

Level of Academic Challenge (LAC)

Mean Comparisons

Trevecca Nazarene University compared with:

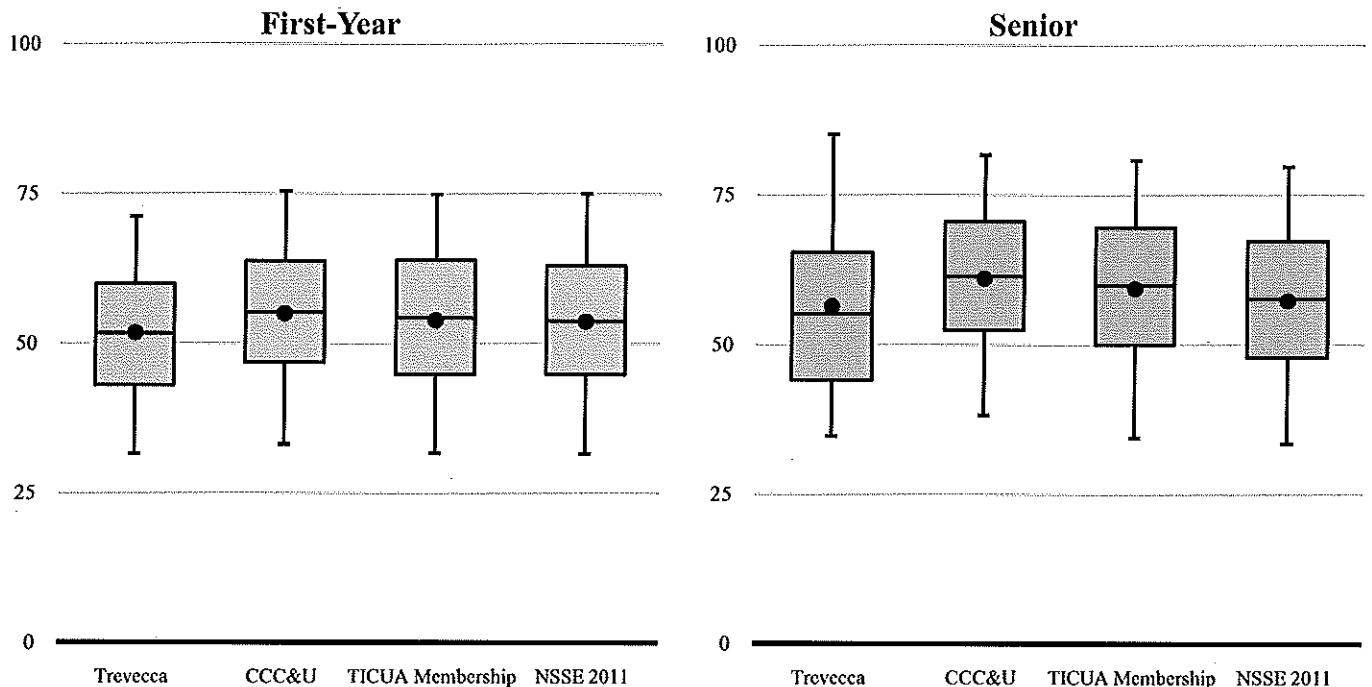
Class	Trevecca	CCC&U		Effect Size ^c	TICUA Membership		NSSE 2011		Effect Size ^c
	Mean ^a	Mean ^a	Sig ^b		Mean ^a	Sig ^b	Mean ^a	Sig ^b	
First-Year	51.7	54.9	*	-.25	53.8		-.16	53.7	-.15
Senior	56.4	61.0	**	-.35	59.3		-.21	57.4	-.07

^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. related to academic program)
- 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 of 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

Trevecca Nazarene University compared with:

