



BCSSE 2023 - NSSE 2024 Combined Report

School Name	UNITID
California State University, Chico	110538

The BCSSE 2023-NSSE 2024 Combined Report summarizes the detailed information contained in your BCSSE and NSSE administrations, including survey details, cross-sectional results, longitudinal results, and participating institutions. This report is also available in your BCSSE Dashboard account. In the dashboard, you can view your institutional results and also create summary results by institutional characteristics for all other participating BCSSE-NSSE schools. Contact your BCSSE Campus Project Manager or email bcsse@iu.edu for more information.

Report Sections

Cross-Sectional Results (pages 3 - 10)

The cross-sectional results present item-by-item student responses and mean comparisons from your BCSSE and NSSE administrations. All respondents are included *whether they completed one or both surveys*, providing the best estimates of your students' precollege experiences and their engagement during the first year. With cross-sectional results displayed side-by-side, you can identify areas of correspondence and gaps in engagement for better understanding of the first-year student experience.

The cross-sectional results include the following sections:

1. Student expected major and first-year major, as well as student high school, expected, and actual first-year grades (all student-reported)
2. Item frequencies and means for BCSSE Scales and NSSE Engagement Indicators
3. Item frequencies and means for how students spend their time in a typical week

Longitudinal Results (pages 11 - 17)

The longitudinal results compare BCSSE and NSSE data only *for students who completed both surveys*. Means for BCSSE Scales and NSSE Engagement Indicators are grouped by expectations for grades, expectations for studying, and whether the expectations were met.

The longitudinal results include the following sections:

4. Student expected major and first-year major, as well as student high school, expected, and actual first-year grades (all student-reported)
5. BCSSE Scale and NSSE Engagement Indicator gaps
6. Gaps for how students expected to spend their time and how they actually did so in a typical week

Participating Institutions (page 18)

A complete list of institutions that participated in both BCSSE 2023 and NSSE 2024. In your BCSSE Dashboard account, summary results by institutional characteristics for all other participating BCSSE-NSSE schools are available. Contact your BCSSE Campus Project Manager or email bcsse@iu.edu for more information.

BCSSE Scales and NSSE Engagement Indicators

Five BCSSE Scales and their corresponding NSSE Engagement Indicators are included in the cross-sectional and longitudinal sections, providing valuable information about distinct aspects of student engagement. These include Quantitative Reasoning, Learning Strategies, Student-Faculty Interaction, Collaborative Learning, and Discussions with Diverse Others.

Each BCSSE Scale is a combination of three to four items and is constructed using the same approach as the NSSE Engagement Indicators. Each scale is scored on a range from 0 to 60. First, component items are converted to a 60-point scale (e.g., never=0, sometimes=20, often=40, and very often=60), and then averaged to create student-level scores. An institution's score is the average of the students' scores. Student-level scores for both the BCSSE Scales and NSSE indicators are included in your BCSSE-NSSE combined data file.

For more information about BCSSE, visit bcsse.iu.edu.

For more information about the Engagement Indicators, see your [NSSE Engagement Indicators](#) report.

The cross-sectional results include all respondents from BCSSE and NSSE, *whether they completed one or both surveys*. Your entering first-year students completed BCSSE last summer or shortly after fall classes started, and they completed NSSE this past winter or spring. The counts in the bottom row of each table below reflect all the data available from first-year student respondents. High school, expected, and actual first-year grades, as well as expected and first-year major are all self-reported. See your the Respondent Profile in your NSSE Institutional Report and Demographic and Background Characteristics in your BCSSE dashboard reports for more details regarding the student backgrounds and profile.

The cross-sectional results include the following sections:

1. Student expected major and first-year major, as well as student high school, expected, and actual first-year grades
2. Student time use: Expectations and experiences
3. Item frequencies and means for BCSSE Scales and NSSE Engagement Indicators (unweighted)

1. Student Major and Grades

Major

Metrics	Expected first-year (BCSSE)	Actual first-year (NSSE)
Arts & Humanities	11%	9%
Biological Science, Agriculture, & Natural Resources	12%	9%
Business	12%	22%
Communications, Media, & Public Relations	2%	1%
Education	5%	4%
Engineering	6%	3%
Health Professions	16%	21%
Physical Science, Mathematics, & Computer Science	5%	8%
Social Sciences	15%	9%
Social Service Professions	0%	7%
Other majors (not categorized)	17%	7%
Count	337	76

Grades

Metrics	High school (BCSSE)	Expected first-year (BCSSE)	Actual first-year (NSSE)
A	41%	21%	18%
A-	10%	21%	22%
B+	21%	31%	15%
B	19%	22%	18%
B-	6%	4%	8%
C+	3%	1%	6%
C or lower	0%	0%	13%
Count	433	413	72

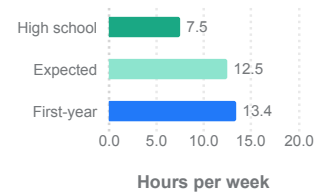
2. Student Time Use: Expectations and Experiences

(See the [BCSSE](#) and [NSSE](#) websites for more details regarding these items.)

