355	40%	2,544	33%	6,682	34%	56,330	29%
			Total	785	100%	7,007	100%	18,773	100%	165,156	100%	890	100%	7,414	100%	19,262	100%	181,455	100%
6c.	Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.)	WORSHP05	Never	306	39%	3,172	45%	8,317	45%	66,308	42%	352	40%	3,396	46%	8,493	46%	68,758	39%
			Sometimes	242	31%	2,010	28%	5,243	28%	46,833	27%	282	32%	2,177	29%	5,563	28%	52,675	28%
			Often	131	17%	912	14%	2,543	14%	24,836	15%	112	13%	854	12%	2,383	12%	26,664	14%
			Very often	109	13%	917	13%	2,672	14%	27,269	16%	144	16%	990	13%	2,804	14%	33,398	18%
			Total	788	100%	7,011	100%	18,775	100%	165,246	100%	890	100%	7,417	100%	19,243	100%	181,495	100%
6d.	Examined the strengths and weaknesses of your own views on a topic or issue	OWNVIEW	Never	55	7%	720	10%	1,815	10%	14,855	10%	63	7%	640	9%	1,539	8%	13,720	8%
			Sometimes	340	43%	2,928	40%	7,584	40%	63,283	38%	335	37%	2,964	39%	7,327	38%	63,894	35%
			Often	283	36%	2,374	34%	6,474	34%	57,972	35%	346	39%	2,496	34%	6,695	35%	66,371	36%
			Very often	108	14%	992	16%	2,898	16%	29,144	18%	145	16%	1,312	18%	3,685	19%	37,636	20%
			Total	786	100%	7,014	100%	18,771	100%	165,254	100%	889	100%	7,412	100%	19,246	100%	181,621	100%
6e.	Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	OTHRVIEW	Never	31	4%	396	6%	1,060	6%	8,914	6%	37	4%	384	5%	907	5%	8,253	5%
			Sometimes	296	38%	2,694	38%	6,798	36%	55,714	34%	315	35%	2,532	34%	6,293	33%	55,627	31%
			Often	325	41%	2,657	38%	7,245	38%	64,441	38%	351	39%	2,896	39%	7,579	39%	73,097	40%
			Very often	135	17%	1,251	19%	3,674	20%	36,260	22%	184	21%	1,607	22%	4,463	23%	44,673	24%
			Total	787	100%	6,998	100%	18,777	100%	165,329	100%	887	100%	7,419	100%	19,242	100%	181,650	100%
6f.	Learned something that changed the way you understand an issue or concept	CHNGVIEW	Never	24	3%	225	4%	646	4%	5,620	4%	19	2%	207	3%	543	3%	4,917	3%
			Sometimes	281	36%	2,477	35%	6,354	34%	52,260	32%	290	33%	2,455	33%	6,051	32%	54,377	31%
			Often	331	42%	2,881	40%	7,697	41%	66,632	40%	383	43%	3,071	41%	7,955	41%	74,713	41%
			Very often	151	19%	1,425	21%	4,092	22%	40,764	24%	196	22%	1,686	23%	4,718	24%	47,675	26%
			Total	787	100%	7,008	100%	18,789	100%	165,276	100%	888	100%	7,419	100%	19,267	100%	181,682	100%

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**National Survey
of Student Engagement**

**NSSE 2008 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors											
			Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
7a. Practicum, internship, field experience, co-op experience, or clinical assignment	INTERN04 (EEE)	Have not decided	77	10%	613	10%	1,897	11%	19,855	13%	37	4%	425	7%	1,189	7%	12,602	8%
		Do not plan to do	16	2%	151	2%	529	3%	6,489	5%	148	18%	1,122	16%	2,949	16%	27,722	16%
		Plan to do	612	79%	5,805	82%	14,919	80%	123,278	74%	104	12%	1,266	18%	3,366	19%	37,305	23%
		Done	63	9%	366	6%	1,201	7%	13,056	8%	584	66%	4,538	60%	11,575	59%	102,200	53%
		Total	768	100%	6,935	100%	18,546	100%	162,678	100%	873	100%	7,351	100%	19,079	100%	179,829	100%
7b. Community service or volunteer work	VOLNTR04 (EEE)	Have not decided	60	8%	768	12%	1,987	12%	20,550	14%	53	6%	580	8%	1,358	8%	15,240	9%
		Do not plan to do	25	4%	315	5%	954	6%	9,824	7%	113	14%	1,125	16%	2,782	16%	26,849	17%
		Plan to do	254	33%	3,118	45%	8,098	44%	66,379	41%	78	9%	770	11%	2,048	11%	24,013	15%
		Done	428	55%	2,718	38%	7,474	38%	65,612	38%	629	71%	4,868	64%	12,873	65%	113,440	60%
		Total	767	100%	6,919	100%	18,513	100%	162,365	100%	873	100%	7,343	100%	19,061	100%	179,542	100%
7c. Participate in a learning community or some other formal program where groups of students take two or more classes together	LRNCOM04 (EEE)	Have not decided	244	32%	2,185	29%	5,806	30%	55,126	32%	98	11%	737	10%	1,986	11%	24,125	14%
		Do not plan to do	220	28%	1,990	30%	5,609	31%	41,526	26%	544	63%	4,318	59%	11,167	59%	92,149	51%
		Plan to do	175	23%	1,457	21%	3,962	21%	41,070	26%	39	4%	390	5%	1,025	6%	14,067	9%
		Done	128	17%	1,295	21%	3,156	18%	24,676	16%	188	21%	1,902	26%	4,883	25%	49,071	26%
		Total	767	100%	6,927	100%	18,533	100%	162,398	100%	869	100%	7,347	100%	19,061	100%	179,412	100%
7d. Work on a research project with a faculty member outside of course or program requirements	RESRCH04 (SFI)	Have not decided	278	36%	2,566	35%	6,973	37%	62,482	38%	97	11%	902	12%	2,266	12%	27,420	17%
		Do not plan to do	136	17%	1,245	18%	3,751	20%	37,940	24%	475	55%	3,586	48%	9,636	50%	93,328	51%
		Plan to do	320	42%	2,766	41%	6,957	38%	53,497	32%	73	8%	833	13%	2,106	12%	20,630	13%
		Done	31	4%	353	5%	830	5%	8,224	5%	226	26%	2,018	27%	5,035	26%	37,973	20%
		Total	765	100%	6,930	100%	18,511	100%	162,143	100%	871	100%	7,339	100%	19,043	100%	179,351	100%
7e. Foreign language coursework	FORLNG04 (EEE)	Have not decided	156	20%	976	15%	2,580	15%	27,732	18%	58	7%	348	5%	926	5%	13,583	8%
		Do not plan to do	313	41%	1,704	25%	4,057	23%	40,880	27%	483	57%	2,674	36%	6,403	35%	73,125	41%
		Plan to do	180	24%	1,834	28%	5,718	31%	53,438	33%	53	6%	377	6%	1,055	6%	14,488	9%
		Done	118	15%	2,403	32%	6,149	31%	40,265	22%	276	31%	3,952	53%	10,691	54%	78,374	41%
		Total	767	100%	6,917	100%	18,504	100%	162,315	100%	870	100%	7,351	100%	19,075	100%	179,570	100%
7f. Study abroad	STDABR04 (EEE)	Have not decided	229	30%	1,735	26%	4,521	26%	44,121	28%	61	7%	577	9%	1,606	9%	20,104	13%
		Do not plan to do	179	24%	1,197	17%	2,991	18%	38,926	26%	581	67%	4,542	61%	11,329	60%	112,724	63%
		Plan to do	350	44%	3,862	54%	10,645	54%	74,856	43%	60	7%	580	9%	1,491	8%	14,476	9%
		Done	8	1%	134	2%	379	2%	4,356	3%	168	19%	1,641	22%	4,618	23%	32,065	15%
		Total	766	100%	6,928	100%	18,536	100%	162,259	100%	870	100%	7,340	100%	19,044	100%	179,369	100%
7g. Independent study or self-designed major	INDSTD04 (EEE)	Have not decided	259	34%	2,212	32%	5,899	31%	54,172	33%	49	6%	572	8%	1,477	8%	18,973	12%
		Do not plan to do	374	49%	3,570	50%	9,518	51%	74,169	45%	580	67%	4,980	67%	12,844	67%	109,047	61%
		Plan to do	124	16%	961	15%	2,623	15%	27,970	18%	49	6%	417	7%	1,110	6%	14,727	9%
		Done	10	1%	181	3%	475	3%	5,880	4%	194	22%	1,365	18%	3,593	18%	36,548	18%
		Total	767	100%	6,924	100%	18,515	100%	162,191	100%	872	100%	7,334	100%	19,024	100%	179,295	100%

