

University of Maryland, Baltimore County

Multi-Year Benchmark Report August 2012



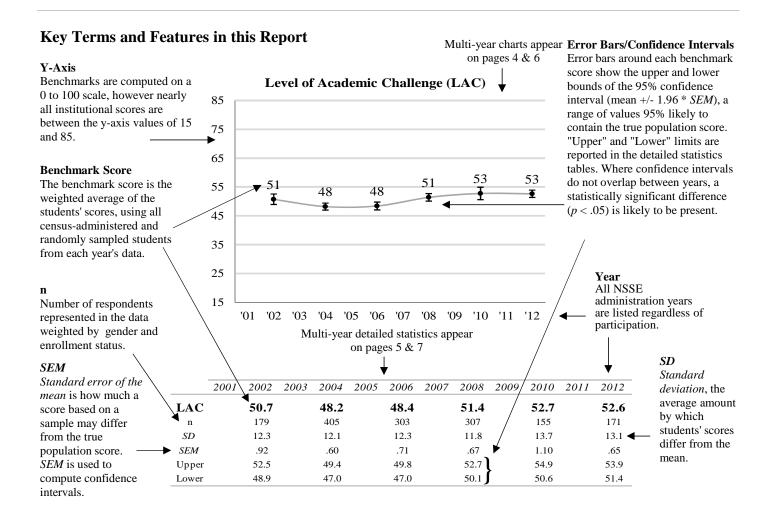
Interpreting the Multi-Year Benchmark Report

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





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

Year ^a		Respo	onse	Samp		Number of Respondents ^e		
	Mode ^b	Ra	te ^c	Err	\mathbf{or}^{d}			
		FY	SR	FY	SR	FY	SR	
2001	Web	399	%	5.5%	5.3%	254	255	
2002								
2003								
2004	Web-only	41%	36%	3.2%	4.3%	540	328	
2005	Web-only	36%	41%	3.7%	3.8%	453	390	
2006								
2007								
2008	Web-only	27%	28%	4.3%	3.8%	386	497	
2009	Web-only	33%	39%	3.6%	3.0%	497	670	
2010								
2011								
2012	Web-only	24%	32%	4.5%	2.9%	360	787	

^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.

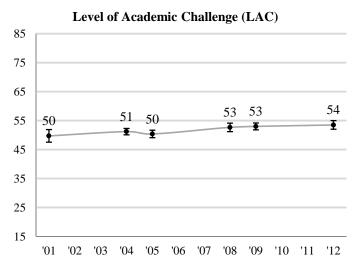
^e This is the original count used to calculate response rates and sampling errors for each administration's *Respondent Characteristics* report. This number includes all census-administered and randomly sampled students. From 2001 to 2005 it may also include targeted oversamples. For this reason, the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

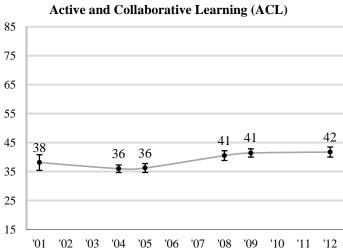


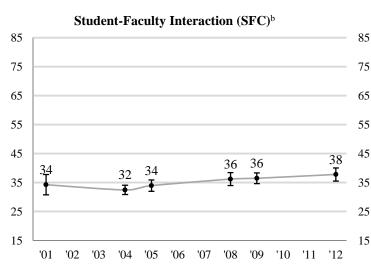
NSSE 2012 Multi-Year Benchmark Report Multi-Year Charts^a

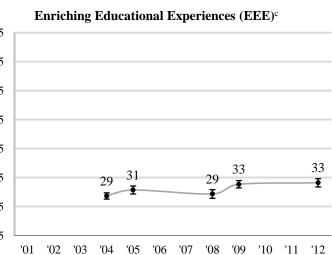
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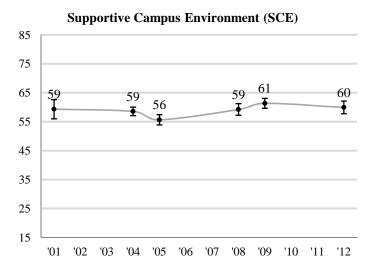
First-Year Students











Notes:

- 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.



Experiences^c

Supportive

Environment

Campus

n SD

SEM

Upper

Lower

SCE

n

SD

SEM

Upper

Lower

59.3

126

19.1

1.70

62.6

56.0

NSSE 2012 Multi-Year Benchmark Report **Detailed Statistics**^a

University of Maryland, Baltimore County

First-Year Students

14.1

.77

30.8

27.8

59.2

333

18.9

1.04

61.2

57.2

13.9

.65

34.0

31.4

61.3

451

18.6

.88

63.1

59.6

		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Level of	LAC	49.7			51.2	50.4			52.7	53.0			53.5
Academic	n	126			514	420			346	465			320
Challenge	SD	12.5			12.7	13.6			14.1	12.9			13.7
o	SEM	1.12			.56	.66			.76	.60			.76
	Upper	51.9			52.3	51.7			54.2	54.2			55.0
	Lower	47.5			50.1	49.1			51.2	51.8			52.0
Active and	ACL	38.1			36.0	36.2			40.5	41.4			41.7
Collaborative	n	126			516	452			370	497			360
Learning	SD	15.5			15.1	16.9			16.6	16.3			16.8
8	SEM	1.38			.66	.80			.86	.73			.88
	Upper	40.8			37.3	37.8			42.2	42.8			43.5
	Lower	35.4			34.7	34.7			38.8	40.0			40.0
Student-	SFC	34.3			32.5	33.9			36.2	36.5			37.8
Faculty	n	126			514	430			353	471			336
Interaction ^b	SD	20.2			18.6	20.9			21.5	20.3			21.3
interaction	SEM	1.80			.82	1.01			1.14	.94			1.16
	Upper	37.8			34.1	35.9			38.4	38.3			40.1
	Lower	30.7			30.9	32.0			33.9	34.6			35.5
	SFI	-			27.6	28.9			31.0	31.5			32.5
	n	-			514	421			345	466			326
	SD	-			16.2	18.4			18.6	18.6			19.0
	SEM	-			.72	.89			1.00	.86			1.05
	Upper	-			29.0	30.7			33.0	33.2			34.6
	Lower	-			26.2	27.1			29.0	29.8			30.5
Enriching	EEE	-			28.6	30.7			29.3	32.7			33.2
Educational	n	-			514	411			337	455			316

