



Beginning College Survey of Student Engagement

BCSSE 2009 Codebook

Please note the following:

1. Invalid responses and non-responses are coded as missing “.” in the data file.
2. Changes to the BCSSE questionnaire and/or data file from the previous year are identified by the following:
 - ~ **One** asterisk (*) denotes a variable that has been revised slightly from last year.
 - ~ **Two** asterisks (**) denote a variable that has been revised significantly from last year and given a new name.
 - ~ **Three** asterisks (***) denote a new variable.



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Item #	Variable	Variable Label	Response Values and Labels
		Please print your student ID number in the box below. (Students completing survey online are asked to provide their school email if they do not know their Student ID.)	
	bstudid		
	lastname	Please print (enter) the first three letters of your <u>last name</u> :	
	tksrvy	You are taking this survey:	1 = Before attending orientation 2 = While attending orientation 3 = After attending orientation 4 = Not applicable, not attending orientation
	postcode	Please write in (enter) the 5-digit ZIP code (postal code) of your home during your last year of high school.	
HIGH SCHOOL EXPERIENCES			
1.	hgradyr	Please write in (enter) the year you graduated from high school (for example, "2009"):	
	hgradyr_r*	Recoded response to high school graduation year variable <i>hgradyr</i> .	1 = 2006 or earlier 2 = 2007 3 = 2008 4 = 2009
2.	htype	From which type of high school did you graduate? (Select only one.)	1 = Public 2 = Private, religiously-affiliated 3 = Private, independent 4 = Home school 5 = Other (e.g., GED)



<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Response Values and Labels</i>
3.	hgrades	What were most of your high school grades? (Select only one.)	1 = C- or lower 2 = C 3 = C+ 4 = B- 5 = B 6 = B+ 7 = A- 8 = A 9 = Grades not used
Question 4: To date, in which of the following math classes did you earn a passing grade?			
4a.	halg***	Algebra II	
4b.	hprecalc	Pre-calculus/Trigonometry	1 = Did not pass 2 = Passed
4c.	hcalc	Calculus	9 = Did not take
4d.	hstats	Probability or Statistics	
Question 5: During <u>high school</u>, how many years of the following subjects did you complete?			
5a.	heng	English/Literature	0 = 0 years
5b.	hmath	Math	1 = 1 year
5c.	hsci	Science	2 = 2 years
5d.	hhist	History/Social Sciences	3 = 3 years
5e.	hforlan	Foreign language	4 = 4 years 5 = 5 or more years
Question 6: During <u>high school</u>, how many of the following types of <u>classes</u> did you complete?			
6a.	hapcl	Advanced Placement (AP) classes	0 = 0 classes 1 = 1 class
6b.	hhonor	Honors classes (not AP) taught at your high school	2 = 2 classes 3 = 3 classes
6c.	hcoll***	College courses for credit	4 = 4 classes 5 = 5 or more classes



<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Response Values and Labels</i>
Question 7: During your <u>last year of high school</u>, about how much reading and writing did you do?			
7a.	hreadasg	Assigned reading (textbooks or other course materials)	
7b.	hreadown***	Books read on your own (not assigned) for personal enjoyment or academic enrichment	1 = None
7c.	hwrite5	Writing short papers or reports (5 or fewer pages)	2 = Very little
7d.	hwrite5m	Writing longer papers or reports (more than 5 pages)	3 = Some
			4 = Quite a bit
			5 = Very much
Question 8: During your <u>last year of high school</u>, about how many <u>hours</u> did you spend in a typical 7-day week doing each of the following?			
8a.	hacadpr	Preparing for class (studying, doing homework, rehearsing, etc.)	1 = 0 hours per week
8b.	hwork	Working for pay (before or after school, weekends)	2 = 1-5 hours per week
8c.	hcocurr	Participating in co-curricular activities (arts, clubs, athletics, etc.)	3 = 6-10 hours per week
8d.	hsocial	Relaxing and socializing (watching TV, partying, etc.)	4 = 11-15 hours per week
			5 = 16-20 hours per week
			6 = 21-25 hours per week
			7 = 26-30 hours per week
			8 = More than 30 hours per week
Question 9: During your <u>last year of high school</u>, about how often did you do each of the following?			
9a.	hclquest	Asked questions in class or contributed to class discussions	
9b.	hclpre	Made a class presentation	
9c.	hclunpre	Came to class without completing readings or assignments	
9d.	hfacgrad	Discussed grades or assignments with a teacher	1 = Never
9e.	hclassgr	Worked with other students on projects during class	2 = Sometimes
9f.	hocgrp	Worked with classmates outside of class to prepare class assignments	3 = Often
9g.	hrewropa	Prepared two or more drafts of a paper or assignment before turning it in	4 = Very often
9h.	hdivrstu	Had serious conversations with students of a different race or ethnicity than your own	