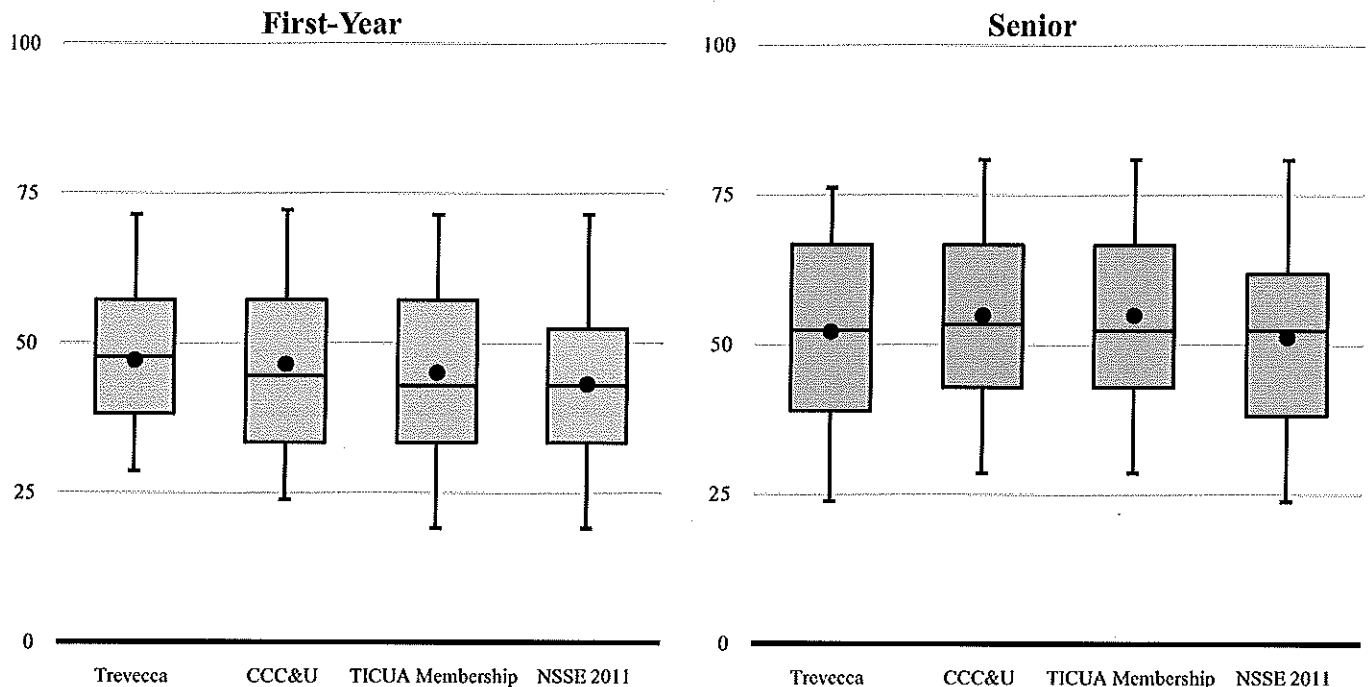
Class	Trevecca	CCC&U		TICUA Membership		NSSE 2011		Effect Size ^c
	Mean ^a	Mean ^a	Sig ^b	Mean ^a	Sig ^b	Mean ^a	Sig ^b	
First-Year	47.1	46.5		45.0		43.1		.24
Senior	52.2	54.9		55.0		51.3		.05

^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

Trevecca Nazarene University compared with:

