

CUNY New York City College of Technology

Benchmark Comparisons August 2012

NSSE national survey of student engagement

Interpreting the Benchmark Comparisons Report

To focus discussions about the importance of student engagement and to guide institutional improvement efforts, NSSE created five Benchmarks of Effective Educational Practice: Level of Academic Challenge, Active and Collaborative Learning, Student-Faculty Interaction, Enriching Educational Experiences, and Supportive Campus Environment. This Benchmark Comparisons Report compares the performance of your institution with your selected comparison groups. In addition, it provides comparisons with two sets of highly engaging institutions, those with benchmarks in the top 50% and top 10% of all NSSE institutions.

Each benchmark is an index of responses to several NSSE questions. Because NSSE questions have different response sets, each question's response set was rescaled from zero to 100, and students' rescaled responses were then averaged. Thus a benchmark score of zero would mean that every student chose the lowest response option for every item, and 100 would mean every student chose the highest response to every item. Although benchmarks are reported on a 0-100 scale, they are not percentages.

Benchmarks with mean differences that are larger than would be expected by

chance alone are noted with one, two, or three asterisks, denoting one of three

the smaller the likelihood that the difference is due to chance. Please note that

important. Large sample sizes (as with the NSSE project) tend to produce more

statistically significant results even though the magnitude of mean differences may

statistical significance does not guarantee that the result is substantive or

significance levels (p < .05, p < .01, and p < .001). The smaller the significance level,

Additional details regarding how benchmarks are created can be found on the NSSE Web site. nsse.iub.edu/links/institutional_reporting

Statistical Significance

Class and Sample

Means are reported for first-year students and seniors. Institutionreported class levels are used. All randomly selected or censusadministered students are included in these analyses. Students in targeted or locally administered oversamples are not included.

Mean

scores.

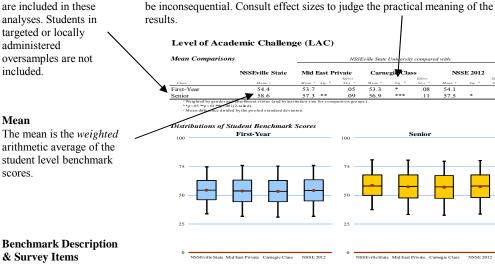
& Survey Items

provided.

A description of the

benchmark and the individual

items used in its creation is



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

Level of Academic Challenge (LAC) Items

zing the impo ours spent preparing for class (studying, reading, writing, doing homework or lab work, etc. related to acc umber of assigned textbooks, books, or book-length packs of course readings lemic program)

- Number of within papers or reports of 20 pages or more, between 5 and 19 pages, and Coursework emphasizes: **Analysis** of the basic elements of an idea, experience or the Coursework emphasizes: **Synthesis** and organizing of ideas, information, or experienc and relationships ory ces into new, more complex interpretations

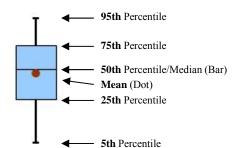


relationships insework emphasizes: **Making of judgments** about the value of information, arguments, or method-ursework emphasizes: **Applying** theories or concepts to practical problems or in new situations whing harder than you thought you could to meet an instructor's standards or expectations mpus environment emphasizes. Spending significant amount of time studying and on academic work



Box and Whiskers Key

A box and whiskers chart is a concise way to summarize the variation of student benchmark scores. This display compares the distribution of scores at your institution, in percentile terms, with that of your comparison groups. The ends of the whiskers show the 5th and 95th percentile scores, while the box is bounded by the 25th and 75th percentiles. The bar inside the box indicates the median score, and the dot shows the mean score.



Effect Size^a

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 the institution. A negative sign indicates the institution lags behind the comparison group, suggesting that the student behavior or institutional practice represented by the item may warrant attention.

Box and Whiskers Charts

A visual display of first-year and senior benchmark score dispersion for your institution and your selected comparison or consortium groups.



