

											U	of A com	pared with	:	
					College	Means			U of A	Be	nchma	rk	Carr	egie Po	ers
		Level	AFLS	ARCH	ARSC	EDHP	ENGR	wсов	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
1. <b>A</b>	cademic and Intellectual Experiences														
	In your experience at your institution during the current scl about how often have you done each of the following?	nool year,					1=neve	r, 2=some	times, 3=often,	4=very of	ten				
a.	Asked questions in class or contributed to class	First-year	2.49	2.69	2.73	2.58	2.37	2.75	2.64	2.60			2.64		
a.	discussions	Senior	2.92	2.63	3.05	3.07	2.70	2.77	2.93	2.87			2.92		
b.	Made a class presentation	First-year	2.25	2.38	2.00	2.16	1.70	2.65	2.12	2.04	**	.11	2.07		
-		Senior	2.72	3.63	2.46	2.93	2.36	3.06	2.64	2.62			2.64		
C.	Prepared two or more drafts of a paper or	First-year	2.42	2.56	2.38	2.79	2.16	2.70	2.45	2.54	*	09	2.57	**	12
C.	assignment before turning it in	Senior	2.34	2.38	2.38	2.62	2.21	2.37	2.38	2.37			2.42		
d	Worked on a paper or project that required integrating ideas or information from	First-year	2.86	2.94	2.93	3.13	2.59	3.01	2.90	2.91			2.95		
u.	various sources	Senior	3.20	3.75	3.23	3.35	3.02	3.21	3.21	3.23			3.24		
۵	Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class	First-year	2.49	2.81	2.71	2.58	2.20	2.72	2.61	2.71	**	11	2.72	**	12
o.	discussions or writing assignments	Senior	2.25	2.38	2.81	3.02	2.04	2.55	2.61	2.67			2.69		
f	Come to class without completing readings or	First-year	2.18	1.88	2.35	2.18	2.27	2.15	2.27	2.13	***	.18	2.12	***	.19
	assignments	Senior	2.31	2.00	2.27	2.05	2.28	2.38	2.28	2.28			2.23		
9	Worked with other students on projects during	First-year	2.61	2.88	2.47	2.56	2.52	2.56	2.52	2.35	***	.21	2.36	***	.19
g.	class	Senior	2.67	3.13	2.39	2.85	2.40	2.68	2.54	2.42	**	.14	2.43	**	.12
	Worked with classmates outside of class to	First-year	2.35	2.94	2.27	2.48	2.64	2.75	2.44	2.45			2.40		
h.	prepare class assignments	Senior	2.61	2.88	2.42	3.01	3.10	3.31	2.78	2.87	*	10	2.80		
i	Put together ideas or concepts from different courses when completing assignments or during	First-year	2.59	2.44	2.54	2.56	2.38	2.69	2.54	2.56			2.56		
	class discussions	Senior	2.73	2.88	2.86	2.97	2.91	2.89	2.87	2.91			2.90		
i	Tutored or taught other students	First-year	1.64	1.50	1.78	1.64	1.92	1.79	1.79	1.73			1.71	*	.08
J.	(paid or voluntary)	Senior	1.68	2.00	1.83	1.68	1.99	1.76	1.85	1.90			1.89		

 $<sup>^</sup>a$  Weighted by gender, enrollment status, and institutional size.  $^b*$  p<.05  $\,\,^{**}$  p<.01  $\,\,^{***}$  p<.001 (2-tailed).

<sup>&</sup>lt;sup>c</sup> Mean difference divided by comparison group standard deviation.

