
Analysis of FHSU Results for the 2012 National Survey of Student Engagement by Major Department

A Study Detailing Engagement
Means for Seniors at the Major
Department Level

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1. Analytic Parameters

These analyses are predicated on the following parameters, unless otherwise indicated:

Dependent measures: 2012 NSSE indexes and questions
Independent variable: Major department
Sample\Population: Students with class rank of senior
Notations: Top five departments are noted in green and the bottom five departments are noted in yellow for each index. Departments with percentage of completion higher than 30% noted in blue.

2. Results

The sampling (n = 451) is drawn from the larger senior population (N = 2001) submitted for analysis. The sample included 286 female students and 165 male students. Of the seniors, 388 were US residents and 27 were international students. Additionally, 124 seniors began their studies at FHSU, while 292 began their college education elsewhere. Regarding enrollment, 169 are characterized as less than full-time and 282 are considered full-time. The racial composition of this sample is noted below.

Native American	Asian	African American	White	Hispanic	Other/Not Identified
2	6	20	365	21	41

The senior sample is comprised of the following student ages:

19 or younger	20 to 23	24 to 29	30 to 39	40 to 55	Over 55
2	165	63	79	97	9

Active department recruitment of senior students to take NSSE is always helpful. The following table details the number of seniors in the sample, the number actually participating, and the response rate.

Major Department	n	Sample	% Response
101 Art	15	66	22.7%
104 Chemistry	3	9	33.3%
117 Communication Studies	5	11	45.4%
107 English	6	26	23.1%
120 General Studies	99	380	26.0%
105 Geosciences	1	24	4.2%

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109 History	3	24	12.5%
121 Justice Studies	14	105	13.3%
122 Leadership Studies	29	65	44.6%
110 Mathematics and Computer Science	6	29	20.7%
108 Modern Languages	0	6	0%
111 Music	3	21	14.3%
112 Philosophy	0	3	0%
113 Physics	3	6	50%
114 Political Science	10	30	33.3%
115 Psychology	18	37	48.6%
116 Sociology and Social Work	28	104	26.9%
COAS department average response	243	946	25.7%
403 Economics and Finance	19	62	30.6%
407 Informatics	29	141	20.6%
401 Management and Marketing	41	224	18.3%
COBE department average response	89	427	20.8%
235 Teacher Education	43	232	18.5%
233 Technology Studies	3	33	9.1%
COET department average response	46	265	17.4%
300 Agriculture	13	60	21.7%
305 Allied Health	11	56	19.6%
302 Biological Sciences	7	43	16.3%
317 Communication Disorders	6	9	66.7%
331 Health and Human Performance	13	88	14.8%
340 Nursing	23	107	21.5%
CHLS department average response	73	363	20.1%
University department average response	451	2001	22.5%

Analysis 2.1: Level of Academic Challenge. This analysis explored the difference between senior students of different major departments on level of academic challenge. This index measures challenging intellectual and creative work deemed central to student learning and collegiate quality. Colleges and universities promote high levels of student achievement by emphasizing the importance of academic effort and setting high expectations for student performance. This index includes the following items:

- Preparing for class (studying, reading, writing, rehearsing, etc. related to academic program)
- Number of assigned textbooks, books, or book-length packs of course readings

- Number of written papers or reports of 20 pages or more; number of written papers or reports of between 5 and 19 pages; and number of written papers or reports of fewer than 5 pages
- Coursework emphasizing analysis of the basic elements of an idea, experience or theory
- Coursework emphasizing synthesis and organizing of ideas, information, or experiences into new, more complex interpretations and relationships
- Coursework emphasizing the making of judgments about the value of information or arguments
- Coursework emphasizing application of theories or concepts to practical problems or in new situations
- Working harder than you thought you could to meet an instructor's standards or expectations
- Campus environment emphasizing time studying and on academic work

FHSU Mean (unadjusted)	FHSU n	FHSU Mean (adjusted)	Peer Mean (adjusted)	NSSE Mean (adjusted)
58.6	433	58.5	56.2	58.4