Level of Academic Challenge (LAC)

Mean Comparisons

CUNY New York City College of Technology compared with:

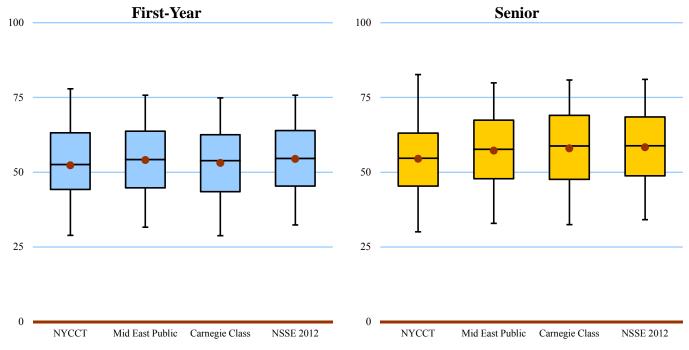
	NYCCT	Mid East P	Carn	egie Cla	SS	NSSE 2012			
			Effect		0	Effect			Effect
Class	Mean ^a	Mean ^a Sig ^b	Size c	Mean ^a	Sig ^b	Size c	Mean ^a	Sig ^b	Size c
First-Year	52.3	54.1	13	53.1		05	54.5		16
Senior	54.5	57.2 **	19	58.0	**	23	58.4	***	27

^a Weighted by gender and enrollment status (and by institution size for comparison groups)

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

^c Mean difference divided by the pooled standard deviation

Distributions of Student Benchmark Scores



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

Level of Academic Challenge (LAC) Items

Challenging intellectual and creative work is 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.

- Hours spent preparing for class (studying, reading, writing, doing homework or lab work, etc.)
- Number of assigned textbooks, books, or book-length packs of course readings
- Number of written papers or reports of 20 pages or more, between 5 and 19 pages, and fewer than 5 pages
- Coursework emphasizes: Analysis of the basic elements of an idea, experience or theory
- Coursework emphasizes: Synthesis and organizing of ideas, information, or experiences into new, more complex interpretations and relationships
- Coursework emphasizes: Making judgments about the value of information, arguments, or methods
- Coursework emphasizes: Applying 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 emphasizes: Spending significant amount of time studying and on academic work



Active and Collaborative Learning (ACL)

Mean Comparisons

CUNY New York City College of Technology compared with:

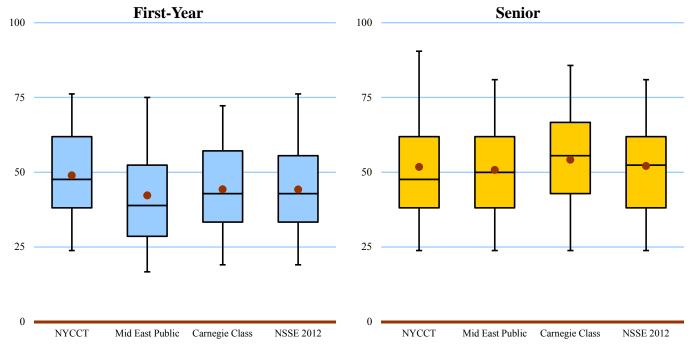
	NYCCT	Mid East Pı	Carnegie Class			NSSE 2012			
			Effect		0	Effect			Effect
Class	Mean ^a	Mean ^a Sig ^b	Size c	Mean ^a	Sig ^b	Size c	Mean ^a	Sig b	Size c
First-Year	48.9	42.2 ***	.38	44.3	*	.27	44.2	*	.27
Senior	51.8	50.7	.06	54.2		13	52.1		02

^a Weighted by gender and enrollment status (and by institution size for comparison groups)

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

^c Mean difference divided by the pooled standard deviation

Distributions of Student Benchmark Scores



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

Active and Collaborative Learning (ACL) Items

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.

- · 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 (paid or voluntary)
- Participated in a community-based project (e.g., service learning) as part of a regular course
- Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)



Student-Faculty Interaction (SFI)

Mean Comparisons

CUNY New York City College of Technology compared with:

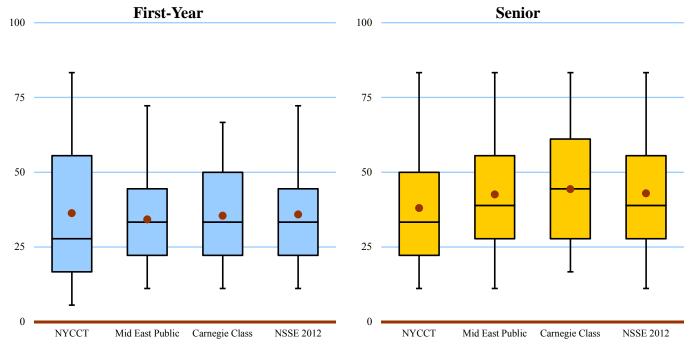
	NYCCT	Mid East P	Carn	egie Clas	SS	NSSE 2012			
			Effect		0	Effect			Effect
Class	Mean ^a	Mean ^a Sig ^b	Size c	Mean ^a	Sig ^b	Size c	Mean ^a	Sig ^b	Size c
First-Year	36.3	34.2	.11	35.4		.04	35.9		.02
Senior	38.0	42.6 **	21	44.4	***	29	42.9	***	23

^a Weighted by gender and enrollment status (and by institution size for comparison groups)

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

^c Mean difference divided by the pooled standard deviation

Distributions of Student Benchmark Scores



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

Student-Faculty Interaction (SFI) Items

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.