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Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
7h. Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.)	SNRX04 (EEE)	Have not decided	299	39%	3,067	43%	8,051	43%	60,168	38%	48	5%	681	10%	1,681	10%	17,031	11%
		Do not plan to do	66	9%	799	12%	2,144	12%	17,213	12%	221	25%	2,796	39%	7,189	39%	43,508	26%
		Plan to do	394	52%	2,973	43%	8,046	42%	82,063	48%	156	18%	1,710	23%	4,268	22%	53,620	31%
		Done	7	1%	93	2%	285	2%	2,960	2%	448	52%	2,168	28%	5,933	29%	65,517	32%
		Total	766	100%	6,932	100%	18,526	100%	162,404	100%	873	100%	7,355	100%	19,071	100%	179,676	100%
8a. Quality of relationships with other students	ENVSTU (SCE)	1 Unfriendly, Unsupportive, Sense of alienation	7	1%	58	1%	182	1%	1,777	1%	6	1%	71	1%	198	1%	1,611	1%
		2	12	2%	152	2%	455	3%	4,447	3%	13	2%	160	2%	450	2%	4,103	2%
		3	15	2%	308	5%	907	5%	8,681	6%	24	3%	377	5%	1,007	6%	8,331	5%
		4	62	8%	783	12%	2,185	13%	19,288	13%	67	8%	806	12%	2,093	12%	19,102	11%
		5	117	15%	1,468	21%	3,910	21%	32,528	21%	134	16%	1,520	22%	3,902	21%	35,317	20%
		6	239	31%	2,170	31%	5,656	31%	46,812	28%	268	31%	2,312	30%	5,790	30%	51,765	28%
		7 Friendly, Supportive, Sense of belonging	314	40%	1,996	28%	5,240	27%	48,947	29%	359	40%	2,098	28%	5,629	29%	59,417	32%
		Total	766	100%	6,935	100%	18,535	100%	162,480	100%	871	100%	7,344	100%	19,069	100%	179,646	100%
8b. Quality of relationships with faculty members	ENVFAC (SCE)	1 Unavailable, Unhelpful, Unsympathetic	2	0%	52	1%	136	1%	1,263	1%	8	1%	81	1%	205	1%	1,613	1%
		2	18	3%	208	3%	624	3%	3,886	3%	22	2%	242	3%	624	3%	4,084	3%
		3	62	8%	593	9%	1,661	9%	10,228	7%	50	6%	525	8%	1,360	7%	8,797	6%
		4	150	20%	1,533	24%	4,129	22%	27,333	18%	127	14%	1,285	18%	3,193	17%	22,274	14%
		5	210	28%	2,171	30%	5,560	30%	42,966	26%	247	29%	2,140	29%	5,322	28%	40,900	23%
		6	203	26%	1,648	22%	4,379	23%	45,268	26%	243	28%	2,014	26%	5,328	27%	54,233	29%
		7 Available, Helpful, Sympathetic	122	15%	735	10%	2,060	11%	31,614	18%	173	19%	1,057	14%	3,044	16%	47,819	24%
		Total	767	100%	6,940	100%	18,549	100%	162,558	100%	870	100%	7,344	100%	19,076	100%	179,720	100%
8c. Quality of relationships with administrative personnel and offices	ENVADM (SCE)	1 Unhelpful, Inconsiderate, Rigid	9	1%	146	3%	482	3%	4,440	3%	24	3%	315	5%	949	5%	8,792	5%
		2	43	6%	403	6%	1,280	6%	9,725	7%	52	6%	654	9%	1,834	10%	14,506	9%
		3	82	11%	876	13%	2,483	13%	18,097	12%	90	10%	931	13%	2,646	14%	20,940	12%
		4	184	24%	1,928	28%	5,106	27%	38,721	24%	191	22%	1,735	23%	4,521	24%	38,386	22%
		5	191	25%	1,695	23%	4,427	24%	37,990	23%	215	25%	1,650	22%	4,058	21%	38,117	21%
		6	158	21%	1,212	17%	3,000	17%	30,899	18%	172	20%	1,330	17%	3,103	16%	32,332	17%
		7 Helpful, Considerate, Flexible	100	12%	668	10%	1,743	10%	22,496	14%	126	15%	719	10%	1,939	11%	26,495	14%
		Total	767	100%	6,928	100%	18,521	100%	162,368	100%	870	100%	7,334	100%	19,050	100%	179,568	100%

