

CUNY New York City College of Technology

Multi-Year Benchmark Report August 2009



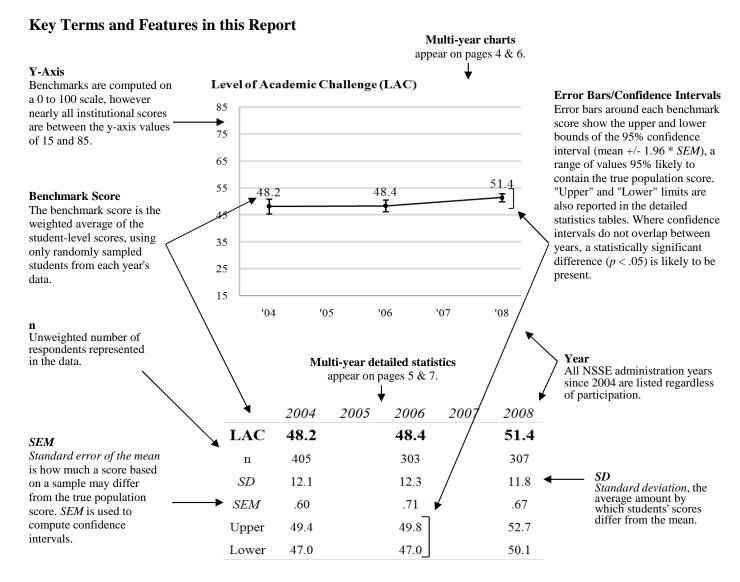
Interpreting the Multi-Year Benchmark Report

For institutions that have participated in multiple NSSE administrations, this *Multi-Year Benchmark Report* presents comparable benchmark scores by year so that patterns of change or stability may be discernible. It also provides statistics such as *number of respondents*, *standard deviation*, and *standard error* so that shorthand mean comparison tests can be calculated.

Questions that might be answered with this report include, "How stable was the level of student-faculty interaction over the years?" or "Given the implementation of initiative X three years ago, did the level of active and collaborative learning increase?"

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 participation, (b) *multi-year charts*, and (c) *detailed statistics*. Key terms and features of (b) and (c) are described below using data from the fictional "NSSEville State University."

For more information and recommendations for analyzing past and present NSSE data for trends or stability, consult the *Multi-Year Data Analysis Guide*: www.nsse.iub.edu/pdf/NSSE Multi-Year Data Analysis Guide.pdf.





NSSE 2009 Multi-Year Benchmark Report Data Quality Indicators

CUNY New York City College of Technology

Some NSSE administrations at an institution may yield more precise population estimates than others. The values in this table were drawn from the *Respondent Characteristics* reports for each NSSE administration. An important early step in conducting a multi-year analysis is to review the quality of your data for both first-year and senior respondents in each year.

Year ^a	$\mathbf{Mode}^{\mathbf{b}}$	Response Rate ^c		Sampling Error ^d		Number of Respondents ^e	
		FY	SR	FY	SR	FY	SR
2004	Paper	30%	39%	6.7%	4.9%	192	264
2005							
2006							
2007	Paper	30%	30%	12.7%	14.5%	53	43
2008							
2009	Web+	10%	22%	18.3%	9.4%	26	85

^a All NSSE administration years since 2004 are listed regardless of participation.

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

^c Response rates (number of respondents divided by sample size) were adjusted for ineligibility, nondeliverable mailing addresses, and students who were unavailable during the survey administration.

d Sampling error gauges the precision of estimates 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 randomly sampled students. In 2004 and 2005 it may also include targeted oversamples. For this reason, the counts for 2004 and 2005 may not match those given in the detailed statistics on pages 5 and 7.

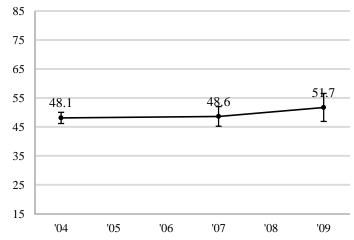


NSSE 2009 Multi-Year Benchmark Report Multi-Year Charts

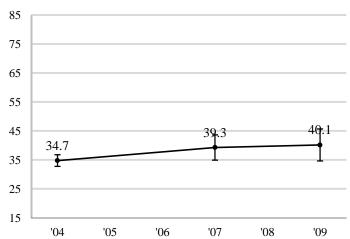
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First-Year Students

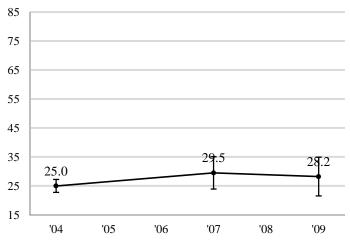
Level of Academic Challenge (LAC)



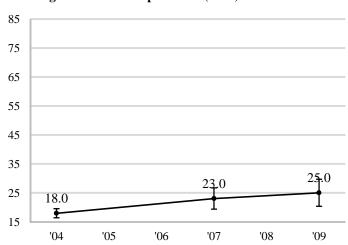
Active and Collaborative Learning (ACL)



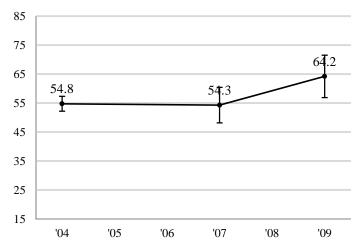
Student-Faculty Interaction (SFI)



Enriching Educational Experiences (EEE)



Supportive Campus Environment (SCE)



Notes:

- Benchmark scores are charted for all years of participation. See page 5 for detailed statistics.
- For more information and recommendations for analyzing multi-year NSSE data, consult the *Multi-Year Data Analysis Guide*: www.nsse.iub.edu/pdf/NSSE Multi-Year Data Analysis Guide.pdf.

