BCSSE

beginning college survey
of student engagement

BCSSE 2022-NSSE 2023 Combined Report

School Name	UNITID
The University of Tennessee-Chattanooga	221740

BCSSE 2022-NSSE 2023 Combined Report
About This Report

The BCSSE 2022-NSSE 2023 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@indiana.edu for more information.

Report Sections

Cross-Sectional Results (pages 3 - 7)

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 8 - 12)

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 13)

A complete list of institutions that participated in both BCSSE 2022 and NSSE 2023. 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.

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.indiana.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

1. Student Major and Grades

Major

Metrics	Expected first-year (BCSSE)	Actual first-year (NSSE)
Arts & Humanities	12%	8%
Biological Science, Agriculture, & Natural Resources	11%	10%
Business	14%	16%
Communications, Media, & Public Relations	1%	3%
Education	6%	6%
Engineering	9%	5%
Health Professions	15%	20%
Physical Science, Mathematics, & Computer Science	5%	4%
Social Sciences	8%	14%
Social Service Professions	3%	6%
Other majors (not categorized)	15%	8%
Count	501	529

Grades

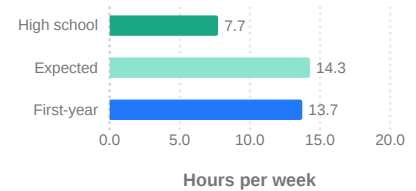| Metrics	High school (BCSSE)	Expected first-year (BCSSE)	Actual first-year (NSSE)
A	64%	28%	31%
A-	10%	25%	17%
B+	14%	23%	19%
B	9%	17%	19%
B-	1%	5%	6%
C+	1%	2%	3%
C or lower	0%	1%	5%
Count	565	509	526

2. Student Time Use: Expectations and Experiences

(See the BCSSE and NSSE websites for more details regarding these items.)
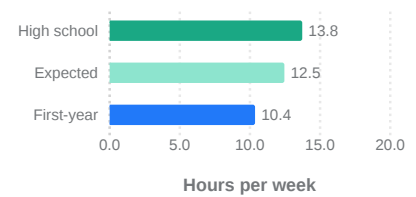
Hours in a typical 7-day week preparing for class

	Count	0	1-5	6-10	11-15	16+	Total
a. High school (BCSSE)	596	2%	45%	29%	13%	11%	100%
b. Expected (BCSSE)	544	0%	4%	28%	29%	38%	100%
c. First-year (NSSE)	535	0%	14%	24%	23%	38%	100%

Mean hours per week

High school	7.7
Expected	14.3
First-year	13.7

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)	594	22%	8%	11%	9%	49%	100%
b. Expected (BCSSE)	543	17%	8%	18%	20%	36%	100%
c. First-year (NSSE)	533	45%	4%	8%	8%	31%	100%

High school	13.8
Expected	12.5
First-year	10.4

Hours per week

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)	596	14%	28%	19%	13%	27%	100%
b. Expected (BCSSE)	544	11%	29%	30%	17%	12%	100%
c. First-year (NSSE)	534	35%	34%	13%	8%	9%	100%

High school	10.3
Expected	8.1
First-year	5.1

Hours per week
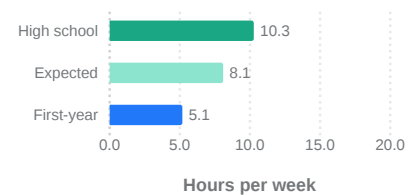
Hours in a typical 7-day week relaxing and socializing

	Count	0	1-5	6-10	11-15	16+	Total
a. High school (BCSSE)	596	1%	24%	27%	21%	27%	100%
b. Expected (BCSSE)	544	1%	18%	36%	25%	20%	100%
c. First-year (NSSE)	532	2%	20%	25%	25%	27%	100%

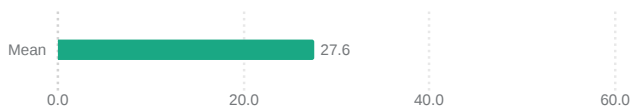|	
High school	11.7
Expected	10.9
First-year	12.0

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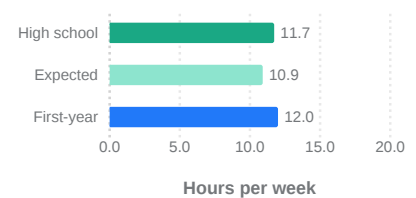
3. Item Frequencies and Means for BCSSE Scales and NSSE Engagement Indicators

BCSSE Scales

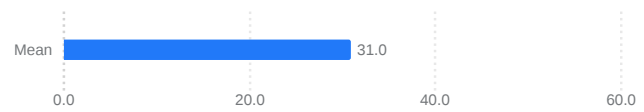(See the BCSSE Scales and Psychometric Report for additional information.)

