



Department of Institutional Research and Assessment

NSSE 2013 & 2014 - School of Engineering Results

May 2016

Your suggestions and comments are welcomed. For questions or additional queries do not hesitate to contact us by email :
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NSSE 2013 & 2014 - School of Engineering Results

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I. NSSE - Items Results for School of Engineering - First-Year Students

			2013				2014			
			School of Engineering		LAU		School of Engineering		LAU	
			Count	%	Mean	Mean	Count	%	Mean	Mean
1. During the current school year, about how often have you done the following?										
a. Asked questions or contributed to course discussions in other ways	1	Never	6	5%	2.7	2.9	6	4%	2.8	2.9
	2	Sometimes	45	41%			55	39%		
	3	Often	41	37%			45	32%		
	4	Very often	19	17%			34	24%		
	Total		111	100%			140	100%		
b. Prepared two or more drafts of a paper or assignment before turning it in	1	Never	12	11%	2.4	2.5	27	19%	2.4	2.6
	2	Sometimes	56	50%			54	39%		
	3	Often	35	32%			34	24%		
	4	Very often	8	7%			24	17%		
	Total		111	100%			139	100%		
c. Come to class without completing readings or assignments	1	Never	27	25%	1.9	3.2	44	32%	1.8	3.2
	2	Sometimes	70	64%			77	56%		
	3	Often	9	8%			14	10%		
	4	Very often	4	4%			3	2%		
	Total		110	100%			138	100%		
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	1	Never	58	53%	1.7	1.8	62	45%	1.9	1.8
	2	Sometimes	32	29%			44	32%		
	3	Often	9	8%			22	16%		
	4	Very often	10	9%			11	8%		
	Total		109	100%			139	100%		
e. Asked another student to help you understand course material	1	Never	14	13%	2.3	2.2	25	18%	2.2	2.2
	2	Sometimes	58	53%			68	50%		
	3	Often	29	26%			32	24%		
	4	Very often	9	8%			11	8%		
	Total		110	100%			136	100%		

			2013				2014			
			School of Engineering		LAU	School of Engineering		LAU		
			Count	%	Mean	Mean	Count	%	Mean	Mean
f.	Explained course material to one or more students	1 Never	2	2%			0	0%		
		2 Sometimes	45	44%			33	24%		
		3 Often	36	35%	2.7	2.8	63	47%	3.0	2.8
		4 Very often	20	19%			39	29%		
		Total	103	100%			135	100%		
g.	Prepared for exams by discussing or working through course material with other students	1 Never	14	13%			8	6%		
		2 Sometimes	31	30%			47	35%		
		3 Often	41	39%	2.6	2.6	52	39%	2.7	2.5
		4 Very often	18	17%			28	21%		
		Total	104	100%			135	100%		
h.	Worked with other students on course projects or assignments	1 Never	14	14%			21	16%		
		2 Sometimes	43	42%			54	41%		
		3 Often	31	30%	2.5	2.6	40	30%	2.4	2.6
		4 Very often	15	15%			17	13%		
		Total	103	100%			132	100%		
i.	Gave a course presentation	1 Never	29	28%			60	45%		
		2 Sometimes	58	56%			51	39%		
		3 Often	14	14%	1.9	2.1	14	11%	1.8	2.0
		4 Very often	2	2%			7	5%		
		Total	103	100%			132	100%		
2. During the current school year, about how often have you done the following?										
a.	Combined ideas from different courses when completing assignments	1 Never	10	10%			12	9%		
		2 Sometimes	60	58%			57	44%		
		3 Often	28	27%	2.3	2.7	45	35%	2.5	2.7
		4 Very often	5	5%			15	12%		
		Total	103	100%			129	100%		