Academic and Intellectual Experiences (continued)   In your experience at your institution during the current achool year, service learning) as part of a regular course   Participating as part of a regular course   First-year   1.45   1.25   1.43   1.63   1.40   1.66   1.48   1.45   1.57   1.61   1.62     Interinet, instant messaging, etc.) to discuss or complete an assignment   First-year   3.30   2.54   3.30   2.57   3.02   2.73   2.88   2.75   2.71   2.72			College Means								U	of A com	ompared with:			
Level   ARS   ARCH   ARS   ENP   ENGR   WCOB   Mean*   New   Sig*   Size*   Mean*   Sig*   Size*   New						College	Means			U of A	Ве	enchma		Carr	negie P	
Adademic and Intellectual Experiences (continued) In your experience at your instantion during the current school year, about how often have your done soch of the Moleymay's service learning) as part of a regular course service learning as part of their regular course service learning as part of a regular course service learning as part of their regular course of the regular course of their regular cou			Level	AFLS	ARCH	ARSC	EDHP	ENGR	wсов	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig b		Mean <sup>a</sup>	Sigb	Effect Size <sup>c</sup>
## Participated in a community-based project (e.g. service learning) as part of a regular course   First-year   1.45   1.25   1.43   1.63   1.40   1.66   1.48   1.45   1.	1. 🖟	cademic and Intellectual Experiences (continued)														
Service learning  as part of regular courses   Service learning  as part of a regular courses   Service learning  as part of a regular course   Service   Servic			nool year,					1=neve	r, 2=some	times, 3=often,	4=very or	ften				
Used an electronic medium (listsery, chat group, It Internet, instant messaging, etc.) to discuss or complete an assignment messaging, etc.) to discuss or complete an assignment with an instructor medium (listsery, chat group, It Internet, instant messaging, etc.) to discuss or complete an assignment with an instructor medium (listsery, chat group, It Internet, instant messaging, etc.) to discuss or complete an assignment with an instructor medium (listsery, chat group).  In Used e-mail to communicate with an instructor medium (listsery, chat group).  In Discussed grades or assignments with an instructor medium (listsery, chat group).  In Discussed grades or assignments with an instructor for advisor member of advisor and the group of t	k	Participated in a community-based project (e.g.	•							_				_		
Internet, instant messaging, etc.) to discuss or complete an assignment    Senior   2.38   2.88   2.63   3.00   2.57   3.02   2.73   2.88   *** -1.15   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2.88   2		service learning) as part of a regular course	Senior	1.62	2.38	1.43	2.06	1.38	1.61	1.57	1.61			1.62		
No.   Discussed grades or assignments with an instructor   First-year   3.30   2.94   3.31   3.26   2.95   3.35   3.35   3.35   3.35   3.37   3.35	I.	, , , , , , , , , , , , , , , , , , , ,	First-year	2.66	1.88	2.60	2.72	2.46	2.99	2.63	2.75		12	2.72	*	08
Senior   3.45   3.50   3.43   3.86   3.12   3.46   3.41   3.35   3.32   ***   1.74		complete an assignment	Senior	2.38	2.88	2.63	3.00	2.57	3.02	2.73	2.88	***	15	2.88	**	14
n. Discussed grades or assignments with an instructor Senior 3.10 2.75 2.86 2.97 2.68 2.97 2.66 2.87 2.88 2.72 1.6 2.73 1.1 2.06 1.1 2.0	n	. Used e-mail to communicate with an instructor	First-year		-				3.35	3.19	3.07	***	.15			.19
Discussed grades or assignments with an instructor   Senior   3.10   2.75   2.86   2.97   2.65   2.87   2.86   2.72   ***   1.6   2.73   ***   1.74   2.06   ***   1.74   2.07			Senior	3.45	3.50	3.43	3.68	3.12	3.46	3.41	3.35			3.32	**	.12
Senior   3.10   2.75   2.86   2.97   2.65   2.87   2.86   2.77   *** .16   2.73   *** .15   2.74   2.75   2.75   2.75   2.74   2.75   2.74   2.75   2.74   2.75   2		Discussed grades or assignments with an instructor	First-year	2.59	2.81	2.67	2.68	2.42	2.75	2.64	2.48	***	.18	2.48	***	.18
Parked about career plans with a faculty member or advisor   Senior   2.90   2.75   2.40   2.65   2.29   2.39   2.16   2.32   ***   .15   2.31   ***   .1	- 11	Discussed grades of assignments with an instructor	Senior	3.10	2.75	2.86	2.97	2.65	2.87	2.86	2.72	***	.16	2.73	***	.15
Discussed ideas from your readings or classes with faculty members outside of class  Received prompt written or oral feedback from faculty on your academic performance  Worked harder than you thought you could to meet an instructor's standards or expectations  Worked with faculty members on activities other stand coursework (committees, orientation, student life activities, etc.)  Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)  Had serious conversations with students of a different race or ethnicity than your own  First-year 2.43 2.56 2.60 2.65 2.66 2.74 2.81 2.52 2.65 2.66 2.66 2.67 2.69 2.52 2.60 2.67 2.69 2.51 2.51 2.74 2.60 2.51 2.55 2.58 2.66 2.67 2.60 2.67 2.60 2.67 2.60 2.67 2.60 2.67 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60	0		First-year	2.45	2.38	2.14	2.11	1.97	2.18	2.15	2.05		.11	2.06		.10
Senior   1.82   2.00   2.06   2.13   2.02   2.03   2.05   2.00   2.00		or advisor	Senior	2.90	2.75	2.40	2.65	2.29	2.39	2.46	2.32	***	.15	2.31	***	.16
Received prompt written or oral feedback from faculty on your academic performance    Senior   1.82   2.00   2.06   2.13   2.02   2.03   2.05   2.00   2.00   2.00	n		First-year	1.79	2.06	1.80	1.67	1.62	1.85	1.79	1.75			1.74		
