



NSSE 2023

High-Impact Practices

Northern Michigan University

About Your *High-Impact Practices* Report

Due to their positive associations with student learning and retention, certain undergraduate opportunities are designated "high-impact." High-Impact Practices (HIPs) share several traits: They demand considerable time and effort, facilitate learning outside of the classroom, require meaningful interactions with faculty and students, encourage collaboration with diverse others, and provide frequent and substantive feedback. As a result, participation in these practices has the potential to be very influential and rewarding (Kilgo et al., 2015; Kuh, 2008). NSSE founding director George Kuh recommends that institutions should aspire for all students to participate in at least two HIPs over the course of their undergraduate experience—one during the first year and one in the context of their major (NSSE, 2007).

NSSE asks students about their participation in the six HIPs shown in the box at right. Unlike most questions on the NSSE survey, the HIP questions are not limited to the current school year. Thus, senior students' responses include participation from prior years.

High-Impact Practices in NSSE

Service-Learning

Courses that included a community-based project

Learning Community

Formal program where groups of students take two or more classes together

Research with Faculty

Work with a faculty member on a research project

Internship or Field Experience

Internship, co-op, field experience, student teaching, or clinical placement

Study Abroad

Culminating Senior Experience

Capstone course, senior project or thesis, portfolio, recital, comprehensive exam, etc.

Report Sections

Participation Comparisons (p. 3)

Displays HIP participation for your students compared with that of students at your comparison group institutions. Two views present insights into your students' HIP participation:

Overall HIP Participation

Displays the percentage of students who participated in one HIP and in two or more HIPs, relative to those at your comparison group institutions.

Statistical Comparisons

Comparisons of participation in each HIP and overall for your students relative to those at comparison group institutions, with tests of significance and effect sizes.

Response Detail (pp. 4-5)

Provides complete response frequencies for the relevant HIP questions for your students and those at your comparison group institutions. First-year results include a summary of their expectations for future HIP participation.

Participation by Student Social Identities and Experiences (p. 6-End)

Displays your students' participation in each HIP by selected student social identities and experiences.

Interpreting Comparisons

HIP participation varies more among students within an institution than it does between institutions, like many experiences and outcomes in higher education. As a result, focusing attention on overall participation rates amounts to examining the tip of the iceberg. It is equally important to understand how student engagement (including HIP participation) varies *within* your institution. The table beginning on page 6 provides an initial look at how HIP participation varies by selected student social identities and experiences. Your NSSE Tableau dashboard and Report Builder (released in the fall) offer further perspectives on internal variation to help you investigate your students' HIP participation in depth.

Kilgo, C. A., Sheets, J. K. E., & Pascarella, E. T. (2015). The link between high-impact practices and student learning: Some longitudinal evidence. *Higher Education, 69*, 509-525.

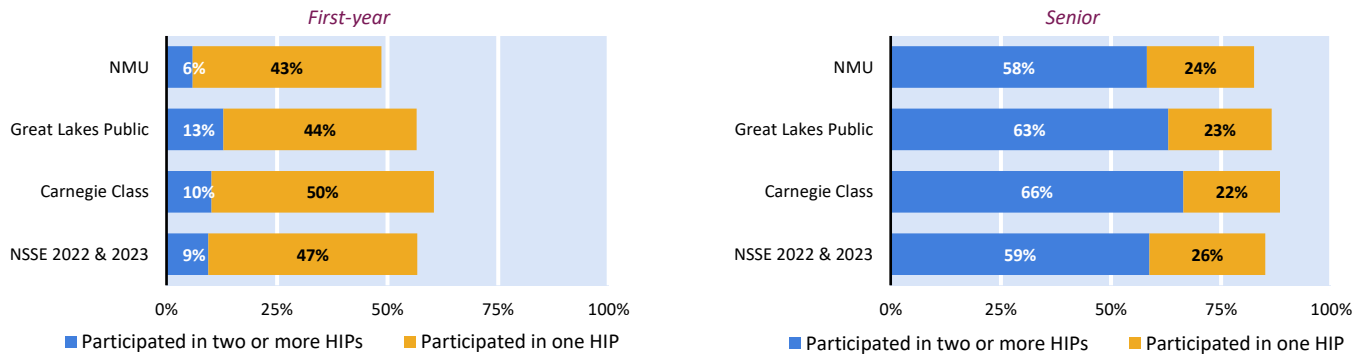
Kuh, G. D. (2008). *High-impact educational practices: What they are, who has access to them, and why they matter*. Association of American Colleges and Universities.