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Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors					
			Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008	Virginia Tech	Selected Peers	Carnegie Class	NSSE 2008		
			Count	%	Count	%	Count	%	Count	%	Count	%
9a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	ACADPR01 (LAC)	0 hr/wk	2	0%	19	0%	59	0%	576	0%	5	1%
		1-5 hr/wk	64	9%	640	9%	1,944	11%	23,217	17%	120	14%
		6-10 hr/wk	156	21%	1,498	22%	4,241	24%	40,073	26%	210	24%
		11-15 hr/wk	193	25%	1,641	24%	4,375	24%	36,676	22%	196	22%
		16-20 hr/wk	158	21%	1,434	20%	3,655	19%	28,136	16%	121	14%
		21-25 hr/wk	94	13%	826	12%	2,106	11%	16,551	9%	88	10%
		26-30 hr/wk	52	7%	438	6%	1,065	6%	8,417	4%	52	6%
		30+ hr/wk	35	5%	393	6%	983	6%	7,565	4%	74	8%
	Total		754	100%	6,889	100%	18,428	100%	161,211	100%	866	100%
9b. Working for pay <u>on campus</u>	WORKON01	0 hr/wk	670	89%	5,473	79%	14,848	80%	123,345	80%	581	68%
		1-5 hr/wk	8	1%	227	4%	555	3%	8,224	4%	39	4%
		6-10 hr/wk	34	4%	537	8%	1,355	7%	14,838	7%	85	10%
		11-15 hr/wk	27	4%	411	6%	998	6%	7,862	5%	68	8%
		16-20 hr/wk	9	1%	172	2%	476	3%	4,290	3%	37	4%
		21-25 hr/wk	3	0%	32	0%	98	1%	950	1%	32	4%
		26-30 hr/wk	2	0%	13	0%	25	0%	337	0%	11	1%
		30+ hr/wk	2	0%	21	0%	55	0%	1,261	1%	11	1%
	Total		755	100%	6,886	100%	18,410	100%	161,107	100%	864	100%
9c. Working for pay <u>off campus</u>	WORKOF01	0 hr/wk	683	91%	5,749	82%	15,016	81%	111,142	65%	630	72%
		1-5 hr/wk	16	2%	269	4%	715	4%	7,224	4%	36	4%
		6-10 hr/wk	13	2%	266	4%	736	4%	7,525	5%	57	6%
		11-15 hr/wk	15	2%	220	3%	661	4%	7,889	5%	44	5%
		16-20 hr/wk	8	1%	201	3%	625	4%	8,611	6%	39	5%
		21-25 hr/wk	6	1%	91	2%	316	2%	6,049	5%	21	3%
		26-30 hr/wk	2	0%	39	1%	146	1%	3,513	3%	10	1%
		30+ hr/wk	7	1%	42	1%	154	1%	9,000	8%	25	4%
	Total		750	100%	6,877	100%	18,369	100%	160,953	100%	862	100%
9d. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	COCURR01 (EEE)	0 hr/wk	164	22%	1,654	25%	4,828	28%	56,315	40%	200	24%
		1-5 hr/wk	281	37%	2,709	38%	6,829	36%	51,466	30%	298	34%
		6-10 hr/wk	153	20%	1,246	18%	3,355	18%	23,415	13%	157	18%
		11-15 hr/wk	63	8%	604	8%	1,637	8%	13,282	7%	77	9%
		16-20 hr/wk	47	6%	336	5%	874	5%	7,931	4%	65	7%
		21-25 hr/wk	13	2%	157	2%	426	2%	4,021	2%	22	3%
		26-30 hr/wk	9	1%	61	1%	170	1%	1,742	1%	10	1%
		30+ hr/wk	27	4%	128	2%	312	2%	3,060	2%	36	4%
	Total		757	100%	6,895	100%	18,431	100%	161,232	100%	865	100%

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**National Survey
of Student Engagement**

**NSSE 2008 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech				Selected Peers				Carnegie Class				NSSE 2008			
			Count		%		Count		%		Count		%		Count		%	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
9e. Relaxing and socializing (watching TV, partying, etc.)	SOCIAL05	0 hr/wk	11	2%	41	1%	145	1%	1,889	1%	4	0%	62	1%	174	1%	2,401	1%
		1-5 hr/wk	138	18%	1,170	18%	3,253	18%	37,506	23%	137	16%	1,446	21%	3,836	20%	51,347	29%
		6-10 hr/wk	214	28%	1,999	29%	5,304	28%	46,402	28%	229	27%	2,140	30%	5,549	29%	54,240	30%
		11-15 hr/wk	160	21%	1,662	23%	4,320	23%	33,581	21%	218	25%	1,673	22%	4,204	22%	33,537	19%
		16-20 hr/wk	117	16%	949	14%	2,594	14%	19,891	12%	131	15%	1,036	14%	2,635	14%	18,997	11%
		21-25 hr/wk	52	7%	487	7%	1,226	7%	9,490	6%	57	6%	436	6%	1,119	6%	8,052	5%
		26-30 hr/wk	17	2%	220	3%	566	3%	4,385	3%	25	3%	176	3%	505	3%	3,451	2%
		30+ hr/wk	45	6%	351	5%	969	6%	7,795	5%	65	8%	327	5%	916	5%	6,273	4%
	Total	754	100%	6,879	100%	18,377	100%	160,939	100%	866	100%	7,296	100%	18,938	100%	178,298	100%	
9f. Providing care for dependents living with you (parents, children, spouse, etc.)	CAREDE01	0 hr/wk	696	92%	6,064	87%	16,079	86%	121,173	71%	778	89%	6,038	81%	15,322	80%	113,887	61%
		1-5 hr/wk	28	4%	445	7%	1,233	7%	18,092	12%	48	6%	571	9%	1,535	9%	20,203	12%
		6-10 hr/wk	12	2%	140	2%	413	2%	7,335	5%	9	1%	243	4%	685	4%	10,338	6%
		11-15 hr/wk	10	1%	101	2%	295	2%	4,085	3%	8	1%	124	2%	395	2%	6,300	4%
		16-20 hr/wk	4	0%	53	1%	144	1%	2,424	2%	9	1%	79	1%	248	1%	4,895	3%
		21-25 hr/wk	1	0%	20	0%	60	0%	1,063	1%	2	0%	29	0%	101	1%	2,536	2%
		26-30 hr/wk	1	0%	7	0%	17	0%	687	1%	2	0%	22	0%	76	0%	1,857	1%
		30+ hr/wk	1	0%	44	1%	110	1%	5,825	4%	9	1%	184	3%	550	3%	18,045	11%
	Total	753	100%	6,874	100%	18,351	100%	160,684	100%	865	100%	7,290	100%	18,912	100%	178,061	100%	
9g. Commuting to class (driving, walking, etc.)	COMMUTE	0 hr/wk	54	8%	528	8%	1,557	8%	31,295	16%	47	5%	332	4%	925	5%	22,244	10%
		1-5 hr/wk	594	78%	4,689	67%	12,795	69%	99,040	61%	715	82%	4,990	67%	13,298	69%	111,836	62%
		6-10 hr/wk	82	11%	1,228	17%	2,866	16%	19,091	14%	78	9%	1,506	22%	3,517	20%	29,486	19%
		11-15 hr/wk	13	2%	264	4%	701	4%	6,341	5%	12	1%	333	5%	800	5%	8,845	6%
		16-20 hr/wk	7	1%	104	2%	276	2%	2,601	2%	7	1%	91	1%	223	1%	2,950	2%
		21-25 hr/wk	3	0%	26	0%	77	0%	968	1%	3	0%	22	0%	76	0%	1,077	1%
		26-30 hr/wk	1	0%	11	0%	31	0%	434	0%	1	0%	11	0%	38	0%	483	0%
		30+ hr/wk	2	0%	40	1%	105	1%	1,306	1%	3	0%	25	0%	87	0%	1,604	1%
	Total	756	100%	6,890	100%	18,408	100%	161,076	100%	866	100%	7,310	100%	18,964	100%	178,525	100%	
10a. Spending significant amounts of time studying and on academic work	ENVSCHOL (LAC)	Very little	6	1%	76	1%	285	2%	2,640	2%	14	2%	147	2%	418	2%	3,581	2%
		Some	82	11%	901	14%	2,729	15%	24,545	17%	145	17%	1,162	16%	3,237	18%	28,007	17%
		Quite a bit	382	52%	3,230	47%	8,349	46%	72,277	46%	417	48%	3,454	47%	8,566	46%	79,272	45%
		Very much	275	36%	2,607	38%	6,854	36%	59,895	35%	282	33%	2,500	35%	6,608	34%	66,424	36%
	Total	745	100%	6,814	100%	18,217	100%	159,357	100%	858	100%	7,263	100%	18,829	100%	177,284	100%	
10b. Providing the support you need to help you succeed academically	ENVSUPRT (SCE)	Very little	12	2%	145	3%	469	3%	3,842	3%	23	3%	375	6%	1,021	6%	7,527	5%
		Some	130	18%	1,345	22%	3,773	22%	28,919	20%	182	21%	1,999	28%	5,155	28%	39,012	24%
		Quite a bit	342	47%	3,075	45%	8,272	46%	69,553	44%	399	46%	3,212	44%	8,359	44%	77,387	44%
		Very much	257	34%	2,237	31%	5,658	30%	56,697	33%	253	30%	1,664	23%	4,275	23%	53,081	27%
	Total	741	100%	6,802	100%	18,172	100%	159,011	100%	857	100%	7,250	100%	18,810	100%	177,007	100%	