Received prompt written or oral reedback from faculty on your academic performance  Senior 2.49 2.75 2.74 2.87 2.42 2.58 2.65 2.66 2.67  Worked harder than you thought you could to meet an instructor's standards or expectations  Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)  Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)  First-year 2.45 2.75 2.49 2.65 2.23 2.61 2.48 2.50 2.55 2.58 2.62 *	Р	with faculty members outside of class	Senior	1.82	2.00	2.06	2.13	2.02	2.03	2.05	2.00			2.00		
Worked harder than you thought you could to meet an instructor's standards or expectations  Worked with faculty members on activities other stand acoursework (committees, orientation, student life activities, etc.)  Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)  Had serious conversations with students of a different race or ethnicity than your own  Had serious conversations with students who are very different from you in terms of their religious  First-year 2.45 2.75 2.49 2.65 2.23 2.61 2.55 2.58 2.52 2.52 2.58  Loo 2.44 2.65 2.55 2.58 2.62 *0  Loo 2.51 2.52 2.58 2.62 *0  Loo 2.52 2.53 2.55 2.58 2.62 *0  Loo 2.53 2.54 2.60 2.51 2.65 2.65 2.68 2.60 2.60 2.51 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60	n	Received prompt written or oral feedback from	First-year	2.43	2.56	2.60	2.65	2.46	2.79	2.59	2.52	*	.09	2.51	**	.10
Non-control form and structor's standards or expectations   Senior   2.56   2.71   2.51   2.74   2.60   2.51   2.55   2.58   2.62   *0	1	faculty on your academic performance	Senior	2.49	2.75	2.74	2.87	2.42	2.58	2.65	2.66			2.67		
An instructor's standards or expectations  Senior 2.56 2.71 2.51 2.74 2.60 2.51 2.55 2.58 2.58 2.62 *(  Worked with faculty members on activities other s. than coursework (committees, orientation, student life activities, etc.)  Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)  Had serious conversations with students of a different race or ethnicity than your own  Had serious conversations with students who are v. very different from you in terms of their religious	_	Worked harder than you thought you could to meet	First-year	2.45	2.75	2.49	2.65	2.23	2.61	2.48	2.50			2.52		
s. than coursework (committees, orientation, student life activities, etc.)  Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)  Had serious conversations with students of a different race or ethnicity than your own  Had serious conversations with students who are very different from you in terms of their religious  senior 2.15 2.00 1.78 1.81 1.89 1.83  1.84 1.76  1.74 ** .1  1.84 1.76  1.74 ** .1  1.84 1.76  1.74 ** .1  1.89 1.81  1.89 1.83  1.80 2.65  2.65  2.65  2.65  2.68  2.76 2.83  2.80 2.68  2.76 2.83  2.80 2.69  2.78 2.59  2.79 2.69  2.79 2.69  2.79 2.69  2.79 2.79  2.79 2.89  2.79 2.89  2.79 2.89  2.79 2.89  2.79 2.79  2.79 2.89  2.79 2.89  2.79 2.79  2.79 2.89  2.79 2.79  2.79 2.89  2.79 2.79  2.79 2.89  2.79 2.79  2.79 2.89  2.79 2.79  2.79 2.89  2.79 2.79  2.79 2.79  2.79 2.89  2.79 2.79  2.70 2.79  2.70 2.70  2.70 2.70  2.71 2.42 2.64  2.65 2.65  2.65 2.65  2.65 2.65  2.65 2.65  2.65 2.65  2.65 2.65  2.65 2.65  2.65 2.65  2.70 2.89  2.70 2.70  2.70	1.	an instructor's standards or expectations	Senior	2.56	2.71	2.51	2.74	2.60	2.51	2.55	2.58			2.62	*	09
Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)   Senior   2.15   2.00   1.78   1.81   1.89   1.83   1.84   1.76   1.74   **   .1		•	First-year	1.71	1.81	1.63	1.68	1.48	1.88	1.67	1.49	***	.24	1.49	***	.23
t. others outside of class (students, family members, co-workers, etc.)  Had serious conversations with students of a different race or ethnicity than your own  Had serious conversations with students who are very different from you in terms of their religious  Senior 2.83 2.75 2.84 2.80 2.68 2.64 2.63 2.64 2.81 2.50 2.68 2.64 2.63 2.64 2.69 2.68  2.83 2.83 *0  2.83 2.75 2.84 2.80 2.68 2.64 2.69 2.69 2.69  2.83 2.75 2.88 2.80 2.51 2.63 2.80 2.64 2.63 2.64 2.69 2.73	5	,	Senior	2.15	2.00	1.78	1.81	1.89	1.83	1.84	1.76			1.74	**	.11
Co-workers, etc.)   Senior   2.83   2.75   2.84   2.80   2.68   2.64   2.76   2.83   2.83   *00			First-year	2.45	2.94	2.76	2.74	2.42	2.64	2.65	2.65			2.68		
different race or ethnicity than your own  Senior 2.44 2.63 2.64 2.81 2.56 2.64 2.69 2.68  Had serious conversations with students who are v. very different from you in terms of their religious  Senior 2.44 2.63 2.64 2.81 2.56 2.64 2.69 2.68  2.64 2.69 2.68  2.73 2.73 2.78	ι.	, , , ,	Senior	2.83	2.75	2.84	2.80	2.68	2.64	2.76	2.83			2.83	*	09
u. different race or ethnicity than your own  Senior 2.44 2.63 2.64 2.81 2.56 2.64 2.69 2.68  Had serious conversations with students who are v. very different from you in terms of their religious  Senior 2.44 2.63 2.64 2.81 2.56 2.64 2.69 2.68  2.63 2.64 2.80 2.51 2.63 2.80 2.73		Had serious conversations with students of a	First-year	2.45	3.06	2.56	2.21	2.44	2.53	2.52	2.59			2.59	*	07
v. very different from you in terms of their religious	u		Senior	2.44	2.63	2.64	2.81	2.56	2.64	2.64	2.69			2.68		
			First-year	2.57	2.88	2.80	2.51	2.63	2.80	2.73	2.78			2.73		
beliefs, political opinions, or personal values Senior 2.68 2.88 2.72 2.83 2.68 2.64 2.71 2.81 *11 2.74	V	very different from you in terms of their religious	Senior	2.68	2.88	2.72	2.83	2.68	2.64	2.71	2.81	*	11	2.74		