			2013				2014			
			School of Engineering		LAU	School of Engineering		LAU		
			Count	%	Mean	Mean	Count	%	Mean	Mean
b. Connected your learning to societal problems or issues	1	Never	10	10%	2.3	2.7	22	17%	2.4	2.7
	2	Sometimes	58	56%			46	36%		
	3	Often	33	32%			46	36%		
	4	Very often	2	2%			15	12%		
	Total		103	100%			129	100%		
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	1	Never	37	37%	1.8	2.1	55	43%	1.9	2.2
	2	Sometimes	49	49%			45	35%		
	3	Often	11	11%			19	15%		
	4	Very often	4	4%			9	7%		
	Total		101	100%			128	100%		
d. Examined the strengths and weaknesses of your own views on a topic or issue	1	Never	9	9%	2.4	2.7	7	5%	2.6	2.7
	2	Sometimes	48	47%			54	42%		
	3	Often	37	36%			49	38%		
	4	Very often	8	8%			18	14%		
	Total		102	100%			128	100%		
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	1	Never	7	7%	2.7	2.9	3	2%	3.0	2.9
	2	Sometimes	33	33%			36	28%		
	3	Often	42	42%			48	38%		
	4	Very often	18	18%			41	32%		
	Total		100	100%			128	100%		
f. Learned something that changed the way you understand an issue or concept	1	Never	5	5%	2.7	2.8	2	2%	2.9	2.9
	2	Sometimes	39	39%			38	30%		
	3	Often	37	37%			58	46%		
	4	Very often	18	18%			29	23%		
	Total		99	100%			127	100%		
g. Connected ideas from your courses to your prior experiences and knowledge	1	Never	0	0%	2.8	3.1	5	4%	3.0	3.1
	2	Sometimes	35	35%			24	19%		
	3	Often	48	48%			63	50%		
	4	Very often	18	18%			35	28%		
	Total		101	100%			127	100%		

			2013				2014			
			School of Engineering		LAU		School of Engineering		LAU	
			Count	%	Mean	Mean	Count	%	Mean	Mean
3. During the current school year, about how often have you done the following?										
a. Talked about career plans with a faculty member	1	Never	40	40%	1.9	2.0	49	38%	2.0	2.1
	2	Sometimes	37	37%			42	33%		
	3	Often	13	13%			22	17%		
	4	Very often	9	9%			16	12%		
	Total		99	100%			129	100%		
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	1	Never	67	67%	1.5	1.6	71	55%	1.7	1.7
	2	Sometimes	23	23%			34	26%		
	3	Often	7	7%			18	14%		
	4	Very often	3	3%			6	5%		
	Total		100	100%			129	100%		
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	1	Never	32	32%	2.0	2.1	34	26%	2.1	2.1
	2	Sometimes	37	37%			58	45%		
	3	Often	26	26%			23	18%		
	4	Very often	5	5%			15	12%		
	Total		100	100%			130	100%		
d. Discussed your academic performance with a faculty member	1	Never	29	29%	2.1	2.2	35	27%	2.1	2.2
	2	Sometimes	42	42%			51	40%		
	3	Often	22	22%			33	26%		
	4	Very often	7	7%			10	8%		
	Total		100	100%			129	100%		
4. During the current school year, how much has your coursework emphasized the following?										
a. Memorizing course material	1	Very little	10	10%	2.7	3.0	9	7%	2.9	3.1
	2	Some	27	27%			30	24%		
	3	Quite a bit	45	45%			47	37%		
	4	Very much	17	17%			40	32%		
	Total		99	100%			126	100%		

			2013				2014			
			School of Engineering		LAU	School of Engineering		LAU		
			Count	%	Mean	Mean	Count	%	Mean	Mean
b. Applying facts, theories, or methods to practical problems or new situations	1	Very little	3	3%	3.2	3.0	2	2%	3.3	3.1
	2	Some	17	17%			16	13%		
	3	Quite a bit	38	38%			46	36%		
	4	Very much	41	41%			63	50%		
	Total		99	100%			127	100%		
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	1	Very little	4	4%	3.1	3.0	6	5%	3.2	3.0
	2	Some	18	18%			26	21%		
	3	Quite a bit	38	39%			35	28%		
	4	Very much	38	39%			59	47%		
	Total		98	100%			126	100%		
d. Evaluating a point of view, decision, or information source	1	Very little	13	13%	2.6	2.9	9	7%	2.9	2.9
	2	Some	31	31%			32	25%		
	3	Quite a bit	38	38%			51	40%		
	4	Very much	17	17%			34	27%		
	Total		99	100%			126	100%		
e. Forming a new idea or understanding from various pieces of information	1	Very little	5	5%	2.8	2.9	10	8%	2.9	3.0
	2	Some	28	28%			33	26%		
	3	Quite a bit	47	47%			43	34%		
	4	Very much	19	19%			40	32%		
	Total		99	100%			126	100%		
5. During the current school year, to what extent have your instructors done the following?										
a. Clearly explained course goals and requirements	1	Very little	1	1%	3.1	3.3	5	0%	3.2	3.3
	2	Some	20	20%			23	0%		
	3	Quite a bit	43	43%			47	53%		
	4	Very much	35	35%			53	47%		
	Total		99	100%			128	100%		

