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**The University of Arizona**  
*NSSE 2012 Major Field Report*  
*Part II. Comparisons to Other Institutions*  
**Biological Sciences**

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*Comparing your students majoring in Biological Sciences fields to those  
in Biological Sciences fields at your comparison group institutions*

*The major field report category 'Biological Sciences' includes the following majors: Biology (general); Biochemistry or biophysics; Botany; Environmental science; Marine (life) science; Microbiology or bacteriology; Zoology; Other biological science.*



*Frequency Distributions*  
*Biological Sciences*

**The University of Arizona**  
*NSSE 2012 Major Field Report*  
*Part II. Comparisons to Other Institutions*

## NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions

### *Interpreting the Frequency Distributions*

#### Sample

This report is based on information from all randomly selected or census-administered Biological Sciences students for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not included.

#### Variable Names

The name of each variable appears in the first column for easy reference to your raw data file.

#### Survey Item

The items from the NSSE survey appear in the left column in the same order and wording as they appear on the instrument.

#### Benchmark

Items that make up the five "Benchmarks of Effective Educational Practice" are indicated by the following:

- LAC:** Level of Academic Challenge
- ACL:** Active and Collaborative Learning
- SFI:** Student-Faculty Interaction
- EEE:** Enriching Educational
- SCE:** Supportive Campus Environment

#### Response Options

Response options are listed as they appear on the instrument.

#### Class

Frequency distributions are given separately by institution-reported class level. Of course, first-year student majors may be unstable, and their results should be interpreted with caution.

Variable	Response Options	First-Year Students								Seniors								
		NSSEville State		Mid East Private		Carnegie Class		NSSE 2012		NSSEville State		Mid East Private		Carnegie Class		NSSE 2012		
		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
la. Asked questions in class or contributed to class discussions	CLQUEST (ACL)	Never	0	0%	21	1%	87	2%	358	2%	2	2%	33	1%	86	1%	344	1%
	Sometimes	27	25%	432	21%	1,619	31%	5,773	28%	20	17%	391	14%	1,757	20%	5,623	18%	
	Often	36	34%	721	35%	1,894	36%	7,319	35%	27	23%	757	28%	2,662	30%	8,997	30%	
	Very often	44	41%	882	43%	1,688	32%	7,196	35%	70	59%	1,547	57%	4,235	48%	15,469	51%	
	<b>Total</b>	<b>107</b>	<b>100%</b>	<b>2,056</b>	<b>100%</b>	<b>5,288</b>	<b>100%</b>	<b>20,646</b>	<b>100%</b>	<b>119</b>	<b>100%</b>	<b>2,728</b>	<b>100%</b>	<b>8,740</b>	<b>100%</b>	<b>30,433</b>	<b>100%</b>	
lb. Made a class presentation	CLPRESEN (ACL)	Never	9	8%	141	7%	437	8%	2,050	10%	15	13%	181	7%	328	4%	1,464	5%
	Sometimes	44	42%	1,024	50%	2,650	50%	10,505	51%	32	27%	829	30%	2,923	33%	10,934	36%	
	Often	39	37%	620	30%	1,633	31%	5,904	29%	42	36%	1,047	38%	3,411	39%	11,451	38%	
	Very often	14	13%	272	13%	559	11%	2,175	11%	29	25%	672	25%	2,078	24%	6,604	22%	
	<b>Total</b>	<b>106</b>	<b>100%</b>	<b>2,057</b>	<b>100%</b>	<b>5,279</b>	<b>100%</b>	<b>20,634</b>	<b>100%</b>	<b>118</b>	<b>100%</b>	<b>2,729</b>	<b>100%</b>	<b>8,740</b>	<b>100%</b>	<b>30,453</b>	<b>100%</b>	
lc. Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP	Never	15	14%	293	14%	674	13%	2,832	14%	23	19%	461	17%	1,339	15%	5,035	17%
	Sometimes	24	22%	744	36%	1,656	31%	6,852	33%	42	36%	1,049	39%	3,226	37%	11,403	38%	
	Often	36	34%	622	30%	1,685	32%	6,493	32%	27	23%	661	24%	2,289	26%	7,686	25%	
	Very often	32	30%	387	19%	1,252	24%	4,382	21%	26	22%	552	20%	1,869	21%	6,243	21%	
	<b>Total</b>	<b>107</b>	<b>100%</b>	<b>2,046</b>	<b>100%</b>	<b>5,267</b>	<b>100%</b>	<b>20,559</b>	<b>100%</b>	<b>118</b>	<b>100%</b>	<b>2,723</b>	<b>100%</b>	<b>8,723</b>	<b>100%</b>	<b>30,367</b>	<b>100%</b>	

#### Count

The Count column represents the actual number of students who selected the particular option in each question.

#### Column Percentage (%)

The '%' column represents the percentage of students who selected the particular option in each question.

#### Weighting

All results displayed in this report are unweighted.

#### BETWEEN Institution Comparisons on Major Categories

NSSE data serve to identify institutional strengths and weaknesses in reference to selected comparison institutions, yet institution-level comparisons may not capture important variation in student engagement that can be found within key sub-populations such as major. This report displays the frequency distributions for the Biological Sciences major category at your institution and at your selected comparison institutions.

#### Major Categories

Self-reported majors (primary major if two were reported) were identified from the survey. Institutions had the option to customize how these were grouped, using up to eight related-major categories.

Major categories with fewer than five respondents in a given class are not reported. Comparison groups must contain at least three institutions with five or more respondents in the major category, or they remain blank.

**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students								Seniors								
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
1a.	Asked questions in class or contributed to class discussions	CLQUEST (ACL)	Never	8	5%	23	5%	77	5%	318	3%	6	4%	26	5%	72	4%	272	3%
Sometimes			63	38%	202	42%	639	43%	3,679	36%	67	41%	201	37%	603	37%	3,077	29%	
Often			59	35%	156	33%	479	33%	3,451	34%	52	32%	163	30%	494	31%	3,333	31%	
Very often			38	23%	99	21%	274	19%	2,803	27%	40	24%	152	28%	445	28%	3,967	37%	
Total		168	100%	480	100%	1,469	100%	10,251	100%	165	100%	542	100%	1,614	100%	10,649	100%		
1b.	Made a class presentation	CLPRESEN (ACL)	Never	25	15%	86	18%	299	20%	1,516	15%	15	9%	52	10%	193	12%	740	7%
Sometimes			96	57%	293	61%	830	57%	5,615	55%	90	54%	257	48%	849	53%	4,214	40%	
Often			36	22%	79	17%	265	18%	2,431	24%	48	29%	159	29%	417	26%	3,733	35%	
Very often			10	6%	19	4%	68	5%	678	7%	14	8%	73	13%	151	9%	1,948	18%	
Total	167	100%	477	100%	1,462	100%	10,240	100%	167	100%	541	100%	1,610	100%	10,635	100%			
1c.	Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP	Never	20	12%	83	17%	242	17%	1,360	13%	33	20%	93	17%	314	20%	1,713	16%
Sometimes			49	29%	137	29%	441	30%	3,076	30%	67	41%	216	40%	650	40%	4,158	39%	
Often			54	32%	155	33%	476	33%	3,275	32%	39	24%	142	26%	420	26%	2,956	28%	
Very often			44	26%	100	21%	299	21%	2,476	24%	25	15%	90	17%	223	14%	1,771	17%	
Total		167	100%	475	100%	1,458	100%	10,187	100%	164	100%	541	100%	1,607	100%	10,598	100%		
1d.	Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT	Never	1	1%	13	3%	38	3%	203	2%	2	1%	12	2%	52	3%	180	2%
Sometimes			33	20%	111	23%	300	21%	1,851	18%	28	17%	83	15%	266	17%	1,367	13%	
Often			74	44%	209	44%	623	43%	4,296	42%	73	45%	205	38%	606	38%	3,906	37%	
Very often			60	36%	146	30%	495	34%	3,878	38%	60	37%	240	44%	684	43%	5,185	49%	
Total		168	100%	479	100%	1,456	100%	10,228	100%	163	100%	540	100%	1,608	100%	10,638	100%		
1e.	Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS	Never	8	5%	45	9%	130	9%	715	7%	19	12%	70	13%	224	14%	1,208	11%
Sometimes			62	37%	168	35%	501	34%	3,300	32%	60	37%	192	35%	610	38%	4,012	38%	
Often			64	39%	163	34%	536	37%	3,743	37%	54	33%	153	28%	472	29%	3,356	32%	
Very often			32	19%	100	21%	290	20%	2,460	24%	30	18%	126	23%	301	19%	2,061	19%	
Total		166	100%	476	100%	1,457	100%	10,218	100%	163	100%	541	100%	1,607	100%	10,637	100%		
1f.	Come to class without completing readings or assignments	CLUNPREP	Never	30	18%	135	28%	395	27%	3,184	31%	20	12%	90	17%	294	18%	2,383	22%
Sometimes			106	63%	257	53%	816	56%	5,584	54%	102	61%	313	58%	905	56%	6,109	57%	
Often			21	13%	60	12%	171	12%	1,006	10%	29	17%	100	18%	274	17%	1,447	14%	
Very often			10	6%	30	6%	83	6%	475	5%	15	9%	38	7%	136	8%	707	7%	
Total		167	100%	482	100%	1,465	100%	10,249	100%	166	100%	541	100%	1,609	100%	10,646	100%		
1g.	Worked with other students on projects during class	CLASSGRP (ACL)	Never	19	11%	85	18%	243	17%	1,390	14%	21	13%	79	15%	281	17%	1,394	13%
Sometimes			71	43%	216	45%	673	46%	4,450	43%	84	51%	267	49%	760	47%	4,844	45%	
Often			62	37%	128	27%	393	27%	3,143	31%	45	27%	135	25%	401	25%	3,080	29%	
Very often			14	8%	52	11%	154	11%	1,258	12%	16	10%	59	11%	170	11%	1,345	13%	
Total		166	100%	481	100%	1,463	100%	10,241	100%	166	100%	540	100%	1,612	100%	10,663	100%		

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**The University of Arizona**

			First-Year Students								Seniors							
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
lh.	Worked with classmates outside of class to prepare class assignments	OCCGRP	5	3%	38	8%	143	10%	921	9%	12	7%	38	7%	127	8%	603	6%
(ACL)		Sometimes	51	31%	186	39%	596	41%	3,855	38%	60	36%	214	39%	647	40%	3,661	34%
		Often	74	45%	168	35%	487	33%	3,626	35%	55	33%	189	35%	549	34%	3,991	37%
		Very often	36	22%	90	19%	244	17%	1,872	18%	40	24%	101	19%	293	18%	2,416	23%
		Total		166	100%	482	100%	1,470	100%	10,274	100%	167	100%	542	100%	1,616	100%	10,671
li.	Put together ideas or concepts from different courses when completing assignments or during class discussions	INTIDEAS	13	8%	34	7%	93	6%	565	6%	2	1%	13	2%	46	3%	283	3%
		Sometimes	69	41%	197	41%	553	38%	3,778	37%	58	35%	171	32%	492	31%	2,832	27%
		Often	65	39%	169	35%	560	38%	3,993	39%	58	35%	218	41%	686	43%	4,568	43%
		Very often	20	12%	79	16%	261	18%	1,891	18%	48	29%	135	25%	380	24%	2,931	28%
		Total		167	100%	479	100%	1,467	100%	10,227	100%	166	100%	537	100%	1,604	100%	10,614
lj.	Tutored or taught other students (paid or voluntary)	TUTOR	59	35%	219	46%	632	43%	4,442	43%	39	23%	200	37%	555	34%	3,340	31%
(ACL)		Sometimes	65	39%	158	33%	518	35%	3,663	36%	58	35%	175	32%	552	34%	3,854	36%
		Often	35	21%	72	15%	219	15%	1,439	14%	37	22%	82	15%	271	17%	1,748	16%
		Very often	8	5%	31	6%	96	7%	697	7%	32	19%	86	16%	231	14%	1,693	16%
		Total		167	100%	480	100%	1,465	100%	10,241	100%	166	100%	543	100%	1,609	100%	10,635
lk.	Participated in a community-based project (e.g. service learning) as part of a regular course	COMMPROJ	104	63%	332	70%	973	67%	5,859	57%	104	63%	353	65%	994	62%	5,607	53%
(ACL)		Sometimes	48	29%	92	19%	305	21%	2,743	27%	37	23%	114	21%	392	24%	3,309	31%
		Often	9	5%	29	6%	113	8%	1,077	11%	15	9%	43	8%	133	8%	1,063	10%
		Very often	4	2%	24	5%	68	5%	530	5%	8	5%	30	6%	82	5%	612	6%
		Total		165	100%	477	100%	1,459	100%	10,209	100%	164	100%	540	100%	1,601	100%	10,591
ll.	Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment	ITACADEM	8	5%	44	9%	169	12%	1,430	14%	7	4%	39	7%	175	11%	1,222	11%
(EEE)		Sometimes	44	26%	131	27%	412	28%	2,822	28%	47	28%	168	31%	482	30%	3,154	30%
		Often	56	33%	144	30%	400	27%	2,954	29%	44	27%	147	27%	436	27%	2,876	27%
		Very often	60	36%	161	34%	485	33%	3,042	30%	68	41%	186	34%	512	32%	3,386	32%
		Total		168	100%	480	100%	1,466	100%	10,248	100%	166	100%	540	100%	1,605	100%	10,638
lm.	Used e-mail to communicate with an instructor	EMAIL	1	1%	8	2%	25	2%	94	1%	0	0%	1	0%	9	1%	47	0%
		Sometimes	31	18%	100	21%	319	22%	1,625	16%	31	19%	87	16%	251	16%	1,138	11%
		Often	50	30%	172	36%	534	36%	3,550	35%	58	35%	164	30%	526	33%	3,006	28%
		Very often	86	51%	201	42%	590	40%	4,982	49%	77	46%	289	53%	820	51%	6,430	61%
		Total		168	100%	481	100%	1,468	100%	10,251	100%	166	100%	541	100%	1,606	100%	10,621
ln.	Discussed grades or assignments with an instructor	FACGRADE	16	10%	55	12%	145	10%	702	7%	10	6%	40	7%	111	7%	447	4%
(SFI)		Sometimes	71	42%	213	45%	667	46%	3,978	39%	73	45%	256	47%	705	44%	3,555	33%
		Often	43	26%	128	27%	407	28%	3,237	32%	48	29%	139	26%	464	29%	3,613	34%
		Very often	38	23%	81	17%	244	17%	2,312	23%	33	20%	105	19%	321	20%	3,023	28%
		Total		168	100%	477	100%	1,463	100%	10,229	100%	164	100%	540	100%	1,601	100%	10,638