 $<sup>^</sup>a$  Weighted by gender, enrollment status, and institutional size.  $^b*p{<}.05\ ^{**}p{<}.01\ ^{***}p{<}.001\ (2{\text{-tailed}}).$ 

<sup>&</sup>lt;sup>c</sup> Mean difference divided by comparison group standard deviation.

											ι	J of A com	npared with:		
					College	Means			U of A	В	enchma		Carr	negie Po	
		Level	AFLS	ARCH	ARSC	EDHP	ENGR	wсов	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig b	Effect Size <sup>c</sup>	Meana	Sig b	Effect Size <sup>c</sup>
2. 1	lental Activities													· ·	
	During the current school year, how much has your cemphasized the following mental activities?	oursework					1=very li	ttle, 2=som	ne, 3=quite a b	it, 4=very	much				
	Memorizing facts, ideas, or methods from your	First-year	2.85	2.63	3.09	3.12	2.92	2.92	2.99	2.92	*	.09	2.91	**	.09
а	courses and readings so you can repeat them in pretty much the same form	Senior	3.14	2.50	2.97	2.75	2.51	2.97	2.87	2.74	***	.14	2.77	**	.12
b	Analyzing the basic elements of an idea, experience, or theory, such as examining a particular case or situation in depth and considering	First-year	3.04	3.25	3.08	2.93	2.96	2.99	3.02	3.10	**	11	3.08	*	08
	its components	Senior	3.05	3.38	3.11	3.24	3.19	3.16	3.15	3.22	*	09	3.22	*	10
	<b>Synthesizing</b> and organizing ideas, information, or experiences into new, more complex interpretations	First-year	2.85	3.13	2.84	2.75	2.74	2.92	2.84	2.84			2.83		
C	and relationships	Senior	2.85	3.50	2.96	3.09	2.94	2.84	2.95	2.99			2.99		
d	Making judgments about the value of information, arguments, or methods, such as examining how	First-year	2.78	3.06	2.69	2.67	2.42	2.98	2.70	2.79	*	10	2.79	*	10
ŭ	others gathered and interpreted data and assessing the soundness of their conclusions	Senior	2.81	3.00	2.81	3.07	2.73	2.90	2.85	2.90			2.91		
е	Applying theories or concepts to practical problems	First-year	2.91	3.19	2.85	3.02	3.18	2.95	2.93	3.05	***	14	3.01	*	09
6	or in new situations	Senior	3.07	3.63	2.92	3.37	3.23	3.13	3.08	3.16	*	09	3.16	*	08
3. F	Reading and Writing  During the current school year, about how much read writing have you done?	ling and		1	=none, 2=	=between	1 and 4,	3=betweer	n 5 and 10, 4=k	between 1	11 and 2	'0, 5=more	e than 20		
а	Number of assigned textbooks, books, or	First-year	2.95	2.81	3.33	3.05	2.86	3.29	3.17	3.30	***	14	3.28	**	12
	book-length packs of course readings	Senior	2.71	3.00	3.36	3.09	2.82	2.92	3.10	3.19	*	10	3.17		
h	Number of books read on your own (not assigned)	First-year	2.15	2.19	2.14	2.09	2.09	2.05	2.10	2.05			2.05		
J	for personal enjoyment or academic enrichment	Senior	2.37	2.75	2.48	2.15	2.30	2.03	2.30	2.23			2.21	*	.09
С	Number of written papers or reports of 20 pages or	First-year	1.20	1.25	1.15	1.21	1.14	1.17	1.17	1.19			1.22	*	09
C	more	Senior	1.42	1.50	1.58	1.53	1.98	1.36	1.58	1.59			1.61		
d	Number of written papers or reports between 5 and	First-year	1.93	2.19	2.08	2.07	1.86	2.09	2.03	2.23	***	24	2.26	***	27
	19 pages	Senior	2.22	2.25	2.51	2.39	2.67	2.23	2.44	2.57	***	14	2.54	**	11
е	Number of written papers or reports of fewer than 5	First-year	2.76	2.56	2.77	2.93	2.59	2.83	2.76	3.01	***	25	3.03	***	27
ŭ	pages	Senior	3.00	3.50	2.87	3.04	2.74	2.72	2.87	3.01	**	13	2.98	*	10

 $<sup>^</sup>a$  Weighted by gender, enrollment status, and institutional size.  $^b*p{<}.05\ ^{**}p{<}.01\ ^{***}p{<}.001\ (2{\text{-tailed}}).$ 

<sup>&</sup>lt;sup>c</sup> Mean difference divided by comparison group standard deviation.