			2013				2014			
			School of Engineering		LAU	School of Engineering		LAU		
			Count	%	Mean	Mean	Count	%	Mean	Mean
b. Taught course sessions in an organized way	1	Very little	3	3%	3.0	3.3	1	0%	3.2	3.3
	2	Some	22	22%			26	20%		
	3	Quite a bit	44	45%			47	27%		
	4	Very much	29	30%			53	53%		
	Total		98	100%			127	100%		
c. Used examples or illustrations to explain difficult points	1	Very little	2	2%	3.1	3.4	2	0%	3.3	3.4
	2	Some	21	21%			19	7%		
	3	Quite a bit	36	37%			48	40%		
	4	Very much	39	40%			58	53%		
	Total		98	100%			127	100%		
d. Provided feedback on a draft or work in progress	1	Very little	10	10%	2.5	2.8	15	13%	2.7	2.9
	2	Some	40	40%			34	13%		
	3	Quite a bit	38	38%			51	60%		
	4	Very much	11	11%			25	13%		
	Total		99	100%			125	100%		
e. Provided prompt and detailed feedback on tests or completed assignments	1	Very little	8	8%	2.6	2.7	14	20%	2.7	2.8
	2	Some	41	42%			39	27%		
	3	Quite a bit	34	35%			45	33%		
	4	Very much	15	15%			26	20%		
	Total		98	100%			124	100%		
6. During the current school year, about how often have you done the following?										
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	1	Never	10	10%	2.7	2.5	8	6%	2.8	2.6
	2	Sometimes	36	36%			34	27%		
	3	Often	28	28%			53	42%		
	4	Very often	25	25%			30	24%		
	Total		99	100%			125	100%		

			2013				2014			
			School of Engineering		LAU		School of Engineering		LAU	
			Count	%	Mean	Mean	Count	%	Mean	Mean
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	1	Never	24	24%			33	26%		
	2	Sometimes	40	41%			34	27%		
	3	Often	25	26%	2.2	2.2	35	28%	2.4	2.3
	4	Very often	9	9%			23	18%		
	Total		98	100%			125	100%		
c. Evaluated what others have concluded from numerical information	1	Never	18	19%			21	17%		
	2	Sometimes	50	52%			46	37%		
	3	Often	27	28%	2.1	2.1	44	36%	2.4	2.2
	4	Very often	2	2%			12	10%		
	Total		97	100%			123	100%		
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)										
a. Up to 5 pages	0	None	14	16%			15	13%		
	1.5	1-2	20	23%			35	31%		
	4	3-5	29	33%			27	24%		
	8	6-10	15	17%	3.0	5.4	17	15%	3.1	5.3
	13	11-15	4	5%			6	5%		
	18	16-20	3	3%			6	5%		
	23	More than 20	3	3%			6	5%		
	Total		88	100%			112	100%		
b. Between 6 and 10 pages	0	None	33	39%			33	30%		
	1.5	1-2	30	36%			41	37%		
	4	3-5	13	15%			16	15%		
	8	6-10	4	5%	2.0	3.5	6	5%	2.4	3.4
	13	11-15	2	2%			7	6%		
	18	16-20	1	1%			5	5%		
	23	More than 20	1	1%			2	2%		
Total		84	100%			110	100%			

			2013				2014			
			School of Engineering		LAU		School of Engineering		LAU	
			Count	%	Mean	Mean	Count	%	Mean	Mean
c. 11 pages or more	0	None	55	66%	1.7	2.5	65	60%	1.8	2.6
	1.5	1-2	17	20%			26	24%		
	4	3-5	5	6%			5	5%		
	8	6-10	2	2%			2	2%		
	13	11-15	1	1%			5	5%		
	18	16-20	1	1%			2	2%		
	23	More than 20	2	2%			3	3%		
	Total		83	100%			108	100%		
8. During the current school year, about how often have you had discussions with people from the following groups?										
a. People of a race or ethnicity other than your own	1	Never	13	15%	2.7	2.8	16	14%	2.7	2.9
	2	Sometimes	23	26%			35	30%		
	3	Often	27	31%			35	30%		
	4	Very often	24	28%			30	26%		
	Total		87	100%			116	100%		
b. People from an economic background other than your own	1	Never	7	8%	3.0	3.1	6	5%	3.2	3.2
	2	Sometimes	22	25%			23	20%		
	3	Often	18	21%			32	28%		
	4	Very often	40	46%			55	47%		
	Total		87	100%			116	100%		
c. People with religious beliefs other than your own	1	Never	6	7%	3.2	3.2	5	4%	3.3	3.3
	2	Sometimes	18	21%			23	20%		
	3	Often	18	21%			24	21%		
	4	Very often	45	52%			63	55%		
	Total		87	100%			115	100%		
d. People with political views other than your own	1	Never	8	9%	3.1	3.1	10	9%	3.1	3.1
	2	Sometimes	17	20%			24	21%		
	3	Often	19	22%			27	23%		
	4	Very often	43	49%			55	47%		
	Total		87	100%			116	100%		