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**First-Year Students**

**Seniors**

	Variable	Response Options	Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1o. Talked about career plans with a faculty member or advisor	FACPLANS (SFI)	Never	28	17%	115	24%	272	19%	1,789	18%	17	10%	70	13%	209	13%	1,079	10%
		Sometimes	84	51%	227	48%	686	47%	4,602	45%	81	49%	262	48%	719	45%	4,068	38%
		Often	41	25%	91	19%	338	23%	2,491	24%	41	25%	131	24%	442	28%	3,053	29%
		Very often	12	7%	44	9%	166	11%	1,337	13%	26	16%	80	15%	236	15%	2,429	23%
	Total		165	100%	477	100%	1,462	100%	10,219	100%	165	100%	543	100%	1,606	100%	10,629	100%
1p. Discussed ideas from your readings or classes with faculty members outside of class	FACIDEAS (SFI)	Never	61	36%	202	42%	626	43%	3,849	38%	48	29%	177	33%	526	33%	2,578	24%
		Sometimes	69	41%	183	38%	549	37%	4,010	39%	77	46%	237	44%	733	45%	4,742	44%
		Often	26	15%	68	14%	212	14%	1,603	16%	29	17%	79	15%	237	15%	2,120	20%
		Very often	12	7%	28	6%	80	5%	787	8%	12	7%	50	9%	115	7%	1,217	11%
	Total		168	100%	481	100%	1,467	100%	10,249	100%	166	100%	543	100%	1,611	100%	10,657	100%
1q. Received prompt written or oral feedback from faculty on your academic performance	FACFEED (SFI)	Never	7	4%	38	8%	115	8%	629	6%	9	5%	44	8%	121	8%	512	5%
		Sometimes	67	40%	184	38%	558	38%	3,280	32%	56	34%	214	40%	577	36%	3,173	30%
		Often	74	44%	188	39%	574	39%	4,281	42%	80	48%	194	36%	648	40%	4,679	44%
		Very often	20	12%	69	14%	220	15%	2,066	20%	22	13%	85	16%	263	16%	2,288	21%
	Total		168	100%	479	100%	1,467	100%	10,256	100%	167	100%	537	100%	1,609	100%	10,652	100%
1r. Worked harder than you thought you could to meet an instructor's standards or expectations	WORKHARD (LAC)	Never	9	5%	29	6%	105	7%	518	5%	10	6%	63	12%	145	9%	606	6%
		Sometimes	54	32%	176	37%	504	34%	3,269	32%	69	41%	169	32%	596	37%	3,409	32%
		Often	78	46%	181	38%	564	38%	4,089	40%	56	34%	200	37%	573	36%	4,117	39%
		Very often	27	16%	96	20%	294	20%	2,363	23%	32	19%	104	19%	294	18%	2,499	24%
	Total		168	100%	482	100%	1,467	100%	10,239	100%	167	100%	536	100%	1,608	100%	10,631	100%
1s. Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)	FACOTHER (SFI)	Never	96	57%	315	66%	888	61%	5,281	52%	55	33%	239	45%	690	43%	3,713	35%
		Sometimes	50	30%	111	23%	371	25%	3,059	30%	66	40%	150	28%	509	32%	3,632	34%
		Often	13	8%	36	8%	146	10%	1,259	12%	24	15%	87	16%	243	15%	1,876	18%
		Very often	9	5%	15	3%	56	4%	606	6%	20	12%	60	11%	162	10%	1,392	13%
	Total		168	100%	477	100%	1,461	100%	10,205	100%	165	100%	536	100%	1,604	100%	10,613	100%
1t. Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)	OOCIDEAS (ACL)	Never	13	8%	23	5%	81	6%	551	5%	4	2%	23	4%	67	4%	348	3%
		Sometimes	62	37%	161	33%	508	35%	3,314	32%	52	31%	158	29%	465	29%	2,911	27%
		Often	60	36%	174	36%	506	35%	3,629	36%	59	36%	198	37%	619	39%	4,096	39%
		Very often	32	19%	123	26%	371	25%	2,725	27%	51	31%	157	29%	455	28%	3,283	31%
	Total		167	100%	481	100%	1,466	100%	10,219	100%	166	100%	536	100%	1,606	100%	10,638	100%
1u. Had serious conversations with students of a different race or ethnicity than your own	DIVRSTUD (EEE)	Never	16	10%	41	9%	190	13%	1,318	13%	15	9%	53	10%	190	12%	1,216	11%
		Sometimes	45	27%	126	26%	415	28%	3,086	30%	36	22%	150	28%	479	30%	3,320	31%
		Often	52	31%	127	26%	397	27%	2,834	28%	59	35%	142	26%	444	28%	3,006	28%
		Very often	55	33%	187	39%	466	32%	3,025	29%	57	34%	194	36%	497	31%	3,109	29%
	Total		168	100%	481	100%	1,468	100%	10,263	100%	167	100%	539	100%	1,610	100%	10,651	100%

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**The University of Arizona**

			First-Year Students								Seniors								
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
1v.	Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values	DIFFSTU2 (EEE)	Never	14	8%	34	7%	125	8%	1,064	10%	9	5%	45	8%	127	8%	950	9%
			Sometimes	55	33%	148	31%	448	30%	3,110	30%	57	34%	177	33%	522	32%	3,382	32%
			Often	45	27%	135	28%	441	30%	2,988	29%	47	28%	133	25%	479	30%	3,220	30%
			Very often	54	32%	165	34%	458	31%	3,102	30%	54	32%	183	34%	482	30%	3,105	29%
			Total	168	100%	482	100%	1,472	100%	10,264	100%	167	100%	538	100%	1,610	100%	10,657	100%
2a.	Coursework emphasizes: <b>Memorizing</b> facts, ideas, or methods from your courses and readings	MEMORIZE	Very little	3	2%	27	6%	61	4%	393	4%	12	7%	11	2%	39	2%	361	3%
			Some	35	21%	106	22%	302	21%	1,937	19%	29	17%	111	20%	260	16%	1,906	18%
			Quite a bit	73	43%	180	37%	571	39%	3,866	38%	62	37%	163	30%	569	35%	3,725	35%
			Very much	57	34%	170	35%	537	37%	4,066	40%	64	38%	258	48%	748	46%	4,665	44%
			Total	168	100%	483	100%	1,471	100%	10,262	100%	167	100%	543	100%	1,616	100%	10,657	100%
2b.	Coursework emphasizes: <b>Analyzing</b> the basic elements of an idea, experience, or theory	ANALYZE (LAC)	Very little	3	2%	6	1%	16	1%	111	1%	1	1%	13	2%	26	2%	113	1%
			Some	20	12%	44	9%	181	12%	1,193	12%	20	12%	58	11%	197	12%	1,096	10%
			Quite a bit	67	40%	204	43%	617	42%	4,135	40%	66	40%	212	39%	651	40%	4,079	38%
			Very much	76	46%	225	47%	652	44%	4,774	47%	80	48%	260	48%	736	46%	5,324	50%
			Total	166	100%	479	100%	1,466	100%	10,213	100%	167	100%	543	100%	1,610	100%	10,612	100%
2c.	Coursework emphasizes: <b>Synthesizing</b> and organizing ideas, information, or experiences	SYNTHESZ (LAC)	Very little	3	2%	6	1%	34	2%	266	3%	8	5%	19	4%	51	3%	276	3%
			Some	33	20%	88	18%	295	20%	2,001	20%	35	21%	103	19%	350	22%	1,890	18%
			Quite a bit	70	42%	194	40%	597	41%	4,155	41%	51	31%	218	40%	624	39%	3,973	38%
			Very much	61	37%	193	40%	536	37%	3,786	37%	73	44%	199	37%	582	36%	4,449	42%
			Total	167	100%	481	100%	1,462	100%	10,208	100%	167	100%	539	100%	1,607	100%	10,588	100%
2d.	Coursework emphasizes: <b>Making judgments</b> about the value of information, arguments, or methods	EVALUATE (LAC)	Very little	6	4%	22	5%	66	5%	384	4%	13	8%	37	7%	107	7%	485	5%
			Some	33	20%	116	24%	369	25%	2,405	24%	37	22%	132	25%	438	27%	2,416	23%
			Quite a bit	72	43%	211	44%	620	42%	4,124	40%	58	35%	209	39%	602	37%	3,996	38%
			Very much	57	34%	131	27%	409	28%	3,315	32%	58	35%	159	30%	462	29%	3,725	35%
			Total	168	100%	480	100%	1,464	100%	10,228	100%	166	100%	537	100%	1,609	100%	10,622	100%
2e.	Coursework emphasizes: <b>Applying</b> theories or concepts to practical problems or in new situations	APPLYING (LAC)	Very little	4	2%	11	2%	36	2%	241	2%	4	2%	19	3%	52	3%	290	3%
			Some	30	18%	84	17%	259	18%	1,683	16%	25	15%	93	17%	291	18%	1,597	15%
			Quite a bit	50	30%	169	35%	529	36%	3,769	37%	52	32%	190	35%	611	38%	3,757	35%
			Very much	84	50%	219	45%	649	44%	4,556	44%	84	51%	241	44%	660	41%	4,997	47%
			Total	168	100%	483	100%	1,473	100%	10,249	100%	165	100%	543	100%	1,614	100%	10,641	100%
3a.	Number of assigned textbooks, books, or book-length packs of course readings	READASGN (LAC)	None	1	1%	0	0%	5	0%	56	1%	3	2%	7	1%	24	1%	122	1%
			1-4	34	20%	78	16%	288	20%	1,914	19%	65	39%	167	31%	542	34%	3,092	29%
			5-10	74	44%	220	46%	677	46%	4,446	43%	68	41%	209	39%	624	39%	4,250	40%
			11-20	41	24%	125	26%	329	22%	2,486	24%	13	8%	91	17%	245	15%	1,930	18%
			More than 20	19	11%	58	12%	171	12%	1,344	13%	18	11%	68	13%	173	11%	1,250	12%
			Total	169	100%	481	100%	1,470	100%	10,246	100%	167	100%	542	100%	1,608	100%	10,644	100%

