



BCSSE 2023 - NSSE 2024 Combined Report

School Name	UNITID
California State University, Sacramento	110617

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	9%	7%
Biological Science, Agriculture, & Natural Resources	5%	8%
Business	12%	12%
Communications, Media, & Public Relations	1%	1%
Education	4%	2%
Engineering	14%	10%
Health Professions	27%	22%
Physical Science, Mathematics, & Computer Science	9%	8%
Social Sciences	7%	16%
Social Service Professions	0%	7%
Other majors (not categorized)	10%	7%
Count	384	212

Grades

Metrics	High school (BCSSE)	Expected first-year (BCSSE)	Actual first-year (NSSE)
A	55%	28%	30%
A-	11%	22%	24%
B+	16%	27%	12%
B	14%	17%	17%
B-	3%	6%	7%
C+	1%	1%	3%
C or lower	0%	0%	6%
Count	448	418	208

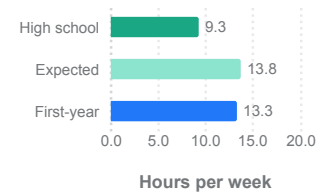
2. Student Time Use: Expectations and Experiences

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

Hours in a typical 7-day week preparing for class

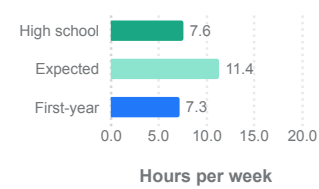
	Count	0	1-5	6-10	11-15	16+	Total
a. High school (BCSSE)	479	1%	34%	35%	13%	16%	100%
b. Expected (BCSSE)	440	0%	11%	28%	25%	36%	100%
c. First-year (NSSE)	209	1%	14%	26%	24%	35%	100%

Mean hours per week



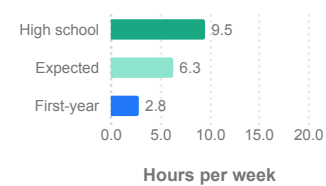
Hours in a typical 7-day week working for pay

	Count	0	1-5	6-10	11-15	16+	Total
a. High school (BCSSE)	475	47%	10%	10%	10%	23%	100%
b. Expected (BCSSE)	440	19%	11%	18%	15%	36%	100%
c. First-year (NSSE)	209	57%	5%	5%	9%	21%	100%



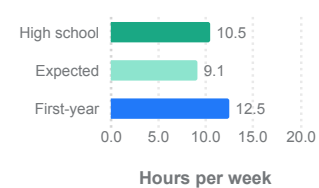
Hours in a typical 7-day week participating in co-curricular activities

	Count	0	1-5	6-10	11-15	16+	Total
a. High school (BCSSE)	476	14%	33%	19%	11%	23%	100%
b. Expected (BCSSE)	440	18%	38%	24%	12%	8%	100%
c. First-year (NSSE)	209	58%	26%	7%	4%	5%	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)	477	1%	33%	28%	17%	21%	100%
b. Expected (BCSSE)	439	2%	32%	36%	16%	14%	100%
c. First-year (NSSE)	209	1%	23%	26%	19%	30%	100%



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

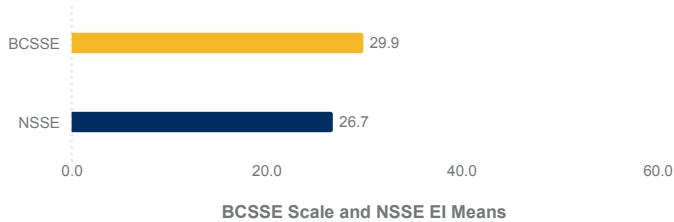
BCSSE Scales

(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	417	29.9	14.90
NSSE Engagement Indicator	229	26.7	15.66

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.)	478	2.7	0.89	20%	38%	33%	9%	100%
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	478	2.4	0.89	13%	30%	42%	15%	100%
c. Evaluated what others have concluded from numerical information	477	2.3	0.85	9%	31%	44%	16%	100%

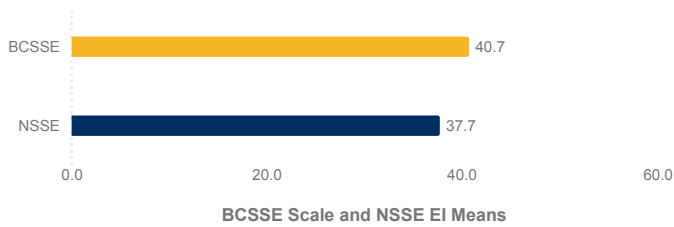
NSSE - During the current school year, about how often have you done the following?