Hours in a typical 7-day week preparing for class

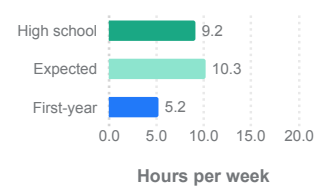
	Count	0	1-5	6-10	11-15	16+	Total
a. High school (BCSSE)	458	3%	46%	29%	10%	12%	100%
b. Expected (BCSSE)	440	1%	14%	28%	25%	32%	100%
c. First-year (NSSE)	76	0%	18%	30%	16%	36%	100%

Mean hours per week



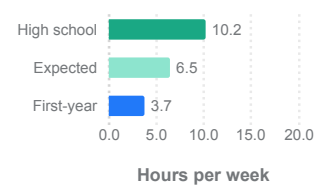
Hours in a typical 7-day week working for pay

	Count	0	1-5	6-10	11-15	16+	Total
a. High school (BCSSE)	454	39%	9%	12%	10%	29%	100%
b. Expected (BCSSE)	438	26%	12%	18%	11%	33%	100%
c. First-year (NSSE)	74	69%	5%	5%	5%	9%	100%



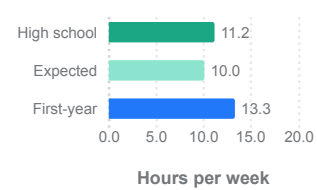
Hours in a typical 7-day week participating in co-curricular activities

	Count	0	1-5	6-10	11-15	16+	Total
a. High school (BCSSE)	453	15%	27%	18%	13%	26%	100%
b. Expected (BCSSE)	439	22%	35%	22%	10%	11%	100%
c. First-year (NSSE)	75	45%	28%	19%	5%	3%	100%



Hours in a typical 7-day week relaxing and socializing

	Count	0	1-5	6-10	11-15	16+	Total
a. High school (BCSSE)	458	1%	24%	31%	21%	23%	100%
b. Expected (BCSSE)	438	1%	24%	37%	20%	17%	100%
c. First-year (NSSE)	76	3%	24%	21%	18%	34%	100%



3. Item Frequencies and Means for BCSSE Scales and NSSE Engagement Indicators

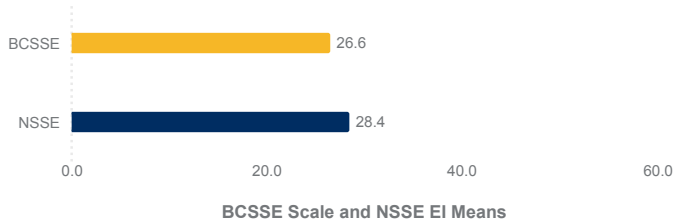
BCSSE Scales

(See the [BCSSE Scales and Psychometric Report](#) for additional information.)

NSSE Engagement Indicators

(See [NSSE Engagement Indicators](#) for additional information.)

Quantitative Reasoning ⓘ



Quantitative Reasoning ⓘ

Scale and EI	Count	Mean	StDev
BCSSE Scale	412	26.6	14.33
NSSE Engagement Indicator	85	28.4	14.44

BCSSE - During the coming school year, about how often do you expect to do the following?

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	458	2.5	0.88	14%	35%	38%	12%	100%
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	456	2.3	0.89	10%	27%	44%	19%	100%
c. Evaluated what others have concluded from numerical information	456	2.2	0.85	7%	24%	47%	21%	100%

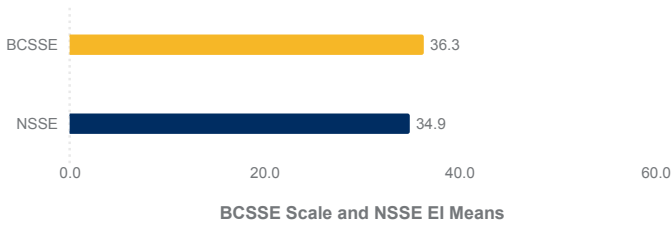
NSSE - During the current school year, about how often have you done the following?

