

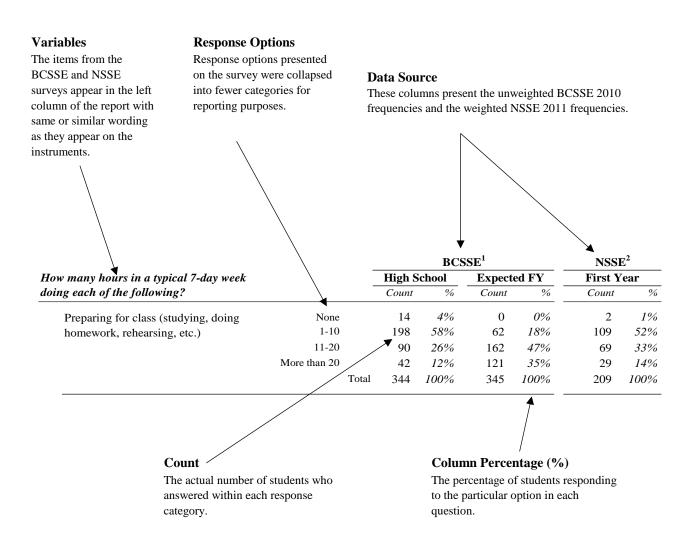
Hilbert College

BCSSE 2010-NSSE 2011 Combined Report Cross-Sectional and Longitudinal Results August 2011



BCSSE 2010-NSSE 2011 Combined Report Interpreting the Cross-Sectional Results

The cross-sectional results are based on *all* first-year student respondents from your institution's BCSSE 2010 and NSSE 2011 administrations (in contrast to the longitudinal results which contain only *matched* data). These data provide the best estimates of your first-year students' pre-college characteristics and their engagement during the first year. By presenting your BCSSE-NSSE cross-sectional results side-by-side, you can identify areas of correspondence as well as gaps in engagement to develop a better understanding of the first-year student experience.





BCSSE 2010-NSSE 2011 Combined Report Cross-Sectional Results Hilbert College

			BCSSE ¹				NSSE ²	
y many hours in a typical 7-day week doing		-	High S	chool	Expect	ed FY	First Y	ear
n of the following?			Count	%	Count	%	Count	
Preparing for class (studying, doing	None		5	2%	1	0%	1	29
homework, rehearsing, etc.)	1-10		193	79%	61	25%	49	629
	11-20		41	17%	133	55%	22	29
	More than 20		5	2%	49	20%	7	8
		Total	244	100%	244	100%	79	100
Working for pay	No		63	26%	21	9%	26	33
	Yes		178	74%	221	91%	53	67
		Total	241	100%	242	100%	79	100
Participating in co-curricular activities (arts,	None		33	14%	14	6%	33	37
clubs, athletics, etc.)	1-10		85	35%	113	47%	28	37
	11-20		80	33%	80	33%	13	18
	More than 20		45	19%	36	15%	5	8
		Total	243	100%	243	100%	79	100
Relaxing and socializing (watching TV,	None		2	1%	3	1%	0	0
partying, etc.)	1-10		107	44%	144	59%	51	62
	11-20		77	32%	70	29%	17	24
	More than 20		57	23%	27	11%	10	14
		Total	243	100%	244	100%	78	100

How often did you do or expect to do each of the following?

0								
Ask questions in class or contribute to class	Never/Sometimes		85	35%	45	18%	23	25%
discussions	Often/Very often		160	65%	199	82%	61	75%
		Total	245	100%	244	100%	84	100%
Make a class presentation	Never/Sometimes		111	45%	65	27%	24	27%
	Often/Very often		134	55%	177	73%	59	73%
		Total	245	100%	242	100%	83	100%
Come to class without completing readings or	Never/Sometimes		229	93%			68	80%
assignments	Often/Very often		16	7%			15	20%
		Total	245	100%			83	100%
Discuss grades or assignments with a	Never/Sometimes		117	48%	68	28%	31	35%
teacher/instructor	Often/Very often		128	52%	176	72%	49	65%
		Total	245	100%	244	100%	80	100%
Work with other students on projects during	Never/Sometimes		64	26%	72	30%	47	54%
class	Often/Very often		180	74%	172	70%	37	46%
		Total	244	100%	244	100%	84	100%

¹Blank cells indicate NSSE items with no similar item on BCSSE.