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.)	234	2.5	0.87	14%	32%	42%	12%	100%
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	231	2.2	0.95	14%	18%	46%	22%	100%
c. Evaluated what others have concluded from numerical information	230	2.3	0.88	10%	27%	45%	18%	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	415	40.7	12.40
NSSE Engagement Indicator	219	37.7	13.68

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	477	3.2	0.73	36%	47%	16%	1%	100%
b. Reviewed your notes after class	475	3.0	0.86	32%	36%	29%	4%	100%
c. Summarized what you learned in class or from course materials	476	2.9	0.86	30%	37%	29%	4%	100%

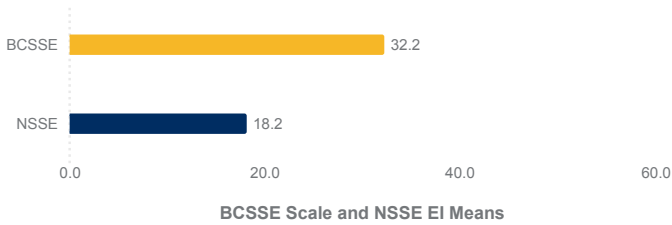
NSSE - During the current school year, about how often have you done the following?

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. Identified key information from reading assignments	220	3.0	0.74	25%	50%	23%	2%	100%
b. Reviewed your notes after class	224	2.9	0.87	28%	37%	31%	4%	100%
c. Summarized what you learned in class or from course materials	223	2.8	0.85	22%	39%	34%	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	416	32.2	14.05
NSSE Engagement Indicator	250	18.2	13.63

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	2.8	0.83	24%	35%	38%	3%	100%
b. Work with a faculty member on activities other than coursework (committees, student groups, etc.)	439	2.4	0.85	13%	30%	46%	11%	100%
c. Discuss course topics, ideas, or concepts with a faculty member outside of class	438	2.5	0.86	15%	28%	48%	9%	100%
d. Discuss your academic performance with a faculty member	439	2.8	0.80	20%	39%	38%	3%	100%

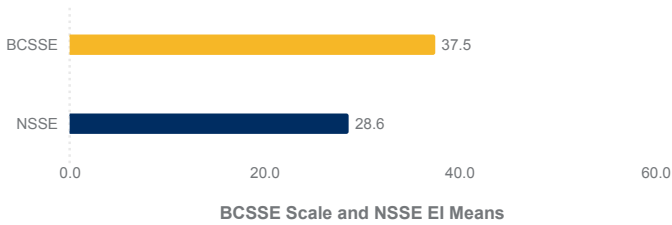
NSSE - During the current school year, about how often have you had discussions with people from the following groups? ⓘ

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. Talked about career plans with a faculty member	260	2.2	0.86	8%	24%	47%	21%	100%
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	256	1.6	0.85	5%	9%	29%	56%	100%
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	251	1.8	0.85	5%	16%	39%	41%	100%
d. Discussed your academic performance with a faculty member	252	2.0	0.85	6%	18%	46%	30%	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	416	37.5	12.58
NSSE Engagement Indicator	285	28.6	12.82

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	440	2.8	0.81	24%	37%	37%	2%	100%
b. Explain course material to one or more students	439	2.7	0.77	16%	36%	45%	3%	100%
c. Prepare for exams by discussing or working through course material with other students	440	3.0	0.79	28%	45%	25%	3%	100%
d. Work with other students on course projects or assignments	439	3.0	0.76	30%	44%	25%	1%	100%