**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

**First-Year Students**

**Seniors**

	Variable	Response Options	Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
3b. Number of books read on your own (not assigned) for personal enjoyment or academic enrichment	READOWN	None	44	26%	136	28%	380	26%	2,615	26%	30	18%	133	25%	329	20%	2,369	22%
		1-4	98	58%	256	53%	790	54%	5,568	54%	89	53%	297	55%	885	55%	5,606	53%
		5-10	21	13%	71	15%	194	13%	1,327	13%	36	22%	67	12%	253	16%	1,683	16%
		11-20	2	1%	11	2%	53	4%	399	4%	4	2%	24	4%	74	5%	559	5%
		More than 20	3	2%	5	1%	51	3%	341	3%	8	5%	18	3%	70	4%	433	4%
	Total	168	100%	479	100%	1,468	100%	10,250	100%	167	100%	539	100%	1,611	100%	10,650	100%	
3c. Number of written papers or reports of <b>20 pages or more</b>	WRITEMOR (LAC)	None	130	77%	422	88%	1,245	85%	8,679	85%	115	69%	328	60%	969	60%	5,838	55%
		1-4	25	15%	44	9%	164	11%	1,142	11%	48	29%	178	33%	543	34%	4,078	38%
		5-10	7	4%	8	2%	31	2%	221	2%	4	2%	27	5%	64	4%	460	4%
		11-20	4	2%	4	1%	16	1%	99	1%	0	0%	4	1%	21	1%	162	2%
		More than 20	2	1%	4	1%	15	1%	105	1%	0	0%	6	1%	14	1%	109	1%
	Total	168	100%	482	100%	1,471	100%	10,246	100%	167	100%	543	100%	1,611	100%	10,647	100%	
3d. Number of written papers or reports <b>between 5 and 19 pages</b>	WRITEMID (LAC)	None	14	8%	63	13%	199	13%	1,372	13%	24	14%	58	11%	188	12%	1,094	10%
		1-4	76	45%	218	45%	802	54%	5,551	54%	83	50%	255	47%	797	50%	5,024	47%
		5-10	56	33%	163	34%	382	26%	2,578	25%	44	26%	156	29%	414	26%	3,076	29%
		11-20	19	11%	37	8%	85	6%	630	6%	12	7%	48	9%	143	9%	1,029	10%
		More than 20	4	2%	2	0%	7	0%	137	1%	4	2%	23	4%	67	4%	436	4%
	Total	169	100%	483	100%	1,475	100%	10,268	100%	167	100%	540	100%	1,609	100%	10,659	100%	
3e. Number of written papers or reports of <b>fewer than 5 pages</b>	WRITESML (LAC)	None	3	2%	18	4%	49	3%	296	3%	8	5%	35	6%	119	7%	647	6%
		1-4	51	30%	187	39%	544	37%	3,374	33%	55	33%	188	35%	573	36%	3,656	34%
		5-10	56	33%	183	38%	554	38%	3,593	35%	54	32%	156	29%	477	30%	3,065	29%
		11-20	35	21%	66	14%	230	16%	2,003	19%	36	22%	93	17%	267	17%	1,929	18%
		More than 20	24	14%	27	6%	97	7%	1,021	10%	14	8%	72	13%	178	11%	1,383	13%
	Total	169	100%	481	100%	1,474	100%	10,287	100%	167	100%	544	100%	1,614	100%	10,680	100%	
4a. Number of problem sets that take you <b>more</b> than an hour to complete	PROBSETA	None	3	2%	35	7%	98	7%	756	7%	15	9%	93	17%	265	16%	1,590	15%
		1-2	51	30%	137	29%	476	32%	3,237	32%	66	40%	230	42%	680	42%	3,893	37%
		3-4	75	44%	169	35%	520	35%	3,524	34%	47	28%	121	22%	368	23%	2,817	26%
		5-6	20	12%	57	12%	153	10%	1,197	12%	17	10%	30	6%	112	7%	970	9%
		More than 6	20	12%	82	17%	225	15%	1,559	15%	20	12%	69	13%	192	12%	1,391	13%
	Total	169	100%	480	100%	1,472	100%	10,273	100%	165	100%	543	100%	1,617	100%	10,661	100%	
4b. Number of problem sets that take you <b>less</b> than an hour to complete	PROBSETB	None	16	9%	75	16%	186	13%	1,199	12%	42	25%	178	33%	473	29%	2,778	26%
		1-2	50	30%	167	35%	533	36%	3,710	36%	75	45%	213	39%	633	39%	3,981	37%
		3-4	45	27%	112	23%	363	25%	2,564	25%	32	19%	76	14%	258	16%	2,009	19%
		5-6	27	16%	53	11%	156	11%	1,214	12%	4	2%	30	6%	95	6%	732	7%
		More than 6	31	18%	73	15%	233	16%	1,578	15%	14	8%	43	8%	151	9%	1,144	11%
	Total	169	100%	480	100%	1,471	100%	10,265	100%	167	100%	540	100%	1,610	100%	10,644	100%	





**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

**First-Year Students**

**Seniors**

	Variable	Response Options	Arizona				AAUDE				Carnegie Class				NSSE 2012			
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
5.	EXAMS	1 Very little 2 3 4 5 6	0	0%	0	0%	3	0%	35	0%	2	1%	5	1%	7	0%	73	1%
			2	1%	3	1%	4	0%	63	1%	1	1%	6	1%	18	1%	100	1%
			4	2%	9	2%	30	2%	199	2%	6	4%	19	3%	42	3%	242	2%
			12	7%	31	6%	121	8%	856	8%	12	7%	46	8%	136	8%	750	7%
			39	23%	108	22%	387	26%	2,663	26%	44	26%	131	24%	423	26%	2,643	25%
			64	38%	179	37%	513	35%	3,658	36%	63	38%	185	34%	568	35%	3,883	36%
		46	28%	152	32%	416	28%	2,817	27%	39	23%	151	28%	424	26%	2,993	28%	
	Total		167	100%	482	100%	1,474	100%	10,291	100%	167	100%	543	100%	1,618	100%	10,684	100%
6a.	ATDART07	Never Sometimes Often Very often	50	30%	139	29%	406	28%	2,329	23%	56	34%	168	31%	491	30%	3,129	29%
			83	49%	238	49%	751	51%	4,947	48%	83	50%	279	52%	833	52%	5,165	48%
			26	15%	76	16%	238	16%	2,054	20%	18	11%	65	12%	207	13%	1,626	15%
			9	5%	30	6%	78	5%	951	9%	9	5%	29	5%	85	5%	758	7%
	Total		168	100%	483	100%	1,473	100%	10,281	100%	166	100%	541	100%	1,616	100%	10,678	100%
6b.	EXRCSE05	Never Sometimes Often Very often	18	11%	51	11%	138	9%	969	9%	8	5%	54	10%	125	8%	958	9%
			44	26%	137	29%	400	27%	2,647	26%	55	33%	159	29%	484	30%	2,966	28%
			50	30%	131	27%	411	28%	2,567	25%	39	23%	127	23%	418	26%	2,671	25%
			56	33%	158	33%	518	35%	4,064	40%	64	39%	202	37%	583	36%	4,055	38%
	Total		168	100%	477	100%	1,467	100%	10,247	100%	166	100%	542	100%	1,610	100%	10,650	100%
6c.	WORSH05	Never Sometimes Often Very often	88	53%	258	53%	694	47%	4,343	42%	83	50%	266	50%	742	46%	4,461	42%
			38	23%	120	25%	358	24%	2,797	27%	49	30%	126	24%	394	24%	2,720	26%
			20	12%	50	10%	188	13%	1,480	14%	19	11%	67	13%	197	12%	1,487	14%
			19	12%	55	11%	230	16%	1,612	16%	15	9%	77	14%	276	17%	1,971	19%
	Total		165	100%	483	100%	1,470	100%	10,232	100%	166	100%	536	100%	1,609	100%	10,639	100%
6d.	OWNVIEW	Never Sometimes Often Very often	21	13%	52	11%	150	10%	1,030	10%	12	7%	49	9%	129	8%	870	8%
			65	39%	189	39%	577	39%	3,797	37%	66	40%	196	36%	595	37%	3,788	36%
			51	31%	170	35%	486	33%	3,471	34%	60	36%	172	32%	574	36%	3,778	36%
			28	17%	70	15%	253	17%	1,922	19%	28	17%	121	22%	307	19%	2,186	21%
	Total		165	100%	481	100%	1,466	100%	10,220	100%	166	100%	538	100%	1,605	100%	10,622	100%
6e.	OTHRVIEW	Never Sometimes Often Very often	9	5%	25	5%	80	5%	540	5%	6	4%	28	5%	85	5%	508	5%
			58	35%	161	33%	480	33%	3,239	32%	51	31%	169	31%	492	31%	3,206	30%
			67	40%	174	36%	559	38%	3,893	38%	70	42%	199	37%	649	40%	4,262	40%
			33	20%	121	25%	348	24%	2,591	25%	39	23%	145	27%	385	24%	2,675	25%
	Total		167	100%	481	100%	1,467	100%	10,263	100%	166	100%	541	100%	1,611	100%	10,651	100%
6f.	CHNGVIEW	Never Sometimes Often Very often	9	5%	12	2%	47	3%	322	3%	3	2%	17	3%	43	3%	296	3%
			51	31%	153	32%	448	30%	2,970	29%	57	34%	171	32%	476	30%	3,019	28%
			65	39%	184	38%	581	39%	4,036	39%	55	33%	201	37%	684	42%	4,374	41%
			41	25%	133	28%	397	27%	2,944	29%	52	31%	153	28%	407	25%	2,984	28%
	Total		166	100%	482	100%	1,473	100%	10,272	100%	167	100%	542	100%	1,610	100%	10,673	100%

NOTE: All results are unweighted.

**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students								Seniors								
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
7a.	Practicum, internship, field experience, co-op experience, or clinical assignment	INTERN04 (EEE)	Have not decided	10	6%	34	7%	111	8%	783	8%	9	5%	36	7%	114	7%	719	7%
			Do not plan to do	6	4%	6	1%	24	2%	168	2%	18	11%	81	15%	248	15%	1,376	13%
			Plan to do	133	80%	400	83%	1,199	82%	8,574	84%	42	25%	107	20%	378	24%	2,584	24%
			Done	18	11%	41	9%	131	9%	723	7%	98	59%	316	59%	866	54%	5,982	56%
		Total	167	100%	481	100%	1,465	100%	10,248	100%	167	100%	540	100%	1,606	100%	10,661	100%	
7b.	Community service or volunteer work	VOLNTR04 (EEE)	Have not decided	3	2%	28	6%	78	5%	680	7%	3	2%	23	4%	59	4%	556	5%
			Do not plan to do	9	5%	8	2%	31	2%	253	2%	7	4%	44	8%	123	8%	840	8%
			Plan to do	76	45%	231	49%	673	46%	4,420	43%	25	15%	61	11%	184	12%	1,329	13%
			Done	81	48%	208	44%	673	46%	4,851	48%	130	79%	407	76%	1,232	77%	7,880	74%
		Total	169	100%	475	100%	1,455	100%	10,204	100%	165	100%	535	100%	1,598	100%	10,605	100%	
7c.	Participate in a learning community or some other formal program where groups of students take two or more classes together	LRNCOM04 (EEE)	Have not decided	58	34%	131	27%	398	27%	3,168	31%	17	10%	52	10%	175	11%	1,287	12%
			Do not plan to do	52	31%	147	31%	405	28%	2,385	23%	96	57%	313	58%	927	58%	5,731	54%
			Plan to do	43	25%	90	19%	339	23%	2,749	27%	16	10%	20	4%	75	5%	661	6%
			Done	16	9%	111	23%	316	22%	1,897	19%	38	23%	152	28%	428	27%	2,917	28%
		Total	169	100%	479	100%	1,458	100%	10,199	100%	167	100%	537	100%	1,605	100%	10,596	100%	
7d.	Work on a research project with a faculty member outside of course or program requirements	RESRCH04 (SFI)	Have not decided	37	22%	92	19%	347	24%	2,766	27%	13	8%	38	7%	154	10%	1,210	11%
			Do not plan to do	4	2%	18	4%	113	8%	942	9%	31	19%	119	22%	463	29%	3,160	30%
			Plan to do	112	67%	329	69%	866	59%	5,874	57%	31	19%	67	12%	235	15%	1,728	16%
			Done	15	9%	40	8%	138	9%	639	6%	90	55%	318	59%	758	47%	4,558	43%
		Total	168	100%	479	100%	1,464	100%	10,221	100%	165	100%	542	100%	1,610	100%	10,656	100%	
7e.	Foreign language coursework	FORLNG04 (EEE)	Have not decided	19	11%	70	15%	216	15%	1,658	16%	7	4%	34	6%	80	5%	605	6%
			Do not plan to do	33	20%	102	21%	322	22%	2,196	21%	24	14%	189	35%	504	31%	3,637	34%
			Plan to do	44	26%	148	31%	469	32%	3,729	36%	8	5%	29	5%	92	6%	673	6%
			Done	73	43%	162	34%	461	31%	2,667	26%	127	77%	290	54%	935	58%	5,743	54%
		Total	169	100%	482	100%	1,468	100%	10,250	100%	166	100%	542	100%	1,611	100%	10,658	100%	
7f.	Study abroad	STDABR04 (EEE)	Have not decided	40	24%	128	27%	402	27%	2,869	28%	11	7%	53	10%	162	10%	1,146	11%
			Do not plan to do	43	25%	83	17%	271	19%	2,014	20%	98	59%	357	66%	990	62%	6,467	61%
			Plan to do	84	50%	258	54%	745	51%	5,112	50%	29	18%	41	8%	154	10%	979	9%
			Done	2	1%	9	2%	44	3%	220	2%	27	16%	90	17%	296	18%	2,015	19%
		Total	169	100%	478	100%	1,462	100%	10,215	100%	165	100%	541	100%	1,602	100%	10,607	100%	
7g.	Independent study or self-designed major	INDSTD04 (EEE)	Have not decided	42	25%	153	32%	436	30%	3,278	32%	17	10%	35	7%	130	8%	949	9%
			Do not plan to do	91	54%	258	54%	790	54%	4,871	48%	83	50%	362	68%	1,110	69%	6,517	62%
			Plan to do	30	18%	55	12%	193	13%	1,719	17%	20	12%	19	4%	82	5%	738	7%
			Done	4	2%	10	2%	36	2%	324	3%	47	28%	119	22%	277	17%	2,377	22%
		Total	167	100%	476	100%	1,455	100%	10,192	100%	167	100%	535	100%	1,599	100%	10,581	100%	

