

# NSSE 2016 & 2017 Canadian Engagement Indicator Descriptive Statistics by Related-Major Category

## First-Year Students

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	4,179	36.5	12.7	0.2	36.1	36.9	15.0	30.0	35.0	45.0	60.0
Bio, Agric, & Nat Res	5,124	35.5	12.9	0.2	35.2	35.9	15.0	25.0	35.0	45.0	60.0
Phys Sci, Math, CS	3,462	35.3	12.4	0.2	34.8	35.7	15.0	25.0	35.0	45.0	60.0
Social Sciences	6,187	36.5	12.7	0.2	36.2	36.8	15.0	30.0	35.0	45.0	60.0
Business	5,434	35.4	12.5	0.2	35.1	35.8	15.0	25.0	35.0	40.0	60.0
Comm, Media, PR	1,027	36.7	12.3	0.4	35.9	37.4	15.0	30.0	40.0	45.0	60.0
Education	1,644	35.3	12.0	0.3	34.7	35.9	15.0	25.0	35.0	40.0	60.0
Engineering	4,312	36.2	12.4	0.2	35.9	36.6	15.0	30.0	35.0	45.0	60.0
Health Professions	5,224	35.5	13.2	0.2	35.2	35.9	15.0	25.0	35.0	45.0	60.0
Social Svc Professions	2,297	37.1	12.6	0.3	36.5	37.6	15.0	30.0	40.0	45.0	60.0
NSSE 2016 & 2017	41,768	35.8	12.7	0.1	35.7	36.0	15.0	25.0	35.0	45.0	60.0
<b>Reflective &amp; Integrative Learning</b>											
Arts & Humanities	4,206	36.2	11.2	0.2	35.9	36.6	17.1	28.6	37.1	42.9	56.7
Bio, Agric, & Nat Res	5,157	31.6	11.2	0.2	31.2	31.9	14.3	22.9	31.4	40.0	51.4
Phys Sci, Math, CS	3,486	29.1	11.1	0.2	28.7	29.5	11.4	22.9	28.6	37.1	48.6
Social Sciences	6,256	37.3	11.2	0.1	37.1	37.6	20.0	28.6	37.1	45.7	57.1
Business	5,500	33.1	11.0	0.1	32.8	33.4	17.1	25.7	34.3	40.0	51.4
Comm, Media, PR	1,033	36.9	11.0	0.3	36.3	37.6	20.0	28.6	37.1	45.7	57.1
Education	1,659	34.8	11.1	0.3	34.3	35.3	17.1	25.7	34.3	42.9	54.3
Engineering	4,355	29.6	10.7	0.2	29.3	29.9	11.4	22.9	28.6	37.1	48.6
Health Professions	5,265	33.2	11.1	0.2	32.9	33.5	17.1	25.7	31.4	40.0	54.3
Social Svc Professions	2,313	36.8	11.4	0.2	36.4	37.3	17.1	28.6	37.1	45.7	57.1
NSSE 2016 & 2017	42,149	33.5	11.5	0.1	33.4	33.6	14.3	25.7	34.3	40.0	54.3
<b>Learning Strategies</b>											
Arts & Humanities	4,199	35.0	13.5	0.2	34.6	35.4	13.3	26.7	33.3	46.7	60.0
Bio, Agric, & Nat Res	5,132	36.4	13.5	0.2	36.0	36.7	13.3	26.7	33.3	46.7	60.0
Phys Sci, Math, CS	3,461	33.9	13.6	0.2	33.4	34.3	13.3	26.7	33.3	40.0	60.0
Social Sciences	6,206	35.9	13.3	0.2	35.6	36.3	13.3	26.7	33.3	46.7	60.0
Business	5,467	35.5	13.3	0.2	35.2	35.9	13.3	26.7	33.3	46.7	60.0
Comm, Media, PR	1,027	32.8	13.7	0.4	31.9	33.6	13.3	26.7	33.3	40.0	60.0
Education	1,650	34.2	13.6	0.3	33.5	34.8	13.3	26.7	33.3	40.0	60.0
Engineering	4,328	33.2	13.3	0.2	32.8	33.6	13.3	26.7	33.3	40.0	60.0
Health Professions	5,236	37.5	13.5	0.2	37.1	37.8	13.3	26.7	40.0	46.7	60.0
Social Svc Professions	2,294	35.7	14.0	0.3	35.1	36.3	13.3	26.7	33.3	46.7	60.0
NSSE 2016 & 2017	41,892	35.3	13.6	0.1	35.1	35.4	13.3	26.7	33.3	46.7	60.0
<b>Quantitative Reasoning</b>											
Arts & Humanities	4,142	15.8	14.3	0.2	15.4	16.3	0.0	0.0	13.3	26.7	40.0
Bio, Agric, & Nat Res	5,097	26.9	13.9	0.2	26.6	27.3	6.7	20.0	26.7	33.3	53.3
Phys Sci, Math, CS	3,433	26.0	14.6	0.2	25.5	26.5	0.0	13.3	26.7	33.3	53.3
Social Sciences	6,184	22.6	14.4	0.2	22.2	23.0	0.0	13.3	20.0	33.3	46.7
Business	5,416	28.3	14.0	0.2	28.0	28.7	6.7	20.0	26.7	40.0	53.3
Comm, Media, PR	1,022	18.5	14.2	0.4	17.6	19.4	0.0	6.7	20.0	26.7	40.0
Education	1,643	17.4	13.6	0.3	16.7	18.1	0.0	6.7	20.0	26.7	40.0
Engineering	4,281	28.5	14.2	0.2	28.1	29.0	6.7	20.0	26.7	40.0	53.3
Health Professions	5,210	22.9	14.2	0.2	22.6	23.3	0.0	13.3	20.0	33.3	46.7
Social Svc Professions	2,288	20.8	14.9	0.3	20.2	21.5	0.0	6.7	20.0	33.3	46.7
NSSE 2016 & 2017	41,597	23.7	14.8	0.1	23.5	23.8	0.0	13.3	20.0	33.3	46.7

