

# San Jose State University

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## Benchmark Comparisons

August 2011

## Report

NSSE was created to guide institutional improvement efforts, NSSE created benchmarks in the areas of Learning, Student-Faculty Interactions, Student Engagement, Active and Collaborative Learning, Student-Faculty Interactions, and Learning Environment. This Benchmark Comparisons Report compares the performance of your institution with two sets of highly engaging institutions, those with high scores and those with low scores.

NSSE questions have different response sets, each question's response set was then averaged. Thus a benchmark score of 50 means that 50% of students chose the highest response to each item, and 100 would mean every student chose the highest response to each item.

NSSE 2011 Benchmark Comparisons  
San Jose State University

Level of Academic Challenge (LAC)

Mean Comparisons

San Jose State University compared with:

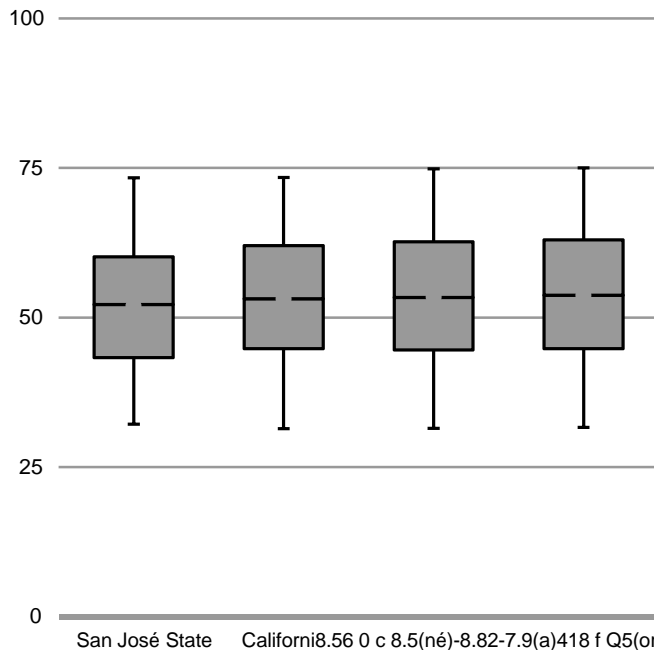
Class	San José State			California State			Carnegie Class			NSSE 2011		
	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>		
First-Year	51.9	53.1		-.09	53.4	*	-.11	53.7	*	-.13		
Senior	56.8	57.6		-.06	57.5		-.05	57.4		-.04		

<sup>a</sup> Weighted by gender and enrollment status (and by institution size for comparison groups).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>c</sup> 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 upper bar) 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.

Class	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
First-Year	42.3	43.8		-.09	43.1		-.05	43.2		-.05
Senior	49.3	51.8	*	-.15	52.1	**	-.16	51.3		-.11

<sup>a</sup> Weighted by gender and enrollment status (and by institution size for comparison groups).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\*p<.

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 the learning process and asked to think about what they are learning in real settings. Collaborating with others in solving problems or mastering difficult material prepares students for the messy, unscripted encounters they will encounter daily during and after college.

NSSE 2011 Benchmark Comparisons  
San Jose State University

## Student-Faculty Interaction (SFI)

### Mean Comparisons

San Jose State University compared with:

Class	San José State			California State			Carnegie Class			NSSE 2011			
	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
First-Year	31.0	32.9		-.10	34.4	***	-.19	34.5	***	-.19	34.5	***	-.19
Senior	34.3	38.3	***	-.19	41.6	***	-.35	42.0	***	-.36	42.0	***	-.36

<sup>a</sup> Weighted by gender and enrollment status (and by 0.46 for Tw (SeT T)40.2(en)21.5(t)6.6(st)6.6(at)6.6(u st)6.6-4 (31T3 T)40.2 st i \* r iso48 (<iso99))TJ-4243(0iso48 (5iso48 (

NSSE 2011 Benchmark Comparisons  
San Jose State University

Enriching Educational Experiences (EEE)

Mean Comparisons

San Jose State University compared with:

Class	San José State	California State			Carnegie Class			NSSE 2011		
	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
First-Year	24.5	26.4	**	-.15	26.5	**	-.16	27.8	***	-.25
Senior	35.8	37.0		-.07	38.3	*	-.14	40.4	***	-.26

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NSSE 2011 Benchmark Comparisons  
San Jose State University

Supportive Campus Environment (SCE)

Mean Comparisons

San Jose State University compared with:

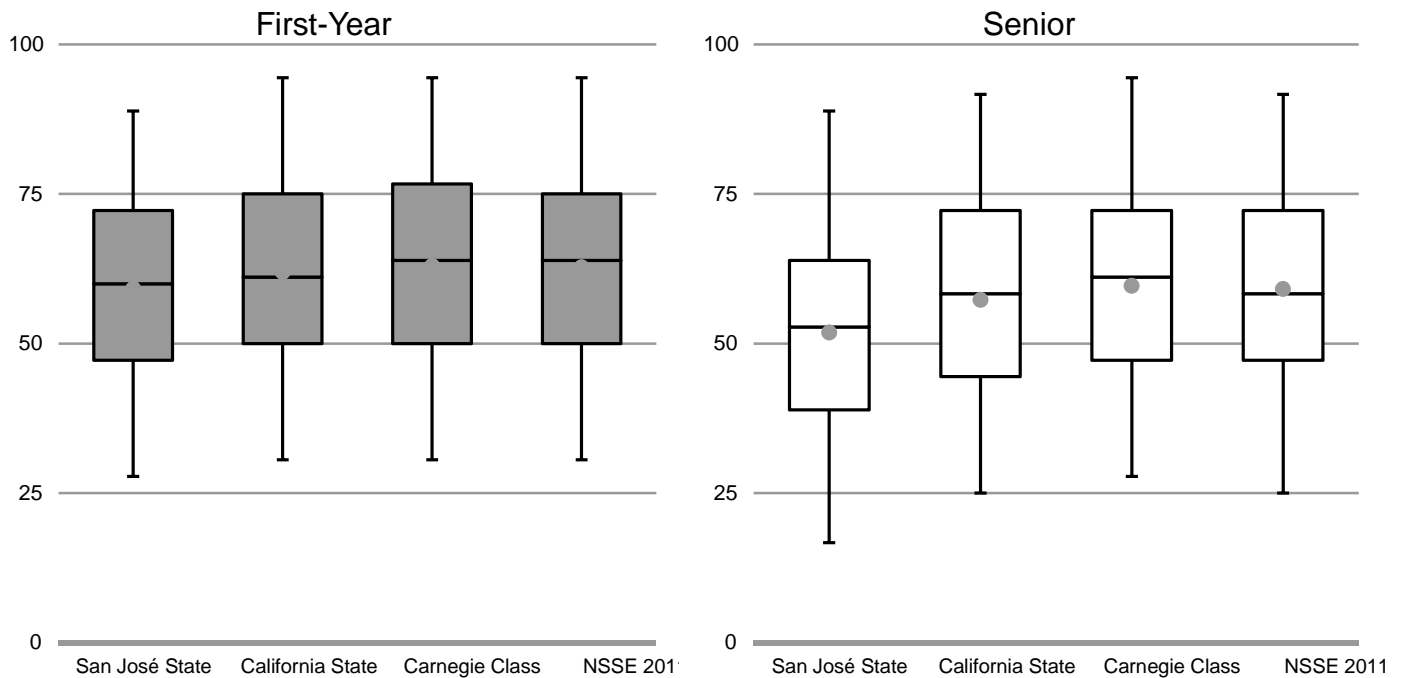
Class	San José State			California State			Carnegie Class			NSSE 2011		
	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>		
First-Year	59.1	61.9	*	-.15	63.0	***	-.20	62.7	***	-.19		
Senior	51.8	57.3	***	-.28	59.6	***	-.40	59.1	***	-.37		

<sup>a</sup> Weighted by gender and enrollment status (and by institution size for comparison groups).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>c</sup> 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 upper bar) 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 more committed to their success and cultivate positive work 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 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





# NSSE 2011 Benchmark Comparisons With Highly Engaging Institutions San Jose State University

San José State compared with

NSSE 2011

	San José State			NSSE 2011		
	Mean <sup>a</sup>	Mean <sup>a</sup> Sig <sup>b</sup>	Effect size <sup>c</sup>	Mean <sup>a</sup> Sig <sup>b</sup>	Effect size <sup>c</sup>	
Senior	LAC	51.9	56.7 ***	-.37	60.6 ***	-.70
	ACL	42.3	48.0 ***	-.34	52.1 ***	-.56
	SFI	31.0	39.3 ***	-.43	43.7 ***	-.60
	EEE	24.5	30.5 ***	-.45	33.7 ***	-.67
	SCE	59.1	67.4 ***	-.45	71.2 ***	-.67
	LAC	56.8	60.5 ***	-.27	64.1 ***	-.56
	ACL	49.3	56.2 ***	-.41	60.1 ***	-.61
	SFI	34.3	49.3 ***	-.69	56.0 ***	-.97
EEE	35.8	46.7 ***	-.61	55.3 ***	-1.18	
SCE	51.8	64.9 ***	-.69	68.7 ***	-.91	

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.