National Survey of Student Engagement (2007). *Experiences that matter: Enhancing student learning and success—Annual Report 2007*. Indiana University Center for Postsecondary Research.

Rocconi, L.M., & Gonyea, R.M. (2018). Contextualizing effect sizes in the National Survey of Student Engagement: An empirical analysis. *Research & Practice in Assessment, 13* (Summer/Fall), pp. 22-38.

Overall HIP Participation

The figures below display the level of participation of students in High-Impact Practices. Both figures include participation in service-learning, learning communities, and research with faculty. The senior figure also includes participation in internships or field experiences, study abroad, and culminating senior experiences. The first segment in each bar shows the percentage who participated in at least two HIPs, and the full bar (both colors) represents the percentage who participated in at least one.



Statistical Comparisons

The table below displays the percentage of your students who participated in a given High-Impact Practice, including the percentage who participated in at least one or in two or more HIPs. It also graphs the difference, in percentage points, between your students and those of your comparison groups. Blue bars indicate how much higher your institution's percentage is compared to the comparison group. Dark red bars indicate how much lower your institution's percentage is compared to the comparison group. (Comparison group percentages appear on the following pages.)

Your students' participation compared with:

	NMU	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
	%	Difference ^a	ES ^b	Difference ^a	ES ^b	Difference ^a	ES ^b
<i>First-year</i>							
Service-Learning	42	-7	-.14	-15	**	-10	*
Learning Community	9	-8	-.23	-2		-2	
Research with Faculty	6	+0	.01	-0		+0	
Participated in at least one	49	-8	-.16	-12	*	-8	
Participated in two or more	6	-7	-.24	-4		-4	
<i>Senior</i>							
Service-Learning	52	-4	-.07	-14	***	-7	*
Learning Community	25	-1	-.03	+0		+3	
Research with Faculty	28	+6	.13	+3		+6	
Internship or Field Exp.	47	-7	-.14	-7	*	-1	
Study Abroad	3	-6	-.27	-5	**	-6	***
Culminating Senior Exp.	42	-5	-.09	-10	***	-3	
Participated in at least one	82	-4	-.11	-6	**	-3	
Participated in two or more	58	-5	-.10	-8	**	-1	

a. Percentage point differences (institution – comp. group) rounded to whole numbers. Values less than one may not display a bar and may be shown as +0 or -0.

b. Cohen's *h* (standardized difference between two proportions). Effect sizes indicate the practical importance of observed differences. For service-learning, internships, study abroad, and culminating senior experiences, an ES of about .2 may be considered small, .5 medium, and .8 large. For learning community and research with faculty, an ES of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2018).

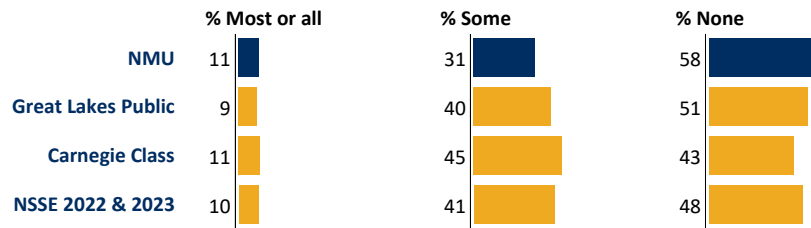
p* < .05, *p* < .01, ****p* < .001 (z-test comparing participation rates).

Note: Participation includes the percentage of students who responded "done or in progress" except for service-learning which is the percentage who responded that at least "some" courses included a community-based project. All results weighted by institution-reported sex and enrollment status (and by institution size for comparison groups).

First-year students

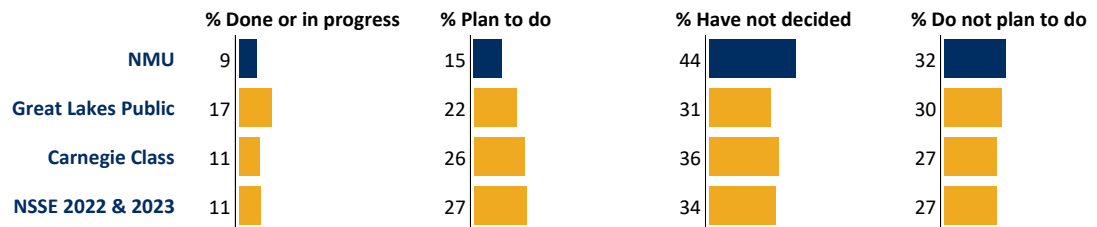
Service-Learning

About how many of your courses at this institution have included a community-based project (service-learning)?