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	89	2.5	0.81	13%	34%	46%	7%	100%
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	87	2.4	0.85	9%	33%	43%	15%	100%
c. Evaluated what others have concluded from numerical information	85	2.4	0.84	9%	34%	42%	14%	100%

3. Item Frequencies and Means for BCSSE Scales and NSSE Engagement Indicators

(continued)

High School Learning Strategies ⓘ



High School Learning Strategies ⓘ

Scale and EI	Count	Mean	StDev
BCSSE Scale	412	36.3	13.05
NSSE Engagement Indicator	82	34.9	14.02

BCSSE - During the coming school year, about how often do you expect to do the following?

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. Identified key information from reading assignments	456	3.0	0.77	25%	49%	24%	3%	100%
b. Reviewed your notes after class	456	2.8	0.89	23%	36%	34%	7%	100%
c. Summarized what you learned in class or from course materials	456	2.7	0.84	20%	40%	34%	6%	100%

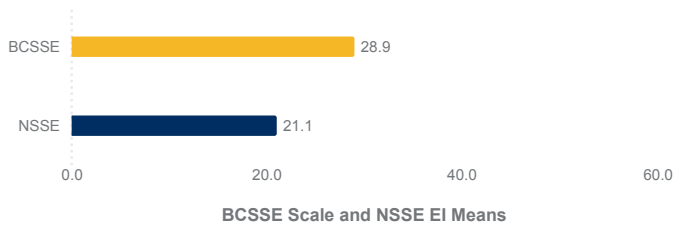
NSSE - During the current school year, about how often have you done the following?

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. Identified key information from reading assignments	82	2.9	0.72	18%	50%	30%	1%	100%
b. Reviewed your notes after class	82	2.7	0.91	21%	34%	35%	10%	100%
c. Summarized what you learned in class or from course materials	82	2.7	0.83	20%	38%	38%	5%	100%

3. Item Frequencies and Means for BCSSE Scales and NSSE Engagement Indicators

(continued)

Student-Faculty Interaction ⓘ



Student-Faculty Interaction ⓘ

Scale and EI	Count	Mean	StDev
BCSSE scale	414	28.9	13.92
NSSE Engagement Indicator	109	21.1	14.78

BCSSE - During the coming school year, about how often do you expect to do the following? ⓘ

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. Talk about career plans with a faculty member	439	2.6	0.81	16%	35%	44%	5%	100%
b. Work with a faculty member on activities other than coursework (committees, student groups, etc.)	439	2.3	0.85	10%	30%	45%	15%	100%
c. Discuss course topics, ideas, or concepts with a faculty member outside of class	438	2.4	0.83	10%	29%	49%	12%	100%
d. Discuss your academic performance with a faculty member	438	2.5	0.80	13%	33%	47%	7%	100%

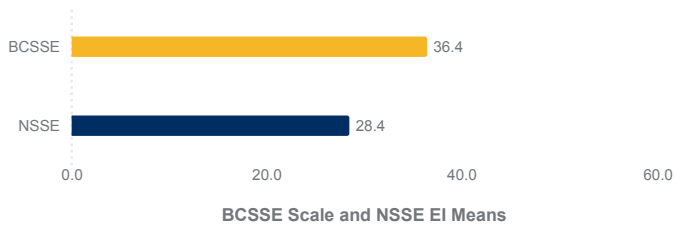
NSSE - During the current school year, about how often have you had discussions with people from the following groups? ⓘ

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. Talked about career plans with a faculty member	113	2.2	0.86	10%	20%	50%	19%	100%
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	112	1.8	0.90	5%	18%	32%	45%	100%
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	109	1.9	0.82	3%	23%	40%	34%	100%
d. Discussed your academic performance with a faculty member	109	2.2	0.87	8%	24%	46%	22%	100%

3. Item Frequencies and Means for BCSSE Scales and NSSE Engagement Indicators

(continued)

Collaboration with Peers ⓘ



Collaboration with Peers ⓘ

Scale and EI	Count	Mean	StDev
BCSSE scale	412	36.4	12.21
NSSE Engagement Indicator	141	28.4	12.59

BCSSE - During the coming school year, about how often do you expect to do the following?