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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	4,187	27.8	14.2	0.2	27.4	28.2	5.0	20.0	25.0	40.0	55.0
Bio, Agric, & Nat Res	5,143	35.1	14.0	0.2	34.7	35.4	15.0	25.0	35.0	45.0	60.0
Phys Sci, Math, CS	3,475	32.4	14.6	0.2	31.9	32.9	10.0	20.0	35.0	40.0	60.0
Social Sciences	6,209	28.9	13.9	0.2	28.6	29.3	5.0	20.0	30.0	40.0	55.0
Business	5,455	34.7	13.8	0.2	34.3	35.0	10.0	25.0	35.0	45.0	60.0
Comm, Media, PR	1,027	32.3	13.2	0.4	31.5	33.1	10.0	25.0	35.0	40.0	55.0
Education	1,656	33.1	13.6	0.3	32.5	33.8	10.0	25.0	35.0	40.0	55.0
Engineering	4,327	38.3	13.5	0.2	37.9	38.7	15.0	30.0	40.0	50.0	60.0
Health Professions	5,245	34.2	13.8	0.2	33.9	34.6	10.0	25.0	35.0	45.0	60.0
Social Svc Professions	2,296	30.1	13.8	0.3	29.6	30.7	5.0	20.0	30.0	40.0	55.0
NSSE 2016 & 2017	41,921	32.7	14.3	0.1	32.6	32.8	10.0	20.0	35.0	40.0	60.0
<b>Discussions with Diverse Others</b>											
Arts & Humanities	4,186	38.6	14.9	0.2	38.1	39.0	15.0	30.0	40.0	50.0	60.0
Bio, Agric, & Nat Res	5,117	39.3	15.5	0.2	38.8	39.7	10.0	30.0	40.0	50.0	60.0
Phys Sci, Math, CS	3,454	36.2	16.5	0.3	35.6	36.7	5.0	25.0	40.0	50.0	60.0
Social Sciences	6,220	38.8	15.3	0.2	38.5	39.2	15.0	30.0	40.0	50.0	60.0
Business	5,448	38.4	15.9	0.2	38.0	38.9	10.0	25.0	40.0	50.0	60.0
Comm, Media, PR	1,026	39.2	14.8	0.5	38.3	40.1	15.0	30.0	40.0	50.0	60.0
Education	1,653	35.8	15.8	0.4	35.0	36.5	10.0	25.0	35.0	45.0	60.0
Engineering	4,325	40.2	15.9	0.2	39.8	40.7	10.0	30.0	40.0	55.0	60.0
Health Professions	5,221	37.7	15.9	0.2	37.3	38.2	10.0	25.0	40.0	50.0	60.0
Social Svc Professions	2,303	38.7	15.4	0.3	38.0	39.3	15.0	30.0	40.0	50.0	60.0
NSSE 2016 & 2017	41,836	38.3	15.7	0.1	38.1	38.4	10.0	25.0	40.0	50.0	60.0
<b>Experiences with Faculty</b>											
<b>Student-Faculty Interaction</b>											
Arts & Humanities	4,174	14.0	12.6	0.2	13.6	14.4	0.0	5.0	10.0	20.0	40.0
Bio, Agric, & Nat Res	5,109	12.2	12.6	0.2	11.9	12.6	0.0	0.0	10.0	20.0	40.0
Phys Sci, Math, CS	3,464	12.8	12.6	0.2	12.4	13.2	0.0	0.0	10.0	20.0	40.0
Social Sciences	6,204	12.0	12.4	0.2	11.7	12.3	0.0	0.0	10.0	20.0	40.0
Business	5,437	14.2	13.6	0.2	13.8	14.6	0.0	5.0	10.0	20.0	40.0
Comm, Media, PR	1,022	12.5	12.0	0.4	11.8	13.3	0.0	5.0	10.0	20.0	35.0
Education	1,646	13.3	12.3	0.3	12.7	13.9	0.0	5.0	10.0	20.0	40.0
Engineering	4,304	13.5	13.0	0.2	13.1	13.8	0.0	5.0	10.0	20.0	40.0
Health Professions	5,217	13.0	12.5	0.2	12.7	13.3	0.0	5.0	10.0	20.0	40.0
Social Svc Professions	2,299	11.8	12.2	0.3	11.3	12.3	0.0	0.0	10.0	20.0	40.0
NSSE 2016 & 2017	41,772	13.0	12.7	0.1	12.8	13.1	0.0	5.0	10.0	20.0	40.0
<b>Effective Teaching Practices</b>											
Arts & Humanities	4,210	37.0	12.2	0.2	36.7	37.4	16.0	28.0	36.0	44.0	60.0
Bio, Agric, & Nat Res	5,156	33.8	11.9	0.2	33.5	34.1	16.0	24.0	32.0	40.0	56.0
Phys Sci, Math, CS	3,484	34.8	12.1	0.2	34.4	35.2	16.0	28.0	36.0	44.0	56.0
Social Sciences	6,256	35.3	12.1	0.2	35.0	35.6	16.0	28.0	36.0	44.0	56.0
Business	5,501	34.1	12.3	0.2	33.8	34.4	16.0	24.0	35.0	40.0	56.0
Comm, Media, PR	1,034	35.7	11.7	0.4	35.0	36.4	16.0	28.0	36.0	44.0	56.0
Education	1,661	36.0	11.6	0.3	35.4	36.5	16.0	28.0	36.0	44.0	56.0
Engineering	4,350	32.9	11.9	0.2	32.5	33.2	12.0	24.0	32.0	40.0	52.0
Health Professions	5,270	34.8	11.9	0.2	34.5	35.1	16.0	28.0	36.0	44.0	56.0
Social Svc Professions	2,315	34.9	12.0	0.2	34.4	35.4	16.0	28.0	36.0	44.0	56.0
NSSE 2016 & 2017	42,155	34.7	12.1	0.1	34.6	34.9	16.0	28.0	36.0	44.0	56.0