NSSE Engagement Indicators

(See NSSE Engagement Indicators for additional information.)

High School Quantitative Reasoning

Mean   27.6

First-Year Quantitative Reasoning

Mean   31.0

During your last year of high school, about how often did you do the following?

	Count	Very often/ Often	Sometimes/ Never	Total
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	593	54%	46%	100%
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	594	36%	64%	100%

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

	Count	Very often/ Often	Sometimes/ Never	Total
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	552	58%	42%	100%
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	549	48%	52%	100%

High School Learning Strategies

Mean   37.1

First-Year Learning Strategies

Mean   38.8

During your last year of high school, about how often did you do the following?

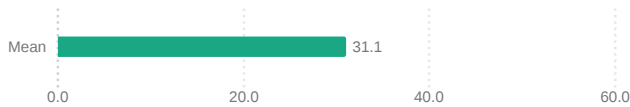|	Count	Very often/ Often	Sometimes/ Never	Total
a. Identified key information from reading assignments	590	75%	25%	100%
b. Reviewed your notes after class	588	57%	43%	100%
c. Summarized what you learned in class or from	589	61%	39%	100%

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

	Count	Very often/ Often	Sometimes/ Never	Total
a. Identified key information from reading assignments	547	72%	28%	100%
b. Reviewed your notes after class	547	68%	32%	100%
c. Summarized what you learned in class or from	546	68%	32%	100%

## 3. Item Frequencies and Means for BCSSE Scales and NSSE Engagement Indicators *(continued)*

Expected Student-Faculty Interaction

| Mean | 31.1 |
| 0.0 | 20.0 | 40.0 | 60.0 |

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

	Count	Very often/ Often	Sometimes/ Never	Total
a. Talk about career plans with a faculty member	541	57.3%	42.7%	100%
b. Work with a faculty member on activities other than coursework (committees, student groups, etc.)	542	38.6%	61.4%	100%
c. Discuss course topics, ideas, or concepts with a faculty member outside of	541	40.9%	59.1%	100%

First-Year Student-Faculty Interaction
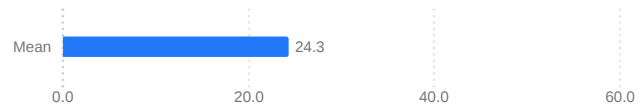
| Mean | 24.3 |
| 0.0 | 20.0 | 40.0 | 60.0 |

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

	Count	Very often/ Often	Sometimes/ Never	Total
a. Talked about career plans with a faculty member	613	51.1%	48.9%	100%
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	605	25.8%	74.2%	100%
c. Discussed course topics, ideas, or concepts with a faculty member outside of	601	30.3%	69.7%	100%

Expected Collaborative Learning

| Mean | 34.8 |
| 0.0 | 20.0 | 40.0 | 60.0 |

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

	Count	Very often/ Often	Sometimes/ Never	Total
a. Ask another student to help you understand course material	543	54.3%	45.7%	100%
b. Explain course material to one or more students	542	43.5%	56.5%	100%
c. Prepare for exams by discussing or working through course material with other students	542	72.3%	27.7%	100%

First-Year Collaborative Learning

| Mean | 30.2 |
| 0.0 | 20.0 | 40.0 | 60.0 |

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

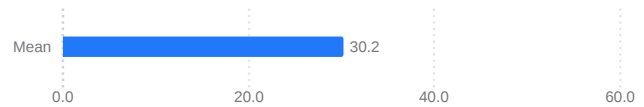|	Count	Very often/ Often	Sometimes/ Never	Total
a. Ask another student to help you understand course material	691	49.9%	50.1%	100%
b. Explain course material to one or more students	690	49.6%	50.4%	100%
c. Prepare for exams by discussing or working through course material with other students	690	42.0%	58.0%	100%

3. Item Frequencies and Means for BCSSE Scales and NSSE Engagement Indicators *(continued)*

Expected Discussions with Diverse Others

| Mean | 44.0 |

First-Year Discussions with Diverse Others

| Mean | 30.2 |

During the coming school year, about how often do you expect to have discussions with people from the following groups?