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. Ask another student to help you understand course material	438	2.8	0.76	20%	45%	33%	2%	100%
b. Explain course material to one or more students	438	2.6	0.72	11%	45%	40%	3%	100%
c. Prepare for exams by discussing or working through course material with other students	438	2.9	0.78	23%	43%	32%	2%	100%
d. Work with other students on course projects or assignments	437	3.0	0.73	24%	51%	23%	2%	100%

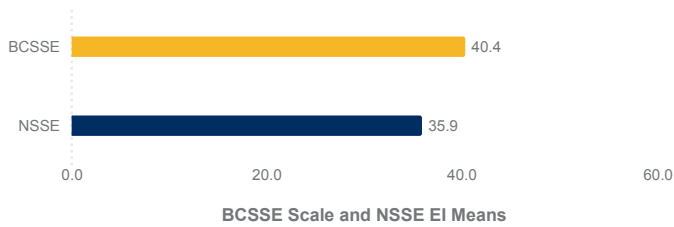
NSSE - During the current school year, about how often have you had discussions with people from the following groups?

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. Ask another student to help you understand course material	149	2.4	0.81	11%	31%	48%	10%	100%
b. Explain course material to one or more students	148	2.5	0.80	11%	33%	47%	8%	100%
c. Prepare for exams by discussing or working through course material with other students	145	2.2	0.85	9%	23%	49%	19%	100%
d. Work with other students on course projects or assignments	141	2.6	0.85	15%	40%	35%	9%	100%

3. Item Frequencies and Means for BCSSE Scales and NSSE Engagement Indicators

(continued)

Discussions with Diverse Others ⓘ



Discussions with Diverse Others ⓘ

Scale and EI	Count	Mean	StDev
BCSSE scale	414	40.4	13.95
NSSE Engagement Indicator	81	35.9	14.32

BCSSE - During the coming school year, about how often do you expect to do the following? ⓘ

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. People of a race or ethnicity other than your own	439	3.2	0.77	38%	43%	17%	2%	100%
b. People from an economic background other than your own	439	3.2	0.76	37%	45%	16%	2%	100%
c. People with religious beliefs other than your own	439	3.0	0.82	31%	42%	24%	3%	100%
d. People with political views other than your own	438	2.9	0.85	30%	39%	27%	4%	100%
e. People with sexual orientations other than your own*	439	3.0	0.89	33%	38%	23%	6%	100%
f. People from countries other than your own*	438	2.8	0.88	27%	35%	34%	5%	100%

3. Item Frequencies and Means for BCSSE Scales and NSSE Engagement Indicators

(continued)

NSSE - During the current school year, about how often have you had discussions with people from the following groups? ⓘ

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. People of a race or ethnicity other than your own	83	2.9	0.87	29%	39%	28%	5%	100%
b. People from an economic background other than your own	81	3.0	0.77	23%	52%	21%	4%	100%
c. People with religious beliefs other than your own	82	2.7	0.87	21%	39%	33%	7%	100%
d. People with political views other than your own	82	2.6	0.85	15%	43%	33%	10%	100%
e. People with sexual orientations other than your own*	81	2.8	0.87	21%	41%	31%	7%	100%
f. People from countries other than your own*	82	2.5	0.84	13%	33%	44%	10%	100%

BCSSE 2023 - NSSE 2024 Combined Report

Longitudinal Results

The longitudinal results compare BCSSE and NSSE data only *for students who completed both surveys*. Means for BCSSE Scales and NSSE Engagement Indicators are grouped by expectations for grades, expectations for studying, and whether the expectations were met. High school, expected, and actual first-year grades, as well as expected and first-year major are all self-reported. The student backgrounds and profile can be further investigated using your BCSSE-NSSE longitudinal data file.

The longitudinal results include the following sections:

1. Student expected major and first-year major, as well as student high school, expected, and actual first-year grades
2. BCSSE and NSSE Engagement Indicator means and group frequencies
3. BCSSE Scale and NSSE Engagement Indicator gaps
4. Gaps for how students expected to spend their time and how they actually did so in a typical week

1. Student Majors and Grades

Major			Grades			
Metrics	Expected first-year (BCSSE)	Actual first-year (NSSE)	Metrics	High school (BCSSE)	Expected first-year (BCSSE)	Actual first-year (NSSE)
Arts & Humanities	17%	7%	A	31%	15%	25%
Biological Sciences, Agriculture, & Natural Resources	4%	4%	A-	22%	12%	21%
Business	9%	30%	B+	19%	35%	18%
Communications, Media, & Public Relations	4%	0%	B	19%	35%	4%
Education	0%	0%	B-	8%	3%	7%
Health Professions	26%	22%	C+	0%	0%	7%
Engineering	13%	4%	C or lower	0%	0%	18%
Physical Sciences, Mathematics, & Computer Science	4%	7%	Count	36	34	28
Social Sciences	4%	0%				
Social Service Professions	0%	15%				
Undecided/Undeclared	0%	11%				
All other	17%	0%				
Count	23	27				

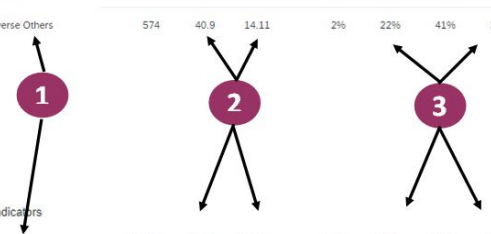
2. Interpreting BCSSE Scale and NSSE Engagement Indicators

The sample results below are a guide to interpret the results on page 13.

