

# NSSE 2019 U.S. Engagement Indicator Descriptive Statistics by Related-Major Category

## Seniors

Theme/Engagement Indicator	Mean Statistics				95% Conf. Interval		Distribution Statistics (Percentile Scores)				
	N	Mean	SD	SEM	Lower	Upper	5	25	50	75	95
<b>Academic Challenge</b>											
<b>Higher-Order Learning</b>											
Arts & Humanities	9,815	41.0	13.4	0.1	40.8	41.3	20.0	35.0	40.0	50.0	60.0
Bio, Agric, & Nat Res	11,038	39.4	13.5	0.1	39.2	39.7	20.0	30.0	40.0	50.0	60.0
Phys Sci, Math, CS	7,076	38.0	13.4	0.2	37.6	38.3	15.0	30.0	40.0	45.0	60.0
Social Sciences	13,082	42.1	13.1	0.1	41.9	42.3	20.0	35.0	40.0	55.0	60.0
Business	23,588	39.4	13.4	0.1	39.2	39.5	20.0	30.0	40.0	50.0	60.0
Comm, Media, PR	4,415	39.9	13.3	0.2	39.5	40.2	20.0	30.0	40.0	50.0	60.0
Education	8,440	41.2	13.2	0.1	41.0	41.5	20.0	35.0	40.0	50.0	60.0
Engineering	11,354	38.0	13.4	0.1	37.8	38.3	15.0	30.0	40.0	45.0	60.0
Health Professions	19,488	41.8	13.3	0.1	41.6	42.0	20.0	35.0	40.0	55.0	60.0
Social Svc Professions	7,208	42.2	13.3	0.2	41.9	42.5	20.0	35.0	40.0	55.0	60.0
NSSE 2019	126,139	40.3	13.5	0.0	40.2	40.3	20.0	30.0	40.0	50.0	60.0
<b>Reflective &amp; Integrative Learning</b>											
Arts & Humanities	9,893	40.9	12.1	0.1	40.7	41.2	20.0	31.4	40.0	51.4	60.0
Bio, Agric, & Nat Res	11,129	37.1	12.0	0.1	36.9	37.3	17.1	28.6	37.1	45.7	57.1
Phys Sci, Math, CS	7,126	33.7	11.9	0.1	33.4	34.0	14.3	25.7	34.3	40.0	54.3
Social Sciences	13,203	42.2	11.8	0.1	42.0	42.4	20.0	34.3	42.9	51.4	60.0
Business	23,856	37.3	12.1	0.1	37.2	37.5	17.1	28.6	37.1	45.7	60.0
Comm, Media, PR	4,456	40.5	11.7	0.2	40.2	40.9	20.0	31.4	40.0	48.6	60.0
Education	8,525	40.5	11.9	0.1	40.3	40.8	20.0	31.4	40.0	48.6	60.0
Engineering	11,467	32.8	11.9	0.1	32.6	33.0	14.3	25.7	31.4	40.0	54.3
Health Professions	19,723	38.6	12.1	0.1	38.4	38.8	20.0	31.4	37.1	46.7	60.0