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NSSE 2008 Engagement Item Frequency Distributions ^a Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors											
			Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
10c. Encouraging contact among students from different economic, social, and racial or ethnic backgrounds	ENVDIVRS (EEE)	Very little	73	10%	631	10%	1,789	10%	17,629	12%	129	15%	1,290	18%	3,426	18%	29,209	17%
		Some	220	30%	2,112	30%	5,570	31%	48,554	31%	322	38%	2,806	37%	6,969	36%	61,081	34%
		Quite a bit	285	38%	2,370	35%	6,288	35%	52,944	33%	236	27%	2,039	29%	5,265	28%	51,862	29%
		Very much	164	22%	1,692	25%	4,534	24%	39,869	24%	168	19%	1,117	17%	3,139	17%	34,796	19%
	Total		742	100%	6,805	100%	18,181	100%	158,996	100%	855	100%	7,252	100%	18,799	100%	176,948	100%
10d. Helping you cope with your non-academic responsibilities (work, family, etc.)	ENVNACAD (SCE)	Very little	117	16%	1,499	23%	4,322	24%	34,992	24%	195	23%	2,697	37%	7,289	39%	60,472	36%
		Some	270	36%	2,839	41%	7,631	41%	61,665	38%	349	41%	2,971	41%	7,453	40%	66,759	37%
		Quite a bit	249	33%	1,738	25%	4,424	25%	42,062	26%	205	24%	1,152	16%	2,937	16%	33,679	18%
		Very much	110	15%	715	10%	1,792	10%	20,204	12%	107	12%	417	6%	1,102	6%	15,894	9%
	Total		746	100%	6,791	100%	18,169	100%	158,923	100%	856	100%	7,237	100%	18,781	100%	176,804	100%
10e. Providing the support you need to thrive socially	ENVSOCAL (SCE)	Very little	72	10%	795	13%	2,358	14%	22,782	16%	124	15%	1,515	22%	4,287	23%	40,765	24%
		Some	227	31%	2,356	35%	6,621	36%	56,356	36%	356	42%	2,909	40%	7,574	40%	69,305	39%
		Quite a bit	298	40%	2,459	36%	6,332	35%	53,946	33%	252	29%	2,048	28%	5,024	27%	46,811	26%
		Very much	144	19%	1,180	16%	2,833	15%	25,422	16%	123	14%	767	10%	1,885	10%	19,565	11%
	Total		741	100%	6,790	100%	18,144	100%	158,506	100%	855	100%	7,239	100%	18,770	100%	176,446	100%
10f. Attending campus events and activities (special speakers, cultural performances, athletic events, etc.)	ENVEVENT	Very little	17	2%	282	4%	860	5%	12,371	9%	38	5%	525	8%	1,481	8%	22,818	14%
		Some	151	20%	1,494	24%	4,285	24%	38,080	25%	222	27%	2,053	29%	5,474	30%	51,844	31%
		Quite a bit	323	44%	2,891	42%	7,657	42%	62,286	38%	380	44%	3,034	41%	7,735	41%	64,427	35%
		Very much	254	34%	2,142	29%	5,394	29%	46,162	27%	213	25%	1,629	22%	4,084	21%	37,491	20%
	Total		745	100%	6,809	100%	18,196	100%	158,899	100%	853	100%	7,241	100%	18,774	100%	176,580	100%
10g. Using computers in academic work	ENVCOMPT	Very little	8	1%	82	1%	276	2%	3,262	2%	4	0%	72	1%	239	1%	3,083	2%
		Some	65	9%	786	12%	2,065	12%	21,063	13%	57	6%	580	8%	1,576	9%	16,437	10%
		Quite a bit	230	30%	2,358	35%	6,079	34%	55,836	35%	214	25%	1,927	27%	5,039	27%	51,350	29%
		Very much	440	60%	3,579	51%	9,762	53%	78,938	49%	583	68%	4,680	63%	11,975	63%	106,231	59%
	Total		743	100%	6,805	100%	18,182	100%	159,099	100%	858	100%	7,259	100%	18,829	100%	177,101	100%
11a. Acquiring a broad general education	GNGENLED	Very little	11	2%	78	2%	275	2%	3,441	3%	12	1%	195	3%	457	3%	4,056	3%
		Some	76	10%	872	14%	2,403	14%	21,797	15%	106	13%	955	13%	2,481	14%	21,491	13%
		Quite a bit	327	45%	2,946	43%	7,823	44%	66,223	43%	334	39%	2,710	37%	6,886	37%	62,673	36%
		Very much	321	43%	2,833	41%	7,442	40%	65,190	40%	393	46%	3,334	47%	8,824	47%	87,106	48%
	Total		735	100%	6,729	100%	17,943	100%	156,651	100%	845	100%	7,194	100%	18,648	100%	175,326	100%
11b. Acquiring job or work-related knowledge and skills	GNWORK	Very little	32	5%	454	8%	1,517	9%	13,234	10%	34	4%	485	7%	1,342	8%	10,582	7%
		Some	178	24%	1,804	28%	5,195	29%	42,711	28%	141	17%	1,496	21%	4,143	22%	34,336	20%
		Quite a bit	287	39%	2,478	36%	6,535	37%	57,020	36%	297	36%	2,404	33%	6,069	33%	58,024	33%
		Very much	237	32%	1,977	28%	4,654	26%	43,355	27%	373	44%	2,798	38%	7,062	37%	72,134	40%
	Total		734	100%	6,713	100%	17,901	100%	156,320	100%	845	100%	7,183	100%	18,616	100%	175,076	100%

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**National Survey
of Student Engagement**