	Count	Very often/ Often	Sometimes/ Never	Total
a. People of a race or ethnicity other than your own	540	87.2%	12.8%	100%
b. People from an economic background other than your own	538	87.2%	12.8%	100%
c. People with religious beliefs other than your own	540	82.2%	17.8%	100%
d. People with political views other than your own	539	75.3%	24.7%	100%

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

	Count	Very often/ Often	Sometimes/ Never	Total
a. People of a race or ethnicity other than your own	553	72.2%	27.8%	100%
b. People from an economic background other than your own	551	72.8%	27.2%	100%
c. People with religious beliefs other than your own	552	70.3%	29.7%	100%
d. People with political views other than your own	550	65.6%	34.4%	100%

BCSSE 2022-NSSE 2023 Combined Report
Longitudinal Results

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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 Scale and NSSE Engagement Indicator gaps
3. Gaps for how students expected to spend their time and how they actually did so in a typical week

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1. Student Major and Grades

Major

Metrics	Expected first-year (BCSSE)	Actual first-year (NSSE)
Arts & Humanities	9%	8%
Biological Sciences, Agriculture, & Natural Resources	13%	12%
Business	13%	15%
Communications, Media, & Public Relations	1%	3%
Education	5%	7%
Health Professions	16%	19%
Engineering	9%	6%
Physical Sciences, Mathematics, & Computer Science	3%	4%
Social Sciences	12%	16%
Social Service Professions	3%	5%
Undecided/Undeclared	11%	4%
All other	2%	4%
Count	202	199

Grades

Metrics	High school (BCSSE)	Expected first-year (BCSSE)	Actual first-year (NSSE)
A	75%	32%	36%
A-	6%	24%	19%
B+	11%	23%	15%
B	7%	17%	18%
B-	0%	3%	4%
C+	1%	1%	2%
C or lower	0%	0%	4%
Count	212	206	201

Interpreting BCSSE Scale and NSSE Engagement Indicator Gaps

The sample results below are a guide to interpret the results on page 10.

1. **Scale and Engagement Indicator Counts:** This table reports the longitudinal counts, the number of students who completed both surveys.

2. **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. The counts for each group can be found in the BCSSE Dashboard, the online version of these reports.

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 of 25.3 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.

2. BCSSE Scale and NSSE Engagement Indicator Gaps

Scale and Engagement Indicator Counts

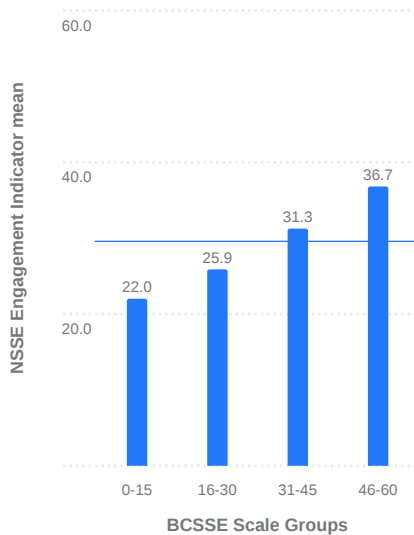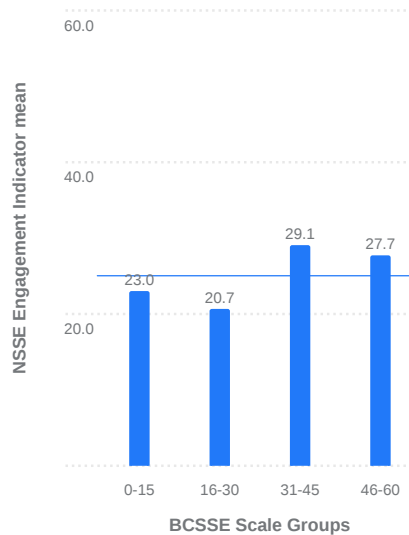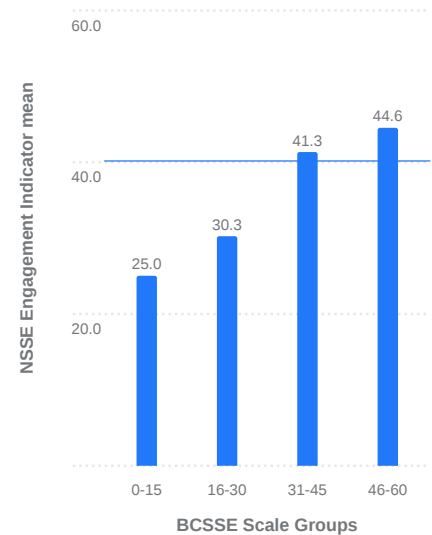|	Count
a. Quantitative Reasoning	195
b. Learning Strategies	195
c. Collaborative Learning	207
d. Student-Faculty Interaction	207
e. Discussions with Diverse Others	206