1. **Scale and Engagement Indicators:** This table reports your longitudinal results for BCSSE Scales and NSSE Engagement Indicators (EI).
2. **BCSSE Scales and NSSE Engagement Indicator Means:** The counts, means, and standard deviations for each scale and engagement indicator. Scores for both the BCSSE Scales and NSSE Engagement Indicators range from 0 to 60, with increasing values indicating increasing expected engagement (BCSSE) and actual engagement (NSSE).
2. **BCSSE Scale and NSSE Engagement Indicators Groupings:** BCSSE and NSSE respondents are assigned to one of four groups (0-15, 16-30, etc.) based on their BCSSE Scale and NSSE Engagement Indicator scores.

BCSSE Scales									
BCSSE_Scales	Count	Mean	StDev	0-15	16-30	31-45	46-60	Total %	
a. Quantitative Reasoning	582	27.0	14.31	22%	36%	32%	9%	100%	
b. Learning Strategies	584	35.7	13.74	7%	28%	41%	25%	100%	
c. Collaborative Learning	576	33.1	12.13	5%	44%	38%	12%	100%	
d. Student-Faculty Interaction	576	28.5	13.02	15%	49%	28%	8%	100%	
e. Discussions with Diverse Others	574	40.9	14.11	2%	22%	41%	35%	100%	

NSSE Engagement Indicators									
NSSE_EIs	Count	Mean	StDev	0-15	16-30	31-45	46-60	Total %	
Quantitative Reasoning	578	32.5	16.29	12%	34%	36%	18%	100%	
Learning Strategies	575	38.6	14.54	3%	23%	45%	29%	100%	
Collaborative Learning	650	31.0	16.83	17%	37%	29%	16%	100%	
Student-Faculty Interaction	607	26.3	16.79	31%	34%	24%	12%	100%	
Discussions with Diverse Others	578	38.3	16.47	8%	26%	38%	29%	100%	



2. BCSSE Scale and NSSE Engagement Indicators

BCSSE Scales

BCSSE_Scales	Count	Mean	StDev	0-15	16-30	31-45	46-60	Total %
a. Quantitative Reasoning	35	25.7	16.11	26%	37%	20%	17%	100%
b. Learning Strategies	35	34.3	13.06	9%	29%	37%	26%	100%
c. Collaborative Learning	35	32.3	13.54	9%	37%	43%	11%	100%
d. Student-Faculty Interaction	35	26.9	15.86	26%	40%	20%	14%	100%
e. Discussions with Diverse Others	35	41.1	13.71	0%	23%	46%	31%	100%

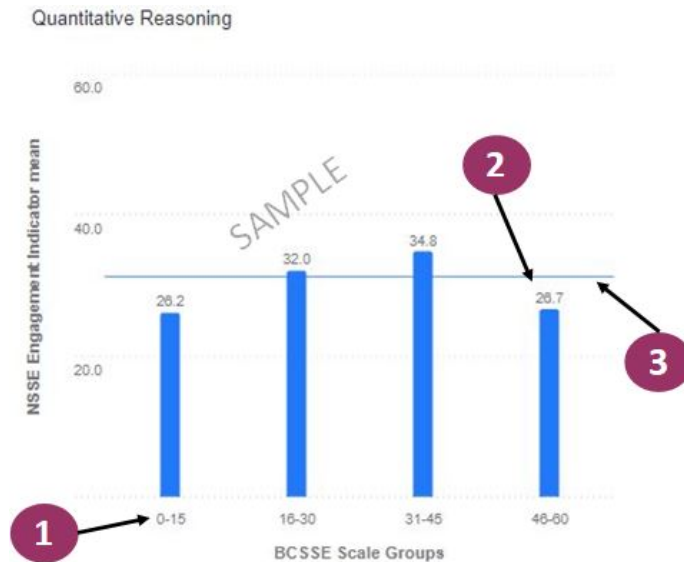
NSSE Engagement Indicators

NSSE_EIs	Count	Mean	StDev	0-15	16-30	31-45	46-60	Total %
a. Quantitative Reasoning	28	27.4	16.25	18%	43%	29%	11%	100%
b. Learning Strategies	29	33.1	15.27	14%	31%	28%	28%	100%
c. Collaborative Learning	40	27.6	12.35	18%	50%	28%	5%	100%
d. Student-Faculty Interaction	33	23.0	12.12	36%	33%	30%	0%	100%
e. Discussions with Diverse Others	29	37.8	14.24	3%	34%	38%	24%	100%