										U of A compared with:  Benchmark Carnegie Peers					
					College	Means			U of A	Be	enchma	rk	Carr	egie P	eers
		Level	AFLS	ARCH	ARSC	EDHP	ENGR	wсов	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sigb	Effect Size <sup>c</sup>
4. F	Problem Sets														
	In a typical week, how many homework problem sets complete?	do you					1=none	e, 2=1-2, 3	=3-4, 4=5-6, 5 	=more tha	n 6				
а	Number of problem sets that take you more than an	First-year	2.73	3.06	2.58	2.50	3.18	2.72	2.72	2.69			2.67		
d	hour to complete	Senior	2.76	3.13	2.32	2.54	3.55	2.49	2.61	2.56			2.57		
b	Number of problem sets that take you less than an	First-year	2.95	2.81	2.83	2.77	2.78	3.21	2.90	2.74	***	.13	2.72	***	.14
U	hour to complete	Senior	2.43	2.50	2.30	2.51	2.42	2.77	2.46	2.24	***	.18	2.28	***	.15
5. <b>E</b>	xaminations							1=very li	ttle to 7=very n	nuch					
	To what extent have your examinations during the	First-year	5.44	5.31	5.41	5.64	5.72	5.56	5.50	5.52			5.47		
	current school year challenged you to do your best work?	Senior	5.40	4.88	5.24	5.56	5.39	5.19	5.30	5.32			5.36		
6.	Additional Collegiate Experiences														
	During the current school year, about how often have each of the following?	you done					1=r	never, 2=som	etimes, 3=often, 4	=very often					
	Attended an art exhibit, gallery, play, dance, or	First-year	2.11	2.00	2.23	2.09	1.61	2.09	2.09	2.03			2.08		
а	other theatre performance	Senior	2.00	2.75	2.19	1.90	1.63	1.77	1.95	2.00			2.00		
b	Exercised or participated in physical fitness	First-year	2.58	2.63	2.81	3.16	2.78	3.10	2.88	2.96			2.84		
	activities	Senior	2.68	2.75	2.70	2.75	2.42	2.78	2.69	2.85	***	17	2.76		
C	Participated in activities to enhance your spirituality	First-year	2.42	2.75	2.36	2.68	2.35	2.60	2.42	2.06	***	.33	2.11	***	.27
C	(worship, meditation, prayer, etc.)	Senior	2.52	2.50	2.31	2.78	2.30	2.48	2.42	2.09	***	.29	2.21	***	.18
d	Examined the strengths and weaknesses of your	First-year	2.64	2.94	2.75	2.57	2.47	2.64	2.67	2.57	**	.12	2.57	**	.12
Ü	own views on a topic or issue	Senior	2.71	2.88	2.84	2.92	2.68	2.60	2.78	2.70	*	.09	2.69	*	.10
е	Tried to better understand someone else's views by imagining how an issue looks from his or her	First-year	2.58	3.00	2.84	2.70	2.52	2.87	2.76	2.73			2.73		
	perspective	Senior	2.82	2.75	2.92	2.97	2.65	2.86	2.87	2.83			2.83		
	Learned something that changed the way you	First-year	2.62	3.06	2.85	2.82	2.57	2.78	2.77	2.81			2.80		
	understand an issue or concept	Senior	2.86	3.25	2.89	2.94	2.68	2.89	2.86	2.87			2.87		

 $<sup>^</sup>a$  Weighted by gender, enrollment status, and institutional size.  $^b*p{<}.05~**p{<}.01~****p{<}.001~(2-tailed).$ 

<sup>&</sup>lt;sup>c</sup> Mean difference divided by comparison group standard deviation.

