

## NSSE 2019 Engagement Indicators Internal Consistency Statistics by Class Level

Theme	Engagement Indicator	Variable name	Variable label	Intercorrelations (First-year shaded; Senior not shaded)						
				1	2	3	4			
<i>Academic Challenge</i>	<b>Higher-Order Learning</b>	Cronbach's alpha: First-year = .83; Senior = .85								
		1 HOapply	Applying facts, theories, or methods to practical problems or new situations		.65	.46	.48			
		2 HOanalyze	Analyzing an idea, experience, or line of reasoning in depth by examining its parts	.62		.62	.58			
		3 HOevaluate	Evaluating a point of view, decision, or information source	.46	.61		.66			
		4 HOform	Forming a new idea or understanding from various pieces of information	.46	.55	.63				
	<b>Reflective &amp; Integrative Learning</b>	Cronbach's alpha: First-year = .85; Senior = .86								
		1 Rintegrate	Combined ideas from different courses when completing assignments		.50	.38	.40	.37	.38	.46
		2 Rsocietal	Connected your learning to societal problems or issues	.51		.62	.52	.46	.44	.48
		3 Rldiverse	Included diverse perspectives (...) in course discussions or assignments	.40	.56		.56	.48	.41	.41
		4 Rlownview	Examined the strengths and weaknesses of your own views on a topic or issue	.40	.47	.50		.62	.49	.48
		5 Rlperspect	Tried to better understand someone else's views by imagining...his or her perspective	.35	.42	.42	.56		.54	.48
		6 Rlnewview	Learned something that changed the way you understand an issue or concept	.37	.42	.38	.46	.51		.58
		7 Rlconnect	Connected ideas from your courses to your prior experiences and knowledge	.43	.44	.38	.45	.47	.56	
	<b>Learning Strategies</b>	Cronbach's alpha: First-year = .76; Senior = .78								
		1 LSreading	Identified key information from reading assignments		.43	.49				
		2 LSnotes	Reviewed your notes after class	.42		.67				
		3 LSsummary	Summarized what you learned in class or from course materials	.46	.64					
	<b>Quantitative Reasoning</b>	Cronbach's alpha: First-year = .82; Senior = .83								
		1 QRconclude	Reached conclusions based on your own analysis of numerical information (...)		.60	.58				
		2 QRproblem	Used numerical information to examine a real-world problem or issue (...)	.55		.71				
		3 QRevaluate	Evaluated what others have concluded from numerical information	.55	.69					

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<i>Learning with Peers</i>	<b>Collaborative Learning</b>	Cronbach's alpha: First-year = .83; Senior = .85						
		1 CLaskhelp	Asked another student to help you understand course material		.61	.62	.52	
		2 Clexplain	Explained course material to one or more students	.57		.59	.53	
		3 CLstudy	Prepared for exams by discussing or working through course material w/other students	.57	.56		.61	
		4 CLproject	Worked with other students on course projects or assignments	.51	.49	.62		
	<b>Discussions with Diverse Others</b>	Cronbach's alpha: First-year = .87; Senior = .89						
		1 DDrace	Discussions with... People of a race or ethnicity other than your own		.76	.66	.58	
		2 DDeconomic	Discussions with... People from an economic background other than your own	.72		.72	.66	
		3 DDreligion	Discussions with... People with religious beliefs other than your own	.61	.67		.70	
		4 DDpolitical	Discussions with... People with political views other than your own	.54	.62	.65		
<i>Experiences with Faculty</i>	<b>Student-Faculty Interaction</b>	Cronbach's alpha: First-year = .81; Senior = .84						
		1 SFcareer	Talked about career plans with a faculty member		.56	.57	.56	
		2 SFotherwork	Worked with a faculty member on activities other than coursework (...)	.49		.63	.49	
		3 SFdiscuss	Discussed course topics, ideas, or concepts with a faculty member outside of class	.49	.57		.60	
		4 SFperform	Discussed your academic performance with a faculty member	.52	.47	.58		
	<b>Effective Teaching Practices</b>	Cronbach's alpha: First-year = .84; Senior = .85						
		1 ETgoals	Instructors... Clearly explained course goals and requirements		.65	.56	.44	.50
		2 ETorganize	Instructors... Taught course sessions in an organized way	.60		.63	.46	.53
		3 ETexample	Instructors... Used examples or illustrations to explain difficult points	.53	.60		.50	.52
		4 ETdraftfb	Instructors... Provided feedback on a draft or work in progress	.42	.43	.47		.64
		5 ETfeedback	Instructors... Provided prompt and detailed feedback on tests or completed assignments	.45	.46	.48	.62	

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Theme	Engagement Indicator	Variable name	Variable label	Intercorrelations (First-year shaded; Senior not shaded)						
				1	2	3	4	5		
<i>Campus Environment</i>	<b>Quality of Interactions</b>	Cronbach's alpha: First-year = .85; Senior = .83								
		1 Qlstudent	Quality of interactions with... Students		.35	.44	.43	.40		
		2 Qladvisor	Quality of interactions with... Academic advisors	.40		.54	.49	.49		
		3 Qlfaculty	Quality of interactions with... Faculty	.46	.60		.54	.54		
		4 Qlstaff	Quality of interactions with... Student services staff...	.46	.54	.62		.71		
		5 Qladmin	Quality of interactions with... Other administrative staff and offices...	.41	.55	.62	.70			
	<b>Supportive Environment</b>	Cronbach's alpha: First-year = .88; Senior = .88								
1 SEacademic		Inst. emphasizes... Providing support to help students succeed academically		.63	.47	.47	.50	.41	.32	.36
2 SElearnsup		Inst. emphasizes... Using learning support services (...)	.64		.44	.45	.47	.35	.33	.36
3 SEdiverse		Inst. emphasizes... Encouraging contact among students from different backgrounds...	.46	.42		.58	.51	.47	.36	.48
4 SESocial		Inst. emphasizes... Providing opportunities to be involved socially	.49	.47	.57		.65	.45	.55	.53
5 SEwellness		Inst. emphasizes... Providing support for your overall well-being...	.51	.47	.51	.63		.56	.52	.53
6 SENonacad		Inst. emphasizes... Helping you manage your non-academic responsibilities (...)	.37	.29	.48	.46	.56		.40	.51
7 SEactivities		Inst. emphasizes... Attending campus activities and events (...)	.36	.35	.39	.56	.51	.43		.66
8 SEevents	Inst. emphasizes... Attending events that address important social/econ./polit. issues	.36	.33	.48	.51	.49	.53	.63		

**Notes:**

- Results are based on census-administered or randomly selected students who responded to the NSSE 2019 questionnaire, including 129,108 first-year students and 152,028 seniors attending 491 U.S. institutions.
- Results are weighted by institution-reported sex and enrollment status, and by institution size.