* Slight revision from last year; ** Significant revision from last year so new variable name created; *** New variable



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9i.	hfacidea	Discussed ideas from your readings or classes with teachers outside of class	
9j.	hooceidea	Discussed ideas from your readings or classes with others outside of class (students, family members, etc.)	1 = Never 2 = Sometimes 3 = Often 4 = Very often
9k.	hfacplan	Talked with a counselor, teacher, or other staff member about college or career plans	
9l.	hdiffstu	Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values	
9m.	hmisssch	Missed a day of school	
<hr/>			
10.	hsatact	Did you take the SAT and/or ACT?	1 = No 2 = Yes
<hr/>			
If yes, please write your scores below (as best you remember):			
	hsatcr	SAT: Critical Reading	
	hsatmr	SAT: Mathematical Reasoning	SAT (possible range = 200-800)
	hsatwr	SAT: Writing	ACT (possible range = 1-36)
	hact	ACT: Composite	
<hr/>			
	sat_act	SAT Composite Score (SAT scores or ACT scores converted to SAT scale)	
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	sat_actr	Recode of SAT Composite Score variable <i>sat_act</i> into categories	1 = 900 or lower 2 = 901-1000 3 = 1001-1100 4 = 1101-1200 5 = 1201-1300 6 = 1301-1400 7 = 1401-1600
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<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Response Values and Labels</i>
Question 11: During your <u>high school years</u>, how involved were you in the following activities at your school or elsewhere?			
11a.	hinvarts	Performing or visual arts programs (band, chorus, theater, art, etc.)	
11b.	hinvathl	Athletic teams (varsity, junior varsity, club sport, etc.)	
11c.	hstugov	Student government	
11d.	hinvpubs	Publications (student newspaper, yearbook, etc.)	1 = Not involved 2 = 2 3 = 3 4 = 4 5 = 5 6 = Highly involved
11e.	hinvhono	Academic honor societies	
11f.	hinvaccl	Academic clubs (debate, mathematics, science, etc.)	
11g.	hinvvocl	Vocational clubs (business, health, technology, etc.)	
11h.	hrelgrp	Religious youth groups	
11i.	hvolntr***	Community service or volunteer work	
			1 = Not at all challenging 2 = 2 3 = 3 4 = 4 5 = 5 6 = Extremely challenging
12.	hacachal	Overall, how academically challenging was your high school?	