											U	of A com	pared with	:	
					College	Means			U of A	Ве	enchma	ırk	Carr	negie Pe	ers
		Level	AFLS	ARCH	ARSC	EDHP	ENGR	wсов	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Meana	Sig <sup>b</sup>	Effect Size <sup>c</sup>
7. Er	which of the following have you done or do you plan before you graduate from your institution?	to do	(Recod	led: 0=hav	ve not ded	cided, do i	not plan to		to do; 1=done. Il valid respond		mean is	s the prop	ortion res <sub>l</sub>	oonding	"done"
a.	Practicum, internship, field experience, co-op experience, or clinical assignment	First-year Senior	0.11 0.64	0.06 0.43	0.06 0.46	0.18 0.75	0.07 0.57	0.07 0.45	.08 .53	.06 .56			.07 .53		
b.	Community service or volunteer work	First-year Senior	0.39 0.64	0.50 0.71	0.39 0.60	0.49 0.69	0.29 0.46	0.52 0.61	.40 .60	.39 .65	*	10	.37 .60		
c.	Participate in a learning community or some other formal program where groups of students take two or more classes together	First-year Senior	0.17 0.33	0.06 0.29	0.14 0.24	0.23 0.55	0.08 0.11	0.34 0.27	.17	.21 .27	**	10	.19 .26		
d.	Work on a research project with a faculty member outside of course or program requirements	First-year Senior	0.07 0.35	0.00 0.43	0.03 0.28	0.02 0.11	0.03 0.28	0.03 0.11	.03	.05 .23	*	07	.04 .21		
e.	Foreign language coursework	First-year Senior	0.17 0.40	0.13 0.43	0.40 0.83	0.11 0.25	0.11 0.33	0.20 0.31	.26 .52	.30 .51	*	09	.26 .46	**	.13
f.	Study abroad	First-year Senior	0.02 0.18	0.00 0.71	0.03 0.24	0.02 0.08	0.01 0.17	0.00	.02 .17	.02 .18			.02 .15		
g.	Independent study or self-designed major	First-year Senior	0.02 0.05	0.00 0.43	0.01 0.25	0.07 0.21	0.04 0.13	0.04 0.16	.03 .20	.03 .18			.03 .17		
h.	Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.)	First-year Senior	0.02 0.20	0.00 0.71	0.03 0.37	0.04 0.21	0.03 0.25	0.00 0.31	.02 .31	.01 .29			.01 .29		

 $<sup>^</sup>a$  Weighted by gender, enrollment status, and institutional size.  $^b*p{<}.05\ ^{**}p{<}.01\ ^{***}p{<}.001\ (2{\text{-tailed}}).$ 

<sup>&</sup>lt;sup>c</sup> Mean difference divided by comparison group standard deviation.

											L	J of A com	pared with	:	
					College	Means			U of A	Be	enchma	ark	Carr	egie P	
		Level	AFLS	ARCH	ARSC	EDHP	ENGR	wсов	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
8. (	Quality of Relationships  Mark the box that best represents the quality of your relationships with people at your institution.			1=	unfriendl	y, unsupp	ortive, se	nse of alie	enation to 7=frie	endly, supp	portive,	sense of l	belonging		
a	a. Relationships with other students	First-year Senior	5.30 5.86	5.87 6.43	5.43 5.41	5.75 5.88	5.46 5.64	5.54 5.65	5.46 5.59	5.52 5.54			5.46 5.54		
					1=u	ınavailable	e, unhelpt	ul, unsym <sub>l</sub>	pathetic to 7=a	vailable, h	elpful, s	sympathet	ic		
b	o. Relationships with faculty members	First-year Senior	5.26 5.56	5.67 6.00	4.94 5.24	4.89 5.35	4.71 5.19	5.04 5.21	4.94 5.26	4.96 5.14	*	.09	4.99 5.20		
	,					1=unhei	lpful. inco	nsiderate.	rigid to 7=help	ful. consid	lerate. f	lexible			
c	Relationships with administrative personnel and	First-year	4.54	4.80	4.06	4.46	4.22	4.57	4.23	4.49	***	17	4.45	***	14
	offices	Senior	4.98	5.71	3.97	4.37	4.58	4.38	4.29	4.37			4.37		
9. 1	Time Usage  About how many hours do you spend in a typical 7-day week doing each of the following?  Proporting for close (studying reading writing doing)														
а	Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing,	First-year	3.47	5.80	3.78	3.84	4.42	3.77	3.89	4.26	***	23	4.16	***	17
	and other academic activities)	Senior	3.51	5.71	3.86	3.92	4.64	3.51	3.91	4.27		20	4.18		15
t	o. Working for pay <b>on campus</b>	First-year Senior	1.66 2.15	1.73 2.57	1.55 2.03	1.46 1.67	1.73 2.09	1.45 1.61	1.57 1.91	1.47 1.97			1.50 1.92		
c	:. Working for pay <b>off campus</b>	First-year	2.34	2.20	2.24	2.63	1.86	2.29	2.25	1.68	***	.36	2.10		
		Senior	3.29	3.14	3.20	3.89	3.46	4.64	3.64	2.86	***	.32	3.36	*	.10
c	Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or	First-year	2.08	2.20	2.47	2.57	2.07	2.59	2.40	2.39			2.25	*	.10
	intramural sports, etc.)	Senior	2.09	1.86	2.14	2.06	2.20	2.33	2.15	2.29	*	09	2.12		
e	Relaxing and socializing (watching TV,	First-year	3.40	3.20	3.96	3.57	3.77	3.84	3.84	4.02	**	11	3.93		
	partying, etc.)	Senior	3.87	3.29	3.70	3.50	3.64	3.51	3.67	3.73			3.58		
f	Providing care for dependents living with you (parents, children, spouse, etc.)	First-year	1.40	1.47	1.35	1.66	1.39	1.61	1.44	1.25	***	.22	1.45		
	(parents, ornitren, spouse, etc.)	Senior	1.87	1.57	1.92	3.08	1.93	1.79	2.06	1.64	***	.26	2.03		
c	Commuting to class (driving, walking, etc.)	First-year	2.26	2.40	2.20	2.13	2.00	2.20	2.17	2.25	*	09	2.30	***	13
	Commuting to class (driving, walking, etc.)	Senior	2.35	2.14	2.30	2.42	2.35	2.35	2.34	2.31			2.39		