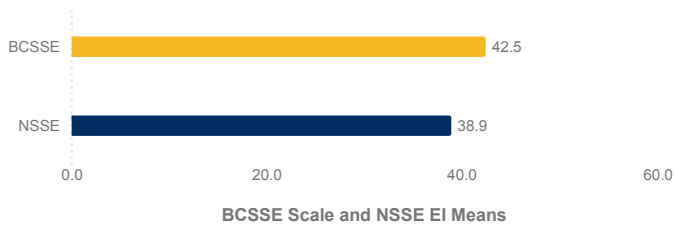
NSSE - During the current school year, about how often have you had discussions with people from the following groups?

Items	Count	Mean	StDev	Very often	Often	Sometimes	Never	Total
a. Ask another student to help you understand course material	287	2.4	0.89	14%	26%	47%	13%	100%
b. Explain course material to one or more students	290	2.5	0.80	12%	33%	48%	8%	100%
c. Prepare for exams by discussing or working through course material with other students	288	2.2	0.88	8%	27%	42%	23%	100%
d. Work with other students on course projects or assignments	288	2.6	0.80	14%	40%	40%	6%	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	416	42.5	13.31
NSSE Engagement Indicator	226	38.9	15.74

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	3.3	0.74	46%	40%	13%	1%	100%
b. People from an economic background other than your own	438	3.2	0.73	40%	44%	15%	1%	100%
c. People with religious beliefs other than your own	438	3.1	0.81	37%	42%	18%	3%	100%
d. People with political views other than your own	438	3.0	0.83	30%	39%	28%	3%	100%
e. People with sexual orientations other than your own*	441	3.0	0.89	35%	37%	22%	6%	100%
f. People from countries other than your own*	438	3.0	0.82	33%	39%	25%	2%	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	228	3.2	0.88	45%	31%	21%	4%	100%
b. People from an economic background other than your own	226	3.0	0.90	37%	37%	21%	6%	100%
c. People with religious beliefs other than your own	227	3.0	0.96	38%	27%	29%	7%	100%
d. People with political views other than your own	227	2.6	0.94	22%	26%	41%	11%	100%
e. People with sexual orientations other than your own*	225	2.8	0.96	30%	30%	31%	9%	100%
f. People from countries other than your own*	226	2.8	0.99	33%	23%	35%	8%	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	15%	7%	A	69%	34%	39%
Biological Sciences, Agriculture, & Natural Resources	6%	11%	A-	9%	25%	16%
Business	8%	5%	B+	12%	26%	12%
Communications, Media, & Public Relations	3%	0%	B	10%	14%	12%
Education	5%	4%	B-	0%	0%	9%
Health Professions	27%	26%	C+	0%	2%	4%
Engineering	10%	14%	C or lower	0%	0%	9%
Physical Sciences, Mathematics, & Computer Science	6%	5%	Count	67	65	57
Social Sciences	11%	16%				
Social Service Professions	0%	5%				
Undecided/Undeclared	0%	0%				
All other	8%	7%				
Count	62	57				

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%	

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BCSSE Scales

BCSSE_Scales	Count	Mean	StDev	0-15	16-30	31-45	46-60	Total %
a. Quantitative Reasoning	65	30.4	15.47	17%	32%	29%	22%	100%
b. Learning Strategies	65	40.5	12.39	2%	20%	37%	42%	100%
c. Collaborative Learning	64	36.7	13.35	5%	39%	33%	23%	100%
d. Student-Faculty Interaction	64	32.7	16.03	16%	39%	23%	22%	100%
e. Discussions with Diverse Others	64	43.6	11.66	2%	11%	44%	44%	100%