**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students								Seniors							
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
7h.	Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.)	SNRX04 (EEE)																
		Have not decided	48	29%	201	42%	563	38%	3,292	32%	18	11%	45	8%	154	10%	901	8%
		Do not plan to do	18	11%	40	8%	133	9%	766	7%	51	31%	188	35%	552	34%	2,395	22%
		Plan to do	100	60%	236	49%	749	51%	6,012	59%	53	32%	126	23%	432	27%	3,110	29%
		Done	2	1%	4	1%	20	1%	174	2%	44	27%	182	34%	472	29%	4,249	40%
		<b>Total</b>	<b>168</b>	<b>100%</b>	<b>481</b>	<b>100%</b>	<b>1,465</b>	<b>100%</b>	<b>10,244</b>	<b>100%</b>	<b>166</b>	<b>100%</b>	<b>541</b>	<b>100%</b>	<b>1,610</b>	<b>100%</b>	<b>10,655</b>	<b>100%</b>
8a.	Quality of relationships with other students	ENVSTU (SCE)																
		1 Unfriendly, Unsupportive, Sense of alienation	0	0%	2	0%	7	0%	87	1%	1	1%	5	1%	14	1%	87	1%
		2	5	3%	9	2%	24	2%	222	2%	5	3%	12	2%	38	2%	216	2%
		3	3	2%	20	4%	63	4%	453	4%	8	5%	20	4%	61	4%	426	4%
		4	18	11%	46	10%	149	10%	1,040	10%	11	7%	69	13%	178	11%	1,003	9%
		5	50	30%	107	22%	328	22%	2,151	21%	44	26%	111	21%	326	20%	2,072	19%
		6	64	38%	165	34%	450	31%	3,177	31%	53	32%	175	32%	534	33%	3,467	33%
		7 Friendly, Supportive, Sense of belonging	28	17%	133	28%	453	31%	3,141	31%	45	27%	148	27%	461	29%	3,393	32%
		<b>Total</b>	<b>168</b>	<b>100%</b>	<b>482</b>	<b>100%</b>	<b>1,474</b>	<b>100%</b>	<b>10,271</b>	<b>100%</b>	<b>167</b>	<b>100%</b>	<b>540</b>	<b>100%</b>	<b>1,612</b>	<b>100%</b>	<b>10,664</b>	<b>100%</b>
8b.	Quality of relationships with faculty members	ENVFAC (SCE)																
		1 Unavailable, Unhelpful, Unsympathetic	1	1%	2	0%	9	1%	63	1%	2	1%	10	2%	19	1%	98	1%
		2	8	5%	13	3%	29	2%	157	2%	4	2%	22	4%	53	3%	226	2%
		3	12	7%	28	6%	92	6%	475	5%	5	3%	40	7%	103	6%	460	4%
		4	24	14%	106	22%	299	20%	1,442	14%	31	19%	86	16%	252	16%	1,128	11%
		5	49	29%	159	33%	454	31%	2,638	26%	44	26%	139	26%	435	27%	2,379	22%
		6	56	34%	126	26%	404	27%	3,319	32%	54	32%	162	30%	493	31%	3,554	33%
		7 Available, Helpful, Sympathetic	17	10%	47	10%	187	13%	2,175	21%	27	16%	83	15%	260	16%	2,814	26%
		<b>Total</b>	<b>167</b>	<b>100%</b>	<b>481</b>	<b>100%</b>	<b>1,474</b>	<b>100%</b>	<b>10,269</b>	<b>100%</b>	<b>167</b>	<b>100%</b>	<b>542</b>	<b>100%</b>	<b>1,615</b>	<b>100%</b>	<b>10,659</b>	<b>100%</b>
8c.	Quality of relationships with administrative personnel and offices	ENVADM (SCE)																
		1 Unhelpful, Inconsiderate, Rigid	4	2%	7	1%	33	2%	219	2%	3	2%	30	6%	72	4%	502	5%
		2	11	7%	36	8%	74	5%	443	4%	10	6%	40	7%	121	7%	817	8%
		3	18	11%	53	11%	158	11%	917	9%	20	12%	84	15%	203	13%	1,214	11%
		4	41	24%	129	27%	379	26%	2,173	21%	41	25%	127	23%	341	21%	2,188	20%
		5	44	26%	113	24%	365	25%	2,550	25%	37	22%	105	19%	372	23%	2,328	22%
		6	35	21%	103	22%	292	20%	2,358	23%	39	23%	98	18%	322	20%	2,187	20%
		7 Helpful, Considerate, Flexible	15	9%	38	8%	170	12%	1,614	16%	17	10%	58	11%	183	11%	1,439	13%
		<b>Total</b>	<b>168</b>	<b>100%</b>	<b>479</b>	<b>100%</b>	<b>1,471</b>	<b>100%</b>	<b>10,274</b>	<b>100%</b>	<b>167</b>	<b>100%</b>	<b>542</b>	<b>100%</b>	<b>1,614</b>	<b>100%</b>	<b>10,675</b>	<b>100%</b>



**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students						Seniors									
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
Variable	Response Options		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
9a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	ACADPR01 (LAC)	0 hr/wk	1	1%	0	0%	2	0%	18	0%	0	0%	1	0%	6	0%	23	0%
		1-5 hr/wk	6	4%	25	5%	106	7%	850	8%	14	8%	34	6%	136	8%	962	9%
		6-10 hr/wk	24	14%	67	14%	226	15%	1,793	17%	46	28%	81	15%	270	17%	1,914	18%
		11-15 hr/wk	36	22%	73	15%	291	20%	2,089	20%	34	20%	106	20%	315	20%	2,099	20%
		16-20 hr/wk	47	28%	118	25%	318	22%	2,082	20%	39	23%	114	21%	338	21%	2,059	19%
		21-25 hr/wk	26	16%	91	19%	256	17%	1,555	15%	11	7%	91	17%	244	15%	1,453	14%
		26-30 hr/wk	17	10%	54	11%	123	8%	911	9%	7	4%	52	10%	136	8%	969	9%
		30+ hr/wk	10	6%	53	11%	149	10%	955	9%	16	10%	61	11%	166	10%	1,185	11%
		Total		167	100%	481	100%	1,471	100%	10,253	100%	167	100%	540	100%	1,611	100%	10,664
9b. Working for pay on campus	WORKON01	0 hr/wk	144	85%	385	80%	1,218	83%	8,015	78%	92	55%	305	56%	982	61%	6,128	58%
		1-5 hr/wk	3	2%	16	3%	44	3%	601	6%	2	1%	43	8%	112	7%	978	9%
		6-10 hr/wk	6	4%	49	10%	100	7%	927	9%	13	8%	72	13%	170	11%	1,521	14%
		11-15 hr/wk	8	5%	23	5%	58	4%	398	4%	23	14%	54	10%	162	10%	958	9%
		16-20 hr/wk	5	3%	7	1%	39	3%	217	2%	19	11%	36	7%	95	6%	712	7%
		21-25 hr/wk	1	1%	2	0%	5	0%	64	1%	9	5%	14	3%	45	3%	191	2%
		26-30 hr/wk	0	0%	0	0%	4	0%	12	0%	6	4%	5	1%	23	1%	77	1%
		30+ hr/wk	2	1%	0	0%	3	0%	32	0%	3	2%	11	2%	21	1%	89	1%
Total		169	100%	482	100%	1,471	100%	10,266	100%	167	100%	540	100%	1,610	100%	10,654	100%	
9c. Working for pay off campus	WORKOF01	0 hr/wk	142	84%	419	88%	1,214	83%	8,045	79%	117	70%	388	72%	1,045	65%	6,304	59%
		1-5 hr/wk	4	2%	14	3%	45	3%	444	4%	13	8%	27	5%	87	5%	628	6%
		6-10 hr/wk	7	4%	19	4%	64	4%	419	4%	5	3%	39	7%	104	6%	678	6%
		11-15 hr/wk	4	2%	9	2%	45	3%	341	3%	5	3%	25	5%	100	6%	672	6%
		16-20 hr/wk	5	3%	8	2%	53	4%	389	4%	10	6%	26	5%	113	7%	810	8%
		21-25 hr/wk	5	3%	5	1%	24	2%	252	2%	7	4%	12	2%	72	4%	570	5%
		26-30 hr/wk	1	1%	2	0%	10	1%	157	2%	5	3%	9	2%	35	2%	329	3%
		30+ hr/wk	1	1%	2	0%	11	1%	184	2%	4	2%	14	3%	51	3%	645	6%
Total		169	100%	478	100%	1,466	100%	10,231	100%	166	100%	540	100%	1,607	100%	10,636	100%	
9d. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	COCURR01 (EEE)	0 hr/wk	60	36%	108	22%	419	28%	3,001	29%	52	31%	145	27%	492	31%	3,458	32%
		1-5 hr/wk	58	35%	190	39%	553	38%	3,586	35%	60	36%	153	28%	479	30%	3,361	32%
		6-10 hr/wk	26	15%	99	21%	262	18%	1,669	16%	34	20%	132	25%	308	19%	1,680	16%
		11-15 hr/wk	13	8%	33	7%	103	7%	868	8%	11	7%	49	9%	157	10%	886	8%
		16-20 hr/wk	6	4%	31	6%	75	5%	550	5%	4	2%	28	5%	77	5%	553	5%
		21-25 hr/wk	3	2%	14	3%	32	2%	276	3%	6	4%	13	2%	37	2%	309	3%
		26-30 hr/wk	2	1%	2	0%	8	1%	124	1%	0	0%	7	1%	24	1%	146	1%
		30+ hr/wk	0	0%	5	1%	19	1%	198	2%	0	0%	10	2%	32	2%	275	3%
Total		168	100%	482	100%	1,471	100%	10,272	100%	167	100%	537	100%	1,606	100%	10,668	100%	