**NSSE 2008 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors											
			Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
11c. Writing clearly and effectively	GNWRITE	Very little	42	6%	365	7%	1,063	6%	6,663	5%	26	3%	311	5%	863	5%	6,450	4%
		Some	181	25%	1,626	26%	4,408	25%	32,434	22%	197	24%	1,523	22%	4,010	22%	31,640	19%
		Quite a bit	308	42%	2,777	40%	7,412	41%	64,188	41%	349	41%	2,832	39%	7,279	39%	65,545	38%
		Very much	202	27%	1,942	28%	5,032	28%	53,165	33%	271	32%	2,522	35%	6,474	34%	71,560	39%
		Total	733	100%	6,710	100%	17,915	100%	156,450	100%	843	100%	7,188	100%	18,626	100%	175,195	100%
11d. Speaking clearly and effectively	GNSPEAK	Very little	62	9%	678	12%	1,932	11%	11,634	8%	33	4%	493	8%	1,319	8%	9,250	6%
		Some	197	27%	2,064	32%	5,558	30%	41,242	27%	207	25%	1,856	26%	4,884	26%	37,372	22%
		Quite a bit	296	41%	2,404	34%	6,517	36%	59,958	38%	355	42%	2,654	36%	6,817	36%	64,788	37%
		Very much	175	23%	1,555	22%	3,887	22%	43,524	27%	247	29%	2,181	30%	5,596	30%	63,688	35%
		Total	730	100%	6,701	100%	17,894	100%	156,358	100%	842	100%	7,184	100%	18,616	100%	175,098	100%
11e. Thinking critically and analytically	GNANALY	Very little	8	1%	99	2%	352	2%	3,319	2%	8	1%	137	2%	364	2%	2,971	2%
		Some	98	13%	928	15%	2,640	15%	22,402	15%	76	9%	783	11%	2,040	11%	18,183	11%
		Quite a bit	321	43%	2,772	41%	7,504	42%	63,689	41%	299	35%	2,501	34%	6,514	35%	61,236	36%
		Very much	305	42%	2,912	43%	7,404	41%	66,863	41%	458	54%	3,756	53%	9,694	52%	92,626	51%
		Total	732	100%	6,711	100%	17,900	100%	156,273	100%	841	100%	7,177	100%	18,612	100%	175,016	100%
11f. Analyzing quantitative problems	GNQUANT	Very little	15	2%	220	4%	762	4%	8,104	5%	18	2%	346	5%	974	5%	8,256	5%
		Some	128	17%	1,341	21%	3,877	22%	36,561	24%	129	15%	1,504	20%	3,992	21%	35,940	21%
		Quite a bit	303	41%	2,774	41%	7,326	41%	62,761	40%	321	37%	2,444	34%	6,299	34%	62,693	36%
		Very much	287	40%	2,371	35%	5,917	33%	48,654	31%	376	45%	2,875	41%	7,329	40%	67,950	38%
		Total	733	100%	6,706	100%	17,882	100%	156,080	100%	844	100%	7,169	100%	18,594	100%	174,839	100%
11g. Using computing and information technology	GNCMPTS	Very little	22	3%	288	5%	874	5%	8,161	6%	18	2%	243	4%	643	4%	6,375	4%
		Some	104	14%	1,326	20%	3,734	21%	33,615	21%	103	12%	1,156	16%	3,137	17%	29,106	16%
		Quite a bit	271	37%	2,577	38%	6,652	37%	58,812	37%	284	33%	2,444	34%	6,298	34%	60,068	34%
		Very much	336	47%	2,523	37%	6,653	37%	55,836	36%	440	53%	3,350	46%	8,553	46%	79,625	46%
		Total	733	100%	6,714	100%	17,913	100%	156,424	100%	845	100%	7,193	100%	18,631	100%	175,174	100%
11h. Working effectively with others	GNOTHERS	Very little	31	4%	281	5%	910	6%	7,136	5%	16	2%	264	4%	741	4%	5,864	4%
		Some	122	16%	1,572	25%	4,382	25%	34,762	23%	109	13%	1,281	19%	3,600	20%	29,524	18%
		Quite a bit	293	41%	2,683	39%	7,102	39%	61,582	39%	331	39%	2,646	37%	6,761	36%	63,005	36%
		Very much	285	39%	2,176	31%	5,503	30%	52,816	33%	387	46%	2,991	40%	7,512	39%	76,647	42%
		Total	731	100%	6,712	100%	17,897	100%	156,296	100%	843	100%	7,182	100%	18,614	100%	175,040	100%
11i. Voting in local, state, or national elections	GNCITIZN	Very little	257	36%	1,624	23%	4,942	27%	48,171	31%	292	36%	2,164	30%	6,122	33%	61,646	36%
		Some	239	33%	2,106	31%	5,668	31%	47,875	31%	299	36%	2,423	33%	6,084	32%	54,301	31%
		Quite a bit	159	22%	1,668	26%	4,261	25%	34,665	23%	158	19%	1,541	23%	3,783	21%	33,244	19%
		Very much	60	8%	1,235	20%	2,797	17%	23,124	16%	84	10%	983	14%	2,440	13%	24,105	14%
		Total	715	100%	6,633	100%	17,668	100%	153,835	100%	833	100%	7,111	100%	18,429	100%	173,296	100%

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**National Survey
of Student Engagement**

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Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech				Selected Peers				Carnegie Class				NSSE 2008			
			Count		%		Count		%		Count		%		Count		%	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
11j. Learning effectively on your own	GNINQ	Very little	25	4%	238	4%	750	4%	7,321	5%	31	4%	318	5%	900	5%	8,988	6%
		Some	132	18%	1,253	20%	3,706	21%	34,755	23%	121	14%	1,273	17%	3,391	18%	32,340	19%
		Quite a bit	323	46%	2,953	44%	7,811	44%	66,261	43%	367	44%	2,969	42%	7,623	41%	68,983	40%
		Very much	234	33%	2,174	32%	5,383	30%	45,343	29%	314	38%	2,540	36%	6,496	35%	62,926	35%
		Total	714	100%	6,618	100%	17,650	100%	153,680	100%	833	100%	7,100	100%	18,410	100%	173,237	100%
11k. Understanding yourself	GNSELF	Very little	57	8%	551	9%	1,679	10%	14,852	11%	64	8%	720	11%	2,034	11%	18,333	12%
		Some	174	25%	1,714	26%	4,801	27%	39,527	26%	208	25%	1,828	25%	4,577	25%	41,096	24%
		Quite a bit	290	41%	2,565	38%	6,629	37%	56,084	36%	318	38%	2,445	34%	6,369	34%	58,437	33%
		Very much	192	26%	1,788	27%	4,531	26%	43,190	28%	242	29%	2,111	30%	5,433	29%	55,405	31%
		Total	713	100%	6,618	100%	17,640	100%	153,653	100%	832	100%	7,104	100%	18,413	100%	173,271	100%
11l. Understanding people of other racial and ethnic backgrounds	GNDIVERS	Very little	69	10%	639	10%	1,836	11%	18,517	12%	111	13%	895	12%	2,442	13%	23,792	14%
		Some	238	33%	2,146	32%	5,791	33%	48,330	31%	317	39%	2,508	34%	6,232	34%	55,094	32%
		Quite a bit	271	38%	2,334	35%	6,146	35%	51,875	33%	251	30%	2,265	32%	5,828	32%	53,898	31%
		Very much	136	19%	1,508	23%	3,880	22%	34,966	23%	153	18%	1,440	22%	3,895	22%	40,418	24%
		Total	714	100%	6,627	100%	17,653	100%	153,688	100%	832	100%	7,108	100%	18,397	100%	173,202	100%
11m. Solving complex real-world problems	GNPROBSV	Very little	51	7%	479	8%	1,584	9%	15,171	11%	55	7%	605	9%	1,750	10%	16,945	10%
		Some	202	28%	2,075	31%	5,760	32%	49,070	32%	202	25%	2,023	28%	5,244	28%	48,363	28%
		Quite a bit	294	41%	2,570	38%	6,572	37%	55,973	36%	332	39%	2,586	36%	6,573	36%	62,029	35%
		Very much	166	24%	1,503	23%	3,733	21%	33,490	22%	244	29%	1,895	27%	4,851	26%	45,905	26%
		Total	713	100%	6,627	100%	17,649	100%	153,704	100%	833	100%	7,109	100%	18,418	100%	173,242	100%
11n. Developing a personal code of values and ethics	GNETHICS	Very little	58	9%	764	13%	2,289	14%	18,298	13%	70	9%	1,042	15%	2,871	16%	23,236	15%
		Some	201	28%	1,953	30%	5,404	31%	42,889	28%	245	30%	2,144	31%	5,396	30%	45,326	27%
		Quite a bit	263	37%	2,342	35%	6,076	34%	52,762	34%	299	36%	2,289	31%	5,764	31%	54,251	30%
		Very much	194	27%	1,563	22%	3,879	22%	39,714	25%	219	26%	1,628	23%	4,367	23%	50,407	28%
		Total	716	100%	6,622	100%	17,648	100%	153,663	100%	833	100%	7,103	100%	18,398	100%	173,220	100%
11o. Contributing to the welfare of your community	GNCOMMUN	Very little	50	7%	923	16%	2,742	17%	25,111	18%	84	11%	1,339	20%	3,505	20%	31,165	20%
		Some	197	28%	2,375	35%	6,284	36%	51,572	34%	276	34%	2,658	36%	6,592	36%	55,958	33%
		Quite a bit	256	36%	2,183	32%	5,682	32%	47,802	30%	285	34%	1,970	28%	5,100	28%	49,275	27%
		Very much	211	29%	1,136	16%	2,932	16%	29,197	18%	187	22%	1,137	16%	3,215	17%	36,808	20%
		Total	714	100%	6,617	100%	17,640	100%	153,682	100%	832	100%	7,104	100%	18,412	100%	173,206	100%
11p. Developing a deepened sense of spirituality	GNSPIRIT	Very little	238	33%	2,760	41%	7,494	42%	53,725	37%	380	46%	3,986	56%	10,176	56%	77,328	47%
		Some	227	32%	1,892	28%	4,884	27%	42,315	27%	237	28%	1,691	23%	4,344	23%	43,020	24%
		Quite a bit	163	23%	1,176	18%	3,216	18%	32,157	20%	131	15%	820	12%	2,163	12%	26,903	15%
		Very much	88	12%	802	13%	2,067	12%	25,433	16%	86	10%	604	9%	1,714	9%	25,868	14%
		Total	716	100%	6,630	100%	17,661	100%	153,630	100%	834	100%	7,101	100%	18,397	100%	173,119	100%