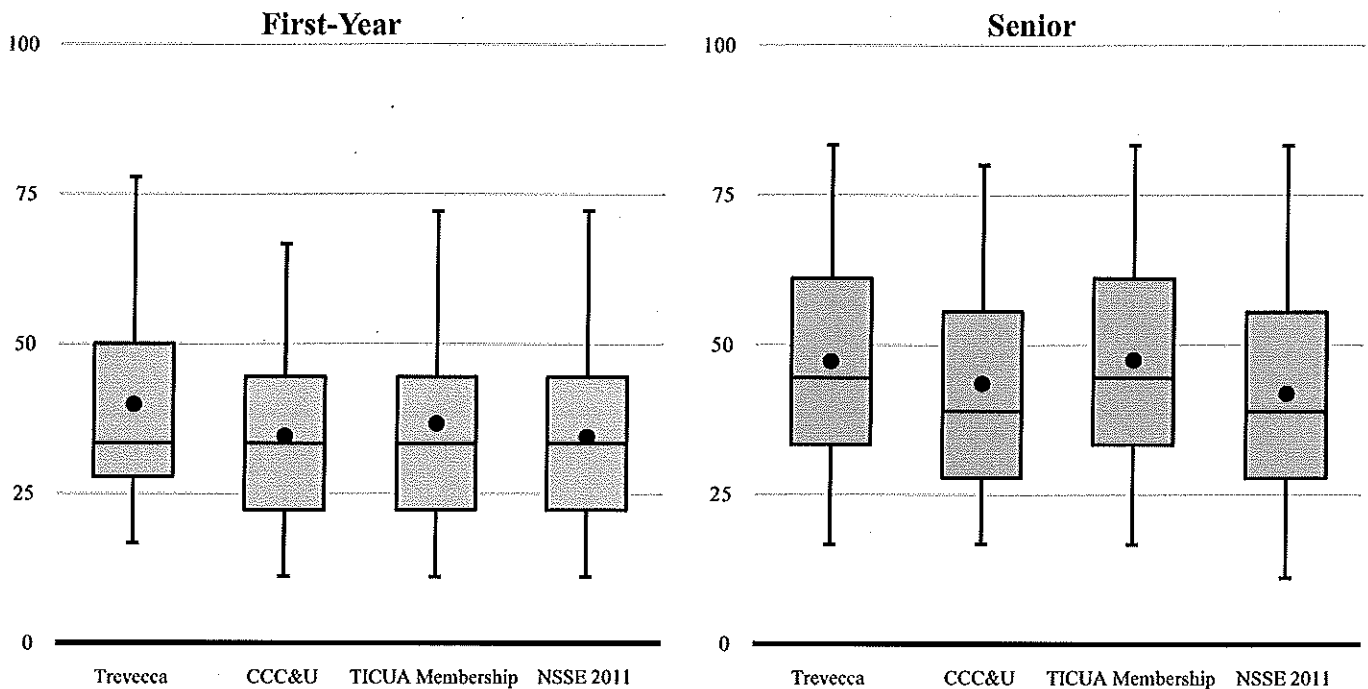
Class	Trevecca	CCC&U		Effect Size ^c	TICUA Membership		Effect Size ^c	NSSE 2011		Effect Size ^c
	Mean ^a	Mean ^a	Sig ^b		Mean ^a	Sig ^b		Mean ^a	Sig ^b	
First-Year	39.9	34.5	*	.31	36.7		.18	34.4	*	.29
Senior	47.2	43.5		.19	47.5		-.01	42.0	*	.25

^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

Trevecca Nazarene University compared with:

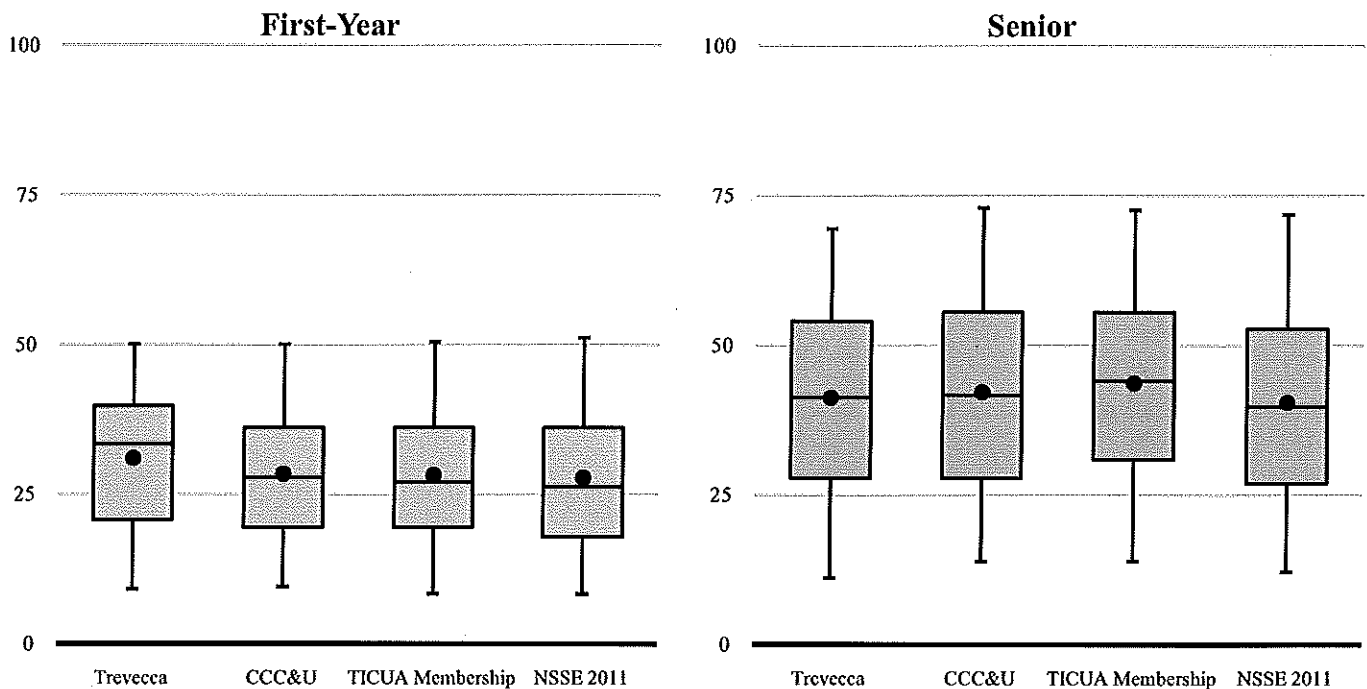
Class	Trevecca	CCC&U		TICUA Membership		NSSE 2011		Effect Size ^c
	Mean ^a	Mean ^a	Sig ^b	Mean ^a	Sig ^b	Mean ^a	Sig ^b	
First-Year	31.0	28.4		28.2		27.8		.24
Senior	41.2	42.2		43.7		40.4		.04

^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

Trevecca Nazarene University compared with:

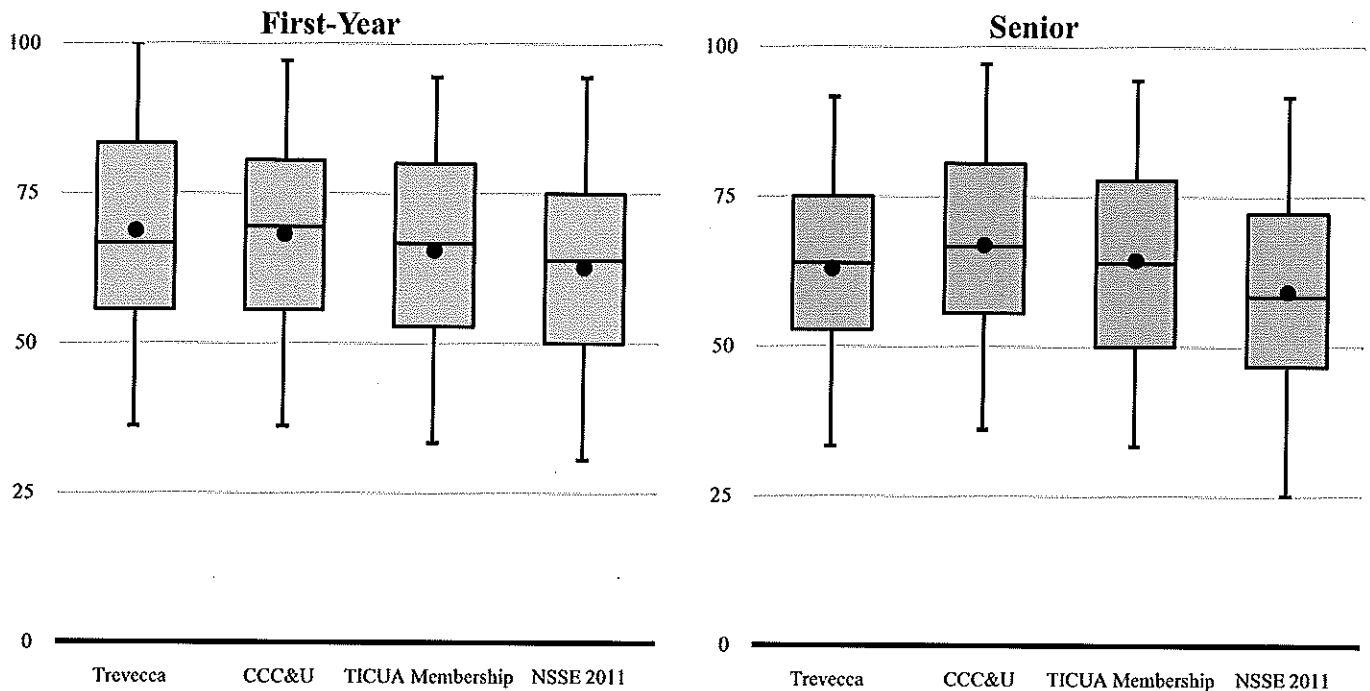
Class	Trevecca	CCC&U		TICUA Membership		NSSE 2011		Effect Size ^c
	Mean ^a	Mean ^a	Sig ^b	Mean ^a	Sig ^b	Mean ^a	Sig ^b	
First-Year	68.8	68.3		65.5		62.7	*	.32
Senior	63.0	66.9		64.4		59.1		.20

^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 two different institutional peer groups 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 2011 and (b) institutions with benchmark scores in the top 10% for 2011.^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 peer groups.

Example

NSSEville State compared with

	NSSEville State	NSSE 2011 Top 50%			NSSE 2011 Top 10%			
		<i>Mean</i>	<i>Mean</i>	<i>Sig</i>	<i>Effect size</i>	<i>Mean</i>	<i>Sig</i>	<i>Effect size</i>
First-Year	LAC	57.1	55.8	*	.10	60.5	***	-0.28
	ACL	50.3	45.8	***	.28	50.7		-0.02
	SFI	37.3	37.2		.01	42.0	***	-0.24
	EEE	21.8	30.0	***	-.63	34.4	***	-0.98
	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 2011 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 2011 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 2011 schools for first-year students on Level of Academic Challenge (LAC) and Active and Collaborative Learning (ACL).^a