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## First-Year Students

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	3,293	39.5	12.8	0.2	39.1	39.9	16.0	32.0	40.0	50.0	60.0
Bio, Agric, & Nat Res	4,164	38.6	12.9	0.2	38.2	39.0	14.0	30.0	40.0	48.0	58.0
Phys Sci, Math, CS	2,713	38.7	13.2	0.3	38.2	39.2	14.0	30.0	40.0	48.0	58.0
Social Sciences	5,008	38.1	13.2	0.2	37.7	38.4	14.0	30.0	40.0	48.0	58.0
Business	4,537	38.5	13.2	0.2	38.1	38.9	14.0	30.0	40.0	48.0	60.0
Comm, Media, PR	831	39.3	12.5	0.4	38.5	40.2	16.0	32.0	40.0	48.0	60.0
Education	1,206	40.5	13.2	0.4	39.8	41.3	16.0	32.5	42.0	50.0	60.0
Engineering	3,528	39.2	12.7	0.2	38.8	39.6	16.0	32.0	40.0	48.0	60.0
Health Professions	4,227	39.3	13.1	0.2	38.9	39.7	14.0	30.0	40.0	50.0	60.0
Social Svc Professions	1,831	37.9	13.7	0.3	37.3	38.5	12.0	30.0	40.0	48.0	60.0
NSSE 2016 & 2017	33,550	38.8	13.1	0.1	38.6	38.9	14.0	30.0	40.0	48.0	60.0
<b>Supportive Environment</b>											
Arts & Humanities	4,205	30.7	12.9	0.2	30.3	31.1	10.0	22.5	30.0	40.0	52.5
Bio, Agric, & Nat Res	5,152	30.9	13.0	0.2	30.5	31.2	10.0	20.0	30.0	40.0	55.0
Phys Sci, Math, CS	3,480	29.2	13.0	0.2	28.8	29.6	7.5	20.0	30.0	37.5	52.5
Social Sciences	6,239	31.3	13.1	0.2	31.0	31.6	10.0	22.5	31.4	40.0	55.0
Business	5,482	31.1	13.0	0.2	30.7	31.4	10.0	20.0	30.0	40.0	55.0
Comm, Media, PR	1,029	31.3	12.8	0.4	30.5	32.1	10.0	22.5	32.5	40.0	55.0
Education	1,657	30.5	12.6	0.3	29.9	31.1	10.0	22.5	30.0	40.0	52.5
Engineering	4,345	30.9	12.8	0.2	30.5	31.3	10.0	22.5	30.0	40.0	55.0
Health Professions	5,255	31.0	13.1	0.2	30.7	31.4	10.0	20.0	30.0	40.0	55.0
Social Svc Professions	2,315	30.7	13.0	0.3	30.1	31.2	10.0	20.0	30.0	40.0	52.5
NSSE 2016 & 2017	42,070	30.7	13.0	0.1	30.6	30.8	10.0	20.0	30.0	40.0	55.0

### 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:  
[nse.indiana.edu/html/engagement\\_indicators.cfm](http://nse.indiana.edu/html/engagement_indicators.cfm)

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