		2013				2014				
		School of Engineering		LAU		School of Engineering		LAU		
		Count	%	Mean	Mean	Count	%	Mean	Mean	
9. During the current school year, about how often have you done the following?										
a. Identified key information from reading assignments	1	Never	5	6%	2.9	2.9	3	3%	2.9	3.0
	2	Sometimes	18	21%			30	26%		
	3	Often	48	55%			54	47%		
	4	Very often	16	18%			27	24%		
	Total		87	100%			114	100%		
b. Reviewed your notes after class	1	Never	1	1%	3.1	3.0	6	5%	3.1	3.0
	2	Sometimes	18	21%			24	21%		
	3	Often	35	40%			34	30%		
	4	Very often	33	38%			51	44%		
	Total		87	100%			115	100%		
c. Summarized what you learned in class or from course materials	1	Never	6	7%	2.9	2.9	7	6%	3.2	3.1
	2	Sometimes	24	28%			23	20%		
	3	Often	27	31%			27	24%		
	4	Very often	30	34%			56	50%		
	Total		87	100%			113	100%		
10. During the current school year, to what extent have your courses challenged you to do your best work?										
	1	Not at all	1	1%	5.2	5.4	0	0%	5.4	5.4
	2		3	3%			4	3%		
	3		6	7%			3	3%		
	4		6	7%			11	9%		
	5		36	42%			40	34%		
	6		20	23%			35	30%		
	7	Very much	14	16%			23	20%		
	Total		86	100%			116	100%		

		2013				2014			
		School of Engineering		LAU		School of Engineering		LAU	
		Count	%	Mean	Mean	Count	%	Mean	Mean
11. Which of the following have you done or do you plan to do before you graduate?									
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	Have not decided	18	21%			13	11%		
	Do not plan to do	5	6%			7	6%		
	Plan to do	58	67%	2.6	2.8	90	78%	2.8	2.8
	Done or in progress	5	6%			6	5%		
	Total	86	100%			116	100%		
b. Hold a formal leadership role in a student organization or group	Have not decided	23	27%			25	22%		
	Do not plan to do	18	21%			22	19%		
	Plan to do	37	43%	2.3	2.4	51	44%	2.5	2.4
	Done or in progress	8	9%			17	15%		
	Total	86	100%			115	100%		
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	Have not decided	28	33%			41	36%		
	Do not plan to do	21	25%			25	22%		
	Plan to do	30	35%	2.2	2.2	35	31%	2.2	2.2
	Done or in progress	6	7%			12	11%		
	Total	85	100%			113	100%		
d. Participate in a study abroad program	Have not decided	29	34%			27	24%		
	Do not plan to do	19	22%			19	17%		
	Plan to do	35	41%	2.1	2.3	64	57%	2.4	2.3
	Done or in progress	2	2%			3	3%		
	Total	85	100%			113	100%		
e. Work with a faculty member on a research project	Have not decided	27	33%			38	34%		
	Do not plan to do	10	12%			16	14%		
	Plan to do	43	52%	2.3	2.2	55	49%	2.2	2.3
	Done or in progress	3	4%			4	4%		
	Total	83	100%			113	100%		

		2013				2014			
		School of Engineering		LAU		School of Engineering		LAU	
		Count	%	Mean	Mean	Count	%	Mean	Mean
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	Have not decided	24	29%			25	22%		
	Do not plan to do	5	6%			12	10%		
	Plan to do	55	65%	2.4	2.4	77	66%	2.5	2.5
	Done or in progress	0	0%			2	2%		
	Total	84	100%			116	100%		
12. About how many of your courses at this institution have included a community-based project (service-learning)?									
	1 None	43	51%			53	47%		
	2 Some	33	39%			49	43%		
	3 Most	8	10%	1.6	1.8	10	9%	1.6	1.8
	4 All	0	0%			1	1%		
	Total	84	100%			113	100%		
13. Indicate the quality of your interactions with the following people at your institution.									
a. Students	1 Poor	2	2%			1	1%		
	2	0	0%			0	0%		
	3	1	1%			3	3%		
	4	5	6%			10	9%		
	5	22	25%	5.9	5.8	17	15%	6.0	5.8
	6	25	29%			30	26%		
	7 Excellent	32	37%			54	47%		
	— Not applicable	0	0%			0	0%		
	Total	87	100%			115	100%		