**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students								Seniors							
Item	Variable	Response Options	Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
9e. Relaxing and socializing (watching TV, partying, etc.)	SOCIAL05	0 hr/wk	3	2%	4	1%	18	1%	130	1%	2	1%	9	2%	14	1%	157	1%
		1-5 hr/wk	45	27%	116	24%	341	23%	2,744	27%	52	31%	120	22%	387	24%	2,970	28%
		6-10 hr/wk	60	36%	134	28%	430	29%	3,177	31%	56	34%	185	35%	525	33%	3,432	32%
		11-15 hr/wk	31	18%	119	25%	332	23%	2,002	20%	35	21%	114	21%	330	21%	2,091	20%
		16-20 hr/wk	19	11%	61	13%	186	13%	1,130	11%	13	8%	63	12%	191	12%	1,037	10%
		21-25 hr/wk	6	4%	21	4%	76	5%	510	5%	3	2%	22	4%	83	5%	437	4%
		26-30 hr/wk	2	1%	6	1%	30	2%	199	2%	2	1%	7	1%	28	2%	198	2%
		30+ hr/wk	2	1%	16	3%	54	4%	360	4%	4	2%	16	3%	49	3%	323	3%
	<b>Total</b>		<b>168</b>	<b>100%</b>	<b>477</b>	<b>100%</b>	<b>1,467</b>	<b>100%</b>	<b>10,252</b>	<b>100%</b>	<b>167</b>	<b>100%</b>	<b>536</b>	<b>100%</b>	<b>1,607</b>	<b>100%</b>	<b>10,645</b>	<b>100%</b>
9f. Providing care for dependents living with you (parents, children, spouse, etc.)	CAREDE01	0 hr/wk	133	79%	413	86%	1,236	84%	8,173	80%	128	78%	417	78%	1,214	76%	7,394	70%
		1-5 hr/wk	20	12%	32	7%	102	7%	1,029	10%	15	9%	52	10%	179	11%	1,328	12%
		6-10 hr/wk	6	4%	18	4%	63	4%	468	5%	10	6%	32	6%	83	5%	629	6%
		11-15 hr/wk	4	2%	10	2%	30	2%	201	2%	2	1%	12	2%	47	3%	329	3%
		16-20 hr/wk	2	1%	2	0%	19	1%	117	1%	4	2%	7	1%	16	1%	211	2%
		21-25 hr/wk	0	0%	2	0%	5	0%	56	1%	0	0%	2	0%	13	1%	113	1%
		26-30 hr/wk	0	0%	0	0%	2	0%	32	0%	1	1%	1	0%	5	0%	69	1%
		30+ hr/wk	3	2%	3	1%	10	1%	160	2%	4	2%	12	2%	44	3%	555	5%
	<b>Total</b>		<b>168</b>	<b>100%</b>	<b>480</b>	<b>100%</b>	<b>1,467</b>	<b>100%</b>	<b>10,236</b>	<b>100%</b>	<b>164</b>	<b>100%</b>	<b>535</b>	<b>100%</b>	<b>1,601</b>	<b>100%</b>	<b>10,628</b>	<b>100%</b>
9g. Commuting to class (driving, walking, etc.)	COMMUTE	0 hr/wk	10	6%	38	8%	142	10%	2,209	21%	4	2%	28	5%	86	5%	1,212	11%
		1-5 hr/wk	109	65%	308	64%	967	66%	6,107	59%	105	63%	369	68%	1,091	68%	6,780	64%
		6-10 hr/wk	37	22%	91	19%	240	16%	1,153	11%	45	27%	105	19%	310	19%	1,786	17%
		11-15 hr/wk	6	4%	29	6%	71	5%	428	4%	7	4%	23	4%	72	4%	535	5%
		16-20 hr/wk	2	1%	9	2%	31	2%	177	2%	4	2%	12	2%	31	2%	165	2%
		21-25 hr/wk	2	1%	1	0%	9	1%	77	1%	1	1%	0	0%	7	0%	62	1%
		26-30 hr/wk	0	0%	1	0%	3	0%	23	0%	0	0%	1	0%	5	0%	37	0%
		30+ hr/wk	2	1%	5	1%	12	1%	104	1%	0	0%	2	0%	8	0%	91	1%
	<b>Total</b>		<b>168</b>	<b>100%</b>	<b>482</b>	<b>100%</b>	<b>1,475</b>	<b>100%</b>	<b>10,278</b>	<b>100%</b>	<b>166</b>	<b>100%</b>	<b>540</b>	<b>100%</b>	<b>1,610</b>	<b>100%</b>	<b>10,668</b>	<b>100%</b>
10a. Spending significant amounts of time studying and on academic work	ENVSCHOL (LAC)	Very little	4	2%	3	1%	14	1%	111	1%	3	2%	9	2%	21	1%	161	2%
		Some	23	14%	47	10%	142	10%	1,037	10%	25	15%	85	16%	215	13%	1,250	12%
		Quite a bit	71	42%	178	37%	592	40%	4,126	40%	79	47%	192	36%	666	41%	4,261	40%
		Very much	70	42%	254	53%	723	49%	4,993	49%	60	36%	254	47%	707	44%	4,978	47%
			<b>Total</b>		<b>168</b>	<b>100%</b>	<b>482</b>	<b>100%</b>	<b>1,471</b>	<b>100%</b>	<b>10,267</b>	<b>100%</b>	<b>167</b>	<b>100%</b>	<b>540</b>	<b>100%</b>	<b>1,609</b>	<b>100%</b>
10b. Providing the support you need to help you succeed academically	ENVSUPRT (SCE)	Very little	6	4%	7	1%	28	2%	188	2%	6	4%	37	7%	72	5%	410	4%
		Some	18	11%	94	20%	237	16%	1,490	15%	40	24%	137	26%	396	25%	2,085	20%
		Quite a bit	86	51%	204	43%	629	43%	4,052	40%	85	51%	240	45%	709	44%	4,558	43%
		Very much	59	35%	175	36%	573	39%	4,500	44%	36	22%	123	23%	422	26%	3,570	34%
			<b>Total</b>		<b>169</b>	<b>100%</b>	<b>480</b>	<b>100%</b>	<b>1,467</b>	<b>100%</b>	<b>10,230</b>	<b>100%</b>	<b>167</b>	<b>100%</b>	<b>537</b>	<b>100%</b>	<b>1,599</b>	<b>100%</b>

**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students								Seniors								
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
10c.	Encouraging contact among students from different economic, social, and racial or ethnic backgrounds	ENVDIVRS	Very little	16	10%	40	8%	150	10%	1,062	10%	29	17%	77	14%	276	17%	1,798	17%
		(EEE)	Some	67	40%	147	31%	405	28%	2,797	27%	55	33%	204	38%	575	36%	3,547	33%
			Quite a bit	48	29%	158	33%	479	33%	3,340	33%	55	33%	147	27%	442	28%	3,065	29%
			Very much	35	21%	134	28%	429	29%	3,038	30%	28	17%	111	21%	313	19%	2,224	21%
		Total		166	100%	479	100%	1,463	100%	10,237	100%	167	100%	539	100%	1,606	100%	10,634	100%
10d.	Helping you cope with your non-academic responsibilities (work, family, etc.)	ENVNACAD	Very little	57	34%	121	25%	323	22%	2,126	21%	70	42%	208	39%	563	35%	3,347	31%
		(SCE)	Some	64	38%	186	39%	562	38%	3,831	37%	61	37%	209	39%	636	40%	4,128	39%
			Quite a bit	34	20%	125	26%	377	26%	2,756	27%	28	17%	86	16%	297	19%	2,151	20%
			Very much	14	8%	48	10%	203	14%	1,533	15%	8	5%	36	7%	107	7%	1,014	10%
		Total		169	100%	480	100%	1,465	100%	10,246	100%	167	100%	539	100%	1,603	100%	10,640	100%
10e.	Providing the support you need to thrive socially	ENVSOCAL	Very little	35	21%	64	13%	176	12%	1,262	12%	36	22%	124	23%	341	21%	2,137	20%
		(SCE)	Some	63	38%	178	37%	520	36%	3,464	34%	69	42%	209	39%	630	39%	4,083	39%
			Quite a bit	51	30%	154	32%	483	33%	3,455	34%	49	30%	143	27%	447	28%	2,981	28%
			Very much	19	11%	79	17%	279	19%	2,007	20%	12	7%	61	11%	182	11%	1,381	13%
		Total		168	100%	475	100%	1,458	100%	10,188	100%	166	100%	537	100%	1,600	100%	10,582	100%
10f.	Attending campus events and activities (special speakers, cultural performances, athletic events, etc.)	ENVEVENT	Very little	9	5%	28	6%	64	4%	588	6%	16	10%	36	7%	115	7%	862	8%
			Some	45	27%	116	24%	317	22%	2,118	21%	61	37%	162	30%	456	28%	2,832	27%
			Quite a bit	68	40%	203	42%	595	41%	3,950	39%	63	38%	213	39%	619	38%	4,097	39%
			Very much	47	28%	132	28%	487	33%	3,589	35%	27	16%	129	24%	420	26%	2,825	27%
		Total		169	100%	479	100%	1,463	100%	10,245	100%	167	100%	540	100%	1,610	100%	10,616	100%
10g.	Using computers in academic work	ENVCOMPT	Very little	4	2%	8	2%	30	2%	214	2%	2	1%	4	1%	20	1%	193	2%
			Some	18	11%	66	14%	196	13%	1,450	14%	17	10%	51	9%	189	12%	1,248	12%
			Quite a bit	44	26%	152	32%	493	33%	3,576	35%	49	30%	159	29%	504	31%	3,447	32%
			Very much	103	61%	255	53%	753	51%	5,013	49%	97	59%	326	60%	893	56%	5,764	54%
		Total		169	100%	481	100%	1,472	100%	10,253	100%	165	100%	540	100%	1,606	100%	10,652	100%
11a.	Acquiring a broad general education	NGENLED	Very little	6	4%	3	1%	22	1%	180	2%	7	4%	10	2%	33	2%	223	2%
			Some	26	16%	52	11%	187	13%	1,272	12%	29	17%	91	17%	225	14%	1,264	12%
			Quite a bit	84	50%	217	45%	645	44%	4,168	41%	68	41%	194	36%	624	39%	3,758	35%
			Very much	51	31%	209	43%	613	42%	4,608	45%	63	38%	243	45%	721	45%	5,369	51%
		Total		167	100%	481	100%	1,467	100%	10,228	100%	167	100%	538	100%	1,603	100%	10,614	100%
11b.	Acquiring job or work-related knowledge and skills	GNWORK	Very little	20	12%	55	11%	148	10%	935	9%	17	10%	54	10%	147	9%	858	8%
			Some	55	33%	134	28%	431	29%	2,834	28%	42	25%	148	28%	419	26%	2,557	24%
			Quite a bit	57	34%	172	36%	516	35%	3,651	36%	57	34%	175	33%	556	35%	3,703	35%
			Very much	37	22%	119	25%	371	25%	2,785	27%	51	31%	158	30%	480	30%	3,501	33%
		Total		169	100%	480	100%	1,466	100%	10,205	100%	167	100%	535	100%	1,602	100%	10,619	100%

**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students								Seniors							
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
Variable	Response Options		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
11c. Writing clearly and effectively	GNWRITE	Very little	11	7%	27	6%	79	5%	415	4%	8	5%	32	6%	86	5%	397	4%
		Some	37	22%	114	24%	357	24%	2,109	21%	44	26%	114	21%	378	24%	2,133	20%
		Quite a bit	73	43%	188	39%	561	38%	3,996	39%	71	43%	227	42%	679	42%	4,211	40%
		Very much	48	28%	151	31%	471	32%	3,698	36%	44	26%	164	31%	459	29%	3,877	37%
	Total		169	100%	480	100%	1,468	100%	10,218	100%	167	100%	537	100%	1,602	100%	10,618	100%
11d. Speaking clearly and effectively	GNSPEAK	Very little	20	12%	59	12%	177	12%	830	8%	13	8%	47	9%	141	9%	625	6%
		Some	48	28%	148	31%	430	29%	2,667	26%	47	29%	151	28%	494	31%	2,506	24%
		Quite a bit	67	40%	159	33%	487	33%	3,704	36%	68	41%	203	38%	576	36%	4,011	38%
		Very much	34	20%	115	24%	369	25%	2,992	29%	36	22%	136	25%	393	25%	3,465	33%
	Total		169	100%	481	100%	1,463	100%	10,193	100%	164	100%	537	100%	1,604	100%	10,607	100%
11e. Thinking critically and analytically	GNANALY	Very little	5	3%	6	1%	28	2%	154	2%	2	1%	11	2%	34	2%	169	2%
		Some	22	13%	58	12%	176	12%	1,179	12%	21	13%	58	11%	190	12%	1,030	10%
		Quite a bit	68	40%	174	36%	568	39%	3,783	37%	66	40%	195	36%	611	38%	3,660	35%
		Very much	74	44%	243	51%	694	47%	5,082	50%	78	47%	271	51%	763	48%	5,738	54%
	Total		169	100%	481	100%	1,466	100%	10,198	100%	167	100%	535	100%	1,598	100%	10,597	100%
11f. Analyzing quantitative problems	GNQUANT	Very little	6	4%	10	2%	30	2%	236	2%	1	1%	16	3%	41	3%	228	2%
		Some	25	15%	68	14%	218	15%	1,608	16%	24	14%	74	14%	247	15%	1,427	13%
		Quite a bit	72	43%	202	42%	606	41%	4,081	40%	74	45%	214	40%	659	41%	4,084	39%
		Very much	64	38%	201	42%	608	42%	4,242	42%	67	40%	233	43%	653	41%	4,847	46%
	Total		167	100%	481	100%	1,462	100%	10,167	100%	166	100%	537	100%	1,600	100%	10,586	100%
11g. Using computing and information technology	GNCMPTS	Very little	10	6%	32	7%	88	6%	514	5%	5	3%	23	4%	80	5%	469	4%
		Some	32	19%	117	24%	353	24%	2,327	23%	30	18%	124	23%	383	24%	2,280	21%
		Quite a bit	61	36%	168	35%	524	36%	3,850	38%	77	46%	202	38%	608	38%	3,994	38%
		Very much	66	39%	164	34%	503	34%	3,521	34%	55	33%	189	35%	533	33%	3,871	36%
	Total		169	100%	481	100%	1,468	100%	10,212	100%	167	100%	538	100%	1,604	100%	10,614	100%
11h. Working effectively with others	GNOTHERS	Very little	6	4%	23	5%	72	5%	411	4%	8	5%	28	5%	78	5%	415	4%
		Some	42	25%	113	24%	355	24%	2,227	22%	42	25%	123	23%	392	25%	2,074	20%
		Quite a bit	73	43%	195	41%	563	38%	3,887	38%	67	40%	217	40%	632	40%	4,014	38%
		Very much	47	28%	149	31%	481	33%	3,700	36%	50	30%	168	31%	497	31%	4,115	39%
	Total		168	100%	480	100%	1,471	100%	10,225	100%	167	100%	536	100%	1,599	100%	10,618	100%
11i. Voting in local, state, or national elections	GNCITIZN	Very little	78	47%	247	52%	717	49%	4,917	48%	85	51%	228	43%	677	43%	4,671	44%
		Some	54	33%	116	24%	382	26%	2,898	29%	54	32%	166	31%	499	31%	3,341	32%
		Quite a bit	22	13%	77	16%	237	16%	1,516	15%	21	13%	87	16%	277	17%	1,582	15%
		Very much	11	7%	38	8%	126	9%	824	8%	7	4%	51	10%	136	9%	969	9%
	Total		165	100%	478	100%	1,462	100%	10,155	100%	167	100%	532	100%	1,589	100%	10,563	100%