- 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 on a research project with a faculty member outside of course or program requirements



Enriching Educational Experiences (EEE)

Mean Comparisons

CUNY New York City College of Technology compared with:

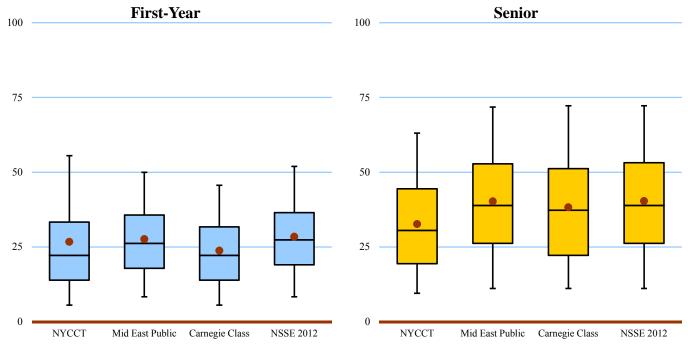
	NYCCT	Mid East P	Carnegie Class			NSSE 2012			
			Effect		0	Effect			Effect
Class	Mean ^a	Mean ^a Sig ^b	Size c	Mean ^a	Sig ^b	Size c	Mean ^a	Sig ^b	Size c
First-Year	26.7	27.6	07	23.8		.22	28.4		13
Senior	32.7	40.2 ***	41	38.3	***	30	40.4	***	42

^a Weighted by gender and enrollment status (and by institution size for comparison groups)

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

^c Mean difference divided by the pooled standard deviation

Distributions of Student Benchmark Scores



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

Enriching Educational Experiences (EEE) Items

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.

- Hours spent participating in co-curricular activities (organizations, campus publications, student gov., social fraternity or sorority, etc.)
- Practicum, internship, field experience, co-op experience, or clinical assignment
- Community service or volunteer work
- Foreign language coursework and 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 than your own
- Using electronic medium (e.g., listserv, chat group, Internet, instant messaging, etc.) 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



Supportive Campus Environment (SCE)

Mean Comparisons

CUNY New York City College of Technology compared with:

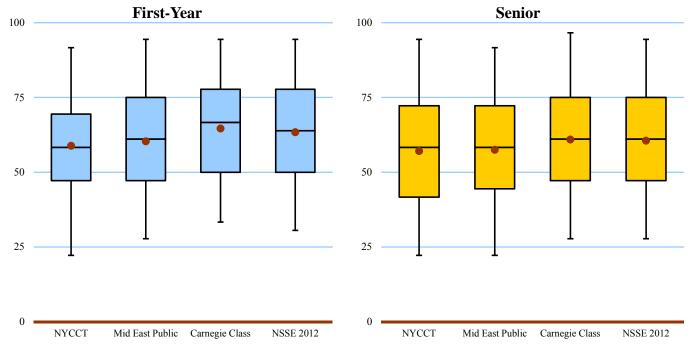
	NYCCT	Mid East P	Carn	egie Cla	SS	NSSE 2012			
			Effect		U	Effect			Effect
Class	Mean ^a	Mean ^a Sig ^b	Size c	Mean ^a	Sig ^b	Size c	Mean ^a	Sig ^b	Size c
First-Year	58.8	60.3	08	64.6	*	29	63.4	*	24
Senior	57.1	57.5	02	60.9	*	19	60.6	**	18

^a Weighted by gender and enrollment status (and by institution size for comparison groups)

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

^c Mean difference divided by the pooled standard deviation

Distributions of Student Benchmark Scores



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

Supportive Campus Environment (SCE) Items

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.

- 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



Interpreting the Top 10% and Top 50% Comparisons

This section of the NSSE Benchmark Comparisons report allows you to estimate the performance of your average student in relation to the average student attending institutions identified by NSSE for their high levels of student engagement: (a) institutions with benchmark scores placing them in the top 50% of all NSSE schools in 2012 and (b) institutions with benchmark scores in the top 10% for 2012.^a These comparisons allow an institution to determine if the engagement of their students differs in significant, meaningful ways from students in these high performing institutions.