<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Response Values and Labels</i>
COLLEGE EXPERIENCES			
Question 13: During the <u>coming school year</u>, about how many <u>hours</u> do you think you will spend in a typical 7-day week doing each of the following?			
13a.	cacadpr	Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	1 = 0 hours per week 2 = 1-5 hours per week
13b.	cwork	Working for pay on- or off-campus	3 = 6-10 hours per week 4 = 11-15 hours per week
13c.	ccocurr	Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	5 = 16-20 hours per week 6 = 21-25 hours per week 7 = 26-30 hours per week
13d.	csocial	Relaxing or socializing (watching TV, partying, etc.)	8 = More than 30 hours per week
Question 14: During the <u>coming school year</u>, about how often do you expect to do each of the following?			
14a.	cclquest	Ask questions in class or contribute to class discussions	
14b.	cclprese	Make a class presentation	
14c.	cintegra	Work on a paper or project that requires integrating ideas or information from various sources	
14d.	cclassgr	Work with other students on projects during class	1 = Never 2 = Sometimes
14e.	cocccgr	Work with classmates outside of class to prepare class assignments	3 = Often 4 = Very often
14f.	cintidea	Put together ideas or concepts from different courses when completing assignments or during class discussions	
14g.	cfacgrad	Discuss grades or assignments with an instructor	
14h.	cfacidea	Discuss ideas from your readings or classes with faculty members outside of class	
14i.	cfacfeed	Receive prompt feedback from faculty on your academic performance (written or oral)	



<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Response Values and Labels</i>
Question 14: (cont.) During the <u>coming school year</u>, about how often do you expect to do each of the following?			
14j.	cfacothe	Work with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)	
14k.	coocidea	Discuss ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)	
14l.	cdivrstu	Have serious conversations with students of a different race or ethnicity than your own	1 = Never
14m.	cothrvie	Try to better understand someone else's views by imagining how an issue looks from his or her perspective	2 = Sometimes
14n.	cchngvie	Learn something that changes the way you understand an issue or idea	3 = Often
14o.	cdiffstu	Have serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values	4 = Very often
Question 15: During the <u>coming school year</u>, how certain are you that you will do the following?			
15a.	cotherint	Study when there are other interesting things to do	
15b.	cfindinfo	Find additional information for course assignments when you don't understand the material	1 = Not at all certain
15c.	ccourdis	Participate regularly in course discussions, even when you don't feel like it	2 = 2
15d.	caskinst	Ask instructors for help when you struggle with course assignments	3 = 3
15e.	cfinish	Finish something you have started when you encounter challenges	4 = 4
15f.	cstaypos	Stay positive, even when you do poorly on a test or assignment	5 = 5
			6 = Very certain



<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Response Values and Labels</i>
Question 16: During the <u>coming school year</u>, how difficult do you expect the following to be?			
16a.	clearnma	Learning course material	
16b.	cmantime	Managing your time	1 = Not at all difficult
16c.	cpaycoll	Paying college expenses	2 = 2
16d.	cgethelp	Getting help with school work	3 = 3
16e.	cmakefr	Making new friends	4 = 4
16f.	cintfac	Interacting with faculty	5 = 5
			6 = Very difficult
Question 17: How prepared are you to do the following in your academic work at this college?			
17a.	cgnwrite	Write clearly and effectively	
17b.	cgnspeak	Speak clearly and effectively	
17c.	cgnanaly	Think critically and analytically	1 = Not at all prepared
17d.	cgnquant	Analyze math or quantitative problems	2 = 2
17e.	cgncompt	Use computing and information technology	3 = 3
17f.	cgnother	Work effectively with others	4 = 4
17g.	cgningq	Learn effectively on your own	5 = 5
			6 = Very prepared



<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Response Values and Labels</i>
Question 18: How important is it to you that your college or university provides each of the following?			
18a.	cenvscho	A challenging academic experience	
18b.	cenvsupr	Support to help you succeed academically	1 = Not important
18c.	cenvdivr	Opportunities to interact with students from different economic, social, and racial or ethnic backgrounds	2 = 2 3 = 3 4 = 4
18d.	cenvnaca	Assistance coping with your non-academic responsibilities (work, family, etc.)	5 = 5 6 = Very important
18e.	cenvsoca	Support to help you thrive socially	
18f.	cenveven	Opportunities to attend campus events and activities	
Question 19: About how much of your college expenses (tuition, fees, books, room & board) this year will be provided by each of the following sources?			
19a.	cschgr	Scholarships and grants	1 = None
19b.	cstudlo	Student loans	2 = Less than half
19c.	cparfam	Parents/family	3 = Half or more
19d.	cself	Self (work on-campus or off-campus, savings)	4 = All or nearly all 9 = Do not know
20.	cpell	Did you receive a Federal Pell Grant?	1 = No 2 = Yes 9 = Do not know
21.	cgrades	What do you expect most of your grades will be at this college during the coming year? (Select only one.)	1 = C- or lower 2 = C 3 = C+ 4 = B- 5 = B 6 = B+ 7 = A- 8 = A 9 = Grades not used