**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students								Seniors							
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
Item	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
11j. Learning effectively on your own	GNINQ	Very little	7	4%	18	4%	65	4%	411	4%	10	6%	18	3%	67	4%	505	5%
		Some	47	28%	83	17%	304	21%	2,088	21%	23	14%	98	18%	319	20%	1,793	17%
		Quite a bit	72	43%	195	41%	591	41%	4,293	42%	75	45%	178	33%	577	36%	4,090	39%
		Very much	41	25%	179	38%	495	34%	3,340	33%	59	35%	238	45%	624	39%	4,142	39%
	Total		167	100%	475	100%	1,455	100%	10,132	100%	167	100%	532	100%	1,587	100%	10,530	100%
11k. Understanding yourself	GNSELF	Very little	21	13%	41	9%	144	10%	927	9%	16	10%	50	9%	164	10%	1,113	11%
		Some	59	36%	122	26%	374	26%	2,497	25%	41	25%	128	24%	421	27%	2,527	24%
		Quite a bit	45	27%	165	35%	503	35%	3,661	36%	63	38%	179	34%	539	34%	3,516	33%
		Very much	41	25%	147	31%	432	30%	3,028	30%	47	28%	174	33%	461	29%	3,357	32%
	Total		166	100%	475	100%	1,453	100%	10,113	100%	167	100%	531	100%	1,585	100%	10,513	100%
11l. Understanding people of other racial and ethnic backgrounds	GNDIVERS	Very little	21	13%	35	7%	164	11%	1,225	12%	20	12%	64	12%	245	15%	1,623	15%
		Some	52	31%	175	37%	478	33%	3,080	30%	57	34%	168	32%	538	34%	3,493	33%
		Quite a bit	60	36%	151	32%	476	33%	3,452	34%	59	36%	170	32%	461	29%	3,216	31%
		Very much	34	20%	114	24%	339	23%	2,377	23%	30	18%	129	24%	343	22%	2,203	21%
	Total		167	100%	475	100%	1,457	100%	10,134	100%	166	100%	531	100%	1,587	100%	10,535	100%
11m. Solving complex real-world problems	GNPROBSV	Very little	7	4%	43	9%	138	9%	922	9%	10	6%	60	11%	168	11%	1,043	10%
		Some	67	41%	166	35%	496	34%	3,070	30%	57	34%	152	29%	510	32%	2,900	27%
		Quite a bit	60	36%	170	36%	497	34%	3,734	37%	67	40%	181	34%	553	35%	3,852	37%
		Very much	31	19%	98	21%	327	22%	2,411	24%	33	20%	140	26%	358	23%	2,756	26%
	Total		165	100%	477	100%	1,458	100%	10,137	100%	167	100%	533	100%	1,589	100%	10,551	100%
11n. Developing a personal code of values and ethics	GNETHICS	Very little	24	14%	71	15%	218	15%	1,143	11%	27	16%	98	18%	279	18%	1,525	14%
		Some	56	34%	135	28%	402	28%	2,640	26%	42	25%	148	28%	478	30%	2,732	26%
		Quite a bit	49	29%	171	36%	493	34%	3,522	35%	56	34%	157	30%	480	30%	3,320	31%
		Very much	38	23%	98	21%	342	24%	2,837	28%	41	25%	128	24%	352	22%	2,978	28%
	Total		167	100%	475	100%	1,455	100%	10,142	100%	166	100%	531	100%	1,589	100%	10,555	100%
11o. Contributing to the welfare of your community	GNCOMMUN	Very little	31	19%	69	14%	214	15%	1,415	14%	21	13%	100	19%	267	17%	1,658	16%
		Some	60	36%	169	36%	508	35%	3,199	32%	51	31%	159	30%	510	32%	3,269	31%
		Quite a bit	53	32%	141	30%	448	31%	3,196	32%	60	36%	162	31%	487	31%	3,114	30%
		Very much	21	13%	97	20%	289	20%	2,311	23%	34	20%	110	21%	321	20%	2,495	24%
	Total		165	100%	476	100%	1,459	100%	10,121	100%	166	100%	531	100%	1,585	100%	10,536	100%
11p. Developing a deepened sense of spirituality	GNSPIRIT	Very little	86	51%	245	51%	673	46%	3,736	37%	105	63%	313	59%	900	57%	4,864	46%
		Some	39	23%	110	23%	365	25%	2,648	26%	29	17%	107	20%	332	21%	2,509	24%
		Quite a bit	25	15%	66	14%	242	17%	2,027	20%	22	13%	59	11%	187	12%	1,571	15%
		Very much	17	10%	57	12%	180	12%	1,728	17%	11	7%	53	10%	170	11%	1,612	15%
	Total		167	100%	478	100%	1,460	100%	10,139	100%	167	100%	532	100%	1,589	100%	10,556	100%



**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

**First-Year Students**

**Seniors**

	Variable	Response Options	Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
12. Overall, how would you evaluate the quality of academic advising you have received at your institution?	ADVISE	Poor	11	7%	20	4%	69	5%	412	4%	7	4%	71	13%	163	10%	926	9%
		Fair	29	17%	88	18%	225	15%	1,451	14%	30	18%	129	24%	347	22%	1,948	18%
		Good	77	46%	232	48%	697	47%	4,650	45%	72	43%	201	37%	625	39%	4,160	39%
		Excellent	52	31%	141	29%	484	33%	3,761	37%	57	34%	138	26%	471	29%	3,644	34%
	Total		169	100%	481	100%	1,475	100%	10,274	100%	166	100%	539	100%	1,606	100%	10,678	100%
13. How would you evaluate your entire educational experience at this institution?	ENTIREXP	Poor	3	2%	5	1%	16	1%	120	1%	1	1%	7	1%	20	1%	210	2%
		Fair	15	9%	45	9%	128	9%	978	10%	18	11%	76	14%	181	11%	1,148	11%
		Good	109	64%	223	47%	710	48%	4,796	47%	87	52%	236	44%	727	45%	4,657	44%
		Excellent	42	25%	205	43%	617	42%	4,369	43%	60	36%	219	41%	677	42%	4,657	44%
	Total		169	100%	478	100%	1,471	100%	10,263	100%	166	100%	538	100%	1,605	100%	10,672	100%
14. If you could start over again, would you go to the <i>same institution</i> you are now attending?	SAMECOLL	Definitely no	2	1%	11	2%	38	3%	376	4%	4	2%	25	5%	55	3%	585	5%
		Probably no	18	11%	53	11%	138	9%	1,140	11%	18	11%	68	13%	167	10%	1,382	13%
		Probably yes	71	42%	192	40%	564	38%	4,134	40%	74	45%	211	39%	612	38%	3,983	37%
		Definitely yes	78	46%	225	47%	735	50%	4,633	45%	70	42%	235	44%	773	48%	4,729	44%
	Total		169	100%	481	100%	1,475	100%	10,283	100%	166	100%	539	100%	1,607	100%	10,679	100%



**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students					Seniors										
Variable	Response Options	Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012		
		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
15. Age	AGE	19 or younger	161	95%	473	98%	1,418	96%	9,604	93%	3	2%	3	1%	11	1%	62	1%
		20-23	6	4%	9	2%	45	3%	447	4%	145	87%	479	88%	1,354	84%	8,492	79%
		24-29	1	1%	0	0%	8	1%	132	1%	7	4%	43	8%	161	10%	1,332	12%
		30-39	1	1%	0	0%	2	0%	69	1%	9	5%	12	2%	72	4%	545	5%
		40-55	0	0%	0	0%	1	0%	34	0%	2	1%	7	1%	17	1%	233	2%
		Over 55	0	0%	0	0%	0	0%	1	0%	0	0%	0	0%	0	0%	21	0%
		Total	169	100%	482	100%	1,474	100%	10,287	100%	166	100%	544	100%	1,615	100%	10,685	100%
16. Your sex:	SEX	Male	53	31%	140	29%	430	29%	3,008	29%	58	35%	212	39%	578	36%	3,816	36%
		Female	116	69%	342	71%	1,045	71%	7,278	71%	109	65%	330	61%	1,036	64%	6,862	64%
		Total	169	100%	482	100%	1,475	100%	10,286	100%	167	100%	542	100%	1,614	100%	10,678	100%
17. Are you an international student or foreign national?	INTERNAT	No	160	95%	453	94%	1,397	95%	9,668	94%	158	96%	502	93%	1,531	95%	10,159	95%
		Yes	8	5%	29	6%	70	5%	574	6%	7	4%	40	7%	83	5%	497	5%
		Total	168	100%	482	100%	1,467	100%	10,242	100%	165	100%	542	100%	1,614	100%	10,656	100%
18. What is your racial or ethnic identification? (Select only one.)	RACE05	American Indian or other Native American	1	1%	3	1%	8	1%	83	1%	3	2%	2	0%	10	1%	76	1%
		Asian, Asian American, or Pacific Islander	21	12%	104	22%	210	14%	944	9%	38	23%	121	22%	234	14%	885	8%
		Black or African American	8	5%	32	7%	117	8%	967	9%	4	2%	24	4%	61	4%	717	7%
		White (non-Hispanic)	86	51%	264	55%	896	61%	6,422	62%	79	48%	315	58%	1,073	66%	7,232	68%
		Mexican or Mexican American	26	15%	15	3%	41	3%	339	3%	14	8%	7	1%	22	1%	280	3%
		Puerto Rican	1	1%	1	0%	7	0%	87	1%	0	0%	1	0%	4	0%	58	1%
		Other Hispanic or Latino	7	4%	20	4%	46	3%	384	4%	9	5%	10	2%	37	2%	297	3%
		Multiracial	9	5%	12	2%	52	4%	367	4%	4	2%	14	3%	52	3%	315	3%
		Other	3	2%	9	2%	29	2%	208	2%	5	3%	15	3%	41	3%	206	2%
		I prefer not to respond	7	4%	21	4%	68	5%	480	5%	10	6%	35	6%	81	5%	614	6%
		Total	169	100%	481	100%	1,474	100%	10,281	100%	166	100%	544	100%	1,615	100%	10,680	100%
19. What is your current classification in college?	CLASS	Freshman/first year	157	93%	455	94%	1,314	89%	9,215	90%	1	1%	0	0%	1	0%	11	0%
		Sophomore	9	5%	23	5%	144	10%	902	9%	2	1%	2	0%	15	1%	54	1%
		Junior	1	1%	3	1%	14	1%	102	1%	26	16%	53	10%	160	10%	724	7%
		Senior	1	1%	0	0%	3	0%	18	0%	133	81%	474	87%	1,410	87%	9,716	91%
		Unclassified	0	0%	1	0%	1	0%	46	0%	3	2%	14	3%	32	2%	189	2%
		Total	168	100%	482	100%	1,476	100%	10,283	100%	165	100%	543	100%	1,618	100%	10,694	100%
20. Did you begin college at your current institution or elsewhere?	ENTER	Started here	155	92%	475	99%	1,407	95%	9,671	94%	132	80%	420	77%	1,199	74%	7,483	70%
		Started elsewhere	13	8%	7	1%	68	5%	602	6%	33	20%	123	23%	419	26%	3,200	30%
		Total	168	100%	482	100%	1,475	100%	10,273	100%	165	100%	543	100%	1,618	100%	10,683	100%