NSSE Engagement Indicators

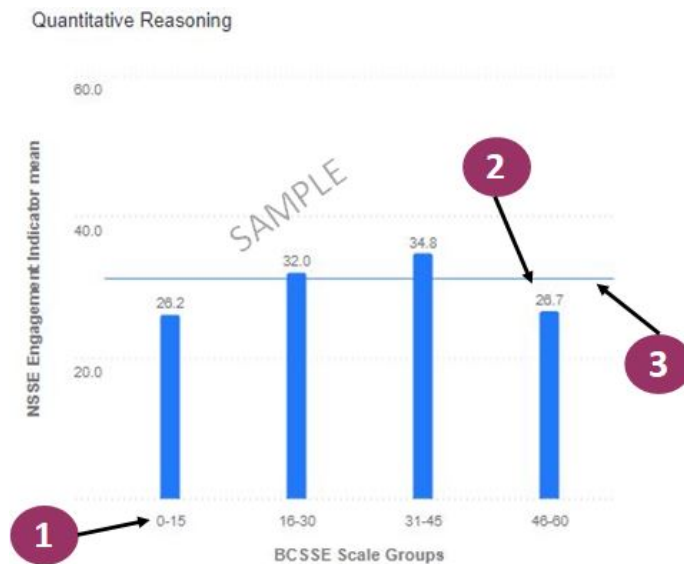
NSSE_EIs	Count	Mean	StDev	0-15	16-30	31-45	46-60	Total %
a. Quantitative Reasoning	65	26.9	15.07	22%	42%	25%	12%	100%
b. Learning Strategies	62	34.6	14.10	6%	29%	42%	23%	100%
c. Collaborative Learning	78	28.3	12.80	19%	46%	26%	9%	100%
d. Student-Faculty Interaction	72	19.8	13.96	53%	33%	7%	7%	100%
e. Discussions with Diverse Others	65	38.2	16.21	14%	22%	34%	31%	100%

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

1. **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.

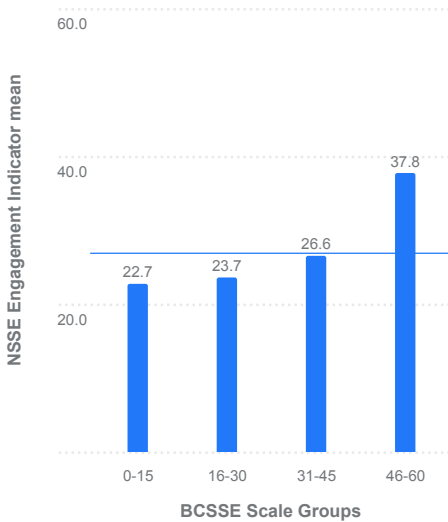
3. **NSSE Engagement Indicator Means:** The columns display the NSSE EI mean for each BCSSE group. The graph reveals potential gaps between BCSSE Scale scores and NSSE EI scores. For instance, in the sample below, entering first-year students with high school Quantitative Reasoning scores between 46-60 averaged 26.7 on NSSE months later, below the overall mean.

4. **Overall NSSE Engagement Indicator Mean:** The horizontal line represents the mean EI score for all longitudinal respondents from your institution.