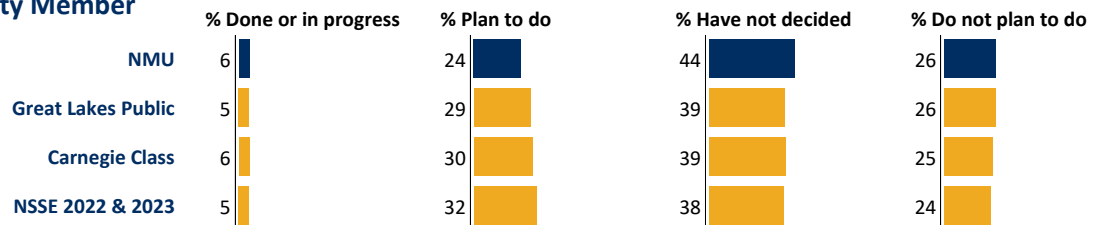
Learning Community

Participate in a learning community or some other formal program where groups of students take two or more classes together.



Research with a Faculty Member

Work with a faculty member on a research project.



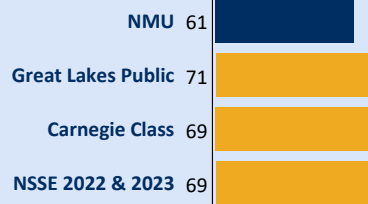
Plans to Participate^a

Knowing whether first-year students *plan* to participate in upper-division HIPs can reveal insights about HIP demand, awareness of opportunities, and the clarity of institutional information. These results might also point to topics for additional exploration, such as what contributes to students' expectations, their assumptions about who can participate, or why other students are undecided or have no plans to participate in the activity.

Percentage responding "Plan to do"

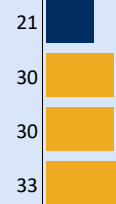
Internship or Field Experience

Participate in an internship, co-op, field experience, student teaching, or clinical placement.



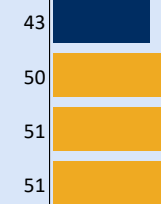
Study Abroad

Participate in a study abroad program.



Culminating Senior Experience

Complete a culminating senior experience (capstone course, senior project or thesis, portfolio, recital, comprehensive exam, etc.).



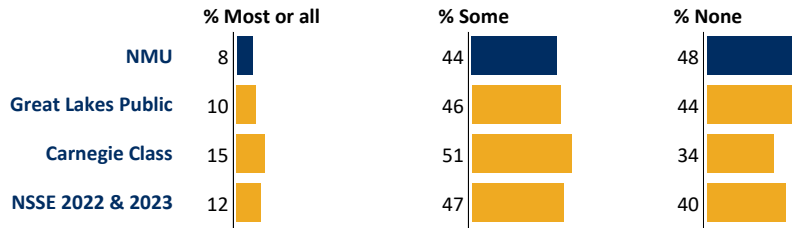
a. Refer to your *Frequencies and Statistical Comparisons* for details on the other response options.

Note: Results weighted by institution-reported sex (including "Another" and "Unknown" when provided) and enrollment status (and institutional size for comparison groups).

Seniors

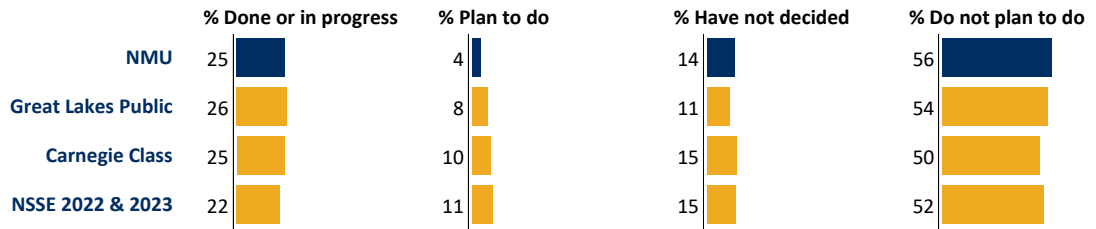
Service-Learning

About how many of your courses at this institution have included a community-based project (service-learning)?