 2 Weighted NSSE frequencies. See Frequency Distributions in the NSSE section of this report for more details.



BCSSE 2010-NSSE 2011 Combined Report Cross-Sectional Results Hilbert College

		_		BCS	NSSE ²			
often did you do or expect to do each of the		_	High S		Expect		First Y	'ear
wing?			Count	%	Count	%	Count	
Work with classmates outside of class to	Never/Sometimes		168	69%	84	34%	53	61
prepare class assignments	Often/Very often		76	31%	160	66%	31	39
propule class assignments		Total	244	100%	244	100%	84	100
Deserve toos an entre desta af a server an	Never/Sometimes		149	61%			39	50
Prepare two or more drafts of a paper or assignment before turning it in	Often/Very often		96	39%			44	50
assignment before turning it m		Total	245	100%			83	10
Have serious conversations with students of a	Never/Sometimes		126	52%	93	38%	40	40
different race or ethnicity than your own.	Often/Very often		118	48%	151	62%	40	5
unificient face of cullificity than your own.		Total	244	100%	244	100%	80	10
	Never/Sometimes		174	71%	120	49%	60	7.
Discuss ideas from your readings or classes	Often/Very often		71	29%	123	51%	21	2
with teacher/faculty members outside of class		Total	245	100%	243	100%	81	10
Discuss ideas from your readings or classes	Never/Sometimes		151	62%	113	47%	44	5
with others outside of class (students, family	Often/Very often		93	38%	129	53%	36	4
members, etc.)		Total	244	100%	242	100%	80	10
	Never/Sometimes		101	42%			45	5
Talked with a counselor, teacher, or other staff	Often/Very often		140	58%			36	4
member about college or career plans		Total	241	100%			81	10
Had serious conversations with students who	Never/Sometimes		132	55%	76	32%	43	5
are very different from you in terms of relig.	Often/Very often		110	45%	165	68%	38	4
beliefs, pol. opinions, or values	-	Total	242	100%	241	100%	81	10
Work on a paper or project that requires	Never/Sometimes				16	7%	8	
integrating ideas or information from various	Often/Very often				228	93%	76	9
sources		Total			244	100%	84	10
Put together ideas or concepts from different	Never/Sometimes				54	22%	26	3
courses when completing assignments or	Often/Very often				189	78%	53	6
during class discussions		Total			243	100%	79	10
	Never/Sometimes				61	25%	28	3
Receive prompt feedback from faculty on your academic performance (written or oral)	Often/Very often				183	75%	52	6
academic performance (written of orar)		Total			244	100%	80	10
Work with faculty members on activities other	Never/Sometimes				113	47%	54	6
than coursework (committees, orientation,	Often/Very often				130	53%	24	3
student life activities, etc)		Total			243	100%	78	10
Try to better understand someone else's views	Never/Sometimes				58	24%	26	3
by imagining how an issue looks from his or	Often/Very often				185	76%	54	6
her perspective		Total			243	100%	80	10
I come comentative at the state of the	Never/Sometimes				43	18%	26	3.
Learn something that changes the way you understand an issue or idea	Often/Very often				199	82%	54	6
understand an issue of idea	-	Total			242	100%	80	10
les	A or A-		80	33%	109	46%	40	5
	B or B+		117	48%	116	49%	23	3
				19%		5%		1

¹Blank cells indicate NSSE items with no similar item on BCSSE.

² Weighted NSSE frequencies. See Frequency Distributions in the NSSE section of this report for more details.



 Total
 242
 100%
 238
 100%
 74
 100%

¹Blank cells indicate NSSE items with no similar item on BCSSE.

² Weighted NSSE frequencies. See Frequency Distributions in the NSSE section of this report for more details.



These longitudinal results contain matched data from your first-year students who completed *both* the BCSSE 2010 and NSSE 2011 surveys. The purpose of this report is to analyze the relationships between incoming student characteristics and their reported engagement near the end of their first year. With longitudinal data, you can more effectively identify how students with varying levels of pre-college characteristics were actually engaged during their first year of college.

Six BCSSE scales are categorized into quartile ranges based on the lower 25 percent (Low25), the middle 50 percent (Mid50), and the upper 25 percent (Top25) of respondents.

BCSSE Scales

The following BCSSE scales were constructed by converting the responses for each item to a 0-10 range. A mean scale score was then calculated for each student. Below is a brief description of each scale with the component BCSSE items in parentheses.