Example

			_	NSSEville State compared with										
				E 2012	NSSE 2012									
State				-	50%		Тор							
		Mean	Mean	Sig	Effect size	Mean	Sig	Effect size						
• .	LAC	57.1	55.8	*	.10	60.5	***	-0.28						
ear	ACL	50.3	45.8	***	.28	50.7		-0.02						
t-Y	SFI	37.3	37.2		.01	42.0	***	-0.24						
Firs	EEE	21.8	30.0	***	63	34.4	***	-0.98						
H	SCE	60.9	64.7	***	21	69.7	***	-0.49						

Based on the example above NSSEville State CAN conclude...

- The average score for NSSEville State first-year students is slightly above (i.e., small positive effect size) that of the average student attending NSSE 2012 schools that scored in the top 50% on Level of Academic Challenge (LAC).
- The average NSSEville State first-year student is as engaged (i.e., not significantly different) as the average student attending NSSE 2012 schools that scored in the top 10% on Active and Collaborative Learning (ACL).
- It is *likely* that NSSEville State is in the top 50% of all NSSE 2012 schools for first-year students on Level of Academic Challenge (LAC) and Active and Collaborative Learning (ACL).^a

Based on the example above NSSEville State CANNOT conclude^a...

- NSSEville State is in the top half of all schools on the Student-Faculty Interaction (SFI) benchmark for first-year students.
- NSSEville State is a "top ten percent" institution on Active and Collaborative Learning (ACL) for first-year students.

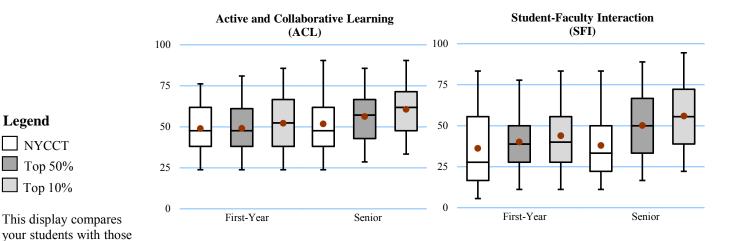
Additional information regarding the Top 50% and Top 10% section of the benchmark report can be found on the NSSE Web site. **nsse.iub.edu/links/institutional_reporting**

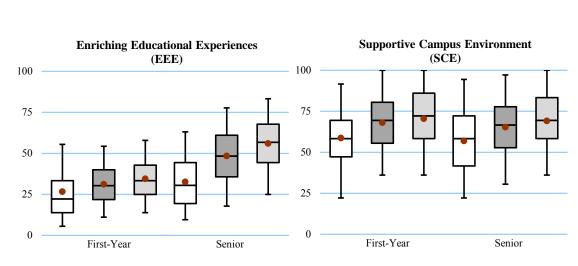
^a Precision-weighted means (produced by Hierarchical Linear Modeling) were used to determine the top 50% and top 10% institutions for each benchmark, separately for first-year and senior students. Using this method, benchmark scores of institutions with relatively large standard errors are adjusted substantially toward the grand mean of all students, while those with smaller standard errors receive smaller corrections. Thus, schools with less stable data, though they may have high scores, may not be identified among the top scorers. NSSE does not publish the names of the top 50% and top 10% institutions because of our commitment not to release individual school results and our policy against the ranking of institutions.



NSSE 2012 Benchmark Comparisons With Highly Engaging Institutions **CUNY New York City College of Technology**

				NYCCT com	pared with								
		NYCCT	NSSE Top 5		NSSE Top 1		Level of Acade	Level of Academic Challenge					
		Mean ^a	Mean ^a Sig ^b	Effect size ^c	Mean ^a Sig ^b	Effect size °	(LA	AC)					
	LAC	52.3	57.4 ***	39	59.6 ***	57 ¹⁰⁰							
ear	ACL	48.9	49.1	01	52.2	18		- - T					
t-Y	SFI	36.3	40.2	20	44.0 *	36 75	TT						
First-Year	EEE	26.7	31.2 **	33	34.5 ***	56							
	SCE	58.8	68.1 ***	50	70.6 ***	61							
-	LAC	54.5	61.8 ***	52	64.3 ***	70 50							
r	ACL	51.8	56.2 ***	26	60.6 ***	50							
Senior	SFI	38.0	50.3 ***	56	56.0 ***	81 25		±					
Š	EEE	32.7	48.4 ***	87	56.0 ***	-1.34							
-	SCE	57.1	65.4 ***	43	69.2 ***	65							
						0	First-Year	Senior					





Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

^a Weighted by gender and enroll. status (and inst. size for comparisons)

^c Mean diff. divided by pooled SD

Legend

□ NYCCT **Top 50%**

Top 10%

This display compares

attending schools that scored in the top 50% and top 10% of all NSSE

2012 institutions on a

particular benchmark.