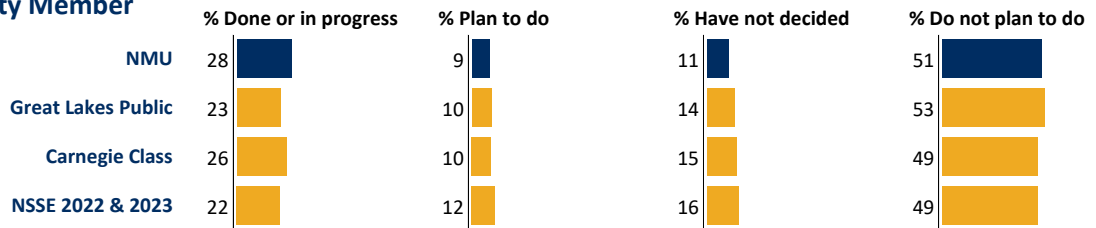
Learning Community

Participate in a learning community or some other formal program where groups of students take two or more classes together.



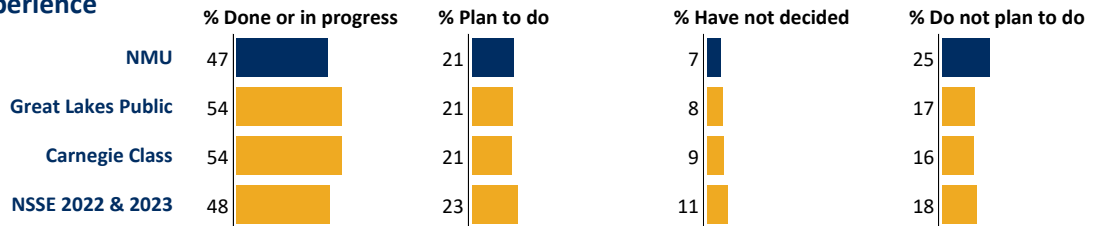
Research with a Faculty Member

Work with a faculty member on a research project.



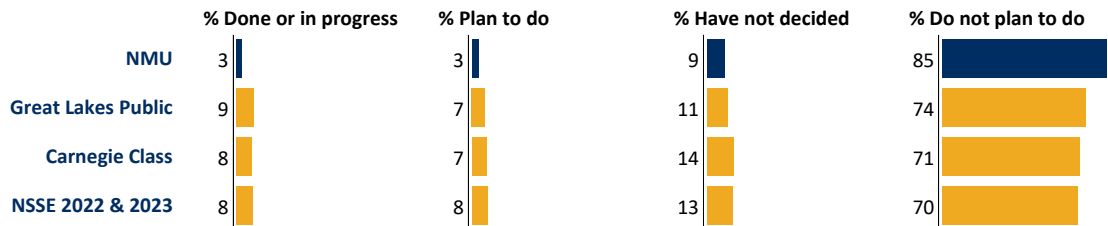
Internship or Field Experience

Participate in an internship, co-op, field experience, student teaching, or clinical placement.



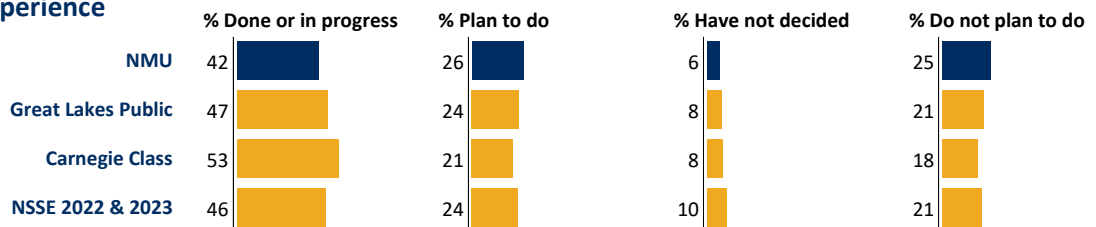
Study Abroad

Participate in a study abroad program.



Culminating Senior Experience

Complete a culminating senior experience (capstone course, senior project or thesis, portfolio, recital, comprehensive exam, etc.).



Note: Results weighted by institution-reported sex (including "Another" and "Unknown" when provided) and enrollment status (and institutional size for comparison groups).

