

East Carolina University

Multi-Year Benchmark Report August 2012



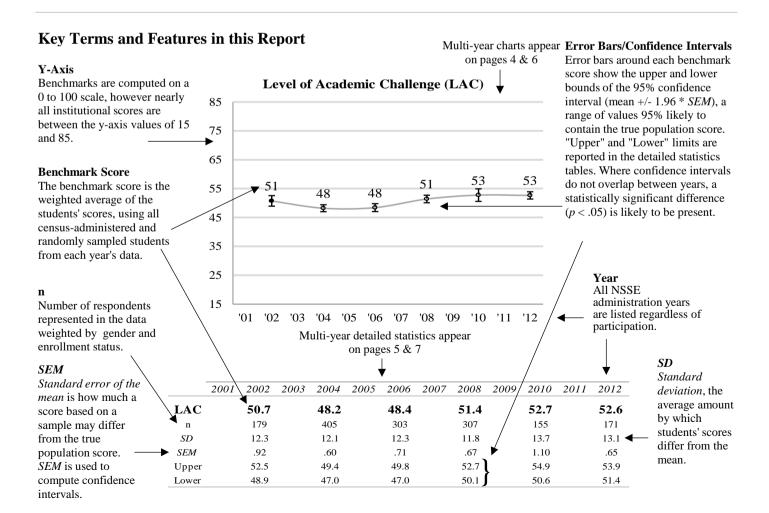
Interpreting the Multi-Year Benchmark Report

For institutions that have participated in multiple NSSE administrations, this *Multi-Year Benchmark Report* presents recalculated and comparable benchmark scores by year so that patterns of change or stability are discernible. It also provides statistics such as *number of respondents*, *standard deviation*, and *standard error* so that shorthand mean comparison tests can be calculated. This report is necessary because improvements and modifications have been made over time, complicating multi-year analysis of NSSE data. Specifically, the following issues are relevant:

- Response options for question 7 (Done, Plan to do, etc.) were changed in 2004, making current results on these items incompatible with those of 2003 and earlier. Therefore, it is not possible to compare the 2004-2012 Enriching Educational Experiences benchmark with prior years (2001-2003). Also, an alternate version of the Student-Faculty Interaction benchmark labeled 'SFC' removes the 'research with faculty' item, allowing this revised version to be compared with prior years (2001-2003).
- In 2004 NSSE changed the way benchmarks were calculated, requiring that benchmarks prior to 2004 be recalculated to more accurately compare institutional performance across years.
- Scores from NSSE 2000 are not included because several significant changes were made to the survey instrument and benchmarks beginning in 2001, making year-to-year comparisons unsuitable.
- The samples used to develop institutional estimates have been refined in recent years, making direct comparisons of reported benchmarks over the years potentially less stable.

This report has three main parts: (a) a table of *data quality indicators* (p. 3), which provides a quick reference to important statistics for each year's administration, (b) *multi-year charts*, and (c) *detailed statistics*. Key terms and features of (b) and (c) are illustrated below.

For more information and recommendations for analyzing NSSE data over time, consult the *Multi-Year Data Analysis Guide* on the NSSE Web site. nsse.iub.edu/pdf/MYDAG.pdf



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NSSE 2012 Multi-Year Benchmark Report Data Quality Indicators

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An important early step in conducting a multi-year analysis is to review the quality of your data in each year for both first-year and senior respondents. The precision of an institution's population estimates can vary from one year to the next. The values in this table were drawn from the *Respondent Characteristics* reports from each NSSE administration.

Data Quality Indicators for Each NSSE Participation Year

		Respo	onse	Samp	ling	Number of Respondents ^e		
Year ^a	$\mathbf{Mode}^{\mathrm{b}}$	Rat	te ^c	Erro	\mathbf{or}^{d}			
		FY	SR	FY	SR	FY	SR	
2001	Paper	419	%	8.5%	8.2%	127	133	
2002								
2003								
2004	Web-only	32%	31%	4.5%	5.2%	427	302	
2005	Web-only	31%	37%	3.7%	3.3%	627	710	
2006	Web-only	43%	44%	3.2%	2.5%	752	1028	
2007								
2008	Web+	22%	26%	4.4%	3.9%	429	522	
2009	Web-only	32%	34%	2.8%	2.5%	960	1021	
2010								
2011								
2012	Web-only	16%	16%	3.9%	3.7%	532	598	

^a All NSSE administration years since 2001 are listed regardless of participation.