Major Department		n	Mean	Std Dev	Minimum	Maximum
COAS	101 Art	14	51.81	11.21	37.77	75.37
	104 Chemistry	3	68.57	21.91	49.35	92.42
	117 Communication Studies	4	57.06	6.99	50.00	64.29
	107 English	5	64.92	16.46	35.93	74.72
	120 General Studies	96	59.26	13.25	21.46	87.88
	105 Geosciences	1	33.69	-	33.69	33.69
	109 History	2	67.05	6.20	62.66	71.43
	121 Justice Studies	14	59.41	11.10	32.72	75.87
	122 Leadership Studies	28	57.48	14.68	23.71	82.47
	110 Mathematics and Computer Science	6	55.81	20.44	30.71	84.31
	108 Modern Languages	-	-	-	-	-
	111 Music	3	54.62	15.51	40.48	71.21
	112 Philosophy	-	-	-	-	-
	113 Physics	3	55.17	6.77	50.32	62.90
	114 Political Science	10	62.81	14.87	28.35	78.25
	115 Psychology	17	59.45	17.86	32.36	85.61
	116 Sociology and Social Work	28	65.68	11.12	44.44	85.61
COB	403 Economics and Finance	18	53.43	12.95	29.33	80.74
	407 Informatics	28	59.64	13.90	32.05	85.71

	401 Management and Marketing	40	58.88	12.04	34.74	82.48
COET	235 Teacher Education	42	57.36	10.72	27.60	76.73
	233 Technology Studies	2	40.92	2.28	39.31	42.53
CHLS	300 Agriculture	13	52.53	14.11	27.74	81.93
	305 Allied Health	10	52.06	13.23	33.12	68.07
	302 Biological Sciences	6	61.98	16.50	33.12	78.90
	317 Communication Disorders	6	64.74	13.66	44.59	79.76
	331 Health and Human Performance	13	52.58	12.84	36.15	80.74
	340 Nursing	21	63.32	15.84	31.18	85.41

Analysis 2.2: Active and Collaborative Learning. This analysis explored the difference between senior students of different major departments. Students learn more when they are intensely involved in their education and asked to think about what they are learning in different settings. Collaborating with others in solving problems or mastering difficult material prepares students for the messy, unscripted problems they will encounter daily during and after college. This index includes the following items:

- Asked questions in class or contributed to class discussions
- Made a class presentation
- Worked with other students on projects during class
- Worked with classmates outside of class to prepare class assignments
- Tutored or taught other students
- Participated in a community-based project as part of a regular course
- Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)

FHSU Mean (unadjusted)	FHSU n	FHSU Mean (adjusted)	Peer Mean (adjusted)	NSSE Mean (adjusted)
45.6	449	45.1	51.0	52.1

Major Department		n	Mean	Std Dev	Minimum	Maximum
COAS	101 Art	15	46.86	17.31	9.52	71.43
	104 Chemistry	3	52.38	.00	52.38	52.38
	117 Communication Studies	5	71.59	12.15	57.14	85.71
	107 English	6	54.76	18.50	33.33	80.95
	120 General Studies	98	36.38	19.52	.00	95.24
	105 Geosciences	1	23.81	-	23.81	23.81
	109 History	3	60.32	5.50	57.14	66.67
	121 Justice Studies	14	36.39	13.93	19.05	61.90

	122 Leadership Studies	29	50.60	21.41	19.05	100.00
	110 Mathematics and Computer Science	6	58.73	28.99	4.76	80.95
	108 Modern Languages	-	-	-	-	-
	111 Music	3	52.65	12.15	38.89	61.90
	112 Philosophy	-	-	-	-	-
	113 Physics	3	60.32	24.44	33.33	80.95
	114 Political Science	10	43.81	13.62	9.52	57.14
	115 Psychology	18	50.77	20.33	.00	90.48
	116 Sociology and Social Work	28	48.13	23.94	.00	100.00
COBE	403 Economics and Finance	19	54.09	17.68	9.52	76.19
	407 Informatics	29	42.24	17.72	14.29	76.19
	401 Management and Marketing	41	44.30	17.77	4.76	91.67
COET	235 Teacher Education	42	44.88	22.40	.00	100.00
	233 Technology Studies	3	54.76	25.75	33.33	83.33
CHLS	300 Agriculture	13	49.08	15.72	33.33	80.95
	305 Allied Health	11	44.70	18.19	23.81	80.95
	302 Biological Sciences	7	49.83	28.74	4.76	90.48
	317 Communication Disorders	6	61.90	17.30	42.86	90.48
	331 Health and Human Performance	13	54.95	19.21	28.57	95.24
	340 Nursing	23	47.58	24.00	11.11	100.00

