

\*\*\*SCHOOL N = 125; ALL OTHER IUPUI N = 729

		Engineering & Tech	All Other IUPUI Schools			IUPUI compared with									
						Urban			Doc-Int			NSSE 2002			
Variable		Mean	Other Schools' Mean	Sig <sup>a</sup>	Effect Size <sup>b</sup>	Urban Mean	Sig <sup>a</sup>	Effect Size <sup>b</sup>	Doc-Int Mean	Sig <sup>a</sup>	Effect Size <sup>b</sup>	NSSE 2002 Mean	Sig <sup>a</sup>	Effect Size <sup>b</sup>	
		1=never, 2=sometimes, 3=often, 4=very often													
a.	Asked questions in class or contributed to class discussions	CLQUEST	2.96	3.09		2.98			2.94			3.10			
b.	Made a class presentation	CLPRESEN	2.46	2.80	***	-.37	2.68	**	-.25	2.68	**	-.25	2.81	***	-.41
c.	Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP	2.49	2.73	*	-.24	2.56			2.48			2.50		
d.	Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT	3.14	3.39	***	-.35	3.25			3.23			3.33	**	-.26
e.	Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments.	DIVCLASS	2.24	2.80	***	-.60	2.67	***	-.47	2.60	***	-.39	2.73	***	-.54
f.	Came to class without completing readings or assignments	CLUNPREP	2.08	2.07			2.07			2.14			2.12		
g.	Worked with other students on projects during class	CLASSGRP	2.58	2.56			2.50			2.44			2.45		
h.	Worked with classmates outside of class to prepare class assignments	OCCGRP	2.70	2.57			2.56			2.69			2.72		
i.	Put together ideas or concepts from different courses when completing assignments or during class discussions	INTIDEAS	2.76	2.83			2.75			2.78			2.82		
j.	Tutored or taught other students (paid or voluntary)	TUTOR	1.94	1.73	*	.22	1.69	**	.28	1.77	*	.19	1.85		
k.	Participated in a community-based project as a part of a regular course	COMMPROJ	1.26	1.53	***	-.35	1.48	**	-.29	1.54	***	-.35	1.59	***	-.41

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

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<i>1=never, 2=sometimes, 3=often, 4=very often</i>														
l.	Used an electronic medium (list-serv, chat group, Internet, etc.) to discuss or complete an assignment	ITACADEM	2.79	2.95		2.70			2.75			2.76		
m.	Used email to communicate with an instructor	EMAIL	3.13	3.23		2.91	**	.25	3.00			3.07		
n.	Discussed grades or assignments with an instructor	FACGRADE	2.78	2.80		2.68			2.73			2.81		
o.	Talked about career plans with a faculty member or advisor	FACPLANS	1.97	2.18	*	2.15	*	-.20	2.29	***	-.35	2.45	***	-.51
p.	Discussed ideas from your reading or classes with faculty members outside of class	FACIDEAS	2.06	1.97		1.89	*	.21	1.96			2.09		
q.	Received prompt feedback from faculty on your academic performance (written or oral)	FACFEED	2.63	2.77		2.69			2.72			2.81	*	-.22
r.	Worked harder than you thought you could to meet an instructor's standards or expectations.	WORKHARD	2.44	2.64	*	2.63	*	-.23	2.62	*	-.21	2.68	**	-.28
s.	Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)	FACOTHER	1.55	1.52		1.51			1.65			1.82	***	-.28
t.	Discussed ideas from your readings or classes with others outside of class (students, family members, coworkers, etc.)	OOCIDEAS	2.60	2.87	***	2.78	*	-.21	2.77	*	-.21	2.86	***	-.31
u.	Had serious conversations with students of a different race or ethnicity than your own	DIVRSTUD	2.58	2.62		2.59			2.52			2.58		
v.	Had serious conversations with students who differ from you in terms of their religious beliefs, political opinions, or personal values	DIFFSTU2	2.52	2.58		2.56			2.55			2.64		

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

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1=very little, 2=some, 3=quite a bit, 4=very much