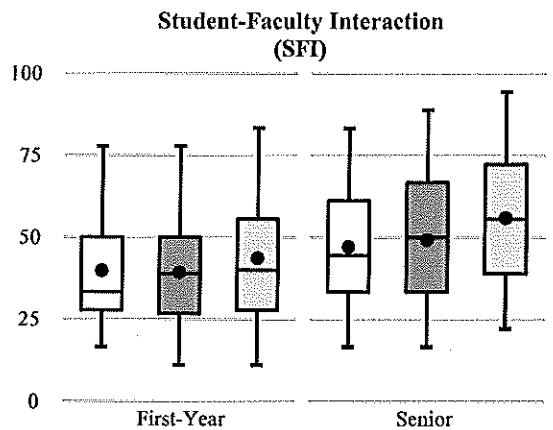
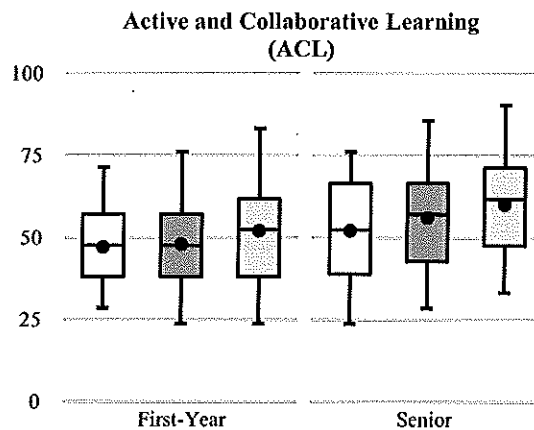
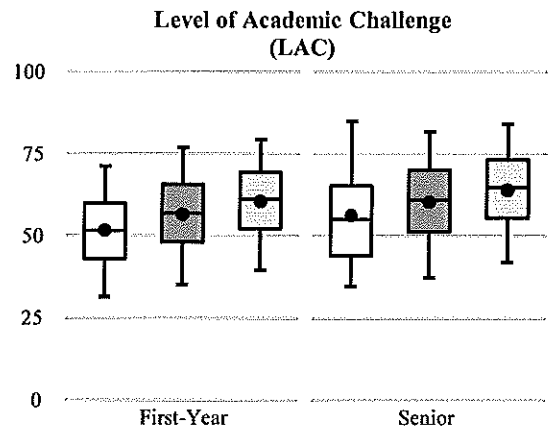
Based on the example above NSSEville State CANNOT conclude^a...

- ◆ 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.

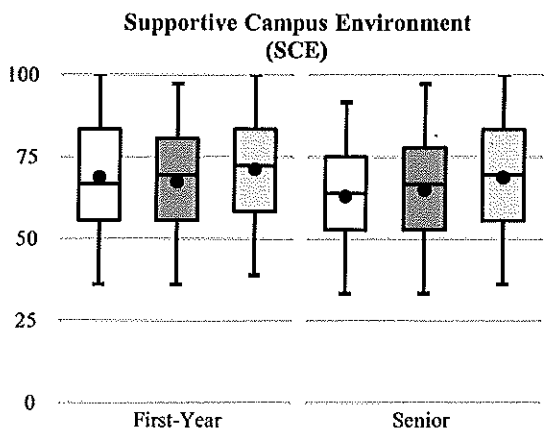
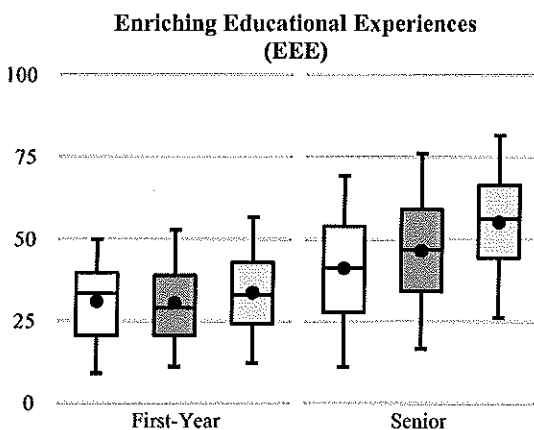
		<i>Trevecca compared with</i>						
		Trevecca	NSSE 2011 Top 50%			NSSE 2011 Top 10%		
		Mean ^a	Mean ^a	Sig ^b	Effect size ^c	Mean ^a	Sig ^b	Effect size ^c
First-Year	LAC	51.7	56.7	**	-.39	60.6	***	-.72
	ACL	47.1	48.0		-.05	52.1	**	-.28
	SFI	39.9	39.3		.03	43.7		-.18
	EEE	31.0	30.5		.03	33.7		-.20
	SCE	68.8	67.4		.08	71.2		-.14
Senior	LAC	56.4	60.5	**	-.30	64.1	***	-.59
	ACL	52.2	56.2	*	-.24	60.1	***	-.45
	SFI	47.2	49.3		-.10	56.0	***	-.39
	EEE	41.2	46.7	**	-.31	55.3	***	-.85
	SCE	63.0	64.9		-.10	68.7	**	-.31



Legend

- Trevecca
- Top 50%
- Top 10%

This display compares your students with those attending schools that scored in the top 50% and top 10% of all NSSE 2011 institutions on a particular benchmark.