			2013				2014			
			School of Engineering		LAU		School of Engineering		LAU	
			Count	%	Mean	Mean	Count	%	Mean	Mean
b. Academic advisors	1	Poor	6	7%			5	4%		
	2		11	13%			13	12%		
	3		9	11%			12	11%		
	4		15	18%			29	26%		
	5		26	31%	4.2	4.7	24	21%	4.4	4.7
	6		10	12%			14	13%		
	7	Excellent	8	9%			15	13%		
	—	Not applicable	0	0%			0	0%		
		Total	85	100%			112	100%		
c. Faculty	1	Poor	9	11%			3	3%		
	2		7	8%			7	7%		
	3		8	9%			18	17%		
	4		21	25%			24	23%		
	5		22	26%	4.2	4.6	27	25%	4.5	4.7
	6		9	11%			18	17%		
	7	Excellent	9	11%			9	8%		
	—	Not applicable	0	0%			0	0%		
		Total	85	100%			106	100%		
d. Student services staff (career services, student activities, housing, etc.)	1	Poor	12	16%			12	12%		
	2		6	8%			5	5%		
	3		9	12%			15	15%		
	4		10	13%			25	25%		
	5		18	24%	4.2	4.3	15	15%	4.2	4.3
	6		12	16%			19	19%		
	7	Excellent	9	12%			11	11%		
	—	Not applicable	0	0%			0	0%		
		Total	76	100%			102	100%		

			2013				2014			
			School of Engineering		LAU	School of Engineering		LAU		
			Count	%	Mean	Mean	Count	%	Mean	Mean
e. Other administrative staff and offices (registrar, financial aid, etc.)	1	Poor	7	9%			7	6%		
	2		11	14%			8	7%		
	3		10	13%			17	15%		
	4		15	19%			19	17%		
	5		16	20%	4.2	4.3	23	21%	4.5	4.4
	6		14	18%			25	22%		
	7	Excellent	7	9%			13	12%		
	—	Not applicable	0	0%			0	0%		
Total			80	100%			112	100%		
14. How much does your institution emphasize the following?										
a. Spending significant amounts of time studying and on academic works	1	Very little	0	0%			0	0%		
	2	Some	11	14%			12	11%		
	3	Quite a bit	39	49%	3.2	3.3	52	48%	3.3	3.2
	4	Very much	30	38%			45	41%		
	Total			80	100%			109	100%	
b. Providing support to help students succeed academically	1	Very little	6	7%			7	6%		
	2	Some	16	20%			25	23%		
	3	Quite a bit	39	48%	2.9	3.0	53	49%	2.9	3.0
	4	Very much	20	25%			24	22%		
Total			81	100%			109	100%		
c. Using learning support services (tutoring services, writing center, etc.)	1	Very little	20	25%			22	20%		
	2	Some	17	21%			26	24%		
	3	Quite a bit	32	40%	2.4	2.7	35	32%	2.6	2.7
	4	Very much	12	15%			26	24%		
Total			81	100%			109	100%		
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	1	Very little	12	15%			11	10%		
	2	Some	10	13%			27	25%		
	3	Quite a bit	34	43%	2.9	2.8	40	37%	2.8	2.8
	4	Very much	23	29%			30	28%		
Total			79	100%			108	100%		

			2013				2014			
			School of Engineering		LAU	School of Engineering		LAU		
			Count	%	Mean	Mean	Count	%	Mean	Mean
e. Providing opportunities to be involved socially	1	Very little	8	10%	2.9	3.0	12	11%	2.8	2.9
	2	Some	16	20%			26	25%		
	3	Quite a bit	30	38%			36	34%		
	4	Very much	25	32%			31	30%		
	Total		79	100%			105	100%		
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	1	Very little	11	14%	2.6	2.8	11	10%	2.8	2.8
	2	Some	23	29%			28	26%		
	3	Quite a bit	32	40%			42	39%		
	4	Very much	14	18%			27	25%		
	Total		80	100%			108	100%		
g. Helping you manage your non-academic responsibilities (work, family, etc.)	1	Very little	27	33%	2.1	2.2	26	24%	2.3	2.4
	2	Some	26	32%			40	37%		
	3	Quite a bit	20	25%			27	25%		
	4	Very much	8	10%			16	15%		
	Total		81	100%			109	100%		
h. Attending campus activities and events (performing arts, athletic events, etc.)	1	Very little	10	13%	2.7	2.8	8	7%	2.9	2.9
	2	Some	22	28%			26	24%		
	3	Quite a bit	27	34%			45	42%		
	4	Very much	20	25%			28	26%		
	Total		79	100%			107	100%		
i. Attending events that address important social, economic, or political issues	1	Very little	9	11%	2.6	2.7	12	11%	2.7	2.8
	2	Some	26	33%			33	31%		
	3	Quite a bit	28	35%			39	37%		
	4	Very much	16	20%			22	21%		
	Total		79	100%			106	100%		