Quantitative Reasoning
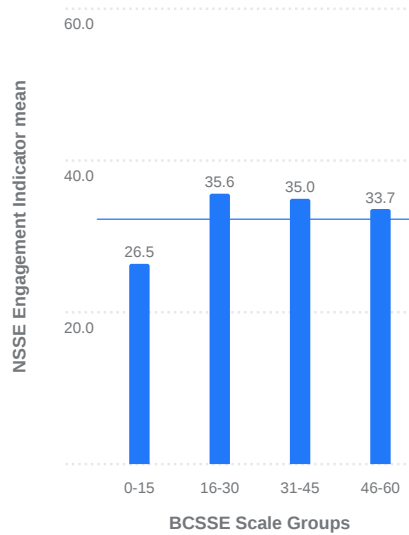
Learning Strategies
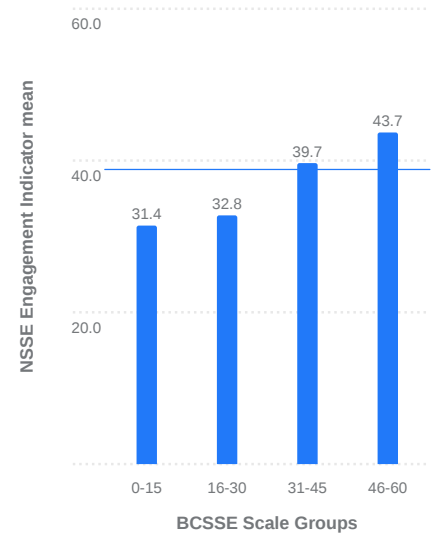
Collaborative Learning

Student-Faculty Interaction

### Discussions with Diverse Others

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Interpreting Student Time Use: Expectations and Experiences

The sample results below are a guide to interpret the results on page 12.

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.
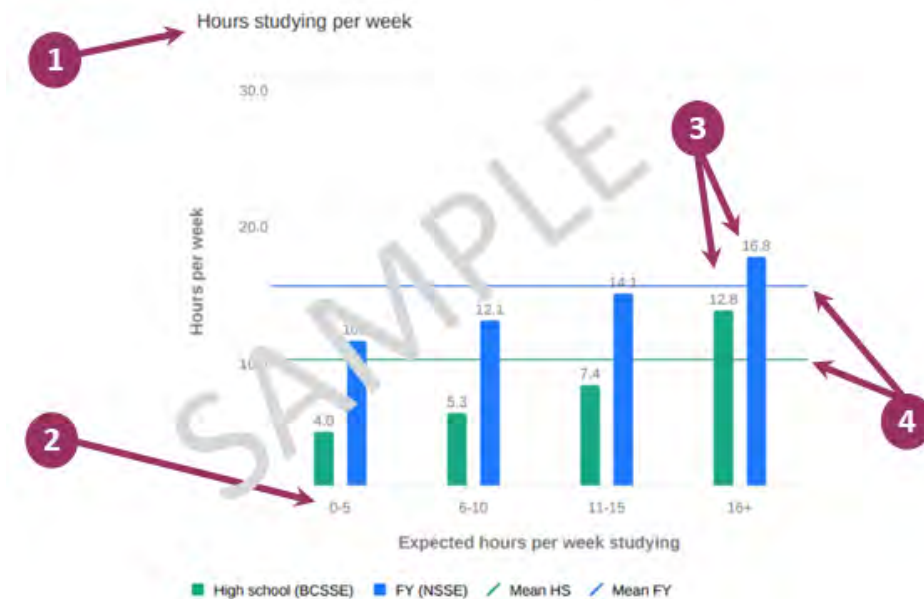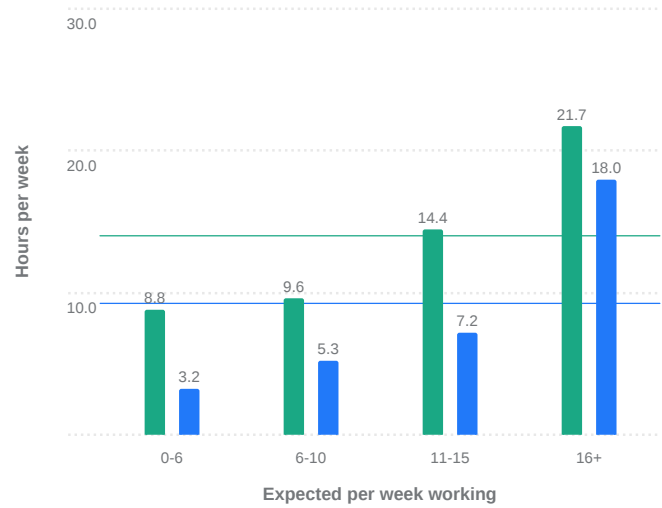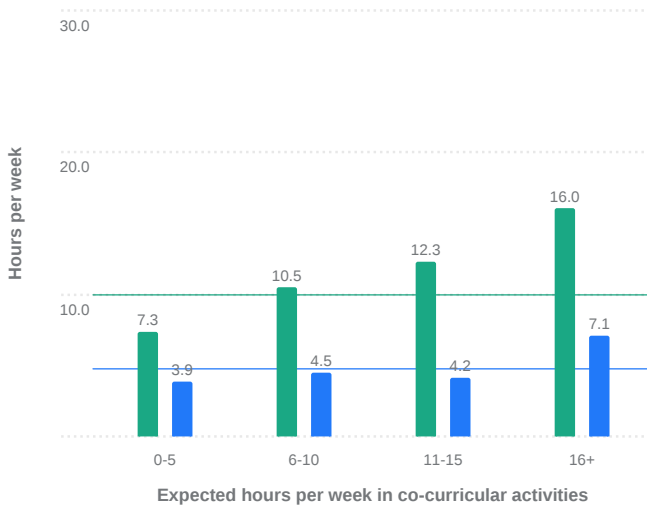
3. Student Time Use: Expectations and Experiences