**2. Mental Activities**

a.	Memorizing facts, ideas, or methods from your courses and readings so you can repeat them in pretty much the same form	MEMORIZE	2.78	2.79		2.76		2.76		2.75				
b.	Analyzing the basic elements of an idea, experience, or theory such as examining a particular case or situation in depth and considering its components	ANALYZE	3.26	3.30		3.23		3.20		3.27				
c.	Synthesizing and organizing ideas, information, or experiences into new, more complex interpretations and relationships	SYNTHESZ	2.89	3.16	***	-.34	2.97		2.97		3.05	*	-.19	
d.	Making judgments about the value of information, arguments, or methods such as examining how others gathered and interpreted data and assessing the soundness of their conclusions	EVALUATE	2.68	3.02	***	-.39	2.84		2.85	*	-.19	2.93	**	-.29
e.	Applying theories or concepts to practical problems or in new situations	APPLYING	3.10	3.19			3.08		3.12		3.17			

**3. Reading and Writing**

1=none, 2= between 1 and 4, 3=between 5 and 10, 4=between 11 and 20, 5=more than 20

a.	Number of assigned textbooks, books, or book-length packs of course readings	READASGN	2.56	3.05	***	-.48	3.13	***	-.55	3.15	***	-.58	3.32	***	-.74
b.	Number of books read on your own (not assigned) for personal enjoyment or academic enrichment	READOWN	1.96	2.18	*	-.21	2.28	**	-.30	2.21	*	-.24	2.21	**	-.26
c.	Number of written papers or reports of 20 pages or more	WRITEMOR	1.72	1.57	*	.21	1.58	*	.19	1.62			1.65		
d.	Number of written papers or reports between 5 and 19 pages	WRITEMID	2.25	2.57	***	-.33	2.49	**	-.25	2.53	**	-.29	2.69	***	-.45
e.	Number of written papers or reports of fewer than 5 pages	WRITESML	2.71	2.90			2.90			2.99	*	-.23	3.12	***	-.34

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

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<b>4. Challenge of Examinations</b>														
<i>1=very little to 7=very much</i>														
To what extent did your exams during the current school year challenge you to do your best work?	EXAMS	5.69	5.52		5.46	*	.19	5.46	*	.19	5.51			
<b>5. Quality of Advising</b>														
<i>1=poor, 2=fair, 3=good, 4=excellent</i>														
Overall how would you evaluate the quality of academic advising you have received at your institution?	ADVISE	2.63	2.56		2.53			2.66			2.86	**	-.25	
<b>6. Enriching Educational Experiences</b>														
<i>Which of the following have you done or do you plan to do before you graduate from your institution? 0=No, 1=Yes (undecided=missing) Means are the proportion of students responding "Yes."</i>														
a. Practicum, internship, field experience, co-op experience, or clinical assignment	INTERN	0.59	.67		.72	**	-.28	.75	***	-.37	.76	***	-.39	
b. Community service or volunteer work	VOLUNTER	0.39	.55	**	-.30	.57	***	-.35	.64	***	-.52	.69	***	-.64
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	LEARNCOM	0.19	.30	*	-.24	.24			.26			.26		
d. Work on a research project with a faculty member outside of course or program requirements	RESEARCH	0.29	.23			.20	*	.22	.26			.28		
e. Foreign language coursework	FORLANG	0.22	.34	**	-.25	.35	**	-.27	.34	**	-.26	.44	***	-.45
f. Study abroad	STUDYABR	0.07	.07			.10			.14	*	-.19	.20	***	-.31
g. Independent study or self-designed major	INDSTUDY	0.27	.27			.24			.26			.31		
h. Culminating senior experience (comprehensive exam, capstone course, thesis, project, etc.)	SENIORX	0.62	.58			.58			.57			.63		

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**NSSE 2002 Means Summary School Report**  
**Indiana University-Purdue University Indianapolis**

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1=0 hrs/wk, 2=1-5 hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk, 6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=more than 30 hrs/wk

**7. Time Usage**

a.	Preparing for class (studying, reading, writing, rehearsing, and other activities related to your academic program)	ACADPR01	3.98	3.80				3.90			4.02			4.16		
b.	Working for pay on campus	WORKON01	1.65	1.61				1.54			1.74			1.88		
c.	Working for pay off campus	WORKOF01	5.60	5.12				4.99	*	.22	4.14	***	.53	3.64	***	.71
d.	Participating in co-curricular activities (organizations, campus publications, student government, etc.)	COCURR01	1.43	1.41				1.52			1.86	***	-.33	2.04	***	-.43
e.	Relaxing and socializing (watching TV, partying, exercising, etc.)	SOCIAL01	3.28	3.59				3.61	*	-.21	3.72	**	-.26	3.75	**	-.28
f.	Providing care for dependents living with you (parents, children, spouse, etc.)	CAREDE01	3.36	3.28				2.76	**	.24	2.33	***	.46	2.23	***	.51
g.	Commuting to class	COMMUTE	2.59	2.44				2.41	*	.19	2.23	***	.34	2.06	***	.52