Analysis 2.3: Student-Faculty Interaction. This analysis explored the difference between senior students of different major departments. Students learn firsthand how experts think about and solve practical problems by interacting with faculty members inside and outside the classroom. As a result, their teachers become role models, mentors, and guides for continuous, life-long learning. This index includes the following items:

- Discussed grades or assignments with an instructor
- Talked about career plans with a faculty member or advisor
- Discussed ideas from your readings or classes with faculty members outside of class
- Worked with faculty members on activities other than coursework (committees, orientation, student-life activities, etc.)
- Received prompt written or oral feedback from faculty on your academic performance
- Worked with a faculty member on a research project outside of course or program requirements

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FHSU Mean (unadjusted)	FHSU n	FHSU Mean (adjusted)	Peer Mean (adjusted)	NSSE Mean (adjusted)
44.8	435	38.6	43.3	42.9

Major Department		n	Mean	Std Dev	Minimum	Maximum
COAS	101 Art	14	45.24	17.58	20.00	73.33
	104 Chemistry	3	55.56	20.37	33.33	73.33
	117 Communication Studies	5	62.67	22.41	40.00	100.00
	107 English	5	65.33	14.45	46.67	86.67
	120 General Studies	96	38.35	20.08	.00	100.00
	105 Geosciences	1	33.33	-	33.33	33.33
	109 History	2	56.67	4.71	53.33	60.00
	121 Justice Studies	14	45.24	18.19	20.00	86.67
	122 Leadership Studies	28	41.19	20.05	13.33	100.00
	110 Mathematics and Computer Science	6	58.89	23.63	26.67	86.67
	108 Modern Languages	-	-	-	-	-
	111 Music	3	62.22	20.37	40.00	80.00
	112 Philosophy	-	-	-	-	-
	113 Physics	3	51.11	34.21	13.33	80.00
	114 Political Science	10	51.33	19.64	13.33	80.00
	115 Psychology	17	52.94	24.09	13.33	93.33
	116 Sociology and Social Work	28	47.38	23.05	13.33	100.00
COBE	403 Economics and Finance	18	48.15	22.70	20.00	93.33
	407 Informatics	28	46.67	25.98	13.33	100.00
	401 Management and Marketing	40	40.46	19.37	.00	86.67
COET	235 Teacher Education	42	39.37	19.41	.00	93.33
	233 Technology Studies	2	40.00	18.86	26.67	53.33
CHLS	300 Agriculture	13	40.00	18.05	13.33	66.67
	305 Allied Health	10	55.00	27.27	26.67	100.00
	302 Biological Sciences	6	60.00	24.22	33.33	100.00
	317 Communication Disorders	6	57.78	28.49	13.33	100.00
	331 Health and Human Performance	13	52.82	27.28	13.33	93.33
	340 Nursing	22	45.51	22.48	6.67	100.00

Analysis 2.4: Enriching Educational Experiences. This analysis explored the difference between senior students of different major departments. Complementary learning opportunities enhance academic programs. Diversity experiences teach students valuable things about themselves and others. Technology facilitates collaboration between peers and instructors. Internships, community service, and senior capstone courses provide opportunities to integrate and apply knowledge. This index includes the following items:

- Participating in co-curricular activities (organizations, publications, student government, sports)
- Practicum, internship, field experience, co-op experience, or clinical assignment
- Community service or volunteer work
- Foreign language coursework & study abroad
- Independent study or self-designed major
- Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.)
- Serious conversations with students of different religious beliefs, political opinions, or personal values
- Serious conversations with students of a different race or ethnicity
- Using electronic technology to discuss or complete an assignment
- Campus environment encouraging contact among students from different economic, social, and racial or ethnic backgrounds
- Participate in a learning community or some other formal program where groups of students take two or more classes together

FHSU Mean (unadjusted)	FHSU n	FHSU Mean (adjusted)	Peer Mean (adjusted)	NSSE Mean (adjusted)
34.3	427	34.0	40.7	40.4