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**National Survey
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**NSSE 2008 Engagement Item Frequency Distributions^a
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First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
12. Overall, how would you evaluate the quality of academic advising you have received at your institution?	ADVISE	Poor	44	6%	315	5%	1,108	6%	8,014	6%	77	9%	838	12%	2,373	12%	16,655	11%
		Fair	132	19%	1,187	18%	3,493	19%	26,510	18%	185	22%	1,720	24%	4,630	25%	35,220	21%
		Good	307	43%	3,175	47%	8,284	47%	72,670	47%	316	37%	2,867	40%	7,197	39%	69,903	40%
		Excellent	241	33%	2,023	29%	4,979	29%	48,486	30%	265	31%	1,751	24%	4,388	24%	53,144	28%
		Total	724	100%	6,700	100%	17,864	100%	155,680	100%	843	100%	7,176	100%	18,588	100%	174,922	100%
13. How would you evaluate your entire educational experience at this institution?	ENTIREXP	Poor	8	1%	85	2%	262	2%	2,790	2%	11	1%	146	2%	394	2%	3,687	2%
		Fair	47	7%	569	10%	1,715	10%	16,572	12%	37	5%	732	11%	1,951	11%	19,212	12%
		Good	301	41%	3,254	48%	8,820	50%	77,440	51%	327	39%	3,239	45%	8,589	46%	81,358	48%
		Excellent	368	51%	2,790	40%	7,062	38%	58,853	35%	468	55%	3,054	43%	7,646	41%	70,652	38%
		Total	724	100%	6,698	100%	17,859	100%	155,655	100%	843	100%	7,171	100%	18,580	100%	174,909	100%
14. If you could start over again, would you go to the same institution you are now attending?	SAMECOLL	Definitely no	9	1%	147	2%	483	3%	6,482	4%	17	2%	280	4%	772	4%	8,977	5%
		Probably no	46	6%	567	9%	1,728	10%	18,389	12%	47	6%	677	9%	1,904	10%	22,255	13%
		Probably yes	178	24%	2,311	35%	6,458	37%	61,440	40%	169	20%	2,340	33%	6,439	35%	64,905	38%
		Definitely yes	492	68%	3,680	53%	9,211	51%	69,438	43%	609	72%	3,881	53%	9,474	50%	78,789	44%
		Total	725	100%	6,705	100%	17,880	100%	155,749	100%	842	100%	7,178	100%	18,589	100%	174,926	100%

IPEDS: 233921

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	Variable	Response Options	Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
15. Age	AGE	19 or younger	696	95%	6,422	96%	17,099	95%	135,593	83%	1	0%	51	1%	94	1%	574	0%
		20-23	31	4%	235	3%	655	4%	10,598	8%	779	91%	6,227	84%	15,697	83%	117,516	62%
		24-29	1	0%	39	0%	87	0%	3,655	3%	51	7%	576	9%	1,788	11%	26,137	18%
		30-39	0	0%	9	0%	39	0%	3,426	3%	7	1%	211	3%	644	4%	15,744	10%
		40-55	0	0%	7	0%	21	0%	2,603	2%	7	1%	105	2%	337	2%	13,693	8%
		Over 55	0	0%	1	0%	7	0%	229	0%	0	0%	6	0%	36	0%	1,186	1%
		Total	728	100%	6,713	100%	17,908	100%	156,104	100%	845	100%	7,176	100%	18,596	100%	174,850	100%
16. Sex	SEX	Male	341	56%	2,887	50%	7,056	48%	55,626	45%	482	61%	3,202	50%	7,831	49%	62,445	43%
		Female	388	44%	3,829	50%	10,849	52%	100,465	55%	360	39%	3,976	50%	10,765	51%	112,436	57%
		Total	729	100%	6,716	100%	17,905	100%	156,091	100%	842	100%	7,178	100%	18,596	100%	174,881	100%
17. Are you an international student or foreign national?	INTERNAT	No	704	97%	6,326	94%	16,981	95%	147,360	94%	814	96%	6,830	94%	17,721	95%	166,611	95%
		Yes	22	3%	379	6%	894	5%	8,248	6%	31	4%	338	6%	844	5%	7,975	5%
		Total	726	100%	6,705	100%	17,875	100%	155,608	100%	845	100%	7,168	100%	18,565	100%	174,586	100%
18. Racial or ethnic identification	RACE05	American Indian or other Native American	2	0%	26	0%	99	1%	1,258	1%	3	0%	30	0%	82	0%	1,367	1%
		Asian, Asian American, or Pacific Islander	44	6%	754	14%	2,058	12%	10,035	7%	58	7%	632	11%	1,758	11%	9,330	7%
		Black or African American	16	2%	259	4%	815	4%	11,075	9%	22	3%	200	3%	666	3%	11,910	8%
		White (non-Hispanic)	590	81%	4,788	65%	12,513	68%	109,086	65%	678	80%	5,264	69%	13,514	70%	124,012	67%
		Mexican or Mexican American	5	1%	111	3%	197	2%	3,658	3%	1	0%	108	2%	189	1%	4,369	3%
		Puerto Rican	4	1%	52	1%	130	1%	1,169	1%	5	1%	42	1%	91	1%	1,077	1%
		Other Hispanic or Latino	11	2%	194	4%	460	3%	4,050	3%	12	1%	188	3%	441	3%	4,462	3%
		Multiracial	15	2%	119	2%	453	3%	4,033	3%	16	2%	177	3%	465	3%	3,827	2%
		Other	6	1%	80	1%	237	1%	2,351	2%	8	1%	73	1%	233	1%	2,566	2%
		I prefer not to respond	35	5%	326	5%	929	5%	9,092	6%	42	5%	463	7%	1,148	6%	11,862	7%
		Total	728	100%	6,709	100%	17,891	100%	155,807	100%	845	100%	7,177	100%	18,587	100%	174,782	100%
19. What is your current classification in college?	CLASS	Freshman/first year	625	85%	6,135	90%	16,318	89%	134,521	82%	1	0%	6	0%	17	0%	179	0%
		Sophomore	96	14%	437	9%	1,348	10%	16,647	14%	2	0%	31	0%	54	0%	722	1%
		Junior	4	1%	117	1%	175	1%	2,381	2%	34	4%	440	7%	936	6%	8,953	6%
		Senior	0	0%	11	0%	24	0%	764	1%	757	89%	6,567	90%	17,296	92%	160,250	91%
		Unclassified	2	0%	12	0%	32	0%	1,542	1%	51	6%	138	2%	289	2%	4,581	3%
		Total	727	100%	6,712	100%	17,897	100%	155,855	100%	845	100%	7,182	100%	18,592	100%	174,685	100%
20. Did you begin college at your current institution or elsewhere?	ENTER	Started here	692	95%	6,454	97%	17,214	96%	141,060	89%	733	86%	5,354	71%	13,403	70%	102,672	54%
		Started elsewhere	33	5%	251	3%	672	4%	14,722	11%	111	14%	1,823	29%	5,185	30%	72,179	46%
		Total	725	100%	6,705	100%	17,886	100%	155,782	100%	844	100%	7,177	100%	18,588	100%	174,851	100%