Participation in High-Impact Practices by Student Social Identities and Experiences

Examining participation rates for different groups offers insight into how engagement varies within your student population. The table below displays participation in each HIP by selected social identities and experiences. Details include the number of HIP participants (N), the number within the group who responded to the item (total), and the group participation percentage (%).

	<i>First-year</i>						<i>Senior</i>											
	Service-Learning		Learning Community		Research with Faculty		Service-Learning		Learning Community		Research with Faculty		Internship or Field Experience		Study Abroad		Culminating Senior Experience	
Major category ^a	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%
Arts & humanities	4/21	19	2/21	10	0/21	0	10/22	45	1/22	5	1/21	5	8/21	38	2/22	9	12/22	55
Bio. sci., agric., and natural res.	11/19	58	2/19	11	1/18	6	40/79	51	8/79	10	35/79	44	33/79	42	2/79	3	24/79	30
Physical sci., math, computer sci.	1/1	100	0/1	0	0/1	0	4/21	19	6/21	29	9/21	43	9/21	43	0/21	0	14/21	67
Social sciences	5/13	38	2/13	15	0/13	0	12/25	48	4/25	16	12/25	48	10/25	40	2/25	8	9/25	36
Business	3/8	38	1/8	13	0/8	0	10/29	34	6/29	21	0/29	0	8/29	28	1/29	3	11/29	38
Communications, media, public rel.	1/2	50	0/2	0	0/2	0	5/8	63	3/8	38	2/8	25	8/8	100	1/8	13	8/8	100
Education	5/16	31	1/17	6	1/17	6	27/31	87	18/31	58	4/31	13	19/31	61	1/31	3	16/31	52
Engineering	1/2	50	0/2	0	0/2	0	1/6	17	2/6	33	0/6	0	3/6	50	0/6	0	3/6	50
Health professions	4/12	33	1/12	8	2/12	17	24/32	75	16/32	50	4/32	13	26/32	81	0/32	0	6/32	19
Social service professions	5/10	50	1/10	10	2/10	20	11/14	79	6/14	43	8/14	57	10/14	71	0/14	0	7/14	50
Undecided/undeclared	0/0		0/0		0/0		0/0		0/0		0/0		0/0		0/0		0/0	
Transfer status	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%
Started here	40/106	38	10/107	9	6/106	6	96/183	52	49/183	27	50/182	27	96/183	52	9/183	5	79/183	43
Started elsewhere	2/3	67	0/3	0	0/3	0	54/93	58	25/93	27	25/93	27	42/92	46	0/93	0	35/93	38
Enrollment status ^b	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%
Not full-time	0/0		0/0		0/0		16/36	44	7/36	19	13/36	36	17/37	46	0/36	0	14/36	39
Full-time	46/117	39	10/118	8	6/117	5	140/249	56	69/250	28	64/249	26	127/250	51	9/250	4	104/250	42
First-generation ^c	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%
Continuing generation	25/75	33	6/76	8	1/75	1	89/166	54	47/166	28	45/166	27	86/166	52	8/166	5	69/166	42
First-generation	15/32	47	3/32	9	5/32	16	59/107	55	27/107	25	29/106	27	50/106	47	1/107	1	45/107	42
I prefer not to respond	2/2	100	1/2	50	0/2	0	1/1	100	0/1	0	1/1	100	1/1	100	0/1	0	0/1	0
Race/ethnicity ^d	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%
Asian	0/4	0	0/4	0	0/4	0	5/7	71	2/7	29	1/7	14	3/7	43	0/7	0	2/7	29
Black or African American	1/1	100	0/1	0	0/1	0	6/6	100	1/6	17	2/6	33	3/6	50	0/6	0	3/6	50
Hispanic, Latina/o, Latine, or Latinx	3/5	60	0/5	0	0/5	0	6/9	67	3/9	33	5/9	56	6/9	67	0/9	0	5/9	56
Indigenous, American Indian, etc.	2/3	67	0/3	0	0/3	0	6/12	50	4/12	33	2/12	17	4/11	36	0/12	0	3/12	25
Middle Eastern or North African	0/0		0/0		0/0		2/2	100	1/2	50	1/2	50	2/2	100	0/2	0	0/2	0
Native Hawaiian or Pacific Islander	0/0		0/0		0/0		3/5	60	2/5	40	1/5	20	3/5	60	0/5	0	2/5	40
White	41/102	40	10/103	10	6/102	6	139/254	55	71/254	28	69/253	27	129/254	51	9/254	4	103/254	41
Another race or ethnicity	0/0		0/0		0/0		2/3	67	1/3	33	0/3	0	1/3	33	0/3	0	0/3	0
I prefer not to respond	0/3	0	0/3	0	0/3	0	1/6	17	0/6	0	1/6	17	2/6	33	0/6	0	4/6	67