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22.	cintgrad	Do you intend to graduate from <u>this college</u> ?	1 = No 2 = Yes 9 = Uncertain
23.	chighdeg	What is the highest academic degree that you intend to obtain at this <u>or any</u> college? (Select only one.)	1 = Associate's degree (A.A., A.S., etc.) 2 = Bachelor's degree (B.A., B.S., etc.) 3 = Master's degree (M.A., M.S., etc.) 4 = Doctoral degree (Ph.D., M.D., J.D., etc.) 9 = Uncertain

ADDITIONAL INFORMATION

24.	cmonth***	What month are you completing this survey?	1=Jan 2=Feb 3=Mar 4=Apr 5=May 6=Jun 7=Jul 8=Aug 9=Sep 10=Oct 11=Nov 12=Dec
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Item #	Variable	Variable Label	Response Values and Labels	
25.	cmajor	Do you know what your major will be?	1 = No 2 = Yes	
	cmajor2	Specify: (Write-in provided for variable <i>cmajor</i>).		
	xmajcod1 (<i>cmajor2</i> recoded into one of the 85 majors at right)	<p>Arts and Humanities</p> <p>1=Art, fine and applied 2=English (language and literature) 3=History 4=Journalism 5=Language and literature (except English) 6=Music 7=Philosophy 8=Speech 9=Theater or drama 10=Theology or religion 11=Other arts & humanities</p> <p>Biological Sciences</p> <p>12=Biology (general) 13=Biochemistry or biophysics 14=Botany 15=Environmental science 16=Marine (life) science 17=Microbiology or bacteriology 18=Zoology 19=Other biological science</p> <p>Business</p> <p>20=Accounting 21=Business administration (general) 22=Finance 23=International business 24=Marketing 25=Management 26=Other business</p> <p>Education</p> <p>27=Business education 28=Elementary/middle school education</p>	<p>29=Music or art education 30=Physical education or recreation 31=Secondary education 32=Special education 33=Other education</p> <p>Engineering</p> <p>34=Aero-/astronautical engineering 35=Civil engineering 36=Chemical engineering 37=Electrical or electronic engineering 38=Industrial engineering 39=Materials engineering 40=Mechanical engineering 41=General/other engineering</p> <p>Physical Science</p> <p>42=Astronomy 43=Atmospheric science (including meteorology) 44=Chemistry 45=Earth science (including geology) 46=Mathematics 47=Physics 48=Statistics 49=Other physical science</p> <p>Professional</p> <p>50=Architecture 51=Urban Planning 52=Health technology (medical, dental, laboratory) 53=Law 54=Library/archival science 55=Medicine 56=Dentistry 57=Veterinarian</p>	<p>58=Nursing 59=Pharmacy 60=Allied health/other medical 61=Therapy (occupational, physical, speech) 62=Other professional</p> <p>Social Science</p> <p>63=Anthropology 64=Economics 65=Ethnic studies 66=Geography 67=Political science (including govt., int'l relations) 68=Psychology 69=Social work 70=Sociology 71=Gender studies 72=Other social science</p> <p>Other</p> <p>73=Agriculture 74=Communications 75=Computer science 76=Family studies 77=Natural resources and conservation 78=Kinesiology 79=Criminal justice 80=Military science 81=Parks, recreation, leisure studies, sports mgmt 82=Public administration 83=Technical/vocational 84=Other field</p> <p>85=Undecided</p>