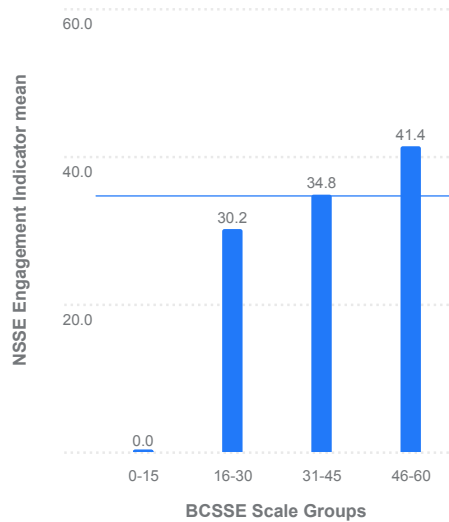


Interpreting BCSSE Scale and NSSE Engagement Indicator Gaps

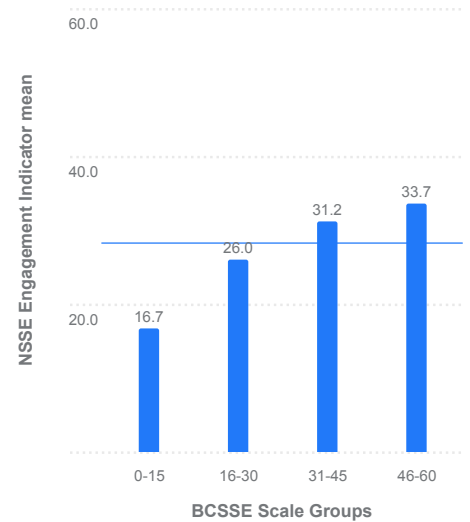
Quantitative Reasoning



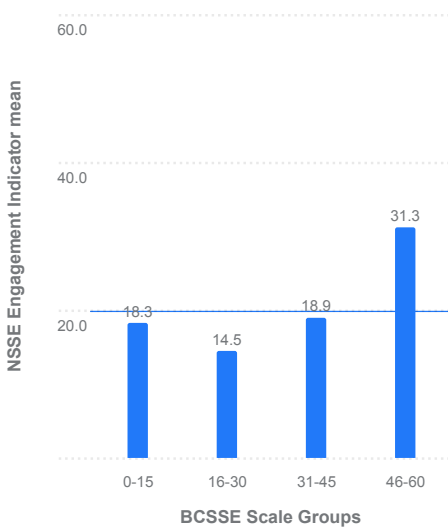
Learning Strategies



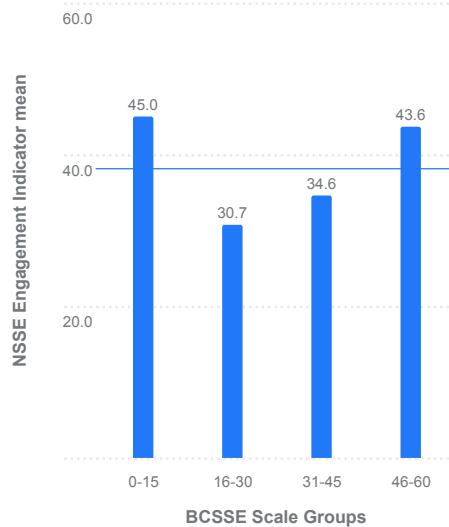
Collaborative Learning



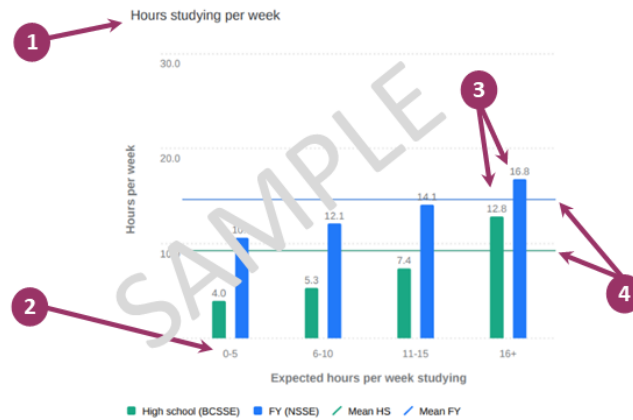
Student-Faculty Interaction



Discussions with Diverse Others

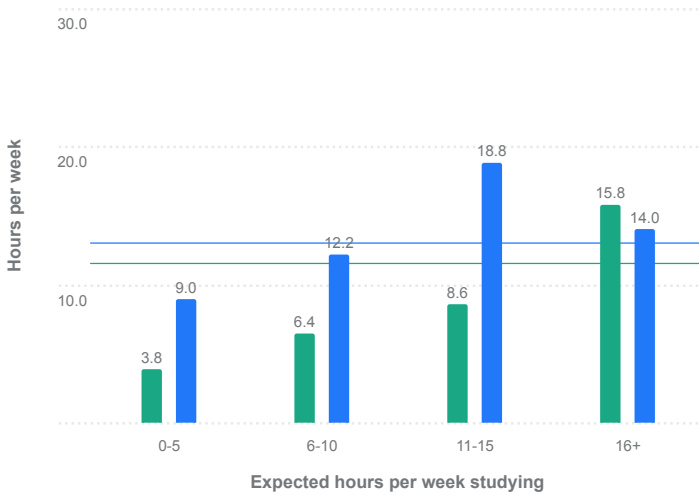


Interpreting Student Time Use: Expectations and Experiences

