

Northern Michigan University

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#### **About This Report**

## **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.

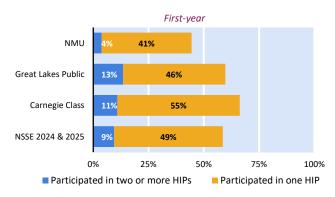
Rocconi, L.M., & Gonyea, R.M. (2018). Contextualizing effect sizes in the National Survey of Student Engagement: An empirical analysis. *Research & Practice in Assessment, 13* (Summer/Fall), pp. 22-38.

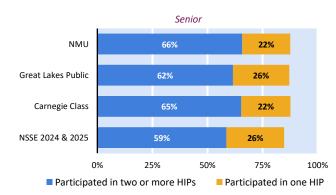


# Participation Comparisons Northern Michigan University

## **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				Ca	Carnegie Class				NSSE 2024 & 2025			
First-year	%	Diffe	rence <sup>a</sup>		ES b	Differ	ence <sup>a</sup>		ES b	Differ	ence <sup>a</sup>		ES b	
Service-Learning	42		-12	***	24		-22	***	44		-13	***	26	
<b>Learning Community</b>	5		-11	***	37		-6	**	23		-5	**	21	
Research with Faculty	4		-2		12	l	-2		09		-2		08	
Participated in at least one	44		-15	***	31		-22	***	44		-14	***	28	
Participated in two or more	4		-10	***	36		-7	***	28		-6	**	23	
Senior														
Service-Learning	59	+2			.04		-10	***	21		-2		04	
<b>Learning Community</b>	26	+2	)		.04	+0			.00	+5		*	.11	
Research with Faculty	26	+3	1		.07	+0			.01	+3			.07	
Internship or Field Exp.	53		-3		05	+0			.00	+5		*	.10	
Study Abroad	7		-4	**	15		-4	*	13		-5	**	17	
Culminating Senior Exp.	44		-1		02		-6	*	13		-1		02	
Participated in at least one	88	+0			.01		-0		.00	+3			.08	
Participated in two or more	66	+4			.09	+0			.01	+7		**	.15	

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.

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. Results are unweighted, except for overall percentages which are weighted by sex and enrollment status.

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).

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

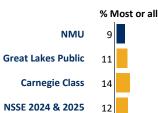
#### **Response Detail**

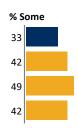
## **Northern Michigan University**

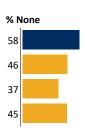
## **First-year students**



About how many of your courses at this institution have included a communitybased project (servicelearning)?



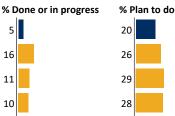


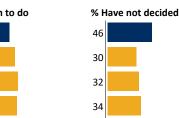


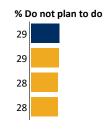
#### **Learning Community**

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





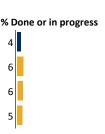


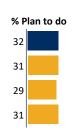


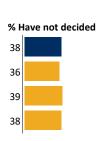
#### **Research with a Faculty Member**

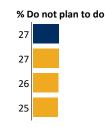
Work with a faculty member on a research project.











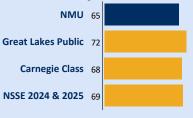
## Plans to Participate<sup>a</sup>

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.



## Internship or Field Experience

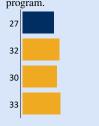
Participate in an internship, co-op, field experience, student teaching, or clinical placement.



## Percentage responding "Plan to do"

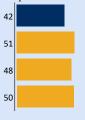
## Study Abroad

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.

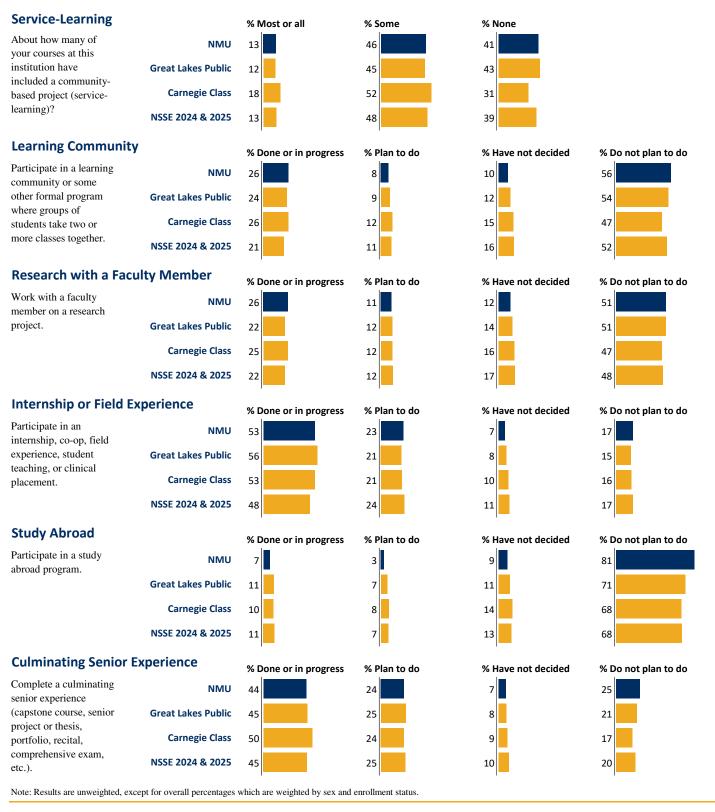
Note: Results are unweighted, except for overall percentages which are weighted by sex and enrollment status.