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National Survey of Student Engagement

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Seniors

	Variable	Response Options	Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21. Since graduating from high school, which of the following types of schools have you attended other than the one you are attending now? (Select all that apply.)	VOTECH05	Vocational or technical school	7	1%	60	1%	141	1%	5,371	4%	14	2%	212	3%	515	3%	12,555	7%
	COMCOL05	Community or junior college	42	5%	312	5%	781	4%	12,455	8%	170	18%	1,612	24%	4,291	23%	61,232	35%
	FOURYR05	4-year college other than this one	45	5%	299	3%	817	4%	11,995	7%	93	10%	1,272	17%	3,750	18%	44,005	23%
	NONE05	None	630	69%	5,908	70%	15,782	71%	125,496	64%	580	59%	4,329	48%	10,913	49%	79,936	37%
	OCOL1_05	Other	9	1%	124	1%	319	2%	4,704	3%	17	2%	245	3%	629	3%	7,585	4%
	Total		726	100%	6,705	100%	17,888	100%	155,811	100%	846	100%	7,181	100%	18,582	100%	174,771	100%
22. Thinking about this current academic term...How would you characterize your enrollment?	ENRLMENT	Less than full-time	5	1%	42	1%	190	1%	5,874	6%	44	6%	586	12%	1,505	11%	23,253	16%
		Full-time	721	99%	6,663	99%	17,698	99%	149,937	94%	802	94%	6,595	88%	17,077	89%	151,518	84%
	Total	726	100%	6,705	100%	17,888	100%	155,811	100%	846	100%	7,181	100%	18,582	100%	174,771	100%	
23. Are you member of a social fraternity or sorority?	FRATSORO	No	636	88%	5,895	87%	15,456	86%	141,067	91%	705	84%	6,246	87%	15,848	86%	154,851	89%
		Yes	89	12%	804	13%	2,421	14%	14,488	9%	138	16%	926	13%	2,718	14%	19,768	11%
	Total	725	100%	6,699	100%	17,877	100%	155,555	100%	843	100%	7,172	100%	18,566	100%	174,619	100%	
24. Are you a student-athlete on a team sponsored by your institution's athletics department?	ATHLETE	No	684	94%	6,379	96%	16,897	95%	136,245	91%	813	97%	6,958	97%	17,969	97%	162,050	95%
		Yes	42	6%	320	4%	973	5%	19,154	9%	30	3%	221	3%	603	3%	12,353	5%
	Total	726	100%	6,699	100%	17,870	100%	155,399	100%	843	100%	7,179	100%	18,572	100%	174,403	100%	
25. What have most of your grades been up to now at this institution?	GRADES04	C- or lower	8	1%	65	1%	257	2%	2,710	2%	5	1%	19	0%	47	0%	399	0%
		C	28	4%	178	3%	519	3%	5,539	4%	21	3%	114	2%	332	2%	2,882	2%
		C+	58	8%	306	6%	878	5%	8,890	6%	43	5%	236	4%	690	4%	6,711	4%
		B-	78	11%	434	7%	1,322	8%	13,258	9%	78	9%	522	8%	1,409	8%	12,299	8%
		B	187	25%	1,364	21%	3,690	21%	32,375	21%	211	25%	1,387	20%	3,769	20%	33,903	20%
		B+	138	19%	1,336	19%	3,622	20%	30,709	19%	205	24%	1,593	22%	4,055	22%	36,389	21%
		A-	102	14%	1,480	21%	3,778	20%	30,508	18%	145	17%	1,637	21%	4,113	21%	37,629	20%
		A	129	18%	1,542	22%	3,811	21%	31,296	20%	136	16%	1,666	23%	4,156	23%	44,181	25%
Total	728	100%	6,705	100%	17,877	100%	155,285	100%	844	100%	7,174	100%	18,571	100%	174,393	100%		
26. Which of the following best describes where you are living now while attending college?	LIVENOW	Dormitory or campus housing	641	90%	5,583	81%	15,077	81%	108,324	63%	97	12%	663	10%	2,257	11%	31,504	14%
		Residence, walking distance	22	3%	385	7%	930	7%	9,060	7%	342	40%	3,803	49%	8,073	44%	42,930	25%
		Residence, driving distance	43	6%	540	10%	1,558	11%	33,003	29%	369	45%	2,415	38%	7,455	42%	89,027	60%
		Fraternity or sorority house	4	1%	129	2%	181	1%	850	1%	28	3%	209	3%	562	3%	2,741	1%
		Total	710	100%	6,637	100%	17,746	100%	151,237	100%	836	100%	7,090	100%	18,347	100%	166,202	100%