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

NSSE national survey of student engagement

NSSE 2012 Benchmark Comparisons Detailed Statistics and Effect Sizes ^a CUNY New York City College of Technology

		First-Year Students														
											Reference	-				
		Mea	n Statis	tics	D			atistics			_	Statistics				
		Mean	SD ^b	SEM ^c	5th	Per 25th	centiles 50th	a 75th	95th	Deg. of Freedom ^e	Mean Diff.	Sig. ^f	Effect size ^g			
LEVEL OF ACADEMIC CHA	ALLENGE (LA	AC)														
NYCCT	(N = 76)	52.3	15.5	1.8	29	44	53	63	78							
Mid East Public		54.1	13.6	.2	32	45	54	64	76	5,355	-1.8	.263	13			
Carnegie Class		53.1	13.9	.7	29	44	54	63	75	499	8	.662	05			
NSSE 2012		54.5	13.4	.1	32	45	55	64	76	71,880	-2.1	.166	16			
Top 50%		57.4	13.0	.1	35	49	58	67	78	29,060	-5.0	.001	39			
Top 10%		59.6	12.7	.1	38	51	60	69	80	7,899	-7.3	.000	57			
ACTIVE AND COLLABORA	TIVE LEARN	ING (AC	L)													
NYCCT	(N = 79)	48.9	17.8	2.0	24	38	48	62	76							
Mid East Public		42.2	17.6	.2	17	29	39	52	75	5,953	6.7	.001	.38			
Carnegie Class		44.3	17.3	.8	19	33	43	57	72	541	4.6	.029	.27			
NSSE 2012		44.2	17.2	.1	19	33	43	56	76	78,756	4.7	.015	.27			
Top 50%		49.1	17.2	.1	24	38	48	61	81	26,582	1	.948	01			
Top 10%		52.2	18.4	.2	24	38	52	67	86	7,351	-3.3	.115	18			
STUDENT-FACULTY INTER	RACTION (SF	I)														
NYCCT	(N = 77)	36.3	25.5	2.9	6	17	28	56	83							
Mid East Public		34.2	19.3	.3	11	22	33	44	72	77	2.1	.476	.11			
Carnegie Class		35.4	19.0	.9	11	22	33	50	67	92	.9	.776	.04			
NSSE 2012		35.9	19.0	.1	11	22	33	44	72	76	.4	.888	.02			
Top 50%		40.2	19.7	.1	11	28	39	50	78	76	-3.9	.186	20			
Top 10%		44.0	21.1	.3	11	28	40	56	83	78	-7.7	.011	36			
ENRICHING EDUCATIONA	L EXPERIEN	CES (EEI	E)													
NYCCT	(N = 73)	26.7	17.5	2.1	6	14	22	33	56							
Mid East Public		27.6	13.2	.2	8	18	26	36	50	73	9	.664	07			
Carnegie Class		23.8	12.6	.6	6	14	22	32	46	85	2.9	.178	.22			
NSSE 2012		28.4	13.7	.1	8	19	27	37	52	69,729	-1.7	.286	13			
Top 50%		31.2	13.7	.1	11	22	30	40	54	32,338	-4.5	.005	33			
Top 10%		34.5	14.0	.2	14	25	33	43	58	6,067	-7.8	.000	56			
SUPPORTIVE CAMPUS ENV	VIRONMENT	(SCE)														
NYCCT	(N = 70)	58.8	19.9	2.4	22	47	58	69	92							
Mid East Public		60.3	19.6	.3	28	47	61	75	94	5,035	-1.5	.520	08			
Carnegie Class		64.6	19.6	1.0	33	50	67	78	94	471	-5.8	.024	29			
NSSE 2012		63.4	19.1	.1	31	50	64	78	94	68,056	-4.5	.047	24			
Top 50%		68.1	18.5	.1	36	56	69	81	100	20,830	-9.3	.000	50			
Top 10%		70.6	19.2	.3	36	58	72	86	100	4,756	-11.8	.000	61			

^a All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

^b Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

^c Standard Error of the Mean: Use SEM to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is

95% likely to contain the true population mean, equal to the sample mean +/- 1.96 * SEM.