Interpreting BCSSE Scale and NSSE Engagement Indicator Gaps

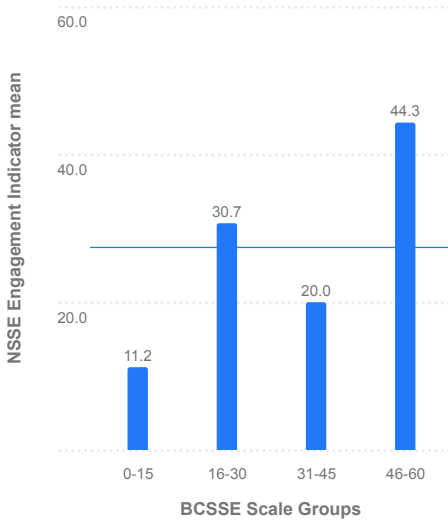
The sample results below are a guide to interpret the results on page 15.

- BCSSE Scale Groupings:** BCSSE respondents are assigned to one of four groups (0-15, 16-30, etc.) based on their BCSSE Scale scores. BCSSE Scales are scored from 0 to 60, with increasing values indicating increasing engagement.
- NSSE Engagement Indicator Means:** The columns display the NSSE EI mean for each BCSSE group. The graph reveals potential gaps between BCSSE Scale scores and NSSE EI scores. For instance, in the sample below, entering first-year students with high school Quantitative Reasoning scores between 46-60 averaged 26.7 on NSSE months later, below the overall mean.
- Overall NSSE Engagement Indicator Mean:** The horizontal line represents the mean EI score for all longitudinal respondents from your institution.