**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students							Seniors								
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
Variable	Response Options		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21. Since graduating from high school, which of the following types of schools have you attended other than the one you are attending now? (Select all that apply.)	VOTECH05	Vocational or technical school	2	1%	2	0%	10	1%	173	2%	2	1%	11	2%	49	3%	468	4%
	COMCOL05	Community or junior college	19	11%	18	4%	90	6%	655	6%	76	48%	127	24%	416	26%	3,010	28%
	FOURR05	4-year college other than this one	9	5%	16	3%	72	5%	584	6%	27	17%	83	16%	311	19%	2,329	22%
	NONE05	None	136	82%	434	91%	1,257	86%	8,674	85%	72	45%	338	63%	925	58%	5,849	55%
	OCOL1_05	Other	2	1%	10	2%	46	3%	250	2%	5	3%	17	3%	64	4%	340	3%
- Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard? (Item appeared only in the online instrument.)	VETERAN	No	166	99%	479	99%	1,457	99%	10,145	99%	164	98%	539	99%	1,568	98%	10,176	97%
		Yes	1	1%	4	1%	17	1%	86	1%	3	2%	5	1%	31	2%	293	3%
	Total	167	100%	483	100%	1,474	100%	10,231	100%	167	100%	544	100%	1,599	100%	10,469	100%	
- If yes: As part of your military experience, did you receive combat pay, hostile fire pay, or imminent danger pay? (Item appeared only in the online instrument.)	VETPAY	No	0	0%	4	100%	14	82%	55	65%	0	0%	1	20%	18	58%	135	46%
		Yes	1	100%	0	0%	3	18%	29	35%	3	100%	4	80%	13	42%	157	54%
	Total	1	100%	4	100%	17	100%	84	100%	3	100%	5	100%	31	100%	292	100%	
22. Thinking about this current academic term...How would you characterize your enrollment?	ENRLMENT	Less than full-time	0	0%	4	1%	16	1%	173	2%	8	5%	52	10%	121	7%	885	8%
		Full-time	169	100%	478	99%	1,460	99%	10,119	98%	158	95%	491	90%	1,497	93%	9,804	92%
	Total	169	100%	482	100%	1,476	100%	10,292	100%	166	100%	543	100%	1,618	100%	10,689	100%	
- Thinking about this current academic term...Are you taking all courses entirely online? (Item appeared only in the online instrument.)	DISTED	No	169	100%	480	100%	1,469	100%	10,135	99%	166	99%	540	99%	1,587	99%	10,383	99%
		Yes	0	0%	2	0%	6	0%	86	1%	1	1%	3	1%	9	1%	88	1%
	Total	169	100%	482	100%	1,475	100%	10,221	100%	167	100%	543	100%	1,596	100%	10,471	100%	

**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students						Seniors									
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
Variable	Response Options		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
- Do you have any disabilities? (Select all that apply.) (Item appeared only in the online instrument and was preceded by the statement "Your institution will not receive your identified response to the following question. Only an overall summary of responses will be provided." Accordingly, this item does not appear in the NSSE data file or codebook.)	DISNONE	No, I do not have any disabilities	156	92%	421	88%	1,267	87%	8,705	86%	152	92%	473	89%	1,383	88%	8,913	86%
	DISSENSE	Yes, I have a sensory impairment (vision or hearing)	3	2%	15	3%	48	3%	286	3%	0	0%	11	2%	36	2%	223	2%
	DISMOBIL	Yes, I have a mobility impairment	0	0%	3	1%	7	0%	39	0%	1	1%	2	0%	7	0%	59	1%
	DISLEARN	Yes, I have a learning disability	1	1%	7	1%	22	2%	187	2%	2	1%	5	1%	26	2%	207	2%
	DISDEVLP	Yes, I have a developmental disorder (ADHD, Autism spectrum disorder, etc.)	0	0%	8	2%	33	2%	281	3%	3	2%	14	3%	40	3%	319	3%
	DISMENT	Yes, I have a mental health disorder	2	1%	4	1%	24	2%	211	2%	0	0%	12	2%	44	3%	283	3%
	DISMED	Yes, I have a medical disability not listed above	1	1%	6	1%	26	2%	155	2%	3	2%	10	2%	28	2%	159	2%
	DISOTHER	Yes, I have another disability	5	3%	36	8%	123	8%	886	9%	10	6%	42	8%	132	8%	939	9%
	DISREFUS	I choose not to answer	7	4%	16	3%	53	4%	446	4%	3	2%	14	3%	43	3%	414	4%
	23. Are you member of a social fraternity or sorority?	FRATSORO	No	159	94%	409	85%	1,300	88%	9,298	90%	159	95%	471	87%	1,390	86%	9,334
Yes			10	6%	74	15%	176	12%	993	10%	8	5%	71	13%	225	14%	1,361	13%
		Total	169	100%	483	100%	1,476	100%	10,291	100%	167	100%	542	100%	1,615	100%	10,695	100%
24. Are you a student-athlete on a team sponsored by your institution's athletics department?	ATHLETE	No	167	99%	466	96%	1,410	96%	8,993	87%	165	99%	522	96%	1,555	96%	9,699	91%
		Yes	2	1%	17	4%	64	4%	1,299	13%	2	1%	20	4%	58	4%	970	9%
		Total	169	100%	483	100%	1,474	100%	10,292	100%	167	100%	542	100%	1,613	100%	10,669	100%

**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students						Seniors									
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
Variable	Response Options		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
25. What have most of your grades been up to now at this institution?	GRADES04	C- or lower	5	3%	5	1%	27	2%	163	2%	0	0%	0	0%	4	0%	36	0%
		C	5	3%	19	4%	50	3%	282	3%	1	1%	10	2%	36	2%	216	2%
		C+	3	2%	25	5%	78	5%	511	5%	8	5%	22	4%	63	4%	464	4%
		B-	9	5%	24	5%	78	5%	664	6%	9	5%	34	6%	94	6%	698	7%
		B	27	16%	93	19%	268	18%	1,869	18%	24	14%	100	18%	276	17%	1,995	19%
		B+	37	22%	88	18%	255	17%	2,015	20%	35	21%	101	19%	306	19%	2,091	20%
		A-	45	27%	96	20%	269	18%	2,053	20%	31	19%	113	21%	295	18%	2,193	21%
		A	38	22%	133	28%	453	31%	2,735	27%	59	35%	161	30%	541	33%	2,988	28%
Total		169	100%	483	100%	1,478	100%	10,292	100%	167	100%	541	100%	1,615	100%	10,681	100%	
26. Which of the following best describes where you are living now while attending college?	LIVENOW	Dormitory or other campus housing	108	64%	401	83%	1,193	81%	7,569	74%	6	4%	83	15%	236	15%	2,420	23%
		Residence, <b>walking distance</b>	13	8%	23	5%	52	4%	495	5%	59	36%	263	48%	652	40%	3,143	29%
		Residence, <b>driving distance</b>	47	28%	47	10%	200	14%	1,938	19%	96	58%	179	33%	672	42%	4,716	44%
		Fraternity/sorority house	0	0%	7	1%	13	1%	41	0%	1	1%	10	2%	33	2%	154	1%
		None of the above	1	1%	5	1%	16	1%	215	2%	4	2%	8	1%	23	1%	245	2%
		Total		169	100%	483	100%	1,474	100%	10,258	100%	166	100%	543	100%	1,616	100%	10,678
27a. What is the highest level of education that your <b>father</b> completed?	FATHREDU	Did not finish HS	14	8%	22	5%	89	6%	759	7%	12	7%	21	4%	63	4%	638	6%
		Graduated from HS	32	19%	72	15%	224	15%	2,187	21%	30	18%	94	17%	259	16%	2,215	21%
		Attended, no degree	24	14%	36	8%	151	10%	1,348	13%	14	8%	37	7%	165	10%	1,329	13%
		Completed Associate's	17	10%	29	6%	98	7%	878	9%	8	5%	40	7%	109	7%	851	8%
		Completed Bachelor's	36	21%	138	29%	434	30%	2,604	25%	43	26%	158	29%	452	28%	2,741	26%
		Completed Master's	31	18%	108	23%	273	19%	1,457	14%	31	19%	99	18%	300	19%	1,572	15%
		Completed Doctorate	14	8%	75	16%	198	13%	979	10%	27	16%	92	17%	263	16%	1,273	12%
Total		168	100%	480	100%	1,467	100%	10,212	100%	165	100%	541	100%	1,611	100%	10,619	100%	
27b. What is the highest level of education that your <b>mother</b> completed?	MOTHREDU	Did not finish HS	13	8%	28	6%	74	5%	568	6%	9	5%	15	3%	51	3%	526	5%
		Graduated from HS	29	17%	58	12%	185	13%	1,730	17%	27	16%	93	17%	257	16%	2,022	19%
		Attended, no degree	23	14%	45	9%	168	11%	1,467	14%	14	8%	46	8%	174	11%	1,440	13%
		Completed Associate's	14	8%	50	10%	165	11%	1,279	12%	23	14%	62	11%	193	12%	1,402	13%
		Completed Bachelor's	54	32%	167	35%	505	34%	3,117	30%	46	28%	165	30%	498	31%	3,063	29%
		Completed Master's	28	17%	93	19%	282	19%	1,636	16%	38	23%	115	21%	328	20%	1,727	16%
		Completed Doctorate	8	5%	40	8%	94	6%	465	5%	9	5%	46	8%	113	7%	490	5%
Total		169	100%	481	100%	1,473	100%	10,262	100%	166	100%	542	100%	1,614	100%	10,670	100%	

**NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions**  
**Frequency Distributions-Biological Sciences**  
**The University of Arizona**

			First-Year Students							Seniors								
			Arizona		AAUDE		Carnegie Class		NSSE 2012		Arizona		AAUDE		Carnegie Class		NSSE 2012	
Variable	Response Options		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
28. Primary major or expected primary major, in collapsed categories	MAJRPCOL	Arts and Humanities	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Biological Sciences	169	100%	483	100%	1,478	100%	10,314	100%	167	100%	544	100%	1,619	100%	10,713	100%
		Business	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Education	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Engineering	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Physical Sciences	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Professional (other)	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Social Sciences	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Other	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Undecided	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		
		<b>Total</b>	<b>169</b>	<b>100%</b>	<b>483</b>	<b>100%</b>	<b>1,478</b>	<b>100%</b>	<b>10,314</b>	<b>100%</b>	<b>167</b>	<b>100%</b>	<b>544</b>	<b>100%</b>	<b>1,619</b>	<b>100%</b>	<b>10,713</b>	<b>100%</b>
29. Second major or expected second major (not minor, concentration, etc.) if applicable, in collapsed categories	MAJRSCOL	Arts and Humanities	7	21%	31	22%	81	21%	543	20%	14	25%	37	27%	96	25%	396	19%
		Biological Sciences	9	27%	14	10%	55	15%	363	14%	17	30%	11	8%	72	19%	396	19%
		Business	0	0%	5	3%	13	3%	116	4%	3	5%	1	1%	11	3%	55	3%
		Education	0	0%	4	3%	9	2%	73	3%	0	0%	1	1%	2	1%	79	4%
		Engineering	0	0%	2	1%	6	2%	21	1%	0	0%	1	1%	2	1%	9	0%
		Physical Sciences	2	6%	14	10%	47	12%	465	17%	8	14%	20	15%	54	14%	386	18%
		Professional (other)	2	6%	14	10%	46	12%	432	16%	4	7%	7	5%	31	8%	214	10%
		Social Sciences	11	33%	47	33%	80	21%	444	17%	9	16%	53	39%	94	24%	433	20%
		Other	0	0%	9	6%	34	9%	186	7%	1	2%	6	4%	24	6%	145	7%
Undecided	2	6%	3	2%	7	2%	40	1%	0	0%	0	0%	1	0%	17	1%		
		<b>Total</b>	<b>33</b>	<b>100%</b>	<b>143</b>	<b>100%</b>	<b>378</b>	<b>100%</b>	<b>2,683</b>	<b>100%</b>	<b>56</b>	<b>100%</b>	<b>137</b>	<b>100%</b>	<b>387</b>	<b>100%</b>	<b>2,130</b>	<b>100%</b>
- Institution reported: Gender	GENDER	Male	53	31%	139	29%	429	29%	3,007	29%	57	34%	214	39%	580	36%	3,822	36%
		Female	116	69%	344	71%	1,049	71%	7,307	71%	109	66%	330	61%	1,039	64%	6,889	64%
		<b>Total</b>	<b>169</b>	<b>100%</b>	<b>483</b>	<b>100%</b>	<b>1,478</b>	<b>100%</b>	<b>10,314</b>	<b>100%</b>	<b>166</b>	<b>100%</b>	<b>544</b>	<b>100%</b>	<b>1,619</b>	<b>100%</b>	<b>10,711</b>	<b>100%</b>
- Institution reported: Race or ethnicity	ETHNICIT	African American/Black	10	6%	31	6%	121	8%	960	10%	2	1%	24	4%	65	4%	708	7%
		Am. Indian/Native Amer.	2	1%	2	0%	5	0%	76	1%	4	2%	1	0%	6	0%	71	1%
		Asian/Pacific Islander	24	14%	82	17%	173	12%	773	8%	39	23%	99	18%	186	12%	763	8%
		Caucasian/White	87	51%	267	55%	927	63%	6,072	63%	89	53%	330	61%	1,116	70%	6,919	69%
		Hispanic	40	24%	36	7%	107	7%	839	9%	26	16%	24	4%	76	5%	669	7%
		Other	2	1%	0	0%	0	0%	51	1%	3	2%	0	0%	0	0%	34	0%
		Foreign	4	2%	27	6%	42	3%	250	3%	4	2%	36	7%	61	4%	237	2%
		Multi-racial	0	0%	21	4%	59	4%	284	3%	0	0%	10	2%	34	2%	187	2%
		Unknown	0	0%	17	4%	44	3%	366	4%	0	0%	20	4%	58	4%	425	4%
		<b>Total</b>	<b>169</b>	<b>100%</b>	<b>483</b>	<b>100%</b>	<b>1,478</b>	<b>100%</b>	<b>9,671</b>	<b>100%</b>	<b>167</b>	<b>100%</b>	<b>544</b>	<b>100%</b>	<b>1,602</b>	<b>100%</b>	<b>10,013</b>	<b>100%</b>
- Institution reported: Enrollment status	ENROLLMT	Part-time	3	2%	1	0%	17	1%	193	2%	37	22%	25	5%	101	6%	866	8%
		Full-time	166	98%	482	100%	1,461	99%	10,121	98%	130	78%	519	95%	1,518	94%	9,847	92%
		<b>Total</b>	<b>169</b>	<b>100%</b>	<b>483</b>	<b>100%</b>	<b>1,478</b>	<b>100%</b>	<b>10,314</b>	<b>100%</b>	<b>167</b>	<b>100%</b>	<b>544</b>	<b>100%</b>	<b>1,619</b>	<b>100%</b>	<b>10,713</b>	<b>100%</b>