#### **Response Detail**

## **Northern Michigan University**

#### **Seniors**





## Disaggregated Results Northern Michigan University

## 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 (%).

	First-year				Senior													
	Service-		Lear	ning	Researc	h with	Serv	ice-	Lear	ning	Resear	ch with	Intern	ship or	Stu	dy	Culm	inating
	Lear	ning	Comn	nunity	Facı	ulty	Lear	ning	Comn	nunity	Fac	ulty	Field Ex	perience	Abr	oad	Senior E	xperience
Major category <sup>a</sup>	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%
Arts & humanities	10/36	28	1/36	3	2/36	6	12/24	50	5/25	20	7/25	28	11/25	44	2/25	8	18/25	72
Bio. sci., agric., and natural res.	21/49	43	4/50	8	4/50	8	53/98	54	16/99	16	46/100	46	47/100	47	9/100	9	40/100	40
Physical sci., math, computer sci.	3/11	27	0/11	0	0/11	0	6/22	27	5/22	23	8/22	36	9/22	41	3/22	14	13/22	59
Social sciences	6/17	35	0/17	0	1/17	6	13/28	46	4/27	15	9/28	32	16/28	57	2/28	7	12/28	43
Business	7/24	29	3/27	11	0/27	0	25/40	63	12/40	30	2/40	5	17/40	43	1/40	3	20/40	50
Communications, media, public rel.	2/5	40	0/5	0	0/5	0	5/8	63	0/8	0	1/8	13	7/8	88	0/8	0	7/8	88
Education	21/33	64	2/35	6	0/35	0	50/66	76	24/66	36	7/66	11	34/66	52	4/66	6	18/66	27
Engineering	0/6	0	0/0		0/0		9/15	60	6/15	40	6/15	40	12/15	80	0/0		15/15	100
Health professions	15/28	54	1/28	4	1/28	4	41/51	80	21/51	41	5/51	10	37/51	73	1/51	2	15/51	29
Social service professions	4/13	31	0/13	0	0/13	0	20/30	67	15/30	50	5/30	17	21/30	70	6/30	20	12/30	40
Undecided/undeclared	3/6	50	0/6	0	0/6	0	1/1	100	0/1	0	0/1	0	0/1	0	0/1	0	1/1	100
Transfer status	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%
Started here	93/226	41	9/231	4	7/231	3	159/260	61	79/260	30	71/262	27	160/263	61	22/263	8	126/263	48
Started elsewhere	5/11	45	1/12	8	1/12	8	89/151	59	32/151	21	31/150	21	66/151	44	7/151	5	57/151	38
Enrollment status <sup>b</sup>	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%
Not full-time	5/8	63	0/10	0	1/9	11	32/53	60	10/52	19	10/52	19	14/53	26	2/53	4	17/53	32
Full-time	99/239	41	12/246	5	8/245	3	223/373	60	104/374	28	97/375	26	221/376	59	28/376	7	171/376	45
First-generation <sup>c</sup>	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%
Continuing generation	69/165	42	7/170	4	6/170	4	160/273	59	79/273	29	70/275	25	163/275	59	18/275	7	125/275	45
First-generation	25/64	39	2/65	3	2/65	3	87/136	64	30/136	22	30/135	22	63/137	46	10/137	7	56/137	41
I prefer not to respond	2/5	40	0/5	0	0/5	0	1/3	33	1/3	33	1/3	33	0/3	0	1/3	33	1/3	33
Race/ethnicity <sup>d</sup>	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%	N/total	%
Asian	,	25		25	0/4	0	7/8			13	,	38		63	,	13	,	38
Black or African American	2/6	33	0/6	0	0/6	0	8/10	80	2/10	20	2/10	20	4/10	40	0/10	0	4/10	40
Hispanic, Latina/o, Latine, or Latinx	3/13	23	0/13	0	1/13	8	12/17	71	4/17	24	5/16	31	8/17	47	0/17	0	10/17	59
Indigenous, American Indian, etc.		50		0	0/8	0	18/22	82	4/22	18	4/21	19	9/22	41	1/22	5	13/22	59
Middle Eastern or North African	1/2	50	0/2	0	0/2	0	0/0		0/0		0/0		0/0		0/0		0/0	
Native Hawaiian or Pacific Islander	1/2	50		50	•	0	1/1	100	0/1	0	0/1	0	0/1	0	0/1	0	0/1	0
White			_	4	8/221	4	226/379		104/380		93/380	_	212/382		26/382	7	168/382	44
Another race or ethnicity	0/2	0	1/2	50	0/2	0	2/3	67		33	1/2	50		33	0/3	0	1/3	33
I prefer not to respond	2/3	67	1/3	33	0/3	0	5/11	45	2/10	20	5/11	45	5/11	45	2/11	18	6/11	55