		2013				2014				
		School of Engineering		LAU	School of Engineering		LAU			
		Count	%	Mean	Mean	Count	%	Mean	Mean	
15. About how many hours do you spend in a typical 7-day week doing the following?										
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	0	0 hrs	0	0%		1	1%			
	3	1-5 hrs	8	10%		12	11%			
	8	6-10 hrs	19	23%		22	21%			
	13	11-15 hrs	18	22%		24	23%			
	18	16-20 hrs	21	26%	4.4	14.6	15	14%	4.4	14.2
	23	21-25 hrs	5	6%		16	15%			
	28	26-30 hrs	7	9%		11	10%			
	33	More than 30 hrs	3	4%		4	4%			
		Total	81	100%			105	100%		
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	0	0 hrs	31	39%		33	31%			
	3	1-5 hrs	29	36%		40	37%			
	8	6-10 hrs	16	20%		16	15%			
	13	11-15 hrs	2	3%		9	8%			
	18	16-20 hrs	2	3%	1.9	3.2	4	4%	2.3	4.2
	23	21-25 hrs	0	0%		3	3%			
	28	26-30 hrs	0	0%		1	1%			
	33	More than 30 hrs	0	0%		1	1%			
		Total	80	100%			107	100%		
c. Working for pay on campus	0	0 hrs	51	63%		61	57%			
	3	1-5 hrs	1	1%		4	4%			
	8	6-10 hrs	19	23%		28	26%			
	13	11-15 hrs	7	9%		8	7%			
	18	16-20 hrs	3	4%	1.9	2.8	3	3%	2.0	3.5
	23	21-25 hrs	0	0%		2	2%			
	28	26-30 hrs	0	0%		1	1%			
	33	More than 30 hrs	0	0%		0	0%			
		Total	81	100%			107	100%		

			2013				2014			
			School of Engineering		LAU		School of Engineering		LAU	
			Count	%	Mean	Mean	Count	%	Mean	Mean
d. Working for pay off campus	0	0 hrs	60	78%			83	79%		
	3	1-5 hrs	5	6%			8	8%		
	8	6-10 hrs	3	4%			5	5%		
	13	11-15 hrs	6	8%			4	4%		
	18	16-20 hrs	1	1%	1.6	1.9	1	1%	1.6	2.4
	23	21-25 hrs	1	1%			1	1%		
	28	26-30 hrs	1	1%			2	2%		
	33	More than 30 hrs	0	0%			1	1%		
		Total	77	100%			105	100%		
e. Doing community service or volunteer work	0	0 hrs	35	43%			46	43%		
	3	1-5 hrs	33	41%			36	34%		
	8	6-10 hrs	8	10%			13	12%		
	13	11-15 hrs	3	4%			5	5%		
	18	16-20 hrs	1	1%	1.8	2.8	2	2%	2.1	3.2
	23	21-25 hrs	1	1%			3	3%		
	28	26-30 hrs	0	0%			1	1%		
	33	More than 30 hrs	0	0%			1	1%		
		Total	81	100%			107	100%		
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	0	0 hrs	1	1%			1	1%		
	3	1-5 hrs	12	15%			22	21%		
	8	6-10 hrs	29	36%			31	30%		
	13	11-15 hrs	21	26%			20	19%		
	18	16-20 hrs	8	10%	3.7	12.7	11	11%	3.9	12.6
	23	21-25 hrs	3	4%			6	6%		
	28	26-30 hrs	4	5%			7	7%		
	33	More than 30 hrs	2	3%			5	5%		
		Total	80	100%			103	100%		

			2013				2014			
			School of Engineering		LAU		School of Engineering		LAU	
			Count	%	Mean	Mean	Count	%	Mean	Mean
g. Providing care for dependents (children, parents, etc.)	0	0 hrs	27	34%			27	26%		
	3	1-5 hrs	29	37%			33	32%		
	8	6-10 hrs	14	18%			22	21%		
	13	11-15 hrs	5	6%			7	7%		
	18	16-20 hrs	3	4%	2.2	4.9	9	9%	2.6	5.8
	23	21-25 hrs	0	0%			1	1%		
	28	26-30 hrs	0	0%			0	0%		
	33	More than 30 hrs	1	1%			4	4%		
	Total		79	100%			103	100%		
h. Commuting to campus (driving, walking, etc.)	0	0 hrs	6	8%			8	8%		
	3	1-5 hrs	45	57%			47	45%		
	8	6-10 hrs	14	18%			27	26%		
	13	11-15 hrs	10	13%			14	13%		
	18	16-20 hrs	1	1%	2.6	6.8	4	4%	2.7	7.0
	23	21-25 hrs	2	3%			3	3%		
	28	26-30 hrs	1	1%			1	1%		
	33	More than 30 hrs	0	0%			0	0%		
	Total		79	100%			104	100%		
Estimated number of hours working for pay					4.4	4.6			5.3	5.9