**8. Educational and Personal Growth**

1=very little, 2=some, 3=quite a bit, 4=very much

a.	Acquiring a broad general education	GNGENLED	2.86	3.22	***	-.45		3.05	*	-.22	3.08	**	-.27	3.26	***	-.51
b.	Acquiring job or work-related knowledge and skills	GNWORK	2.85	3.02	*	-.20		2.89			2.97			2.99		
c.	Writing clearly and effectively	GNWRITE	2.81	3.08	***	-.33		2.92			2.87			3.06	**	-.30
d.	Speaking clearly and effectively	GNSPEAK	2.74	2.93	*	-.22		2.77			2.80			2.96	**	-.25

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<i>1=very little, 2=some, 3=quite a bit, 4=very much</i>															
a.	Thinking critically and analytically	GNANALY	3.32	3.31				3.18	*	.18	3.22			3.33	
b.	Analyzing quantitative problems	GNQUANT	3.27	2.92	***	.42	2.84	***	.50	2.88	***	.45	2.90	***	.43
c.	Using computing and information technology	GNCMPTS	3.44	3.12	***	.38	2.93	***	.55	3.03	***	.46	3.00	***	.49
d.	Working effectively with others	GNOTHERS	2.94	3.03			2.93			3.02			3.13	*	-.22
e.	Voting in local, state, or national elections	GNCITIZN	1.40	1.59	*	-.21	1.67	**	-.29	1.67	**	-.29	1.76	***	-.38
f.	Learning effectively on your own	GNINQ	3.03	3.03			2.96			3.00			3.11		
g.	Understanding yourself	GNSELF	2.52	2.84	***	-.33	2.75	*	-.23	2.82	**	-.30	3.01	***	-.51
h.	Understanding people of other racial and ethnic backgrounds	GNDIVERS	2.37	2.63	**	-.27	2.59	*	-.22	2.59	*	-.22	2.67	***	-.30
i.	Solving complex real-world problems	GNPROBSV	2.66	2.59			2.54			2.65			2.70		
j.	Developing a personal code of values and ethics	GNETHICS	2.35	2.48			2.43			2.55	*	-.19	2.73	***	-.38
k.	Contributing to the welfare of your community	GNCOMMUN	1.83	2.18	***	-.35	2.08	**	-.26	2.19	***	-.37	2.35	***	-.52

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<b>9. Institutional Environment</b>															
a.	Spending significant amounts of time studying and on academic work	ENVSCHOL	3.10	3.06		2.96			3.02			3.11			
b.	Providing the support you need to help you succeed academically	ENVSUPRT	2.71	2.72		2.58			2.69			2.87	*	-.18	
c.	Encouraging contact among students from different economic, social, and racial or ethnic backgrounds	ENVDIVRS	2.22	2.37		2.31			2.29			2.38			
d.	Helping you cope with your non-academic responsibilities (work, family, etc.)	ENVNACAD	1.69	1.70		1.69			1.76			1.92	**	-.25	
e.	Providing the support you need to thrive socially	ENVSOCAL	1.74	1.74		1.82			1.94	**	-.24	2.10	***	-.39	
f.	Attending campus events and activities (special speakers, cultural performances, athletic events, etc.)	ENVEVENT	1.80	1.99	*	-.20	2.11	***	-.33	2.28	***	-.51	2.51	***	-.73
<b>10. Quality of Relationships</b>															
1=unfriendly, unsupportive, sense of alienation to 7=friendly, supportive, sense of belonging															
a.	Relationships with other students	ENVSTU	5.45	5.46		5.35			5.55			5.70	*	-.19	
1=unavailable, unhelpful, unsympathetic to 7=available, helpful, sympathetic															
b.	Relationships with faculty members	ENVFAC	5.21	5.37		5.23			5.30			5.55	**	-.27	
1=unhelpful, inconsiderate, rigid to 7=helpful, considerate, flexible															
c.	Relationships with administrative personnel and offices	ENVADM	4.90	4.42	**	.29	4.22	***	.40	4.37	***	.31	4.57	*	.20
<b>Satisfaction</b>															
1=poor, 2=fair, 3=good, 4=excellent															
11.	How would you evaluate your entire educational experience at this institution?	ENTIREXP	2.94	3.08	*	-.20	2.98		3.07			3.24	***	-.42	
1=definitely no, 2=probably no, 3=probably yes, 4=definitely yes															
12.	If you could start over again, would you go to the same institution you are now attending?	SAMECOLL	3.11	2.98			2.91	**	.24	2.99		3.13			