Hours studying per week
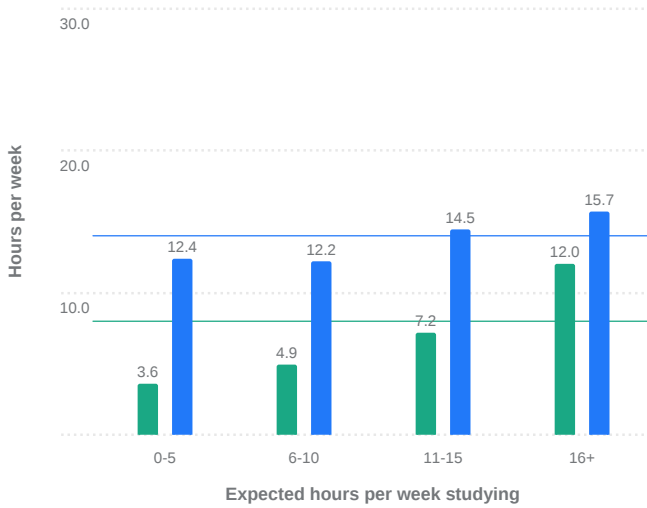
Hours working per week

Hours in co-curricular activities per week

Hours relaxing/socializing per week

BCSSE-NSSE Combined Report
Participating Institutions

Below is the list of institutions that participated in both BCSSE 2022 and NSSE 2023. 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

Alma College
Catawba College
Farmingdale State College
Goucher College
High Point University
Holy Cross College at Notre Dame, IN
Illinois College
Juniata College
Linfield University
Meredith College
Saint Anselm College
St. John's College, Annapolis
St. John's College, Santa Fe
University of Puget Sound
University of the Ozarks
Washington & Jefferson College
Wesleyan College

Masters-Granting Universities

Alcorn State University
Bentley University
Bridgewater State University
California Lutheran University
California State University-Sacramento
Central Connecticut State University
Eastern Connecticut State University
Elizabethtown College
Framingham State University
Georgian Court University
Minnesota State University-Mankato
Mount Saint Mary's University
Northern Michigan University
Northwest Missouri State University
Southern Connecticut State University
SUNY Oneonta
Washington Adventist University

Doctorate-Granting Universities

California State University-Long Beach
University of Northern Colorado
Florida A&M University
Florida Atlantic University
Illinois State University
University of Massachusetts Dartmouth
University of Missouri-St Louis
New York University
St John's University-New York
Wake Forest University
La Salle University
The University of Tennessee at Chattanooga
Texas A & M University-Corpus Christi
University of New Brunswick
University of New Brunswick-Saint John