		2013				2014			
		School of Engineering		LAU	School of Engineering		LAU		
		Count	%	Mean	Mean	Count	%	Mean	Mean
16. Of the time you spend preparing for class in a typical 7-day week, about how many hours are on <i>assigned</i> reading?									
	0	0 hrs	6	8%		0	0%		
	3	1-5 hrs	44	56%		17	17%		
	8	6-10 hrs	14	18%		49	49%		
	13	11-15 hrs	8	10%		19	19%		
	18	16-20 hrs	3	4%	2.6	13	13%	2.3	2.6
	23	21-25 hrs	4	5%		0	0%		
	28	26-30 hrs	0	0%		1	1%		
	33	More than 30 hrs	0	0%		1	1%		
		Total	79	100%		100	100%		
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?									
a. Writing clearly and effectively	1	Very little	6	8%		3	3%		
	2	Some	13	17%		28	27%		
	3	Quite a bit	34	44%	3.0	45	44%	2.9	3.1
	4	Very much	25	32%		27	26%		
		Total	78	100%		103	100%		
b. Speaking clearly and effectively	1	Very little	6	8%		11	5%		
	2	Some	13	16%		128	63%		
	3	Quite a bit	37	47%	3.0	36	18%	2.8	3.0
	4	Very much	23	29%		27	13%		
		Total	79	100%		202	100%		
c. Thinking critically and analytically	1	Very little	0	0%		2	2%		
	2	Some	13	17%		19	18%		
	3	Quite a bit	39	50%	3.2	43	42%	3.2	3.2
	4	Very much	26	33%		39	38%		
		Total	78	100%		103	100%		

			2013				2014			
			School of Engineering		LAU		School of Engineering		LAU	
			Count	%	Mean	Mean	Count	%	Mean	Mean
d. Analyzing numerical and statistical information	1	Very little	1	1%	3.1	2.9	2	2%	3.0	2.9
	2	Some	14	18%			22	22%		
	3	Quite a bit	40	52%			50	49%		
	4	Very much	22	29%			28	27%		
	Total		77	100%			102	100%		
e. Acquiring job- or work-related knowledge and skills	1	Very little	9	12%	2.6	2.6	14	14%	2.6	2.7
	2	Some	24	32%			31	30%		
	3	Quite a bit	33	43%			42	41%		
	4	Very much	10	13%			15	15%		
	Total		76	100%			102	100%		
f. Working effectively with others	1	Very little	2	3%	2.9	3.0	6	6%	2.8	3.0
	2	Some	18	24%			30	30%		
	3	Quite a bit	42	55%			37	37%		
	4	Very much	14	18%			26	26%		
	Total		76	100%			99	100%		
g. Developing or clarifying a personal code of values and ethics	1	Very little	5	7%	2.7	2.8	6	6%	2.7	2.9
	2	Some	23	31%			37	37%		
	3	Quite a bit	37	49%			39	39%		
	4	Very much	10	13%			18	18%		
	Total		75	100%			100	100%		
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	1	Very little	2	3%	3.1	3.1	8	8%	3.0	3.1
	2	Some	16	21%			21	21%		
	3	Quite a bit	32	43%			35	34%		
	4	Very much	25	33%			38	37%		
	Total		75	100%			102	100%		
i. Solving complex real-world problems	1	Very little	14	18%	2.5	2.6	15	15%	2.6	2.6
	2	Some	21	28%			32	31%		
	3	Quite a bit	29	38%			35	34%		
	4	Very much	12	16%			20	20%		
	Total		76	100%			102	100%		

			2013				2014			
			School of Engineering		LAU		School of Engineering		LAU	
			Count	%	Mean	Mean	Count	%	Mean	Mean
j. Being an informed and active citizen	1	Very little	6	8%			8	8%		
	2	Some	24	32%			36	36%		
	3	Quite a bit	34	45%	2.7	2.8	36	36%	2.7	2.8
	4	Very much	12	16%			21	21%		
	Total		76	100%			101	100%		
18. How would you evaluate your entire educational experience at this institution?										
	1	Poor	1	1%			0	0%		
	2	Fair	8	10%			13	13%		
	3	Good	45	57%	3.2	3.2	63	62%	3.1	3.2
	4	Excellent	25	32%			25	25%		
	Total		79	100%			101	100%		
19. If you could start over again, would you go to the same <i>institution</i> you are now attending?										
	1	Definitely no	3	4%			2	2%		
	2	Probably no	7	9%			10	10%		
	3	Probably yes	34	43%	3.3	3.3	47	47%	3.3	3.3
	4	Definitely yes	35	44%			42	42%		
	Total		79	100%			101	100%		

II. NSSE - Engagement Indicators for School of Engineering - First-Year Students

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment.