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**Benchmark Items**

**1. Level of Academic Challenge**

*1=never, 2=sometimes, 3=often, 4=very often*

Preparing for class (studying, reading, writing, rehearsing, and other activities related to your academic program)	ACADPR01	3.98	3.80		3.90			4.02			4.16		
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*1=none, 2= between 1 and 4, 3=between 5 and 10, 4=between 11 and 20, 5=more than 20*

Number of assigned textbooks, books, or book-length packs of course readings	READASGN	2.56	3.05	***	-0.48	3.13	***	-.55	3.15	***	-.58	3.32	***	-.74
Number of written papers or reports of 20 pages or more	WRITEMOR	1.72	1.57	*	0.21	1.58	*	.19	1.62			1.65		
Number of written papers or reports between 5 and 19 pages	WRITEMID	2.25	2.57	***	-0.33	2.49	**	-.25	2.53	**	-.29	2.69	***	-.45
Number of written papers or reports of fewer than 5 pages	WRITESML	2.71	2.90			2.90			2.99	*	-.23	3.12	***	-.34

*1=very little, 2=some, 3=quite a bit, 4=very much*

Analyzing the basic elements of an idea, experience, or theory such as examining a particular case or situation in depth and considering its components	ANALYZE	3.26	3.30			3.23			3.20			3.27		
Synthesizing and organizing ideas, information, or experiences into new, more complex interpretations and relationships	SYNTHESZ	2.89	3.16	***	-0.34	2.97			2.97			3.05	*	-.19
Making judgments about the value of information, arguments, or methods such as examining how others gathered and interpreted data and assessing the soundness of their conclusions	EVALUATE	2.68	3.02	***	-0.39	2.84			2.85	*	-.19	2.93	**	-.29
Applying theories or concepts to practical problems or in new situations	APPLYING	3.10	3.19			3.08			3.12			3.17		

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1=never, 2=sometimes, 3=often, 4=very often

**2. Active and Collaborative Learning**

Asked questions in class or contributed to class discussions	CLQUEST	2.96	3.09		2.98			2.94			3.10			
Made a class presentation	CLPRESEN	2.46	2.80	***	-0.37	2.68	**	-.25	2.68	**	-.25	2.81	***	-.41
Worked with other students on projects during class	CLASSGRP	2.58	2.56			2.50			2.44			2.45		
Worked with classmates outside of class to prepare class assignments	OCCGRP	2.70	2.57			2.56			2.69			2.72		
Tutored or taught other students (paid or voluntary)	TUTOR	1.94	1.73	*	0.22	1.69	**	.28	1.77	*	.19	1.85		
Participated in a community-based project as a part of a regular course	COMMPROJ	1.26	1.53	***	-0.35	1.48	**	-.29	1.54	***	-.35	1.59	***	-.41
Discussed ideas from your readings or classes with others outside of class (students, family members, coworkers, etc.)	OOCIDEAS	2.60	2.87	***	-0.34	2.78	*	-.21	2.77	*	-.21	2.86	***	-.31

**3. Student-Faculty Interactions**

1=never, 2=sometimes, 3=often, 4=very often

Discussed grades or assignments with an instructor	FACGRADE	2.78	2.80			2.68			2.73			2.81		
Talked about career plans with a faculty member or advisor	FACPLANS	1.97	2.18	*	-0.22	2.15	*	-.20	2.29	***	-.35	2.45	***	-.51
Discussed ideas from your reading or classes with faculty members outside of class	FACIDEAS	2.06	1.97			1.89	*	.21	1.96			2.09		
Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)	FACOTHER	1.55	1.52			1.51			1.65			1.82	***	-.28
Received prompt feedback from faculty on your academic performance (written or oral)	FACFEED	2.63	2.77			2.69			2.72			2.81	*	-.22

Which of the following have you done or do you plan to do before you graduate from your institution?  
0=No, 1=Yes (undecided=missing) Means are the proportion of students responding "Yes."