High School Academic Engagement	Student engagement in educationally relevant activities during the last year of high school. (hreadasg, hwrite5, hwrite5m, hacadpr, hclquest, hclprese, hfacgrad, hclassgr, hoccgrp, hrewropa, hfacidea, hoocidea)
Expected Academic Engagement	Expected engagement in educationally relevant behaviors during the first year of college. (cacadpr, cclquest, cclprese, cfacgrad, cclassgr, coccgrp, cfacidea, coocidea)
Expected Academic Perseverance	Student certainty that they will persist in the face of academic adversity. (cotherint, cfindinfo, ccourdis, caskinst, cfinish, cstaypos)
Expected Academic Difficulty	Expected academic difficulty during the first year of college. (clearnma, cmantime, cgethelp, cintfac)
Perceived Academic Preparation	Student perception of their academic preparation. (cgnwrite, cgnspeak, cgnanaly, cgnquant, cgncompt, cgnother, cgninq)
Importance of Campus Environment	Student-rated importance that the institution provides a challenging and supportive environment. (cenvscho, cenvsupr, cenvdivr, cenvnaca, cenvsoca, cenveven)

NSSE Benchmarks of Effective Educational Practice

Also included in this report are four of the five NSSE Benchmarks¹, with the component items in parentheses:

Level of Academic Challenge (adjusted)	Engagement in challenging and intellectually diverse work. (readasgn, writemor, writemid, writesml, analyze, synthesz, evaluate, applying, workhard, acadpr01, envschol)
Active & Collaborative Learning:	Engagement in collaborative learning and learning in different settings. (clquest, clpresen, classgrp, occgrp, tutor, commproj, oocideas)
Student-Faculty Interaction	Student engagement with faculty as instructors, role models, and mentors. (facgrade, facideas, facplans, facfeed, facother, resrch04)
Supportive Campus Environment	Quality of campus environment to support student success. (envsocal, envsuprt, envnacad, envstu, envfac, envadm)

¹ The benchmark "Enriching Educational Experiences" is not included in this section of the report given that it measures the participation in many activities not typically completed by first-year students (internships, capstone courses, study abroad, etc).



BCSSE 2010-NSSE 2011 Combined Report Interpreting Longitudinal Results

Interpreting and Using BCSSE-NSSE Results

In the example below (NSSEville State), students who scored in the top 25% ("Top25") for High School Academic Engagement were engaged in their first year of college with an average Level of Academic Challenge (LAC) benchmark score of 65.2, while their peers comprised of all other respondents attending BCSSE doctorate-granting institutions reported an average LAC score of 59.1. The difference is statistically significant (*** p<.001) with a moderate effect size of .49. However their students in the lowest quartile ("Low25") did no better than their peers (scoring 48.2 and 49.4 respectively, but not statistically significant). To increase engagement in LAC, NSSEville State could use this information in their faculty development programs to discuss how classroom environments and coursework can be more engaging for students who may otherwise be less engaged. Student advisors may also use these results to work with students at risk for low engagement in academically challenging activities.

Quartile Ranges

The lower 25%, middle 50%, and the top 25% of scores for each BCSSE scale calculated for each institution. The quartiles calculated for your institution are then applied to their peer group to create a group of students who are comparable regarding the BCSSE scale. This often results in the peer group having more than or fewer than the 25% in the lower and upper quartiles. **Comparison Group** Data from all other institutions at either the baccalaureate, master's, or doctoral level. See pages 11 and 12 for a list of included institutions by Basic Carnegie type.

NSSE Benchmark The NSSE benchmark is listed across the top of the page.

Statistical Significance

Items with mean differences that are larger than would be expected by chance alone are noted with one, two, or three asterisks, referring to three significance levels (p<.05, p<.01, and p<.001). Large sample sizes (like those produced by NSSE) tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. It is recommended to consult effect sizes (see below) to judge the practical meaning of the results.

	•		Level	of Academ	\sim						
	Quartile	NSSE	ville Sta	te	All Ot	her Maste	er's	Statistical Comparisons			
BCSSEScale	Range ¹	Mean	SD	N	Mean	SD	N	Difference	Sig ²	ES ³	
High School	Low25	48.2	11.3	86	▼ 49.4	11.9	1,398	-1.20		10	
Academic	Mid50	55.1	9.1	172	55.6	9.8	2,109	-0.50		05	
Engagement	Top25	65.2	12.8	86	59.1	12.1	913	6.10	***	.49	
						/					
								, ,			
DCSSE Soolo	Mean Renc	hmark Scores		Jumbor of	Dognandanta		/				

BCSSE Scale The six BCSSE scales are listed in the left column Mean Benchmark Scores The average benchmark score for all students attending your institution and all students attending

and all students attending institutions in the comparison group, calculated for each quartile range.