Disaggregated Results
Northern Michigan University

## 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 (%).

		First-year		Senior									
	Service-	Learning	Research with	Service-	Learning	Research with	Internship or	Study	Culminating				
	Learning	Community	Faculty	Learning	Community	Faculty	Field Experience	Abroad	Senior Experience				
International status	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %				
Not an international student	94/231 41	9/236 4	8/236 3	245/406 60	111/406 27	102/407 25	226/409 55	27/409 7	182/409 44				
International student	1/3 33	1/4 25	0/4 0	4/7 57	0/7 <i>0</i>	0/7 0	1/7 14	2/7 29	1/7 14				
Gender identity <sup>d</sup>	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %				
Woman	62/148 42	4/150 3	4/150 3	181/279 65	80/279 29	62/280 22	161/281 57	22/281 <i>8</i>	116/281 41				
Man	26/69 38	5/73 7	4/73 5	58/107 54	25/107 23	31/107 29	57/108 53	4/108 4	54/108 50				
Trans/Transgender	5/14 36	0/15 <i>0</i>	0/15 0	2/5 40	0/5 <i>0</i>	1/5 20	2/5 40	0/5 <i>0</i>	1/5 20				
Agender or gender neutral	1/1 100	0/1 0	0/1 0	3/6 50	2/6 33	1/6 17	2/6 33	1/6 17	2/6 33				
Demigender	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0				
Genderqueer, non-binary, etc.	3/12 25	0/12 0	0/12 0	6/11 55	1/11 9	3/11 27	4/11 36	0/11 0	4/11 36				
Two-spirit	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0				
Cis/Cisgender	4/11 36	0/11 0	0/11 0	21/33 64	10/33 30	11/33 33	21/33 64	1/33 3	13/33 39				
Questioning or unsure	1/4 25	0/4 0	0/4 0	1/5 20	1/5 20	1/5 20	3/5 60	0/5 <i>0</i>	4/5 80				
Another gender identity	0/0	0/0	0/0	1/1 100	0/1 0	1/1 100	0/1 0	0/1 0	0/1 0				
I prefer not to respond	2/3 67	1/3 33	0/3 0	3/10 30	4/10 40	4/10 40	3/10 30	1/10 10	5/10 50				
Sexual orientation <sup>d</sup>	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %				
Straight or heterosexual	62/145 43	8/149 5	6/149 4	175/286 61	78/286 27	63/286 22	159/288 55	18/288 <i>6</i>	124/288 43				
Bisexual	20/48 42	0/48 0	1/48 2	31/52 60	12/53 23	16/53 30	21/53 40	4/53 8	26/53 49				
Lesbian	2/9 22	0/9 0	0/9 <i>0</i>	12/17 71	8/17 47	3/17 18	11/17 65	2/17 12	8/17 47				
Gay	2/3 67	0/3 0	1/3 33	5/7 71	3/7 43	5/7 71	4/7 57	0/7 0	3/7 43				
Queer	2/11 18	1/13 8	0/13 0	10/16 63	4/15 27	3/16 19	11/16 69	0/16 0	8/16 50				
Pansexual or polysexual	3/13 23	0/13 0	0/13 0	2/15 13	1/15 7	6/15 40	10/15 67	0/15 0	6/15 40				
Ace, gray, or asexual	2/6 33	0/6 0	0/6 0	3/8 38	1/8 13	2/8 25	3/8 38	1/8 13	3/8 38				
Demisexual	2/5 40	0/5 <i>0</i>	0/5 <i>0</i>	2/3 67	1/3 33	1/3 33	1/3 33	1/3 33	2/3 67				
Questioning or unsure	4/9 44	0/9 0	0/9 <i>0</i>	7/14 50	4/14 29	2/14 14	8/14 57	2/14 14	6/14 43				
Another sexual orientation	0/2 0	0/2 0	0/2 0	2/2 100	1/2 50	1/2 50	1/2 50	0/2 0	0/2 0				
I prefer not to respond	2/6 33	1/6 17	0/6 0	9/20 45	6/20 30	7/20 35	11/20 55	3/20 15	9/20 45				
Age <sup>b</sup>	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %				
FY 21+, Seniors 25+	2/11 18	2/13 15	1/12 8	45/81 56	12/81 15	16/80 20	23/81 28	3/81 4	22/81 27				
FY < 21, Seniors < 25	102/236 43	10/243 4	8/242 3	210/345 61	102/345 30	91/347 26	212/348 61	27/348 <i>8</i>	166/348 48				