^d A percentile is the point in the distribution of student-level benchmark scores at or below which a given percentage of benchmark scores fall.

^e Degrees of freedom used to compute the t-tests. Values vary for the total Ns due to weighting and whether equal variances were assumed.

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

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

IPEDS: 190655

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NSSE 2012 Benchmark Comparisons Detailed Statistics and Effect Sizes ^a CUNY New York City College of Technology

Seniors		
	nce Group	
	son Statistics	5
Percentiles ^d Deg. of Mea		Effect
Mean SD ^b SEM ^c 5th 25th 50th 75th 95th Freedom ^e Dif	f. Sig. ^f	size ^g
LEVEL OF ACADEMIC CHALLENGE (LAC)		
NYCCT (N = 235) 54.5 15.2 1.0 30 45 55 63 83		
Mid East Public 57.2 14.5 .1 33 48 58 67 80 10,751 -2.	7.004	19
Carnegie Class 58.0 15.0 .5 32 48 59 69 81 991 -3.	5 .002	23
NSSE 2012 58.4 14.3 .0 34 49 59 69 81 139,847 -3.	9.000	27
Top 50% 61.8 13.9 .1 38 53 62 72 84 50,627 -7.	3.000	52
Top 10% 64.3 13.9 .1 40 55 65 74 86 17,327 -9.	8.000	70
ACTIVE AND COLLABORATIVE LEARNING (ACL)		
NYCCT (N = 257) 51.8 18.6 1.2 24 38 48 62 90		
Mid East Public 50.7 18.0 .2 24 38 50 62 81 11,599 1.	0.370	.06
Carnegie Class 54.2 18.1 .6 24 43 56 67 86 1,040 -2.	4 .064	13
NSSE 2012 52.1 17.9 .0 24 38 52 62 81 147,785	4 .743	02
Top 50% 56.2 17.3 .1 29 43 57 67 86 50,499 -4.	5 .000	26
Top 10% 60.6 17.6 .2 33 48 62 71 90 8,688 -8.	9.000	50
STUDENT-FACULTY INTERACTION (SFI)		
NYCCT (N = 240) 38.0 21.7 1.4 11 22 33 50 83		
Mid East Public 42.6 22.1 .2 11 28 39 56 83 10,887 -4.	6 .002	21
Carnegie Class 44.4 21.9 .8 17 28 44 61 83 1,004 -6.	3.000	29
NSSE 2012 42.9 21.4 .1 11 28 39 56 83 140,839 -4.	9.000	23
Top 50% 50.3 22.0 .1 17 33 50 67 89 33,295 -12.	2 .000	56
Top 10% 56.0 22.1 .3 22 39 56 72 94 5,114 -18.	000. 0	81
ENRICHING EDUCATIONAL EXPERIENCES (EEE)		
NYCCT (N = 225) 32.7 16.8 1.1 10 19 31 44 63		
Mid East Public 40.2 18.4 .2 11 26 39 53 72 236 -7.	6.000	41
Carnegie Class 38.3 19.1 .7 11 22 37 51 72 414 -5.	6 .000	30
NSSE 2012 40.4 18.6 .1 11 26 39 53 72 225 -7.	7.000	42
Top 50% 48.4 18.1 .1 18 36 48 61 78 42,490 -15.	7.000	87
Top 10% 56.0 17.5 .2 25 44 57 68 83 7,591 -23.	3.000	-1.34
SUPPORTIVE CAMPUS ENVIRONMENT (SCE)		
NYCCT (N = 224) 57.1 21.4 1.4 22 42 58 72 94		
Mid East Public 57.5 20.3 .2 22 44 58 72 92 10,241	4 .749	02
Carnegie Class 60.9 20.2 .7 28 47 61 75 97 957 -3.		19
NSSE 2012 60.6 19.8 .1 28 47 61 75 94 134,239 -3.	5 .008	18
Top 50% 65.4 19.3 .1 31 53 67 78 97 224 -8.	4 .000	43
Top 10% 69.2 18.5 .3 36 58 69 83 100 237 -12.	2 .000	65

^a All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

^b Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

^c Standard Error of the Mean: Use SEM to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is

95% likely to contain the true population mean, equal to the sample mean +/- 1.96 * SEM.

^d A percentile is the point in the distribution of student-level benchmark scores at or below which a given percentage of benchmark scores fall.

^e Degrees of freedom used to compute the t-tests. Values vary for the total Ns due to weighting and whether equal variances were assumed.

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

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

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