^b Modes include *Paper* (students receive a paper survey, with an option of completing a Web version), *Web-only* (students receive all correspondence by e-mail and complete the Web version), and *Web+* (students initially invited to participate via email; a subgroup of nonrespondents receive paper surveys).

^c Response rates (number of respondents divided by sample size) adjusted for ineligibility, nondeliverable addresses, and students who were unavailable during the survey administration. Before 2003, response rates were not calculated separately by class so overall response rates are reported.

^d Sampling error gauges the precision of results based on a sample survey. It is an estimate of how much survey item percentages for your respondents could differ from those of the entire population of students at your institution. Data with larger sampling errors (such as +/-10%) need not be dismissed out of hand, but any results using them should be interpreted more conservatively.

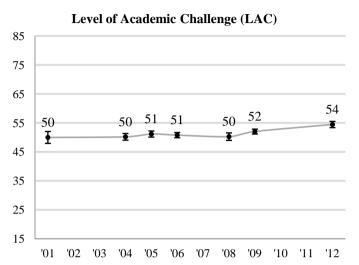
^e This is the original count used to calculate response rates and sampling errors for each administration's *Respondent Characteristics* report. This number includes all census-administered and randomly sampled students. From 2001 to 2005 it may also include targeted oversamples. For this reason, the counts for 2001 to 2005 may not match those given in the detailed statistics on pages 5 and 7.

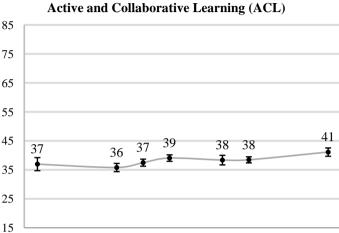


NSSE 2012 Multi-Year Benchmark Report Multi-Year Charts^a

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First-Year Students

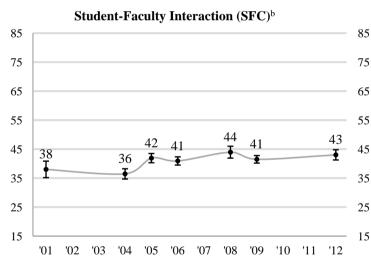


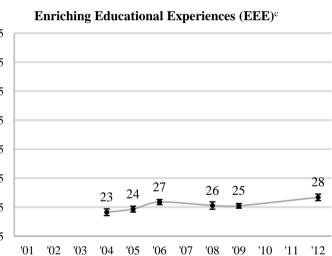


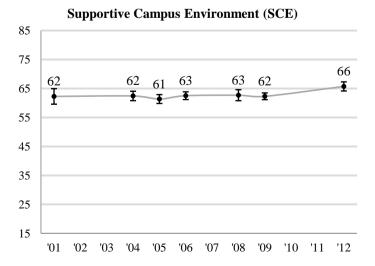
'06 '07

'08 '09 '10

'11 '12







Notes:

'01 '02

'03

'04

'05

- a. Recalculated benchmark scores are charted for all years of participation since 2001. See page 5 for detailed statistics. For more information and recommendations for analyzing multiyear NSSE data, consult the *Multi-Year Data Analysis Guide*. nsse.iub.edu/pdf/MYDAG.pdf
- For institutions with 2001-2003 data, due to a change to the 'research with faculty' item in 2004, 'SFC' (a version of 'SFI' that does not include that item) is charted on this page.
 Statistics for both versions are provided on page 5.
- c. 2001-2003 'EEE' scores are not provided because response options for several 'EEE' items were altered in 2004, and thus scores are incompatible with those of later years.