Major Department		n	Mean	Std Dev	Minimum	Maximum
COAS	101 Art	13	41.30	19.44	11.11	73.02
	104 Chemistry	3	49.87	2.19	48.41	52.38
	117 Communication Studies	4	58.45	8.67	48.41	67.53
	107 English	5	51.43	21.70	16.67	70.24
	120 General Studies	95	30.04	14.22	.00	67.53
	105 Geosciences	1	16.67	-	16.67	16.67
	109 History	2	48.61	17.68	36.11	61.11
	121 Justice Studies	14	31.41	11.96	11.11	52.78
	122 Leadership Studies	28	40.20	17.39	8.33	84.52
	110 Mathematics and Computer Science	5	42.94	28.72	16.27	75.00
	108 Modern Languages	-	-	-	-	-

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	111 Music	3	43.65	21.35	26.19	67.46
	112 Philosophy	-	-	-	-	-
	113 Physics	3	21.30	5.78	16.67	27.78
	114 Political Science	10	48.69	19.19	2.78	73.41
	115 Psychology	17	33.66	15.39	8.33	60.71
	116 Sociology and Social Work	27	37.50	16.71	8.33	75.79
COBE	403 Economics and Finance	18	30.21	14.74	5.56	61.11
	407 Informatics	27	33.82	13.42	8.33	58.33
	401 Management and Marketing	40	28.10	14.48	2.78	63.49
COET	235 Teacher Education	42	33.50	14.15	5.56	59.52
	233 Technology Studies	2	31.94	1.96	30.56	33.33
CHLS	300 Agriculture	13	31.13	9.12	15.08	44.05
	305 Allied Health	9	28.66	13.64	8.33	52.78
	302 Biological Sciences	6	45.83	16.86	30.56	67.86
	317 Communication Disorders	6	47.63	23.32	10.71	72.29
	331 Health and Human Performance	13	31.04	15.10	10.71	65.08
	340 Nursing	21	37.76	21.72	.00	77.38

Analysis 2.5: Supportive Campus Environment. This analysis explored the difference between senior students. Students perform better and are more satisfied at colleges that are committed to their success and cultivate positive working and social relations among different groups on campus. This index includes the following items:

- Campus environment provides the support you need to help you succeed academically
- Campus environment helps you cope with your non-academic responsibilities (work, family, etc.)
- Campus environment provides the support you need to thrive socially
- Quality of relationships with other students
- Quality of relationships with faculty members
- Quality of relationships with administrative personnel and offices

FHSU Mean (unadjusted)	FHSU n	FHSU Mean (adjusted)	Peer Mean (adjusted)	NSSE Mean (adjusted)
62.0	423	61.9	59.3	60.5

Major Department		n	Mean	Std Dev	Minimum	Maximum
COAS	101 Art	13	59.62	16.14	33.33	86.11
	104 Chemistry	3	76.85	18.50	55.56	88.89

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	117 Communication Studies	3	72.22	7.35	63.89	77.78
	107 English	5	58.33	12.11	44.44	72.22
	120 General Studies	93	60.52	18.67	13.89	97.22
	105 Geosciences	1	72.22	-	72.22	72.22
	109 History	2	65.28	1.96	63.89	66.67
	121 Justice Studies	14	62.70	12.74	36.11	83.33
	122 Leadership Studies	27	61.50	19.32	30.00	100.00
	110 Mathematics and Computer Science	5	67.78	10.69	50.00	77.78
	108 Modern Languages	-	-	-	-	-
	111 Music	3	79.63	3.21	77.78	83.33
	112 Philosophy	-	-	-	-	-
	113 Physics	3	46.30	24.90	30.56	75.00
	114 Political Science	10	67.17	23.88	27.78	97.22
	115 Psychology	17	66.41	22.61	5.56	100.00
	116 Sociology and Social Work	27	63.79	13.71	27.78	94.44
COBE	403 Economics and Finance	18	56.48	21.52	11.11	91.67
	407 Informatics	28	66.27	19.70	25.00	100.00
	401 Management and Marketing	40	58.33	20.09	19.44	100.00
COET	235 Teacher Education	42	57.25	17.17	19.44	100.00
	233 Technology Studies	2	75.00	19.64	61.11	88.89
CHLS	300 Agriculture	12	57.18	15.51	27.78	75.00
	305 Allied Health	9	71.30	21.20	38.89	100.00
	302 Biological Sciences	6	82.87	16.24	55.56	100.00
	317 Communication Disorders	6	64.35	12.99	47.22	80.00
	331 Health and Human Performance	13	71.58	12.79	47.22	88.89
	340 Nursing	21	56.22	27.57	13.89	100.00