## *Benchmark Statistics*

### *Biological Sciences*

## **The University of Arizona**

*NSSE 2012 Major Field Report*

*Part II. Comparisons to Other Institutions*



## NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions

### *Interpreting the Benchmark Statistics*

#### Benchmarks

To focus discussions about the importance of student engagement and to guide institutional improvement efforts, NSSE created five Benchmarks of Effective Educational Practice: Level of Academic Challenge, Active and Collaborative Learning, Student-Faculty Interaction, Enriching Educational Experiences, and Supportive Campus Environment.

#### Class

Benchmark comparisons are given separately by institution-reported class level. Of course, first-year student majors may be unstable, and their results should be interpreted with caution.

#### Major Categories

Self-reported majors (primary major if two were reported) were identified from the survey. Institutions had the option to customize how these were grouped, using up to eight related-major categories.

Major categories with fewer than twenty respondents in a given class are not reported. Comparison groups must contain at least three institutions with five or more respondents in the major category, or they remain blank.

#### Sample

This report is based on information from all randomly selected or census-administered Biological Sciences students for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not included.

#### BETWEEN Institution Comparisons on Major Categories

NSSE data serve to identify institutional strengths and weaknesses in reference to selected comparison institutions, yet institution-level comparisons may not capture important variation in student engagement that can be found within key sub-populations such as major. This report displays the benchmark comparisons for the Biological Sciences major category at your institution and at your selected comparison institutions.

#### Mean

The mean is the arithmetic average of the students' benchmark scores where students answered at least 3/5ths of the benchmark items.

#### Weighting

All results displayed in this report are unweighted.

#### Distribution Statistics

The dispersion of the first-year and senior benchmark scores for your institution and your selected comparison or consortium groups.

	Mean Statistics			Distribution Statistics					Reference Group Comparison Statistics			
	Mean	S.D. <sup>b</sup>	SEM <sup>c</sup>	Percentiles <sup>d</sup>					Deg. of Freedom <sup>e</sup>	Mean Diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
				5th	25th	50th	75th	95th				
<b>LEVEL OF ACADEMIC CHALLENGE (LAC)</b>												
NSSEville State (N = 107)	58.0	13.1	1.3	38	50	58	67	79				
Mid East Private	57.5	12.6	.3	36	50	58	66	77	2,170	.5	.698	.04
Carnegie Class	54.1	12.8	.2	33	45	54	63	75	5,416	4.0	.002	.31
NSSE 2012	55.3	13.0	.1	33	47	56	65	76	20,953	2.8	.029	.21
<b>ACTIVE AND COLLABORATIVE LEARNING (ACL)</b>												
NSSEville State (N = 107)	47.2	13.4	1.3	29	38	48	57	71				
Mid East Private	46.1	15.5	.3	24	33	44	57	71	2,174	1.1	.464	.07
Carnegie Class	44.5	15.8	.2	19	33	43	52	71	5,414	2.8	.071	.18
NSSE 2012	44.4	15.5	.1	19	33	43	52	71	20,956	2.8	.059	.18

#### Statistical Significance

Statistical significance is reported as the probability that the difference is due to chance variation. Values lower than .05 meet the conventional standard for significance. The smaller the significance level, the smaller the likelihood that the difference is due to chance. Please note that statistical significance does not guarantee that the result is substantive or important. Large sample sizes (as with the NSSE project) tend to produce more statistically significant results even though the magnitude of mean differences may be inconsequential. It is recommended to consult effect sizes to judge the practical meaning of the results.

#### Effect Size

Effect size indicates the practical significance of the mean difference. It is calculated by dividing the mean difference by the pooled standard deviation. In practice, an effect size of .2 is often considered small, .5 moderate, and .8 large. A positive sign indicates that your institution's mean was greater, thus showing an affirmative result for the institution. A negative sign indicates the institution lags behind the comparison group, suggesting that the student behavior or institutional practice represented by the item may warrant attention.





NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions<sup>a</sup>

The University of Arizona

Benchmark Statistics: Biological Sciences

First-Year Students

	Mean Statistics			Distribution Statistics					Reference Group Comparison Statistics			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	Percentiles <sup>d</sup>					Deg. of Freedom <sup>e</sup>	Mean Diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
	5th	25th	50th	75th	95th							
<b>LEVEL OF ACADEMIC CHALLENGE (LAC)</b>												
Arizona (N = 169)	58.0	12.9	1.0	34	50	58	68	78				
AAUDE	57.2	12.3	.6	37	49	57	67	76	650	.7	.514	.06
Carnegie Class	56.2	12.5	.3	35	48	56	66	76	1,642	1.8	.077	.14
NSSE 2012	57.2	12.9	.1	36	48	57	67	77	10,469	.8	.443	.06
<b>ACTIVE AND COLLABORATIVE LEARNING (ACL)</b>												
Arizona (N = 168)	44.3	14.9	1.1	24	33	43	52	71				
AAUDE	42.1	15.7	.7	19	29	38	52	71	649	2.3	.104	.15
Carnegie Class	41.7	16.0	.4	19	29	38	52	71	1,641	2.6	.042	.17
NSSE 2012	44.9	16.4	.2	19	33	43	57	76	10,462	-6	.627	-.04
<b>STUDENT-FACULTY INTERACTION (SFI)</b>												
Arizona (N = 168)	34.9	17.6	1.4	11	22	33	44	67				
AAUDE	32.3	17.9	.8	11	17	28	44	67	647	2.6	.097	.15
Carnegie Class	33.8	18.1	.5	11	22	33	44	67	1,634	1.1	.468	.06
NSSE 2012	36.9	18.6	.2	11	22	33	50	72	10,438	-2.0	.166	-.11
<b>ENRICHING EDUCATIONAL EXPERIENCES (EEE)</b>												
Arizona (N = 169)	31.4	12.7	1.0	12	22	32	40	54				
AAUDE	32.2	12.3	.6	14	23	32	40	54	649	-.8	.456	-.07
Carnegie Class	31.3	13.3	.3	11	22	31	40	54	1,637	.1	.930	.01
NSSE 2012	30.3	13.2	.1	11	21	29	39	52	10,450	1.1	.280	.08
<b>SUPPORTIVE CAMPUS ENVIRONMENT (SCE)</b>												
Arizona (N = 168)	58.9	16.2	1.3	31	47	58	69	86				
AAUDE	61.2	17.0	.8	36	50	61	72	92	646	-2.3	.127	-.14
Carnegie Class	63.1	17.8	.5	36	50	64	75	92	1,638	-4.2	.003	-.24
NSSE 2012	65.2	18.4	.2	33	53	67	78	94	174	-6.4	.000	-.35

<sup>a</sup> Major categories are based on recodes of the student-reported primary major field (majrpcod).

<sup>b</sup> Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

<sup>c</sup> The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

<sup>d</sup> A percentile is the point in the distribution of student benchmark scores at or below which a given percentage of benchmark scores fall.

<sup>e</sup> Degrees of freedom used to compute the t-tests. Values vary for the total Ns due to the equal variance assumption.

<sup>f</sup> Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

<sup>g</sup> Effect size is calculated by subtracting the comparison group mean from your institution's mean, and dividing the result by the pooled standard deviation.



NSSE 2012 Major Field Report: Part II. Comparisons to Other Institutions<sup>a</sup>

The University of Arizona

Benchmark Statistics: Biological Sciences

Seniors

	Mean Statistics			Distribution Statistics					Reference Group Comparison Statistics			
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	Percentiles <sup>d</sup>					Deg. of Freedom <sup>e</sup>	Mean Diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
	5th	25th	50th	75th	95th							
<b>LEVEL OF ACADEMIC CHALLENGE (LAC)</b>												
Arizona (N = 167)	55.6	12.5	1.0	33	47	56	65	74				
AAUDE	56.8	14.1	.6	33	48	57	67	78	708	-1.1	.347	-.08
Carnegie Class	55.7	14.0	.3	32	47	56	65	79	1,782	-.1	.924	-.01
NSSE 2012	58.4	13.8	.1	35	49	59	68	80	10,861	-2.8	.009	-.20
<b>ACTIVE AND COLLABORATIVE LEARNING (ACL)</b>												
Arizona (N = 167)	48.0	16.2	1.3	24	38	48	57	76				
AAUDE	46.7	17.1	.7	19	33	48	57	76	708	1.4	.360	.08
Carnegie Class	45.9	17.1	.4	19	33	43	57	76	1,783	2.1	.124	.13
NSSE 2012	50.9	17.3	.2	24	38	48	62	81	10,868	-2.9	.033	-.17
<b>STUDENT-FACULTY INTERACTION (SFI)</b>												
Arizona (N = 166)	47.4	21.2	1.6	17	33	50	61	89				
AAUDE	46.1	22.4	1.0	11	28	44	61	87	707	1.3	.509	.06
Carnegie Class	44.5	21.5	.5	11	28	44	61	83	1,775	2.8	.105	.13
NSSE 2012	49.4	22.4	.2	17	33	50	67	89	10,834	-2.0	.246	-.09
<b>ENRICHING EDUCATIONAL EXPERIENCES (EEE)</b>												
Arizona (N = 167)	47.5	16.7	1.3	21	36	47	58	77				
AAUDE	45.9	16.9	.7	18	35	46	57	72	707	1.7	.264	.10
Carnegie Class	44.3	17.4	.4	17	32	44	57	72	1,779	3.2	.024	.18
NSSE 2012	45.3	18.3	.2	15	32	46	58	76	172	2.2	.096	.12
<b>SUPPORTIVE CAMPUS ENVIRONMENT (SCE)</b>												
Arizona (N = 167)	57.0	16.5	1.3	28	47	58	69	81				
AAUDE	55.8	19.1	.8	22	44	56	67	89	316	1.2	.429	.06
Carnegie Class	57.7	18.6	.5	25	47	58	69	89	212	-.7	.617	-.04
NSSE 2012	60.7	19.1	.2	28	47	61	75	92	173	-3.8	.004	-.20

<sup>a</sup> Major categories are based on recodes of the student-reported primary major field (majrpcod).

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