Number of Respondents

The actual number of respondents who were included in each group.

Difference of Means

The difference between your institution's mean score and the mean score for the comparison group.

Effect Size

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 your 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.



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NSSE Level of Academic Challenge by BCSSE Scales at Three Score Levels

			Level	of Acaden	nic Challenge	e				
	Ouartile	H	Hilbert		All Other	Baccalau	reate	Statistical C	omparis	sons
BCSSE Scale	Range ¹	Mean	SD	Ν	Mean	SD	Ν	Difference	Sig ²	ES ³
High School	Low25	51.8	13.2	15	50.8	12.5	759	0.91		.07
Academic	Mid50	55.5	15.0	30	56.3	11.8	2,265	-0.71		05
Engagement	Top25	59.3	15.4	16	61.9	11.9	1,754	-2.61		19
Expected	Low25	46.2	13.9	15	52.7	11.8	1,345	-6.44		50
Academic	Mid50	56.7	13.3	31	57.5	12.1	2,190	-0.83		07
Engagement	Top25	62.7	14.1	15	62.6	12.0	1,218	0.10		.01
	Low25	57.8	14.9	21	53.3	12.3	1,669	4.56		.34
Expected Academic	Mid50	51.3	13.3	28	58.6	12.0	2,221	-7.27	**	.54 57
Perseverance	Top25	61.6	15.6	28 12	62.6	12.0	856	-0.96		07
Expected	Low25	54.5	16.6	21	58.6	12.7	1,272	-4.17		28
Academic	Mid50	54.3	12.8	23	56.8	12.2	1,156	-2.52		20
Difficulty	Top25	58.7	15.0	17	57.1	12.6	2,314	1.59		.12
Perceived	Low25	55.6	13.0	15	54.3	12.9	1,582	1.35		.10
Academic	Mid50	58.0	14.0	28	58.3	11.9	2,261	-0.34		03
Preparation	Top25	51.8	17.0	18	61.0	12.1	895	-9.14	*	63
	Low25	59.5	15.8	14	53.7	12.6	921	5.71		.40
Importance of Campus	Mid50	59.5 52.5	13.8	32	57.0	12.0		-4.51		.40 35
Environment							2,702			
	Top25	58.5	15.7	15	61.6	12.3	1,112	-3.08		22
All BCSSE- Responde		55.6	14.7	61	57.5	12.6	4,806	-1.88		14

¹ Low25=Lower Quartile; Mid50=Interquartiles; Top25=Upper Quartile

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



NSSE Active and Collaborative Learning by BCSSE Scales at Three Score Levels

			Active a	nd Collabo	orative Learn	ing				
	Quartile	I	Hilbert		All Other	Baccalau	ireate	Statistical Comparisons		
BCSSE Scale	Range ¹	Mean	SD	Ν	Mean	SD	Ν	Difference	Sig ² ES ³	
High School	Low25	40.1	19.2	16	38.5	13.9	802	1.57	0.09	
Academic	Mid50	47.0	19.5	32	44.2	14.1	2,412	2.77	0.16	
Engagement	Top25	47.3	11.2	16	52.2	15.7	1,879	-4.85	-0.36	
Expected	Low25	40.1	16.8	16	39.7	13.1	1,419	0.34	0.02	
Academic	Mid50	46.4	19.6	32	46.3	14.9	2,334	0.15	0.01	
Engagement	Top25	48.5	14.3	16	53.3	15.9	1,309	-4.74	-0.31	
Expected	Low25	47.0	19.5	21	41.9	14.2	1,768	5.05	0.30	
Academic Perseverance	Mid50	42.8	16.7	31	47.2	15.0	2,367	-4.40	-0.28	
	Top25	49.2	17.6	12	52.1	16.8	920	-2.91	-0.17	
Expected	Low25	41.6	14.3	22	49.2	16.2	1,335	-7.57	* -0.50	
Academic	Mid50	48.7	18.1	24	45.4	14.5	1,233	3.28	0.20	
Difficulty	Top25	45.5	20.8	18	45.1	15.4	2,483	0.38	0.02	
Perceived	Low25	42.4	19.3	16	42.8	14.7	1,693	-0.49	-0.03	
Academic	Mid50	47.8	19.1	30	46.6	14.9	2,394	1.23	0.07	
Preparation	Top25	43.9	13.9	18	51.4	16.7	960	-7.49	* -0.49	
Importance of	Low25	48.7	22.9	14	42.8	15.1	988	5.85	0.31	
Campus	Mid50	44.7	15.7	34	45.6	14.7	2,856	-0.95	-0.06	
Environment	Top25	43.8	17.7	16	50.6	16.6	1,197	-6.72	-0.39	
All BCSSE- Responde		45.3	17.7	64	46.2	15.5	5,123	-0.90	-0.05	