## **Disaggregated Results**

## **Northern Michigan University**

## 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 (%).

		First-year		Senior									
	Service-	Learning	Research with	Service-	Learning	Research with	Internship or	Study	Culminating				
	Learning	Community	Faculty	Learning	Community	Faculty	Field Experience	Abroad	Senior Experience				
Disability status <sup>d</sup>	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %				
Sensory disability	1/1 100	0/1 0	0/1 0	1/2 50	0/2 0	0/2 0	2/2 100	0/2 0	0/2 0				
Physical disability	0/13 0	0/0	0/0	0/18 0	1/1 100	1/1 100	1/1 100	1/1 100	0/18 0				
Mental health or develop. disability	14/33 42	0/36 0	3/36 8	32/52 62	20/53 38	18/53 34	31/53 58	5/53 <i>9</i>	24/53 45				
Another disability or condition	1/8 13	1/8 13	1/8 13	4/7 57	2/7 29	3/7 43	5/7 71	0/7 0	3/7 43				
Multiple types of disab. or cond.	6/21 29	2/21 10	2/21 10	22/36 61	15/36 42	9/36 25	19/36 53	1/36 3	14/36 39				
No disability or condition	72/156 46	6/158 4	2/158 1	179/294 61	70/293 24	66/294 22	162/296 55	18/296 <i>6</i>	132/296 45				
I prefer not to respond	1/13 8	0/14 0	0/14 0	10/18 56	3/18 17	4/18 22	7/18 39	3/18 17	10/18 56				
Residence	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %				
Not on campus	16/45 36	2/45 4	3/45 7	183/290 63	76/290 <i>26</i>	71/290 24	155/292 53	21/292 7	134/292 46				
On campus	79/187 42	7/193 4	4/193 2	66/121 55	35/121 29	30/122 25	72/122 59	8/122 7	49/122 40				
Athlete status	N/total %	N/total %	N/total 0	N/total %	N/total 0	N/total %	N/total %	N/total %	N/total %				
Not an athlete	81/201 40	8/206 4	8/206 4	226/376 60	100/376 27	94/377 25	205/379 54	26/379 <i>7</i>	169/379 45				
Student-athlete	14/32 44	2/33 6	0/33 0	23/34 68	11/34 32	7/34 21	21/34 62	3/34 9	14/34 41				
Greek membership	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %				
Not a member	93/227 41	10/232 4	8/232 3	232/391 59	102/392 26	95/393 24	213/394 54	29/394 7	172/394 44				
Member	1/3 33	0/3 0	0/3 0	14/16 88	5/15 33	5/15 33	11/16 69	0/16 0	9/16 56				
Military status	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %				
No military service	94/230 41	9/236 4	7/236 3	243/401 61	109/401 27	97/402 24	223/404 55	28/404 7	177/404 44				
Current or former military service	1/2 50	1/2 50	1/2 50	6/10 60	2/10 20	4/10 40	4/10 40	1/10 10	6/10 60				
Satisfaction <sup>e</sup>	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %	N/total %				
Fair or poor	17/40 43	2/42 5	0/42 0	24/49 49	8/49 16	8/49 16	27/49 55	1/49 2	24/49 49				
Good or excellent	82/199 41	10/203 5	9/203 4	225/359 63	104/359 29	95/360 <i>26</i>	199/362 55	28/362 8	160/362 44				
Overall	104/247 42	12/256 5	9/254 4	255/426 59	114/426 26	107/427 26	235/429 53	30/429 7	188/429 44				

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 if applicable. 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?"