NSSE 2012 Multi-Year Benchmark Report Detailed Statistics^a

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First-	Vear	Stud	ents

							T, 11	st-1ea	Stude	1115			
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Level of	LAC	50.0			50.2	51.2	50.8		50.3	52.0			54.4
Academic	n	128			393	549	705		391	897			493
Challenge	SD	11.8			11.5	12.6	12.1		13.0	12.8			12.1
	SEM	1.04			.58	.54	.46		.66	.43			.55
	Upper	52.0			51.3	52.2	51.7		51.5	52.9			55.5
	Lower	47.9			49.0	50.1	49.9		49.0	51.2			53.4
Active and	ACL	37.0			35.8	37.5	39.1		38.4	38.5			41.1
Collaborative	n	130			393	611	752		423	959			531
Learning	SD	13.1			14.4	15.3	15.6		17.3	16.6			16.8
	SEM	1.15			.72	.62	.57		.84	.53			.73
	Upper	39.2			37.2	38.7	40.2		40.0	39.5			42.6
	Lower	34.7			34.4	36.3	38.0		36.7	37.4			39.7
Student-	SFC	38.0			36.5	41.9	40.9		44.0	41.5			43.0
Faculty	n	130			393	565	721		404	912			502
Interaction ^b	SD	16.6			17.9	19.4	19.4		21.0	20.0			20.1
interaction	SEM	1.46			.90	.82	.72		1.05	.66			.90
	Upper	40.9			38.2	43.5	42.3		46.0	42.8			44.8
	Lower	35.2			34.7	40.3	39.5		41.9	40.2			41.3
	SFI	-			30.9	36.3	35.5		37.7	36.1			37.1
	n	-			393	556	713		392	901			493
	SD	-			15.3	17.4	17.3		18.9	18.2			18.0
	SEM	-			.77	.74	.65		.96	.61			.81
	Upper	-			32.4	37.8	36.8		39.6	37.3			38.7
	Lower	-			29.4	34.9	34.2		35.8	34.9			35.5
Enriching	EEE	-			23.2	24.3	26.7		25.6	25.4			28.4
Educational	n	-			393	529	676		376	884			487
Experiences ^c	SD	-			11.6	11.8	11.7		12.7	12.1			12.7
Laperiences	SEM	-			.59	.52	.45		.65	.41			.58
	Upper	-			24.4	25.3	27.6		26.8	26.2			29.5
	Lower	-			22.1	23.3	25.9		24.3	24.6			27.2
Supportive	SCE	62.3			62.4	61.4	62.5		62.7	62.3			65.7
Campus	n	129			392	519	661		373	863			483
Environment	SD	15.5			16.4	17.8	17.4		18.7	17.4			17.6
	SEM	1.37			.83	.78	.68		.97	.59			.80
	Upper	65.0			64.1	62.9	63.9		64.6	63.5			67.3
	Lower	59.6			60.8	59.8	61.2		60.8	61.2			64.2

^a n=number of respondents; *SD* = standard deviation; *SEM* = standard error of the mean; Upper/Lower=95% confidence interval limits

IPEDS: 198464

^b Due to a change to the 'research with faculty' item in 2004, statistics for 'SFC' (the alternate version of Student-Faculty Interaction that does not include that item) are reported for all years, and 'SFI' is reported beginning with 2004.

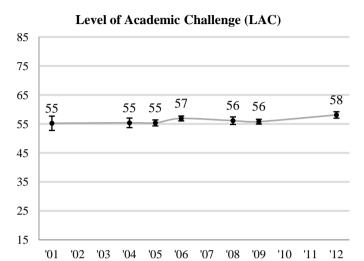
^c 2001-2003 'EEE' scores are not provided because they are not comparable with those of later years. This is because response options for several of 'EEE' items were substantially altered in 2004.

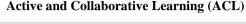


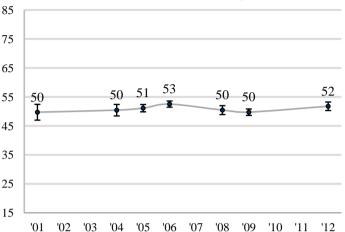
NSSE 2012 Multi-Year Benchmark Report Multi-Year Charts^a

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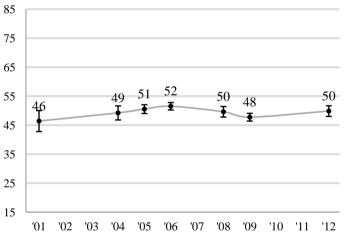
Seniors