Work on a research project with a faculty member outside of course or program	RESEARCH	0.29	0.23			.20	*	.22	.26			.28		
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1=0 hrs/wk, 2=1-5 hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk,  
6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=more than 30 hrs/wk

**4. Enriching Educational Experiences**

Participating in co-curricular activities (organizations, campus publications, student government, etc.)	COCURR01	1.43	1.41		1.52			1.86	***	-.33	2.04	***	-.43
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Which of the following have you done or do you plan to do before you graduate from your institution?  
0=No, 1=Yes (undecided=missing) Means are the proportion of students responding "Yes."

Practicum, internship, field experience, co-op experience, or clinical assignment	INTERN	0.59	0.67		.72	**	-.28	.75	***	-.37	.76	***	-.39	
Community service or volunteer work	VOLUNTER	0.39	0.55	**	-0.30	.57	***	-.35	.64	***	-.52	.69	***	-.64
Foreign language coursework	FORLANG	0.22	0.34	**	-0.25	.35	**	-.27	.34	**	-.26	.44	***	-.45
Study abroad	STUDYABR	0.07	0.07		.10			.14	*	-.19	.20	***	-.31	
Independent study or self-designed major	INDSTUDY	0.27	0.27		.24			.26			.31			
Culminating senior experience (comprehensive exam, capstone course, thesis, project, etc.)	SENIORX	0.62	0.58		.58			.57			.63			

1=never, 2=sometimes, 3=often, 4=very often

Had serious conversations with students of a different race or ethnicity than your own	DIVRSTUD	2.58	2.62		2.59			2.52			2.58		
Had serious conversations with students who differ from you in terms of their religious beliefs, political opinions, or personal values	DIFFSTU2	2.52	2.58		2.56			2.55			2.64		
Used an electronic medium (list-serv, chat group, Internet, etc.) to discuss or complete an assignment	ITACADEM	2.79	2.95		2.70			2.75			2.76		

1=very little, 2=some, 3=quite a bit, 4=very much

Encouraging contact among students from different economic, social, and racial or ethnic backgrounds	ENVDIVRS	2.22	2.37		2.31			2.29			2.38		
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<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>b</sup> Effect size=mean difference divided by comparison group standard deviation.

**NSSE 2002 Means Summary School Report**  
**Indiana University-Purdue University Indianapolis**

\*\*\*SCHOOL N = 125; ALL OTHER IUPUI N = 729

Variable	Engineering & Tech	All Other IUPUI Schools		IUPUI compared with									
		Urban	Doc-Int	Urban			Doc-Int			NSSE 2002			
	Mean	Other Schools' Mean	Sig <sup>a</sup>	Effect Size <sup>b</sup>	Mean	Sig <sup>a</sup>	Effect Size <sup>b</sup>	Mean	Sig <sup>a</sup>	Effect Size <sup>b</sup>	Mean	Sig <sup>a</sup>	Effect Size <sup>b</sup>

5. **Supportive Campus Environment**

1=very little, 2=some, 3=quite a bit, 4=very much

Providing the support you need to help you succeed academically	ENVSUPRT	2.71	2.72		2.58			2.69			2.87	*	-.18			
Helping you cope with your non-academic responsibilities (work, family, etc.)	ENVNACAD	1.69	1.70		1.69			1.76			1.92	**	-.25			
Providing the support you need to thrive socially	ENVSOCAL	1.74	1.74		1.82			1.94	**	-.24	2.10	***	-.39			
<i>1=unfriendly, unsupportive, sense of alienation to 7=friendly, supportive, sense of belonging</i>																
Relationships with other students	ENVSTU	5.45	5.46		5.35			5.55			5.70	*	-.19			
<i>1=unavailable, unhelpful, unsympathetic to 7=available, helpful, sympathetic</i>																
Relationships with faculty members	ENVFAC	5.21	5.37		5.23			5.30			5.55	**	-.27			
<i>1=unhelpful, inconsiderate, rigid to 7=helpful, considerate, flexible</i>																
Relationships with administrative personnel and offices	ENVADM	4.90	4.42	**	0.29			4.22	***	.40	4.37	***	.31	4.57	*	.20

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>b</sup> Effect size=mean difference divided by comparison group standard deviation.