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 by inst. size for comp. groups).

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

^c Mean diff. divided by the pooled standard dev.

First-Year Students

		Mean Statistics			Distribution Statistics					Reference Group Comparison Statistics			
		Mean	SD ^b	SEM ^c	Percentiles ^d					Deg. of Freedom ^e	Mean Diff.	Sig. ^f	Effect size ^g
					5th	25th	50th	75th	95th				
LEVEL OF ACADEMIC CHALLENGE (LAC)													
	Trevecca (N = 65)	51.7	12.5	1.5	31	43	52	60	71				
	CCC&U	54.9	12.7	.2	33	47	55	64	75	3,910	-3.2	.043	-.25
	TICUA Membership	53.8	13.3	.4	32	45	54	64	75	1,343	-2.1	.214	-.16
	NSSE 2011	53.7	13.3	.0	32	45	54	63	75	210,105	-2.0	.233	-.15
	Top 50%	56.7	12.9	.0	35	48	57	66	77	76,747	-5.0	.002	-.39
	Top 10%	60.6	12.4	.1	40	52	61	69	80	11,469	-8.9	.000	-.72
ACTIVE AND COLLABORATIVE LEARNING (ACL)													
	Trevecca (N = 69)	47.1	14.3	1.7	29	38	48	57	71				
	CCC&U	46.5	15.5	.2	24	33	44	57	72	4,216	.6	.732	.04
	TICUA Membership	45.0	16.1	.4	19	33	43	57	71	1,440	2.1	.295	.13
	NSSE 2011	43.1	16.9	.0	19	33	43	52	71	229,591	4.0	.051	.24
	Top 50%	48.0	16.8	.1	24	38	48	57	76	65,322	-.9	.658	-.05
	Top 10%	52.1	17.9	.2	24	38	52	62	83	69	-5.0	.005	-.28
STUDENT-FACULTY INTERACTION (SFI)													
	Trevecca (N = 65)	39.9	19.0	2.4	17	28	33	50	78				
	CCC&U	34.5	17.1	.3	11	22	33	44	67	3,952	5.3	.013	.31
	TICUA Membership	36.7	18.0	.5	11	22	33	44	72	1,363	3.2	.168	.18
	NSSE 2011	34.4	18.6	.0	11	22	33	44	72	212,547	5.4	.018	.29
	Top 50%	39.3	19.3	.1	11	27	39	50	78	56,278	.5	.823	.03
	Top 10%	43.7	21.3	.2	11	28	40	56	83	10,030	-3.8	.154	-.18
ENRICHING EDUCATIONAL EXPERIENCES (EEE)													
	Trevecca (N = 61)	31.0	12.8	1.6	9	21	33	40	50				
	CCC&U	28.4	12.4	.2	10	19	28	36	50	3,809	2.6	.103	.21
	TICUA Membership	28.2	13.2	.4	8	19	27	36	50	1,317	2.8	.111	.21
	NSSE 2011	27.8	13.5	.0	8	18	26	36	51	204,192	3.2	.063	.24
	Top 50%	30.5	13.3	.0	11	21	29	39	53	97,491	.5	.791	.03
	Top 10%	33.7	13.9	.1	12	24	33	43	57	15,473	-2.7	.124	-.20
SUPPORTIVE CAMPUS ENVIRONMENT (SCE)													
	Trevecca (N = 60)	68.8	18.2	2.3	36	56	67	83	100				
	CCC&U	68.3	18.1	.3	36	56	69	81	97	3,743	.5	.826	.03
	TICUA Membership	65.5	19.0	.5	33	53	67	80	94	1,301	3.3	.192	.17
	NSSE 2011	62.7	19.0	.0	31	50	64	75	94	199,520	6.1	.013	.32
	Top 50%	67.4	18.4	.1	36	56	69	81	97	63,504	1.4	.551	.08
	Top 10%	71.2	18.0	.2	39	58	72	83	100	11,470	-2.5	.290	-.14

^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.