<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Response Values and Labels</i>
			1 = Arts and Humanities 2 = Biological Sciences 3 = Business 4 = Education 5 = Engineering
	xmajrcol	Recoded variable <i>xmajcod1</i> into one of ten major categories.	6 = Physical Science 7 = Professional 8 = Social Science 9 = Other 10 = Undecided
26.	cenrlmen	Are you, or will you be, a full-time student this fall term?	1 = No 2 = Yes
27.	cfriends	How many of your <u>close</u> friends will attend this college during the coming year?	1 = None 2 = 1 3 = 2 4 = 3 5 = 4 or more
28.	csex	Your sex:	1 = Male 2 = Female
29.	cinterna	Are you an international student or foreign national?	1 = No 2 = Yes
30.	crace	What is your racial or ethnic identification? (Select only one.)	1 = American Indian or other Native American 2 = Asian, Asian American, or Pacific Islander 3 = Black or African American 4 = White (non-Hispanic) 5 = Mexican or Mexican American 6 = Puerto Rican 7 = Other Hispanic or Latino 8 = Multiracial 9 = Other 10 = I prefer not to respond



<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Response Values and Labels</i>
Question 31: Please indicate whether your parents completed a 4-year college degree.			
31a.	cmothred	Parent's education: Mother (or guardian)	1 = Did not complete 4-year degree 2 = Completed 4-year degree
31b.	cfathred	Parent's education: Father (or guardian)	9 = Do not know
	cfirstgen	First-generation student (Recoded parent education information provided; student indicated neither parent completed 4-year degree)	0 = No 1 = Yes
32	cdistanc	How far is your home from this college?	1 = 20 miles or less 2 = 21-50 miles 3 = 51-100 miles 4 = 101-200 miles 5 = 201-400 miles 6 = More than 400 miles



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Item #	Variable	Variable Label	Response Values and Labels
<i>BCSSE Scale scores are the mean of the component items after all individual item values have been converted to 0-10 point scales.</i>			
HS_acad		High School Academic Engagement Scale (HSE) Engagement in educationally relevant behaviors during the last year of high school. (Computed for students responding to at least 7 of the 12 items in this scale.)	hreadasg, hwrite5, hwrite5m, hacadpr, hclquest, hclprese, hfacgrad, hclassgr, hoccgrp, hrewropa, hfacidea, hoocidea
Exp_acad		Expected Academic Engagement Scale (EAE) Expected engagement in educationally relevant behaviors during the first year of college. (Computed for students responding to at least 6 of the 8 items in this scale.)	cacadpr, cclquest, cclprese, cfacgrad, cclassgr, coccgrp, cfacidea, coocidea
Acad_per		Expected Academic Perseverance Scale (EAP) Student certainty that they will persist in the face of academic adversity. (Computed for students responding to at least 4 of the 6 items in this scale.)	cotherint, cfindinfo, ccourdis, caskinst, cfinish, cstaypos
Acad_diff		Expected Academic Difficulty Scale (EAD) Expected academic difficulty during the first year of college. (Computed for students responding to at least 3 of the 4 items in this scale.)	clearnma, cmantime, cgethelp, cintfac
Acad_prep		Perceived Academic Preparation Scale (PAP) Student perception of their academic preparation. (Computed for students responding to at least 4 of the 7 items in this scale.)	cgnwrite, cgnspeak, cgnanaly, cgnquant, cgncompt, cgnother, cgningq
Imp_env		Importance of Campus Environment Scale (ICE) Student-rated importance that the institution provides a challenging and supportive environment. (Computed for students responding to at least 4 of the 6 items in this scale.)	cenvscho, cenvsupr, cenvdivr, cenvnaca, cenvsoca, cenveven
MISCELLANEOUS INFORMATION			
bsurvid		BCSSE survey ID number	
bmodecmp		Mode of survey completion	1 = Paper 2 = Web 3 = Mixed mode
bversion		Questionnaire version (e.g., Standard U.S., Canadian)	1 = Standard 2 = Canadian (English)
bduraton		Survey duration	