¹ Low25=Lower Quartile; Mid50=Interquartiles; Top25=Upper Quartile

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



NSSE Student-Faculty Interaction by BCSSE Scales at Three Score Levels

			Stude	ent-Facult	y Interaction						
	Quartile	I	Hilbert		All Other	Baccalau	reate	Statistical Comparisons			
BCSSE Scale	Range ¹	Mean	SD	Ν	Mean	SD	Ν	Difference	Sig ²	ES ³	
High School	Low25	34.4	19.6	15	30.1	15.6	761	4.30		0.24	
Academic	Mid50	47.2	24.3	31	36.1	16.1	2,292	11.09	*	0.55	
Engagement	Top25	48.8	20.3	16	44.9	19.0	1,773	3.97		0.20	
Expected Academic Engagement	Low25	36.3	22.0	15	31.3	15.0	1,355	5.02		0.27	
	Mid50	45.2	22.3	31	38.2	17.0	2,209	6.97		0.36	
	Top25	51.0	23.1	16	46.5	19.3	1,235	4.51		0.21	
Expected Academic Perseverance	Low25	45.8	27.2	21	33.1	15.9	1,690	12.71	*	0.59	
	Mid50	38.8	17.1	29	39.4	17.7	2,234	-0.66		-0.04	
	Top25	56.1	23.0	12	45.9	19.4	867	10.26		0.48	
Expected	Low25	39.6	21.2	22	41.7	18.6	1,284	-2.02		-0.10	
Academic	Mid50	43.0	22.9	23	38.2	17.3	1,167	4.75		0.24	
Difficulty	Top25	52.9	23.1	17	36.6	17.7	2,336	16.24	**	0.79	
Perceived	Low25	40.6	21.8	16	35.3	16.8	1,600	5.24		0.27	
Academic	Mid50	50.6	22.4	28	38.1	17.5	2,279	12.51	**	0.63	
Preparation	Top25	38.6	22.7	18	44.6	19.5	904	-6.06		-0.29	
Importance of	Low25	44.1	27.4	14	34.1	16.8	931	10.02		0.45	
Campus	Mid50	43.9	18.5	32	37.4	17.2	2,723	6.42		0.36	
Environment	Top25	46.2	27.0	16	44.1	19.3	1,125	2.05		0.09	
All BCSSE- Responde		44.5	22.7	(2)	29.4	18.0	4 95 4	C 15	*	0.20	
responde		44.5	22.7	62	38.4	18.0	4,854	6.15	*	0.30	