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			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
27a. What is the highest level of education that your <u>father</u> completed?	FATHREDU	Did not finish HS	24	3%	259	5%	662	4%	10,835	8%	22	3%	272	5%	769	5%	15,719	10%
		Graduated from HS	85	12%	1,086	16%	2,860	16%	36,608	24%	105	13%	1,205	16%	2,984	16%	41,535	24%
		Attended, no degree	65	9%	694	11%	1,963	11%	20,736	14%	93	11%	743	10%	2,056	11%	23,725	14%
		Completed Associate's	38	5%	501	7%	1,284	7%	12,681	8%	39	5%	545	7%	1,274	7%	14,377	8%
		Completed Bachelor's	280	40%	2,237	33%	5,689	32%	40,084	25%	306	36%	2,230	31%	5,762	31%	42,480	24%
		Completed Master's	168	23%	1,217	18%	3,386	19%	22,254	14%	198	23%	1,327	19%	3,437	18%	23,050	13%
		Completed Doctorate	60	8%	668	10%	1,915	10%	10,480	6%	80	10%	810	12%	2,185	12%	12,263	7%
Total			720	100%	6,662	100%	17,759	100%	153,678	100%	843	100%	7,132	100%	18,467	100%	173,149	100%
27b. What is the highest level of education that your <u>mother</u> completed?	MOTHREDU	Did not finish HS	15	2%	217	4%	539	3%	8,085	6%	14	2%	220	4%	600	4%	12,445	8%
		Graduated from HS	79	11%	1,092	16%	2,673	15%	32,920	22%	122	15%	1,311	18%	3,119	18%	42,593	25%
		Attended, no degree	67	9%	779	12%	2,193	12%	23,661	16%	86	10%	778	11%	2,245	12%	25,999	15%
		Completed Associate's	86	12%	772	12%	2,104	12%	19,598	13%	104	13%	860	11%	2,125	11%	21,630	12%
		Completed Bachelor's	304	42%	2,456	36%	6,380	35%	44,218	27%	317	37%	2,421	33%	6,205	33%	43,437	24%
		Completed Master's	145	20%	1,113	16%	3,179	17%	21,690	13%	178	21%	1,265	18%	3,490	18%	23,615	13%
		Completed Doctorate	25	3%	253	4%	740	4%	4,248	3%	21	3%	294	4%	736	4%	4,115	2%
Total			721	100%	6,682	100%	17,808	100%	154,420	100%	842	100%	7,149	100%	18,520	100%	173,834	100%
28. Primary major or expected primary major, in collapsed categories	MAJRPCOL	Arts and Humanities	46	6%	688	11%	2,149	13%	21,983	13%	60	7%	933	14%	2,789	15%	27,089	15%
		Biological Science	84	11%	634	11%	1,854	11%	13,180	8%	62	7%	719	11%	1,821	10%	12,494	7%
		Business	111	16%	992	14%	2,742	17%	23,079	17%	126	16%	813	11%	2,303	13%	29,935	18%
		Education	3	0%	281	3%	680	4%	13,868	8%	0	0%	284	3%	721	4%	16,944	9%
		Engineering	188	30%	1,015	16%	2,153	12%	9,180	7%	237	31%	1,177	17%	2,453	14%	9,199	6%
		Physical Science	26	4%	282	5%	750	4%	5,762	4%	31	4%	339	5%	731	4%	6,010	3%
		Professional	27	4%	561	8%	1,571	9%	16,157	11%	44	5%	540	8%	1,271	7%	15,561	9%
		Social Science	71	10%	720	12%	2,264	13%	19,483	12%	88	11%	969	14%	3,170	16%	26,437	14%
		Other	135	18%	1,080	15%	2,429	14%	21,596	16%	159	19%	1,306	17%	3,118	17%	28,784	18%
		Undecided	6	1%	267	4%	776	4%	6,292	4%	0	0%	0	0%	1	0%	66	0%
Total			697	100%	6,520	100%	17,368	100%	150,580	100%	807	100%	7,080	100%	18,378	100%	172,519	100%
29. Second major or expected second major (not minor, concentration, etc.) if applicable, in collapsed categories	MAJRSCOL	Arts and Humanities	14	9%	452	23%	1,371	25%	11,555	24%	26	16%	446	27%	1,299	27%	10,023	23%
		Biological Science	10	6%	95	5%	270	5%	1,923	4%	11	7%	98	6%	236	5%	1,599	4%
		Business	33	23%	303	13%	706	15%	5,986	16%	25	16%	197	12%	571	14%	6,475	17%
		Education	2	1%	69	3%	174	3%	3,236	7%	0	0%	42	3%	152	3%	3,797	8%
		Engineering	20	15%	100	4%	156	3%	1,065	3%	12	8%	47	3%	100	2%	667	2%
		Physical Science	19	14%	129	8%	337	7%	2,555	6%	14	8%	148	10%	308	8%	2,320	6%
		Professional	4	2%	154	8%	425	8%	3,161	8%	5	3%	76	5%	176	4%	1,900	5%
		Social Science	18	12%	375	20%	1,083	20%	7,525	16%	42	25%	370	22%	1,192	24%	7,628	18%
		Other	25	16%	285	14%	607	12%	5,354	14%	26	16%	201	11%	508	11%	5,393	14%
Undecided	2	1%	41	2%	109	2%	1,278	3%	2	1%	17	1%	42	1%	736	2%		
Total			147	100%	2,003	100%	5,238	100%	43,638	100%	163	100%	1,642	100%	4,584	100%	40,538	100%

^a Column percentages (%) are weighted by gender, enrollment status, and institutional size. Because the counts are not weighted, you cannot calculate the column % directly from the counts.



**National Survey
of Student Engagement**

**NSSE 2008 Background Item Frequency Distributions ^a
Virginia Polytechnic Institute and State University**

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008		Virginia Tech		Selected Peers		Carnegie Class		NSSE 2008	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Institution reported: Gender	GENDER	Male	429	57%	3,324	49%	8,249	48%	66,437	45%	558	61%	3,610	51%	8,874	50%	70,632	44%
		Female	474	43%	4,435	51%	12,653	52%	118,189	55%	420	39%	4,394	49%	11,950	50%	124,265	56%
		Total	903	100%	7,759	100%	20,902	100%	184,626	100%	978	100%	8,004	100%	20,824	100%	194,897	100%
Institution reported: Race or ethnicity	ETHNICIT	African American/Black	27	3%	364	7%	1,123	6%	13,868	11%	28	3%	268	4%	854	4%	13,644	9%
		Am. Indian/Native Amer.	1	0%	26	0%	98	0%	1,208	1%	3	0%	25	0%	92	0%	1,322	1%
		Asian/Pacific Islander	50	5%	654	12%	2,101	11%	9,295	6%	64	6%	578	11%	1,849	10%	8,732	6%
		Caucasian/White	700	78%	4,874	63%	13,796	69%	114,489	64%	762	78%	5,195	69%	14,375	72%	124,720	67%
		Hispanic/Latino	32	4%	465	9%	1,030	7%	10,556	9%	20	2%	391	7%	851	5%	11,117	8%
		Other	80	9%	11	0%	179	1%	2,317	2%	88	9%	18	0%	155	1%	1,490	1%
		Foreign	13	2%	203	4%	427	3%	3,675	2%	13	1%	238	4%	400	3%	3,308	2%
		Multi-racial	0	0%	0	0%	32	0%	622	0%	0	0%	0	0%	32	0%	478	0%
		Unknown	0	0%	322	4%	736	4%	8,232	5%	0	0%	322	4%	717	4%	9,427	5%
Total	903	100%	6,919	100%	19,522	100%	164,262	100%	978	100%	7,035	100%	19,325	100%	174,238	100%		
Institution reported: Enrollment	ENROLLMT	Part-time	2	0%	149	9%	369	5%	8,391	8%	29	5%	723	16%	1,563	13%	28,571	19%
		Full-time	901	100%	7,610	91%	20,533	95%	176,235	92%	949	95%	7,281	84%	19,261	87%	166,326	81%
		Total	903	100%	7,759	100%	20,902	100%	184,626	100%	978	100%	8,004	100%	20,824	100%	194,897	100%
Mode of completion of the questionnaire	MODECOMP	Paper	0	0%	23	1%	47	1%	4,576	4%	0	0%	62	2%	104	1%	4,998	5%
		Web	903	100%	7,736	99%	20,855	99%	180,050	96%	978	100%	7,942	98%	20,720	99%	189,899	95%
		Total	903	100%	7,759	100%	20,902	100%	184,626	100%	978	100%	8,004	100%	20,824	100%	194,897	100%
Thinking about this current academic term...Are you taking all courses entirely online? (item appeared only in the online instrument.)	DISTED	No	712	98%	6,625	99%	17,730	99%	147,302	97%	842	99%	7,039	99%	18,283	99%	162,011	96%
		Yes	15	2%	59	1%	111	1%	3,912	3%	4	1%	81	1%	200	1%	7,775	4%
		Total	727	100%	6,684	100%	17,841	100%	151,214	100%	846	100%	7,120	100%	18,483	100%	169,786	100%

IPEDS: 233921

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