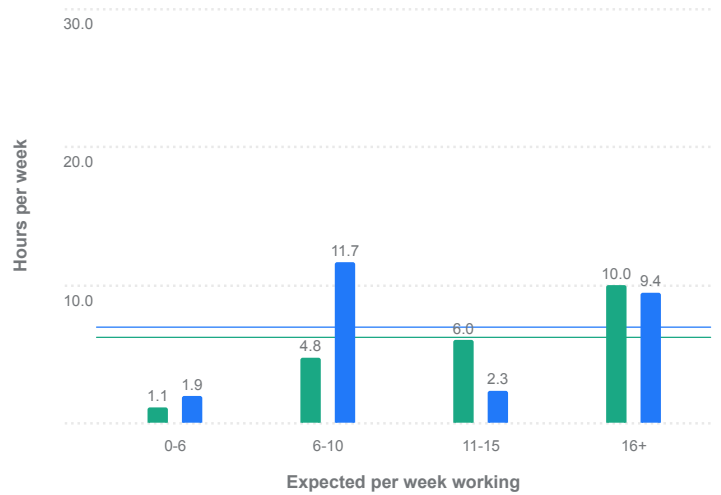


3. Student Time Use: Expectations and Experiences

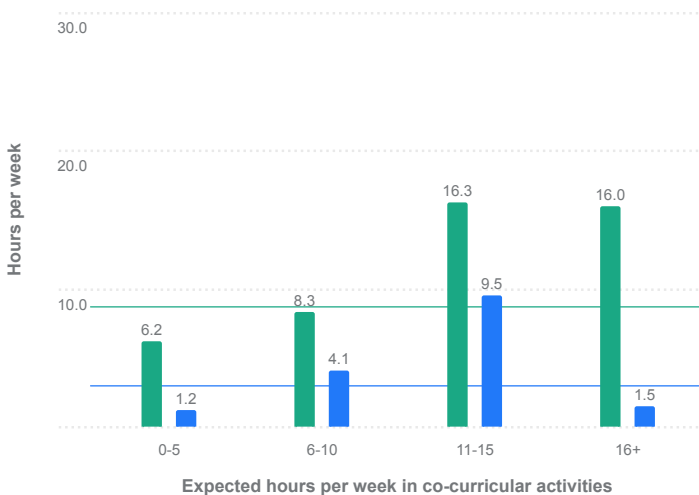
Hours studying per week



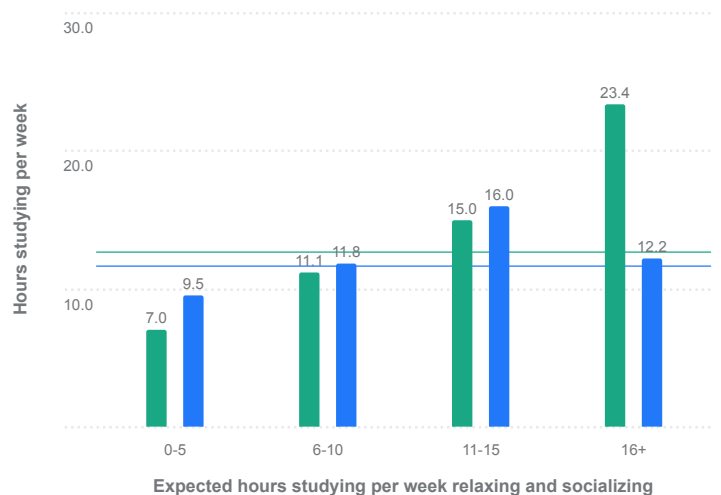
Hours working per week



Hours in co-curricular activities per week



Hours relaxing/socializing per week



■ High school (BCSSE) ■ FY (NSSE) / Mean HS / Mean FY

■ High school (BCSSE) ■ FY (NSSE) / Mean HS / Mean FY

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