National Survey of Student Engagement

NSSE 2009 Multi-Year Benchmark Report

Detailed Statistics a

CUNY New York City College of Technology

First-Year Students

	-	2001	2005	2006	2007	2000	2000
Level of	TAC	2004	2005	2006	2007	2008	2009
Level of Academic	LAC	48.1			48.6		51.7
Challenge	n	189			53		24
	SD	13.5			12.7		12.1
	SEM	.98			1.73		2.48
	Upper	50.0			52.0		56.6
	Lower	46.2			45.2		46.9
Active and	ACL	34.7			39.3		40.1
Collaborative	n	190			53		26
Learning	SD	14.2			16.2		14.4
	SEM	1.03			2.22		2.83
	Upper	36.8			43.6		45.7
	Lower	32.7			34.9		34.6
Student	SFI	25.0			29.5		28.2
Faculty	n	189			53		25
Interaction	SD	15.5			20.7		17.0
	SEM	1.13			2.84		3.41
	Upper	27.2			35.0		34.9
	Lower	22.8			23.9		21.5
Enriching	EEE	18.0			23.0		25.0
Educational Experiences	n	189			53		24
	SD	11.1			13.8		11.6
	SEM	.80			1.88		2.37
	Upper	19.5			26.7		29.7
	Lower	16.4			19.3		20.4
Supportive	SCE	54.8			54.3		64.2
Campus Environment	n	189			53		23
	SD	18.0			22.9		17.8
	SEM	1.31			3.13		3.73
	Upper	57.3			60.4		71.5
		52.2			48.1		56.9
	Lower	32.2			46.1		30.9

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

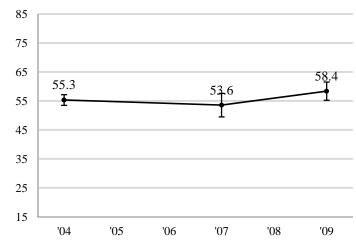


NSSE 2009 Multi-Year Benchmark Report Multi-Year Charts

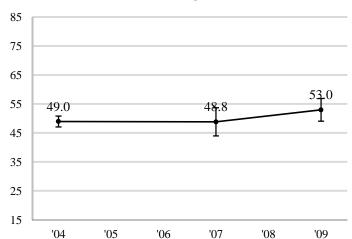
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Seniors

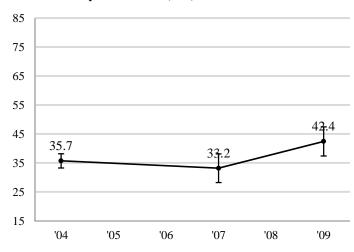
Level of Academic Challenge (LAC)



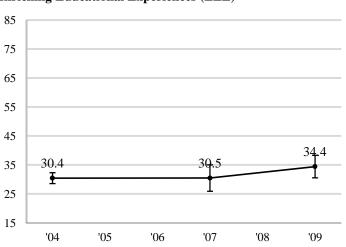
Active and Collaborative Learning (ACL)



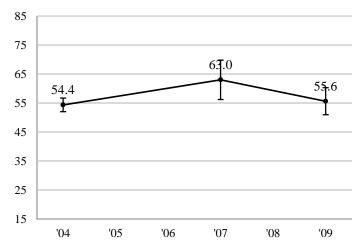
Student-Faculty Interaction (SFI)



Enriching Educational Experiences (EEE)



Supportive Campus Environment (SCE)



Notes:

- Benchmark scores are charted for all years of participation. See page 7 for detailed statistics.
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National Survey of Student Engagement

NSSE 2009 Multi-Year Benchmark Report

Detailed Statistics a

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		Seniors						
	_	2004	2005	2006	2007	2008	2009	
Level of	LAC	55.3			53.6		58.4	
Academic Challenge	n	256			43		82	
	SD	15.1			13.6		14.5	
	SEM	.94			2.07		1.60	
	Upper	57.2			57.6		61.5	
	Lower	53.5			49.5		55.2	
Active and	ACL	49.0			48.8		53.0	
Collaborative	n	259			43		85	
Learning	SD	15.4			16.3		18.4	
	SEM	.96			2.49		2.00	
	Upper	50.8			53.7		56.9	
	Lower	47.1			43.9		49.0	
Student	SFI	35.7			33.2		42.4	
Faculty	n	259			43		84	
Interaction	SD	20.2			16.5		23.5	
	SEM	1.26			2.52		2.56	
	Upper	38.2			38.1		47.4	
	Lower	33.3			28.2		37.4	
Enriching	EEE	30.4			30.5		34.4	
Educational	n	258			43		80	
Experiences	SD	15.2			15.3		17.8	
	SEM	.95			2.33		1.99	
	Upper	32.3			35.0		38.3	
	Lower	28.6			25.9		30.5	
Supportive	SCE	54.4			63.0		55.6	
Campus	n	256			43		78	
Environment	SD	19.1			22.8		21.0	
	SEM	1.20			3.47		2.39	
	Upper	56.7			69.8		60.3	
	Lower	52.0			56.2		51.0	

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