Participation in High-Impact Practices by Student Social Identities and Experiences

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	<i>First-year</i>						<i>Senior</i>																							
	Service-Learning		Learning Community		Research with Faculty		Service-Learning		Learning Community		Research with Faculty		Internship or Field Experience		Study Abroad		Culminating Senior Experience													
	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%												
International status																														
Not an international student	41/106	39		9/107	8		5/106	5		146/270	54		72/270	27		72/269	27		134/269	50		8/270	3		112/270	41				
International student	1/3	33		1/3	33		1/3	33		4/5	80		2/5	40		3/5	60		3/5	60		1/5	20		2/5	40				
Gender identity^d																														
Woman	31/79	39		7/80	9		4/79	5		121/210	58		64/210	30		54/210	26		114/209	55		7/210	3		86/210	41				
Man	8/17	47		2/17	12		1/17	6		22/47	47		10/47	21		15/47	32		17/47	36		1/47	2		21/47	45				
Agender or gender neutral	0/1	0		0/1	0		0/1	0		3/3	100		1/3	33		1/3	33		3/3	100		0/3	0		1/3	33				
Demigender	0/0			0/0			0/0			1/1	100		1/1	100		0/1	0		1/1	100		0/1	0		0/1	0				
Genderqueer, non-binary, etc.	2/8	25		1/8	13		1/8	13		8/14	57		5/14	36		4/14	29		7/14	50		1/14	7		5/14	36				
Genderfluid	1/4	25		0/4	0		0/4	0		3/5	60		2/5	40		1/4	25		2/5	40		0/5	0		4/5	80				
Two-spirit	0/0			0/0			0/0			1/1	100		1/1	100		0/1	0		1/1	100		0/1	0		0/1	0				
Cis/Cisgender	4/7	57		1/7	14		0/7	0		13/31	42		7/31	23		10/31	32		12/31	39		0/31	0		10/31	32				
Trans/Transgender	2/3	67		0/3	0		0/3	0		1/3	33		1/3	33		1/3	33		1/3	33		0/3	0		1/3	33				
Questioning or unsure	1/2	50		0/2	0		0/2	0		4/5	80		1/5	20		2/5	40		2/5	40		0/5	0		2/5	40				
Another gender identity	0/0			0/0			0/0			1/2	50		1/2	50		0/2	0		1/2	50		0/2	0		0/2	0				
I prefer not to respond	0/2	0		0/2	0		0/2	0		1/4	25		0/4	0		2/4	50		2/4	50		0/4	0		2/4	50				
Sexual orientation^d																														
Straight or heterosexual	24/61	39		5/61	8		4/60	7		101/178	57		58/178	33		48/178	27		92/178	52		5/178	3		72/178	40				
Bisexual	8/20	40		2/21	10		0/21	0		30/57	53		11/57	19		15/57	26		26/57	46		2/57	4		23/57	40				
Lesbian	2/7	29		1/7	14		0/7	0		4/6	67		2/6	33		2/6	33		4/6	67		1/6	17		4/6	67				
Gay	0/1	0		1/1	100		0/1	0		1/2	50		1/2	50		1/2	50		2/2	100		0/2	0		0/2	0				
Queer	3/8	38		1/8	13		0/8	0		13/22	59		5/22	23		5/21	24		10/22	45		0/22	0		11/22	50				
Pansexual or polysexual	5/8	63		0/8	0		1/8	13		8/13	62		3/13	23		3/13	23		4/13	31		0/13	0		3/13	23				
Ace, gray, or asexual	1/4	25		0/4	0		1/4	25		8/11	73		2/11	18		4/11	36		4/11	36		1/11	9		5/11	45				
Demisexual	1/1	100		0/1	0		0/1	0		3/4	75		2/4	50		2/4	50		4/4	100		0/4	0		3/4	75				
Questioning or unsure	3/8	38		2/8	25		0/7	0		5/8	63		2/8	25		0/8	0		3/8	38		0/8	0		3/8	38				
Another sexual orientation	0/1	0		0/1	0		0/1	0		1/1	100		1/1	100		0/1	0		1/1	100		0/1	0		0/1	0				
I prefer not to respond	3/6	50		1/6	17		0/6	0		4/11	36		2/11	18		3/11	27		6/10	60		1/11	9		4/11	36				
Age^b																														
FY 21+, Seniors 25+	0/116	0		0/117	0		0/116	0		21/43	49		11/43	26		8/43	19		13/43	30		0/243	0		11/43	26				
FY < 21, Seniors < 25	46/116	40		10/117	9		6/116	5		135/242	56		65/243	27		69/242	29		131/244	54		9/243	4		107/243	44				