 $<sup>^</sup>a$  Weighted by gender, enrollment status, and institutional size.  $^b*p{<}.05\ ^{**}p{<}.01\ ^{***}p{<}.001\ (2{\text{-tailed}}).$ 

<sup>&</sup>lt;sup>c</sup> Mean difference divided by comparison group standard deviation.

		_									ι	of A com	pared with		
					College	Means			U of A	Be	enchma	ark	Carn	egie P	ers
		Level	AFLS	ARCH	ARSC	EDHP	ENGR	wсов	<i>Mean</i> <sup>a</sup>	Meana	Sig b	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size c
10. <b>I</b> r	stitutional Environment														
	To what extent does your institution emphasize each following?	of the					1=very lit	tle, 2=son	ne, 3=quite a bi	it, 4=very i	much				
a.	Spending significant amounts of time studying and	First-year	2.92	3.00	2.92	3.02	3.22	3.03	2.99	3.10	***	14	3.08	**	11
a.	on academic work	Senior	3.13	3.43	2.89	3.12	2.96	2.96	2.96	3.06	**	12	3.07	**	14
	Providing the support you need to help you succeed	First-year	2.98	3.13	2.88	3.13	3.00	2.94	2.94	2.98			2.95		
b.	academically	Senior	2.85	3.29	2.66	2.99	2.81	2.81	2.77	2.76			2.77		
	Encouraging contact among students from different	First-year	2.62	2.60	2.59	2.80	2.58	2.64	2.61	2.57			2.55		
C.	economic, social, and racial or ethnic backgrounds	Senior	2.27	2.86	2.28	2.53	2.23	2.34	2.32	2.31			2.33		
	Helping you cope with your non-academic	First-year	2.09	2.40	1.98	2.16	1.84	2.08	2.00	2.05			2.07		
d.	responsibilities (work, family, etc.)	Senior	1.76	1.57	1.72	2.03	1.72	1.87	1.79	1.77			1.83		
	Providing the support you need to thrive socially	First-year	2.45	2.33	2.36	2.56	2.08	2.49	2.36	2.40			2.37		
e.	Providing the support you need to thrive socially	Senior	2.20	2.00	2.12	2.23	2.11	2.21	2.15	2.13			2.12		
f.	Attending campus events and activities (special speakers, cultural performances, athletic	First-year	2.77	2.87	2.90	2.78	2.64	2.88	2.82	2.86			2.80		
	events, etc.)	Senior	2.75	3.43	2.68	2.52	2.60	2.72	2.65	2.68			2.61		
~	Using computers in academic work	First-year	3.28	3.07	3.29	3.25	3.16	3.48	3.29	3.44	***	21	3.39	**	13
g.	Using computers in academic work	Senior	3.53	3.71	3.43	3.57	3.54	3.60	3.50	3.55			3.50		
11. E	ducational and Personal Growth														
	To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?						1=very lit	tle, 2=son	ne, 3=quite a bi	it, 4=very I	much				
a.	Acquiring a broad general education	First-year	3.02	3.00	3.07	3.26	2.85	3.14	3.05	3.14	**	13	3.12	*	09
۵.	, toquilling a broad gorrorar oddodiion	Senior	3.22	3.14	3.22	3.26	2.96	3.16	3.17	3.21			3.21		
b.	Acquiring job or work-related knowledge	First-year	2.94	2.87	2.45	2.94	2.73	2.98	2.67	2.70			2.68		
Б.	and skills	Senior	3.09	3.14	2.67	3.25	2.99	3.01	2.90	2.97			2.98	*	09
c.	Writing clearly and effectively	First-year	2.81	2.73	2.83	3.09	2.35	3.01	2.80	2.88	*	09	2.87	*	09
C.	g doding and discourding	Senior	2.98	3.00	2.97	3.01	2.67	2.77	2.89	3.01	**	13	3.01	**	14
ч	Speaking clearly and effectively	First-year	2.89	2.47	2.60	3.04	2.10	3.05	2.65	2.61			2.63		
u.	Specially did discoursely	Senior	3.00	3.29	2.84	2.96	2.58	2.91	2.85	2.85			2.86		

 $<sup>^</sup>a$  Weighted by gender, enrollment status, and institutional size.  $^b*p{<}.05\ ^{**}p{<}.01\ ^{***}p{<}.001\ (2{\text{-tailed}}).$ 

<sup>&</sup>lt;sup>c</sup> Mean difference divided by comparison group standard deviation.