Social Svc Professions	7,305	41.7	12.2	0.1	41.5	42.0	20.0	34.3	40.0	51.4	60.0
NSSE 2019	127,453	38.3	12.4	0.0	38.2	38.3	17.1	28.6	37.1	48.6	60.0
<b>Learning Strategies</b>											
Arts & Humanities	9,823	38.5	14.6	0.1	38.3	38.8	13.3	26.7	40.0	46.7	60.0
Bio, Agric, & Nat Res	11,057	39.6	14.0	0.1	39.4	39.9	20.0	26.7	40.0	53.3	60.0
Phys Sci, Math, CS	7,064	35.4	14.8	0.2	35.0	35.7	13.3	26.7	33.3	46.7	60.0
Social Sciences	13,099	39.6	14.2	0.1	39.3	39.8	13.3	26.7	40.0	53.3	60.0
Business	23,588	38.4	14.5	0.1	38.2	38.5	13.3	26.7	40.0	46.7	60.0
Comm, Media, PR	4,420	36.1	14.3	0.2	35.7	36.5	13.3	26.7	33.3	46.7	60.0
Education	8,452	39.8	14.3	0.2	39.5	40.1	13.3	26.7	40.0	53.3	60.0
Engineering	11,333	34.6	14.4	0.1	34.4	34.9	13.3	26.7	33.3	46.7	60.0
Health Professions	19,510	41.1	14.1	0.1	40.9	41.3	20.0	33.3	40.0	53.3	60.0
Social Svc Professions	7,237	39.8	14.6	0.2	39.5	40.2	13.3	26.7	40.0	53.3	60.0
NSSE 2019	126,234	38.7	14.5	0.0	38.6	38.8	13.3	26.7	40.0	53.3	60.0
<b>Quantitative Reasoning</b>											
Arts & Humanities	9,787	21.7	16.3	0.2	21.3	22.0	0.0	6.7	20.0	33.3	53.3
Bio, Agric, & Nat Res	11,005	33.5	15.1	0.1	33.2	33.8	6.7	20.0	33.3	40.0	60.0
Phys Sci, Math, CS	7,044	32.8	16.0	0.2	32.5	33.2	6.7	20.0	33.3	40.0	60.0
Social Sciences	13,043	30.7	16.0	0.1	30.5	31.0	6.7	20.0	26.7	40.0	60.0
Business	23,557	32.7	15.2	0.1	32.5	32.9	6.7	20.0	33.3	40.0	60.0
Comm, Media, PR	4,403	25.4	15.8	0.2	24.9	25.8	0.0	13.3	26.7	40.0	60.0
Education	8,392	25.2	16.3	0.2	24.8	25.5	0.0	13.3	20.0	40.0	60.0
Engineering	11,316	34.6	15.0	0.1	34.4	34.9	13.3	20.0	33.3	46.7	60.0
Health Professions	19,426	30.0	15.5	0.1	29.8	30.2	6.7	20.0	26.7	40.0	60.0
Social Svc Professions	7,207	29.1	16.0	0.2	28.7	29.5	0.0	20.0	26.7	40.0	60.0
NSSE 2019	125,812	30.1	16.1	0.0	30.0	30.2	0.0	20.0	26.7	40.0	60.0