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	Service-Learning		Learning Community		Research with Faculty		Service-Learning		Learning Community		Research with Faculty		Internship or Field Experience		Study Abroad		Culminating Senior Experience		
	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	
Disability status^d																			
Sensory disability	0/8	0	0/8	0	0/0		0/8	0	0/0		1/1	100	0/8	0	0/0		0/8	0	
Physical disability	1/1	100	0/1	0	1/1	100	0/0		0/0		0/0		0/0		0/0		0/0		
Mental health or develop. disability	5/20	25	1/21	5	0/21	0	28/59	47	14/59	24	15/58	26	27/59	46	2/59	3	27/59	46	
Another disability or condition	2/3	67	0/3	0	0/3	0	2/3	67	0/3	0	1/3	33	2/3	67	0/3	0	2/3	67	
Multiple types of disab. or cond.	7/16	44	3/16	19	1/16	6	18/33	55	8/33	24	11/33	33	20/33	61	1/33	3	18/33	55	
No disability or condition	22/60	37	5/60	8	4/59	7	97/171	57	52/171	30	44/171	26	84/170	49	6/171	4	66/171	39	
I prefer not to respond	5/8	63	1/8	13	0/8	0	5/8	63	0/8	0	3/8	38	4/8	50	0/8	0	1/8	13	
Residence																			
Not on campus	8/17	47	1/17	6	2/17	12	104/193	54	55/193	28	53/192	28	98/192	51	5/193	3	75/193	39	
On campus	34/92	37	9/93	10	4/92	4	46/82	56	19/82	23	22/82	27	39/82	48	4/82	5	39/82	48	
Athlete status																			
Not an athlete	38/98	39	9/99	9	4/98	4	143/264	54	72/264	27	71/263	27	131/263	50	7/264	3	109/264	41	
Student-athlete	4/11	36	1/11	9	2/11	18	7/11	64	2/11	18	4/11	36	6/11	55	2/11	18	5/11	45	
Greek membership																			
Not a member	40/106	38	9/107	8	4/106	4	134/248	54	61/248	25	65/247	26	118/247	48	9/248	4	100/248	40	
Member	1/2	50	1/2	50	2/2	100	12/21	57	11/21	52	10/21	48	16/21	76	0/21	0	12/21	57	
Military status																			
No military service	39/106	37	9/107	8	5/106	5	147/265	55	72/265	27	72/264	27	133/264	50	9/265	3	110/265	42	
Current or former military service	2/2	100	1/2	50	1/2	50	3/10	30	2/10	20	3/10	30	4/10	40	0/10	0	4/10	40	
Satisfaction^e																			
Fair or poor	3/13	23	1/13	8	0/13	0	20/47	43	6/47	13	14/47	30	29/47	62	2/47	4	15/47	32	
Good or excellent	40/97	41	9/98	9	6/97	6	130/230	57	68/230	30	61/229	27	109/229	48	7/230	3	100/230	43	
Overall	46/117	42	10/118	9	6/117	6	156/285	52	76/286	25	77/285	28	144/287	47	9/286	3	118/286	42	

Notes: Results are of those responding "done or in progress" except for service-learning which is the percentage responding that at least "some" courses included a community-based project. Results are unweighted, except for overall percentages which are weighted by sex and enrollment status. Percentages are within-group and can be read, for example, "X% of business major respondents participated in a learning community."

- a. NSSE's default categories, based on first major if more than one was reported. Customizable major categories are available in your NSSE Tableau dashboards and Report Builder (released in the fall). Excludes majors categorized as "all other."
- b. Institution-reported variable.
- c. No parent, guardian, or person who raised you holds a bachelor's degree.
- d. Select-all-that-apply item; students may be represented in more than one category.
- e. Based on responses to "How would you evaluate your entire educational experience at this institution?"