Seniors

		Mean Statistics			Distribution Statistics					Reference Group Comparison Statistics			
		Mean	SD ^b	SEM ^c	Percentiles ^d					Deg. of Freedom ^e	Mean Diff.	Sig. ^f	Effect size ^g
					5th	25th	50th	75th	95th				
LEVEL OF ACADEMIC CHALLENGE (LAC)													
	Trevecca (N = 78)	56.4	14.5	1.6	35	44	55	65	85				
	CCC&U	61.0	13.2	.2	38	52	61	71	82	5,413	-4.6	.002	-.35
	TICUA Membership	59.3	13.8	.4	34	50	60	70	81	1,325	-2.9	.070	-.21
	NSSE 2011	57.4	14.2	.0	33	48	58	67	80	325,283	-1.0	.546	-.07
	Top 50%	60.5	13.6	.0	37	51	61	70	82	96,232	-4.1	.008	-.30
	Top 10%	64.1	13.0	.1	42	56	65	73	84	16,214	-7.7	.000	-.59
ACTIVE AND COLLABORATIVE LEARNING (ACL)													
	Trevecca (N = 81)	52.2	17.6	2.0	24	39	52	67	76				
	CCC&U	54.9	16.1	.2	29	43	53	67	81	5,635	-2.7	.136	-.17
	TICUA Membership	55.0	16.3	.5	29	43	52	67	81	1,378	-2.8	.138	-.17
	NSSE 2011	51.3	17.7	.0	24	38	52	62	81	343,782	.9	.645	.05
	Top 50%	56.2	17.1	.1	29	43	57	67	86	91,795	-4.0	.034	-.24
	Top 10%	60.1	17.8	.1	33	48	62	71	90	17,405	-8.0	.000	-.45
STUDENT-FACULTY INTERACTION (SFI)													
	Trevecca (N = 78)	47.2	19.0	2.1	17	33	44	61	83				
	CCC&U	43.5	19.9	.3	17	28	39	56	80	5,453	3.7	.100	.19
	TICUA Membership	47.5	20.8	.6	17	33	44	61	83	1,329	-.3	.899	-.01
	NSSE 2011	42.0	21.2	.0	11	28	39	56	83	327,992	5.3	.028	.25
	Top 50%	49.3	21.7	.1	17	33	50	67	89	69,189	-2.1	.388	-.10
	Top 10%	56.0	22.5	.2	22	39	56	72	94	10,923	-8.7	.001	-.39
ENRICHING EDUCATIONAL EXPERIENCES (EEE)													
	Trevecca (N = 78)	41.2	17.0	1.9	11	28	41	54	69				
	CCC&U	42.2	18.4	.3	14	28	42	56	73	5,320	-1.0	.627	-.06
	TICUA Membership	43.7	17.8	.5	14	31	44	56	73	1,302	-2.5	.225	-.14
	NSSE 2011	40.4	18.2	.0	12	27	40	53	72	318,599	.8	.711	.04
	Top 50%	46.7	17.8	.1	17	34	47	59	76	120,420	-5.5	.007	-.31
	Top 10%	55.3	16.6	.1	26	44	56	67	82	15,193	-14.1	.000	-.85
SUPPORTIVE CAMPUS ENVIRONMENT (SCE)													
	Trevecca (N = 77)	63.0	16.9	1.9	33	53	64	75	92				
	CCC&U	66.9	18.4	.3	36	56	67	81	97	5,236	-3.9	.060	-.22
	TICUA Membership	64.4	19.3	.6	33	50	64	78	94	1,285	-1.4	.525	-.07
	NSSE 2011	59.1	19.5	.0	25	47	58	72	92	313,408	3.9	.082	.20
	Top 50%	64.9	18.9	.1	33	53	67	78	97	87,444	-1.9	.376	-.10
	Top 10%	68.7	18.6	.2	36	56	69	83	100	15,077	-5.8	.007	-.31

^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.