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Theme/Engagement Indicator	Mean Statistics				95% Conf. Interval		Distribution Statistics (Percentile Scores)				
	N	Mean	SD	SEM	Lower	Upper	5	25	50	75	95
<b>Learning with Peers</b>											
<b>Collaborative Learning</b>											
Arts & Humanities	9,832	29.3	14.4	0.1	29.0	29.6	5.0	20.0	30.0	40.0	55.0
Bio, Agric, & Nat Res	11,078	35.9	14.2	0.1	35.6	36.1	15.0	25.0	35.0	45.0	60.0
Phys Sci, Math, CS	7,102	34.7	14.7	0.2	34.4	35.1	10.0	25.0	35.0	45.0	60.0
Social Sciences	13,130	28.6	15.0	0.1	28.3	28.9	5.0	20.0	30.0	40.0	55.0
Business	23,731	30.5	15.8	0.1	30.3	30.7	0.0	20.0	30.0	40.0	60.0
Comm, Media, PR	4,441	33.2	13.4	0.2	32.8	33.6	10.0	25.0	35.0	40.0	60.0
Education	8,479	32.9	16.3	0.2	32.5	33.2	0.0	20.0	35.0	45.0	60.0
Engineering	11,430	39.5	14.7	0.1	39.2	39.8	15.0	30.0	40.0	50.0	60.0
Health Professions	19,596	31.2	17.0	0.1	31.0	31.4	0.0	20.0	30.0	45.0	60.0
Social Svc Professions	7,241	26.7	16.0	0.2	26.3	27.1	0.0	15.0	25.0	40.0	55.0
NSSE 2019	126,753	31.4	16.0	0.0	31.4	31.5	5.0	20.0	30.0	40.0	60.0
<b>Discussions with Diverse Others</b>											
Arts & Humanities	9,818	41.4	14.7	0.1	41.1	41.7	20.0	30.0	40.0	55.0	60.0
Bio, Agric, & Nat Res	10,989	40.5	15.3	0.1	40.2	40.7	15.0	30.0	40.0	55.0	60.0
Phys Sci, Math, CS	7,048	39.4	15.7	0.2	39.1	39.8	15.0	30.0	40.0	55.0	60.0
Social Sciences	13,084	41.5	14.9	0.1	41.3	41.8	20.0	30.0	40.0	55.0	60.0
Business	23,550	39.5	16.5	0.1	39.3	39.7	10.0	30.0	40.0	55.0	60.0
Comm, Media, PR	4,425	41.4	14.7	0.2	41.0	41.9	20.0	30.0	40.0	55.0	60.0
Education	8,418	39.7	15.8	0.2	39.4	40.1	15.0	30.0	40.0	55.0	60.0
Engineering	11,299	40.1	16.2	0.2	39.8	40.4	10.0	30.0	40.0	55.0	60.0
Health Professions	19,448	39.4	16.6	0.1	39.1	39.6	10.0	25.0	40.0	55.0	60.0
Social Svc Professions	7,194	41.4	16.1	0.2	41.1	41.8	15.0	30.0	40.0	60.0	60.0
NSSE 2019	125,889	40.1	16.0	0.0	40.0	40.2	15.0	30.0	40.0	55.0	60.0
<b>Experiences with Faculty</b>											
<b>Student-Faculty Interaction</b>											
Arts & Humanities	9,804	26.9	16.0	0.2	26.6	27.2	5.0	15.0	25.0	40.0	60.0
Bio, Agric, & Nat Res	11,055	27.1	16.0	0.2	26.8	27.4	5.0	15.0	25.0	40.0	60.0
Phys Sci, Math, CS	7,058	24.1	16.2	0.2	23.8	24.5	0.0	10.0	20.0	35.0	55.0
Social Sciences	13,063	24.2	16.3	0.1	23.9	24.5	0.0	10.0	20.0	35.0	60.0
Business	23,594	21.5	15.7	0.1	21.3	21.7	0.0	10.0	20.0	30.0	55.0
Comm, Media, PR	4,410	27.3	16.1	0.2	26.8	27.7	5.0	15.0	25.0	40.0	60.0
Education	8,427	28.2	16.1	0.2	27.9	28.6	5.0	15.0	25.0	40.0	60.0
Engineering	11,344	23.0	15.4	0.1	22.8	23.3	0.0	10.0	20.0	35.0	55.0
Health Professions	19,481	24.6	15.9	0.1	24.4	24.9	0.0	15.0	20.0	35.0	55.0
Social Svc Professions	7,209	22.6	16.4	0.2	22.3	23.0	0.0	10.0	20.0	35.0	55.0
NSSE 2019	126,056	24.1	16.1	0.0	24.0	24.2	0.0	10.0	20.0	35.0	55.0
<b>Effective Teaching Practices</b>											
Arts & Humanities	9,882	41.8	13.2	0.1	41.6	42.1	20.0	32.0	40.0	52.0	60.0
Bio, Agric, & Nat Res	11,126	39.6	13.1	0.1	39.4	39.9	16.0	32.0	40.0	48.0	60.0
Phys Sci, Math, CS	7,112	38.0	13.4	0.2	37.7	38.3	16.0	28.0	40.0	48.0	60.0
Social Sciences	13,198	41.1	13.3	0.1	40.9	41.3	20.0	32.0	40.0	52.0	60.0
Business	23,818	39.3	13.6	0.1	39.1	39.5	16.0	32.0	40.0	48.0	60.0
Comm, Media, PR	4,457	40.1	13.1	0.2	39.8	40.5	20.0	32.0	40.0	52.0	60.0
Education	8,517	41.0	13.9	0.2	40.8	41.3	16.0	32.0	40.0	52.0	60.0
Engineering	11,445	36.3	13.2	0.1	36.1	36.6	16.0	28.0	36.0	44.0	60.0
Health Professions	19,688	40.4	13.9	0.1	40.2	40.6	16.0	32.0	40.0	52.0	60.0
Social Svc Professions	7,295	41.4	14.0	0.2	41.1	41.8	16.0	32.0	40.0	52.0	60.0
NSSE 2019	127,298	39.8	13.7	0.0	39.8	39.9	16.0	32.0	40.0	52.0	60.0