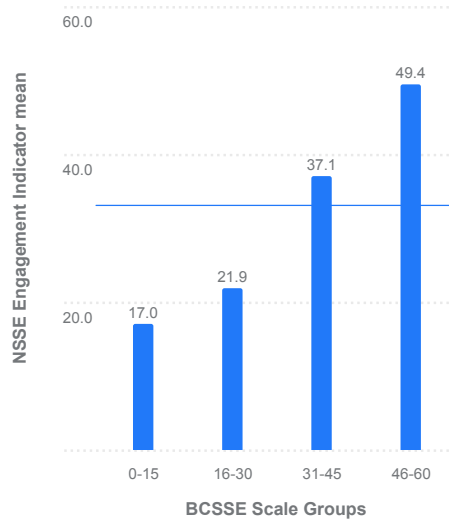


Interpreting BCSSE Scale and NSSE Engagement Indicator Gaps

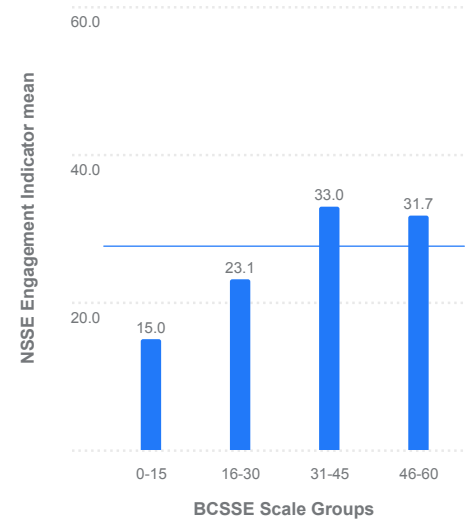
Quantitative Reasoning



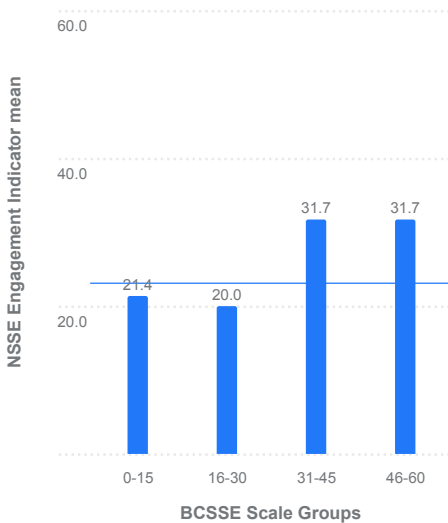
Learning Strategies



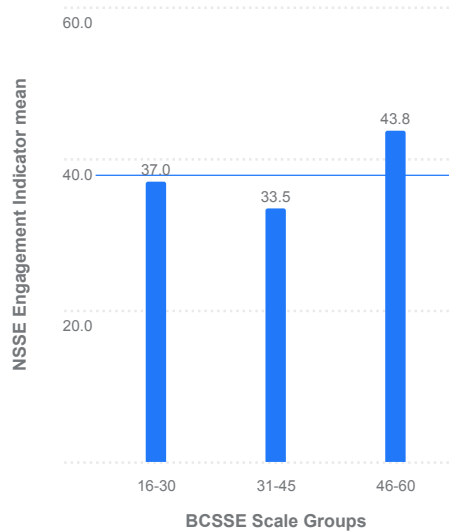
Collaborative Learning



Student-Faculty Interaction



Discussions with Diverse Others



Interpreting Student Time Use: Expectations and Experiences

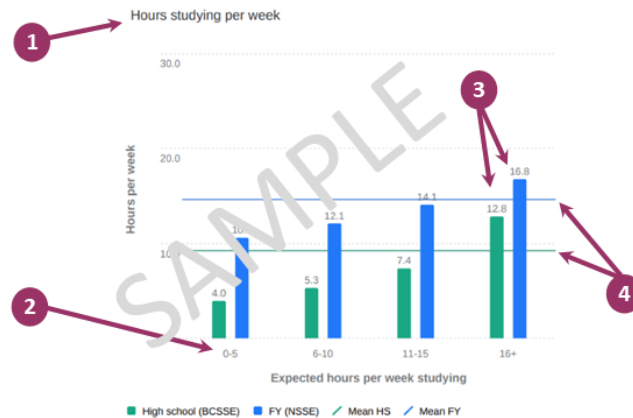
The sample results below are a guide to interpret the results on page 17.

1. Student Time Use Activity: These graphs include the items that indicate how students expected to and spent their time in a typical week. The counts for each group (0-5, 6-10, etc.) can be found in the BCSSE Dashboard, the online version of these reports.

2. BCSSE Expected Hours Groupings: BCSSE respondents are organized into one of four groups (0-5, 6-10, etc.) based on their expected hours per week in the activity.

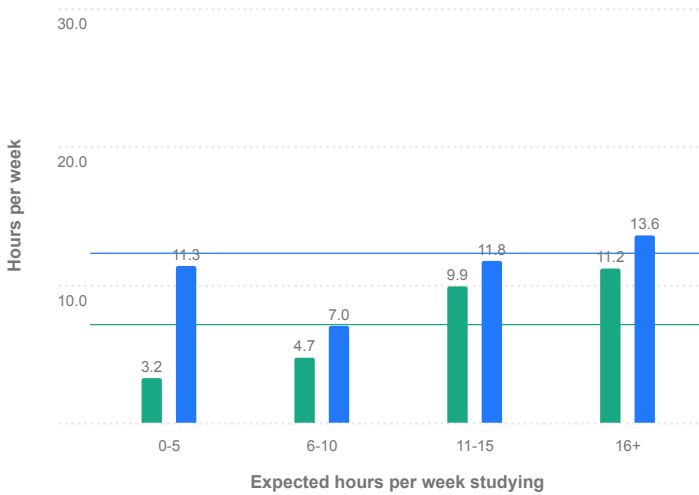
3. High School and First-Year Mean Hours per Week: The columns display the high school (BCSSE) and first-year (NSSE) mean for hours week in each activity. The graph reveals potential gaps between high school and first-year means with expected hours per week. For instance, in the sample below, entering first-year students who expected to study 16 or more hours per week during their first year studied an average of 12.8 hours per week in high school, well above the overall high school average (green line). These students also studied an average of 16.8 hours per week during during the first year, higher than the overall first-year average (blue line). Students in this group on average met their expectation of studying 16 or more hours per week.

4. Overall High School and First-Year Mean: The horizontal green line line represents the mean hours per week studying in high school and the blue line represents the mean hours per week studying during their first year for your respondents.