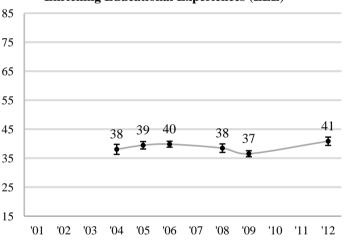




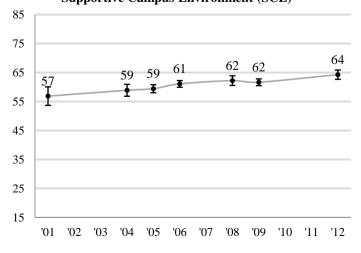




Enriching Educational Experiences (EEE)^c



Supportive Campus Environment (SCE)



Notes:

- a. Recalculated benchmark scores are charted for all years of participation since 2001. See page 7 for detailed statistics. For more information and recommendations for analyzing multi-year NSSE data, consult the *Multi-Year Data Analysis Guide*. nsse.iub.edu/pdf/MYDAG.pdf
- b. For institutions with 2001-2003 data, due to a change to the 'research with faculty' item in 2004, 'SFC' (a version of 'SFI' that does not include that item) is charted on this page. Statistics for both versions are provided on page 7.
- c. 2001-2003 'EEE' scores are not provided because response options for several 'EEE' items were altered in 2004, and thus scores are incompatible with those of later years.



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	Seniors												
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Level of	LAC	55.2			55.4	55.4	56.9		56.1	55.8			58.1
Academic	n	136			290	683	990		502	994			571
Challenge	SD	14.7			14.3	13.7	13.6		14.9	13.4			13.5
	SEM	1.26			.84	.53	.43		.66	.42			.57
	Upper	57.7			57.0	56.4	57.7		57.4	56.6			59.2
	Lower	52.8			53.7	54.3	56.0		54.8	55.0			57.0
Active and	ACL	49.7			50.4	51.1	52.5		50.5	49.7			51.8
Collaborative	n	136			290	710	1028		516	1018			597
Learning	SD	16.2			17.2	17.1	17.4		17.8	18.1			18.3
8	SEM	1.39			1.01	.64	.54		.79	.57			.75
	Upper	52.4			52.4	52.4	53.6		52.0	50.8			53.3
	Lower	47.0			48.5	49.9	51.5		48.9	48.6			50.3
Student-	SFC	46.4			49.2	50.6	51.5		49.6	47.8			49.9
Faculty	n	136			290	688	998		506	1005			581
Interaction ^b	SD	21.6			21.1	20.2	20.7		20.9	21.6			22.5
inici action	SEM	1.85			1.24	.77	.66		.93	.68			.94
	Upper	50.1			51.7	52.1	52.8		51.4	49.1			51.7
	Lower	42.8			46.8	49.0	50.3		47.8	46.4			48.0
	SFI	-			44.0	45.4	46.0		44.4	42.2			45.1
	n	-			290	683	996		503	995			575
	SD	-			20.4	19.9	20.0		20.1	20.4			21.4
	SEM	-			1.20	.76	.63		.89	.65			.89
	Upper	-			46.3	46.9	47.2		46.2	43.5			46.8
	Lower	-			41.7	43.9	44.8		42.7	41.0			43.3
Enriching	EEE	-			38.0	39.5	39.8		38.5	36.5			40.8
Educational	n	-			290	674	973		491	967			563
Experiences ^c	SD	-			15.1	17.0	16.3		16.6	16.3			17.3
Experiences	SEM	-			.88	.65	.52		.75	.53			.73
	Upper	-			39.8	40.7	40.8		39.9	37.6			42.3
	Lower	-			36.3	38.2	38.8		37.0	35.5			39.4
Supportive	SCE	56.9			58.9	59.4	61.1		62.2	61.6			64.3
Campus	n	136			289	668	960		490	955			552
Environment	SD	19.0			17.9	18.2	18.4		18.7	18.3			19.2
	SEM	1.63			1.05	.71	.59		.85	.59			.82
	Upper	60.1			60.9	60.8	62.2		63.9	62.8			65.9
	Lower	53.7			56.8	58.0	59.9		60.6	60.5			62.7

^a n=number of respondents; *SD* =standard deviation; *SEM* =standard error of the mean; Upper/Lower=95% confidence interval limits

IPEDS: 198464

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