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## Seniors

Theme/Engagement Indicator	Mean Statistics				95% Conf. Interval		Distribution Statistics (Percentile Scores)				
	N	Mean	SD	SEM	Lower	Upper	5	25	50	75	95
<b>Campus Environment</b>											
<b>Quality of Interactions</b>											
Arts & Humanities	9,330	42.6	11.7	0.1	42.4	42.9	22.0	36.0	44.0	50.0	60.0
Bio, Agric, & Nat Res	10,683	42.0	11.7	0.1	41.8	42.2	20.0	35.0	44.0	50.0	60.0
Phys Sci, Math, CS	6,755	41.9	11.6	0.1	41.6	42.2	20.0	34.0	42.0	50.0	60.0
Social Sciences	12,479	42.9	11.9	0.1	42.7	43.1	20.0	36.0	44.0	52.0	60.0
Business	21,988	43.7	12.3	0.1	43.5	43.9	20.0	36.0	46.0	52.5	60.0
Comm, Media, PR	4,307	42.9	11.3	0.2	42.5	43.2	22.0	36.0	44.0	50.0	60.0
Education	8,020	44.5	11.7	0.1	44.3	44.8	24.0	38.0	46.0	54.0	60.0
Engineering	10,801	41.3	11.6	0.1	41.1	41.6	20.0	34.0	42.0	50.0	60.0
Health Professions	17,978	44.5	12.0	0.1	44.3	44.7	22.0	38.0	46.0	54.0	60.0
Social Svc Professions	6,711	44.8	12.1	0.1	44.5	45.1	22.0	38.0	46.0	54.0	60.0
NSSE 2019	118,747	43.3	12.0	0.0	43.3	43.4	20.0	36.0	44.0	52.0	60.0
<b>Supportive Environment</b>											
Arts & Humanities	9,838	32.6	13.6	0.1	32.4	32.9	10.0	22.5	32.5	40.0	57.5
Bio, Agric, & Nat Res	11,059	33.1	13.7	0.1	32.9	33.4	10.0	22.5	32.5	42.5	57.5
Phys Sci, Math, CS	7,068	31.2	13.5	0.2	30.9	31.5	10.0	20.0	30.0	40.0	57.5
Social Sciences	13,123	33.1	13.9	0.1	32.8	33.3	10.0	22.5	32.5	42.5	57.5
Business	23,650	32.3	14.3	0.1	32.1	32.5	10.0	22.5	32.5	40.0	60.0
Comm, Media, PR	4,437	33.7	13.5	0.2	33.3	34.1	12.5	22.9	34.3	42.5	60.0
Education	8,453	33.4	14.0	0.2	33.1	33.7	10.0	22.5	32.5	42.5	60.0
Engineering	11,360	30.1	13.7	0.1	29.8	30.4	7.5	20.0	30.0	40.0	55.0
Health Professions	19,547	33.0	14.3	0.1	32.8	33.2	10.0	22.5	32.5	42.5	60.0
Social Svc Professions	7,244	33.0	14.8	0.2	32.7	33.4	7.5	22.5	32.5	42.5	60.0
NSSE 2019	126,468	32.4	14.1	0.0	32.3	32.5	10.0	22.5	32.5	42.5	57.5

### Related-Major Categories

Arts & Humanities	Arts & Humanities
Bio, Agric, & Nat Res	Biological Sciences, Agriculture, & Natural Resources
Phys Sci, Math, CS	Physical Sciences, Mathematics, & Computer Science
Social Sciences	Social Sciences
Business	Business
Comm, Media, PR	Communications, Media, and Public Relations
Education	Education
Engineering	Engineering
Health Professions	Health Professions
Social Svc Professions	Social Service Professions

### Engagement Indicator Information

Each EI provides valuable information about a distinct aspect of student engagement by summarizing students' responses to a set of related survey questions. To facilitate comparisons over time, as well as between individual institutions or groups of institutions, each EI is expressed on a 60-point scale. Engagement Indicators were computed by scoring responses to each component question from 0 to 60, then taking the average. Thus an EI score of zero would mean that a student chose the lowest response option for an item in that indicator, while a score of 60 would mean that every student chose the highest response to every item.

More information about the Engagement Indicators is available on the NSSE website:  
[nsse.indiana.edu/html/engagement\\_indicators.cfm](http://nsse.indiana.edu/html/engagement_indicators.cfm)

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