Mean SD<sup>b</sup>

NSSE 2011 Benchmark Comparisons  
Detailed Statistics and Effect Sizes  
San Jose State University

Seniors

	Mean Statistics			Distribution Statistics					Reference Group Comparison Statistics			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	Percentiles <sup>d</sup>					Deg. of Freedom <sup>e</sup>	Mean Diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
				5th	25th	50th	75th	95th				
<b>LEVEL OF ACADEMIC CHALLENGE (LAC)</b>												
San José State (N = 270)	56.8	14.6	.9	33	47	57	67	79				
California State	57.6	14.3	.1	34	48	58	68	81	9,508	-.9	.331	-.06
Carnegie Class	57.5	14.2	.1	33	48	58	68	80	39,109	-.7	.389	-.05
NSSE 2011	57.4	14.2	.0	33	48	58	67	80	133,130	-.6	.487	-.04
Top 50%	60.5	13.6	.1	37	51	61	70	82	39,622	-3.7	.000	-.27
Top 10%	64.1	13.0	.2	42	56	65	73	84	287	-7.3	.000	-.56
<b>ACTIVE AND COLLABORATIVE LEARNING (ACL)</b>												
San José State (N = 290)	49.3	16.9	1.0	19	38	48	62	81				
California State	51.8	17.3	.2	24	38	52	62	81	10,043	-2.6	.013	-.15
Carnegie Class	52.1	17.6	.1	24	38	52	62	81	41,165	-2.8	.007	-.16
NSSE 2011	51.3	17.7	.0	24	38	52	62	81	140,701	-2.0	.055	-.11
Top 50%	56.2	17.1	.1	29	43	57	67	86	37,825	-6.9	.000	-.41
Top 10%	60.1	17.8	.2	33	48	62	71	90	7,379	-10.9	.000	-.61
<b>STUDENT-FACULTY INTERACTION (SFI)</b>												
San José State (N = 276)	34.3	19.1	1.2	6	22	33	44	72				
California State	38.3	20.7	.2	11	22	33	50	78	294	-4.0	.001	-.19
Carnegie Class	41.6	21.0	.1	11	28	39	56	83	279	-7.3	.000	-.35
NSSE 2011	42.0	21.2	.1	11	28	39	56	83	276	-7.6	.000	-.36
Top 50%	49.3	21.7	.1	17	33	50	67	89	281	-15.0	.000	-.69
Top 10%	56.0	22.5	.3	22	39	56	72	94	324	-21.6	.000	-.97
<b>ENRICHING EDUCATIONAL EXPERIENCES (EEE)</b>												
San José State (N = 264)	35.8	16.8	1.0	10	22	36	47	66				
California State	37.0	17.4	.2	11	24	36	50	67	9,304	-1.2	.267	-.07
Carnegie Class	38.3	17.9	.1	11	25	37	51	69	38,330	-2.6	.021	-.14
NSSE 2011	40.4	18.2	.1	12	27	40	53	72	264	-4.7	.000	-.26
Top 50%	46.7	17.8	.1	17	34	47	59	76	49,516	-10.9	.000	-.61
Top 10%	55.3	16.6	.2	26	44	56	67	82	6,449	-19.6	.000	-1.18
<b>SUPPORTIVE CAMPUS ENVIRONMENT (SCE)</b>												
San José State (N = 255)	51.8	20.2	1.3	17	39	53	64	89				
California State	57.3	19.7	.2	25	44	58	72	92	9,117	-5.4	.000	-.28
Carnegie Class	59.6	19.6	.1	28	47	61	72	94	37,669	-7.8	.000	-.40
NSSE 2011	59.1	19.5	.1	25	47	58	72	92	128,270	-7.3	.000	-.37
Top 50%	64.9	18.9	.1	33	53	67	78	97	36,042	-13.0	.000	-.69
Top 10%	68.7	18.6	.2	36	56	69	83	100	6,392	-16.9	.000	-.91

<sup>a</sup> All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

<sup>b</sup> Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

<sup>c</sup> Standard Error of the Mean: Use SEM to compute a confidence interval (CI) around the sample mean. For example, the 95% CI of values that is 95% likely to contain the true population mean, equal to the sample mean +/- 1.96 \* SEM.

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

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

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

<sup>g</sup> Effect size is calculated by subtracting the comparison group mean from the school mean, and dividing the result by the standard deviation.