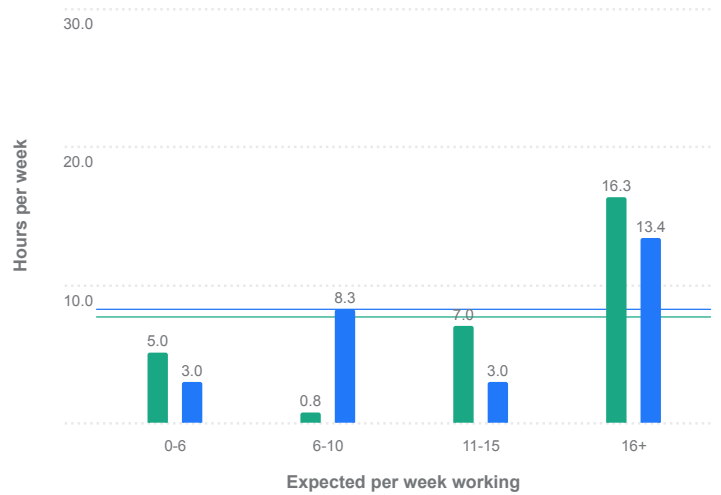


3. Student Time Use: Expectations and Experiences

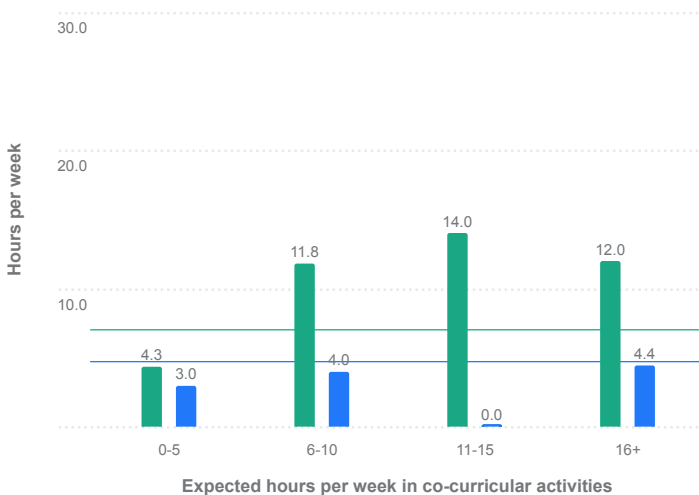
Hours studying per week



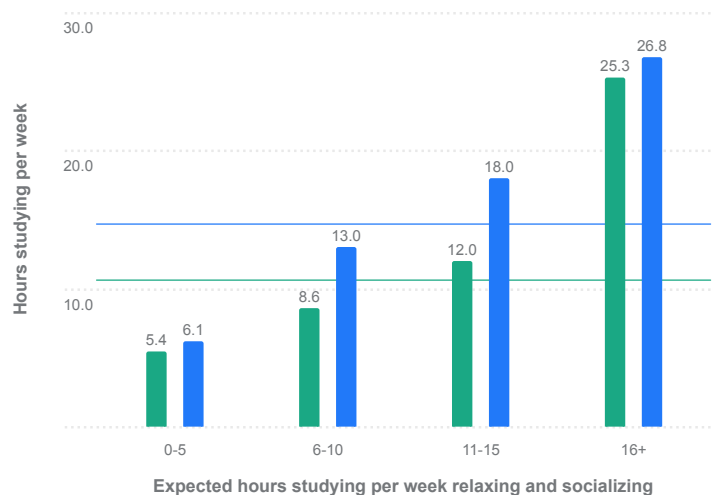
Hours working per week



Hours in co-curricular activities per week



Hours relaxing/socializing per week



Below is the list of institutions that participated in both BCSSE 2023 and NSSE 2024. In your BCSSE Dashboard account, summary results by institutional characteristics for all other participating BCSSE-NSSE schools are available. Contact your BCSSE Campus Project Manager or email bcsse@indiana.edu for more information.

Baccalaureate - Granting Universities

Bridgewater College
California State University Maritime Academy
Holy Cross College at Notre Dame, IN
Luther College
Newberry College
Pitzer College
Reed College
University of the Ozarks
Ursinus College
West Virginia Wesleyan College
Whittier College
Wisconsin Lutheran College

Masters - Granting Universities

Alcorn State University
Bentley University
Bryant University
California State University-Bakersfield
California State University-Chico
California State University-Dominguez Hills
California State University-Northridge
California State University-Sacramento
California State University-San Marcos
Calvin University
Curry College
Framingham State University
Holy Family University
Indiana University-South Bend
Keuka College
Mount Saint Mary's University
Neumann University
Nicholls State University
Purdue University Northwest
Ramapo College of New Jersey
Rocky Mountain College
San Jose State University
University of Mobile
Washington Adventist University

Doctorate - Granting Universities

California State University-Fresno
California State University-Fullerton
Indiana University-Bloomington
Stockton University
Suffolk University
The University of Tennessee-Chattanooga
The University of Texas at Arlington
The University of Texas Rio Grande Valley
University of Maryland-Baltimore County
University of North Carolina at Charlotte
Western Kentucky University