The following tables list the survey questions that constitute each of the engagement indicators.

		2013		2014	
		School of Engineering Mean	LAU Mean	School of Engineering Mean	LAU Mean
<i>Academic Challenge</i>	Higher-Order Learning	38.5	39.4	41.3	40.0
	Reflective and Integrative Learning	28.6	34.2	32.3	34.8
	Learning Strategies	39.5	38.8	41.7	40.6
	Quantitative Reasoning	27.0	25.7	30.4	26.6
<i>Learning with Peers</i>	Collaborative Learning	30.2	30.7	32.1	30.6
	Discussions with Diverse Others	40.1	41.5	41.0	42.2
<i>Experiences with Faculty</i>	Student-Faculty Interaction	17.4	19.4	20.0	21.0
	Effective Teaching Practices	37.4	42.1	40.1	42.9
<i>Campus Environment</i>	Quality of Interactions	35.4	37.6	37.5	37.9
	Supportive Environment	33.2	35.0	34.5	35.5

Academic Challenge

Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: Higher-Order Learning, Reflective & Integrative Learning, Learning Strategies, and Quantitative Reasoning.

Higher-Order Learning

- 4b. Applying facts, theories, or methods to practical problems or new situations
- 4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts
- 4d. Evaluating a point of view, decision, or information source
- 4e. Forming a new idea or understanding from various pieces of information

Reflective & Integrative Learning

- 2a. Combined ideas from different courses when completing assignments
- 2b. Connected your learning to societal problems or issues
- 2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments
- 2d. Examined the strengths and weaknesses of your own views on a topic or issue
- 2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective
- 2f. Learned something that changed the way you understand an issue or concept
- 2g. Connected ideas from your courses to your prior experiences and knowledge

Learning Strategies

- 9a. Identified key information from reading assignments
- 9b. Reviewed your notes after class
- 9c. Summarized what you learned in class or from course materials

Quantitative Reasoning

- 6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)
- 6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)
- 6c. Evaluated what others have concluded from numerical information

Learning with Peers

Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: Collaborative Learning and Discussions with Diverse Others.

Collaborative Learning

- 1e. Asked another student to help you understand course material
- 1f. Explained course material to one or more students
- 1g. Prepared for exams by discussing or working through course material with other students
- 1h. Worked with other students on course projects or assignments

Discussions with Diverse Others

- 8a. People from a race or ethnicity other than your own
- 8b. People from an economic background other than your own
- 8c. People with religious beliefs other than your own
- 8d. People with political views other than your own

Experiences with Faculty

Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course material and provide feedback in student-centered ways. Two Engagement Indicators investigate this theme: Student-Faculty Interaction and Effective Teaching Practices.

Student-Faculty Interaction

- 3a. Talked about career plans with a faculty member
- 3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)
- 3c. Discussed course topics, ideas, or concepts with a faculty member outside of class
- 3d. Discussed your academic performance with a faculty member

Effective Teaching Practices

- 5a. Clearly explained course goals and requirements
- 5b. Taught course sessions in an organized way
- 5c. Used examples or illustrations to explain difficult points
- 5d. Provided feedback on a draft or work in progress
- 5e. Provided prompt and detailed feedback on tests or completed assignments

Campus Environment

Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: Quality of Interactions and Supportive Environment.

Quality of Interactions

- 13a. Students
- 13b. Academic advisors
- 13c. Faculty
- 13d. Student services staff (career services, student activities, housing, etc.)
- 13e. Other administrative staff and offices (registrar, financial aid, etc.)

Supportive Environment

- 14b. Providing support to help students succeed academically
- 14c. Using learning support services (tutoring services, writing center, etc.)
- 14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)
- 14e. Providing opportunities to be involved socially
- 14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)
- 14g. Helping you manage your non-academic responsibilities (work, family, etc.)
- 14h. Attending campus activities and events (performing arts, athletic events, etc.)
- 14i. Attending events that address important social, economic, or political issues