12.4

.55

29.7

27.6

58.6

514

16.8

.74

60.0

14.5

.71

32.1

29.3

55.6

400

18.0

.90

57.4

53.9

IPEDS: 163268

13.0

.73

34.6

31.8 59.9

308

19.4

1.11

62.1

57.8

^{57.1} ^a n=number of respondents; SD =standard deviation; SEM =standard error of the mean; Upper/Lower=95% confidence interval limits

^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.

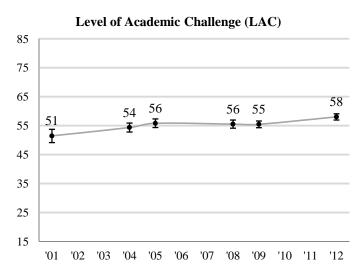
^c 2001-2003 'EEE' scores are not provided because they are not comparable with those of later years. This is because response options for several of 'EEE' items were substantially altered in 2004.



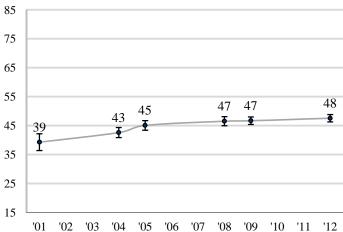
NSSE 2012 Multi-Year Benchmark Report Multi-Year Charts^a

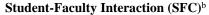
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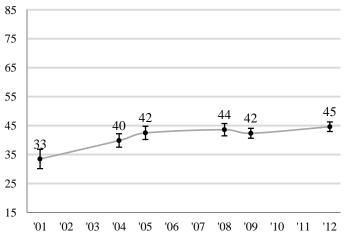
Seniors



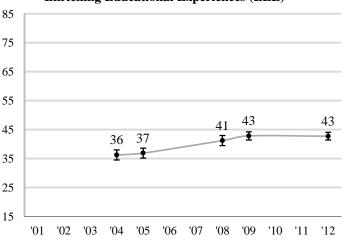
Active and Collaborative Learning (ACL)



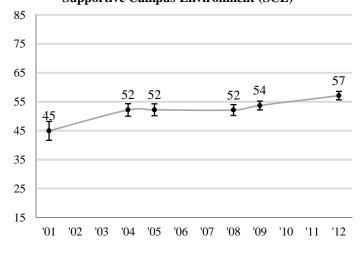




Enriching Educational Experiences (EEE)^c



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.



NSSE 2012 Multi-Year Benchmark Report Detailed Statistics^a

University of Maryland, Baltimore County

	Seniors												
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Level of	LAC	51.5			54.4	55.8			55.5	55.5			58.0
Academic	n	140			316	363			460	636			733
Challenge	SD	13.8			14.0	14.3			15.3	14.8			14.7
-	SEM	1.17			.79	.75			.72	.59			.54
	Upper	53.8			55.9	57.3			56.9	56.6			59.1
	Lower	49.2			52.8	54.4			54.1	54.3			57.0
Active and	ACL	39.3			42.6	45.1			46.5	46.7			47.6
Collaborative	n	140			316	390			487	667			784
Learning	SD	17.5			15.7	16.7			17.8	17.1			18.1
8	SEM	1.48			.88	.85			.81	.66			.65
	Upper	42.2			44.3	46.7			48.1	48.0			48.8
	Lower	36.4			40.9	43.4			44.9	45.4			46.3
Student-	SFC	33.5			39.9	42.5			43.6	42.3			44.6
Faculty	n	140			316	375			466	645			753
Interaction ^b	SD	20.2			21.0	22.7			23.3	22.1			23.2
interaction	SEM	1.70			1.18	1.17			1.08	.87			.84
	Upper	36.8			42.2	44.8			45.7	44.0			46.3
	Lower	30.1			37.5	40.2			41.5	40.6			43.0
	SFI	-			35.5	38.0			40.3	39.6			41.4
	n	-			316	367			464	639			738
	SD	-			19.6	21.4			22.6	21.9			22.2
	SEM	-			1.10	1.12			1.05	.87			.82
	Upper	-			37.7	40.2			42.4	41.3			43.0
	Lower	-			33.4	35.8			38.3	37.9			39.8
Enriching	EEE	-			36.3	36.9			41.2	42.9			42.7
Educational	n	-			316	357			457	632			724
Experiences ^c	SD	-			15.9	16.6			19.1	18.0			18.1
Experiences	SEM	-			.89	.88			.89	.72			.67
	Upper	-			38.0	38.6			43.0	44.3			44.1
	Lower	-			34.5	35.2			39.5	41.4			41.4
Supportive	SCE	44.9			52.2	52.2			52.1	53.7			57.1
Campus	n	140			315	353			454	628			701
Environment	SD	19.5			19.5	19.7			20.6	19.6			19.9
	SEM	1.65			1.10	1.05			.97	.78			.75
	Upper	48.2			54.3	54.3			54.0	55.2			58.6
	Lower	41.7			50.0	50.2			50.2	52.2			55.6

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

IPEDS: 163268

^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.