¹ Low25=Lower Quartile; Mid50=Interquartiles; Top25=Upper Quartile

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



NSSE Supportive Campus Environment by BCSSE Scales at Three Score Levels

			Support							
	Quartile	I	Hilbert		All Other	Baccalau	ireate	Statistical Comparisons		
BCSSE Scale	Range ¹	Mean	SD	N	Mean	SD	Ν	Difference	Sig ² ES ³	
High School	Low25	64.4	15.8	15	64.1	17.7	734	0.34	0.02	
Academic	Mid50	74.9	21.5	30	67.4	17.0	2,186	7.51	0.39	
Engagement	Top25	68.3	18.9	15	71.4	17.8	1,689	-3.06	-0.17	
Expected Academic Engagement	Low25	72.8	21.0	15	64.2	16.8	1,304	8.60	0.46	
	Mid50	68.8	20.1	30	68.3	17.0	2,113	0.45	0.02	
	Top25	72.2	18.9	15	72.9	18.5	1,168	-0.71	-0.04	
Expected	Low25	74.7	19.8	21	63.6	17.1	1,602	11.09	* 0.60	
Academic Perseverance	Mid50	65.8	18.3	27	69.6	16.8	2,153	-3.72	-0.21	
	Top25	74.3	22.2	12	74.2	18.4	823	0.13	0.01	
Expected	Low25	70.6	19.1	21	70.6	18.0	1,226	0.04	0.00	
Academic	Mid50	72.0	21.9	22	68.8	17.1	1,110	3.15	0.16	
Difficulty	Top25	69.0	18.9	17	66.8	17.6	2,239	2.12	0.12	
Perceived	Low25	70.4	20.4	15	64.9	17.3	1,517	5.43	0.29	
Academic	Mid50	71.3	19.5	28	68.9	17.2	2,191	2.45	0.13	
Preparation	Top25	69.8	21.0	17	72.9	18.0	863	-3.14	-0.16	
Importance of	Low25	71.8	21.3	14	62.1	17.1	873	9.72	0.51	
Campus	Mid50	67.7	18.1	31	68.4	16.8	2,621	-0.66	-0.04	
Environment	Top25	75.6	22.0	15	73.3	18.4	1,073	2.27	0.11	
All BCSSE- Responde		70.6	19.8	60	68.3	17.6	4,636	2.31	0.12	

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¹ Low25=Lower Quartile; Mid50=Interquartiles; Top25=Upper Quartile

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

BCSSE beginning college survey of student engagement

BCSSE 2010-NSSE 2011 Participating Institutions by Carnegie Type

The following is the list of institutions by Basic Carnegie type that were included in the longitudinal analysis.¹ Baccalaureate Colleges

Meredith College

Augustana College Bucknell University Campbellsville University College of Our Lady of the Elms Concordia College Defiance College Drew University Edward Waters College Elizabethtown College Florida Southern College Georgia Gwinnett College Goucher College Grinnell College Harris-Stowe State College Hendrix College Hilbert College John Brown University Judson College King College Lane College Linfield College Luther College Lyndon State College Macon State College

Midland Lutheran College Millikin University Missouri Southern State University Mitchell College Mount Ida College Muhlenberg College Oglethorpe University Randolph-Macon College Saint Anselm College Saint Olaf College Shorter College Simons Rock College of Bard Southern Vermont College University of Maine at Presque Isle University of the Ozarks University of Wisconsin-Green Bay University of Wisconsin-Parkside Utah Valley University Voorhees College Washington and Lee University Wheaton College Whittier College William Jewell College

Master's Colleges and Universities

Alvernia College Armstrong Atlantic State University Bob Jones University California Lutheran University California Polytechnic State University-San Luis Obispo California State University-Bakersfield Calumet College of Saint Joseph Carroll College Chaminade University of Honolulu Chatham University Converse College Cumberland University Elon University Fayetteville State University Gannon University Indiana Wesleyan University Johnson State College Lewis University Lindenwood University Lipscomb University Medaille College Minnesota State University-Mankato Monmouth University Montana State University-Billings

Norfolk State University North Georgia College & State University Pacific Lutheran University Prairie View A & M University Prescott College Saint Josephs College Saint Xavier University Southern Connecticut State University Springfield College Texas A & M International University Texas A & M University-Corpus Christi Texas Southern University Towson University University of Evansville University of Houston-Victoria University of Mary University of Washington-Tacoma Campus University of Wisconsin-River Falls Wagner College Western Connecticut State University Westminster College Xavier University Xavier University of Louisiana



BCSSE 2010-NSSE 2011 Participating Institutions by Carnegie Type

Doctorate-Granting Universities

Auburn University Main Campus Clark University College of William and Mary Georgia State University Kent State University-Main Campus Oral Roberts University Pace University-New York Saint Louis University-Main Campus Seton Hall University SUNY College of Environmental Science and Forestry Texas Tech University University of Georgia University of Massachusetts-Boston University of North Carolina at Greensboro University of North Dakota-Main Campus University of St. Thomas University of St. Thomas University of Texas at Arlington, The University of West Florida, The University of Wisconsin-Madison

Other Carnegie Types

Art Institute of Washington, The California College of the Arts Carnegie Mellon, Qatar Campus

Canadian Institutions

University of Guelph University of Prince Edward Island York University Lyme Academy College of Fine Arts Menlo College University of California-Merced Wentworth Institute of Technology