Educational and Personal Growth (continued)   First-year   2.06   2.07   2.07   3.06   3.07		College Means U of A Benc								U of A compared with:					
Level   AFLS   ARCH   ARSC   EMPH   ENGR   WCOB   Mean*   Mean*   Sig*   Size*   Mean*					College	Means			U of A	Ве	enchma	ırk	Carn	egie P	eers
To what extent has your experience at this institution contributed to your knowledge, skills, and parsonal development in the following areas?		Level	AFLS	ARCH	ARSC	EDHP	ENGR	wсов	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>		Mean <sup>a</sup>	Sig <sup>b</sup>	
Contributed to your knowledge, skills, and personal development in the following areas?   Senior   3.70   3.45   3.27   3.04   3.22   3.08   3.16   3.09   3.19   ** -1.13   3.16   ** -0.09	11. Educational and Personal Growth (continued)														
Senior   320   348   321   3.35   3.42   3.13   3.25   3.33   3.21   3.35   3.42   3.13   3.25   3.33   3.21   3.32   3.25   3.33   3.21   3.32   3.25   3.33   3.25   3.33   3.25   3.33   3.25   3.33   3.25   3.32   3.26   3	contributed to your knowledge, skills, and personal	1					1=very li	ttle, 2=som	ne, 3=quite a bi	it, 4=very i	much				
Senior   320   3.43   3.21   3.35   3.42   3.13   3.25   3.33   * -11   3.32   * -09	Thinking critically and analytically	First-year	3.15	3.27	3.04	3.22	3.08	3.16	3.09	3.19	**	13	3.16	*	09
Senior   2.95   2.86   2.83   3.06   3.46   3.03   3.01   3.04	e. Thirking chically and analytically	Senior	3.20	3.43	3.21	3.35	3.42	3.13	3.25	3.33	*	11	3.32	*	09
g. Using computing and information technology  First-year Solior 2.95 2.86 2.83 3.06 3.46 3.03 2.98 3.08 **11 3.04 3.04    First-year Solior 3.13 3.14 2.92 3.29 3.29 3.51 3.44 3.17 3.24 3.23 3.29    First-year 2.96 2.40 2.79 3.04 2.56 3.19 2.83 2.90 2.88 3.10 3.10 3.10 3.08    First-year 2.92 2.07 1.96 2.13 1.68 2.11 1.98 1.96 1.93    Learning effectively on your own    First-year 2.72 2.87 2.75 3.07 2.67 2.89 2.90 2.99 1.99 2.99    Learning effectively on your own    First-year 2.72 2.87 2.75 3.07 2.67 2.89 2.90 2.99 1.299    Learning effectively on your own    First-year 2.72 2.87 2.75 3.07 2.67 2.89 2.90 2.99 1.299    Learning effectively on your own    First-year 2.72 2.87 2.75 3.07 2.67 2.89 2.90 2.99 2.99 2.99    Learning effectively on your own    First-year 2.72 2.87 2.75 3.07 2.67 2.89 2.90 2.99 2.99 2.99 2.99    Learning effectively on your own    First-year 2.72 2.87 2.75 3.07 2.67 2.89 2.90 2.90 2.99 2.99 2.99    Ludderstanding yourself	Analyzing guantitative problems	First-year	2.94	3.00	2.64	2.98	3.14	3.00	2.84	2.94	**	11	2.89		
9. Using computing and information technology	. Analyzing quantitative problems	Senior	2.95	2.86	2.83	3.06	3.46	3.03	3.01	3.04			3.04		
Senior   S	. Heine committee and information technology	First-year	3.04	2.47	2.85	3.15	2.88	3.46	2.98	3.08	**	11	3.03		İ
Norking effectively with others   Sanior   3.16   3.29   2.85   3.41   3.19   3.35   3.10   3.10   3.08	g. Using computing and information technology	Senior	3.13	3.14	2.92	3.29	3.51	3.44	3.17	3.24			3.23		
Senior   3.16   3.29   2.85   3.41   3.19   3.35   3.10   3.10   3.08	Washing off ather with athers	First-year	2.96	2.40	2.79	3.04	2.56	3.19	2.83	2.90			2.88		
Voting in local, state, or national elections   Senior   2.13   2.00   2.21   2.03   1.73   2.14   2.10   2.17   2.10	n. vvorking effectively with others	Senior	3.16	3.29	2.85	3.41	3.19	3.35	3.10	3.10			3.08		
Senior   2.13   2.00   2.21   2.03   1.73   2.14   2.10   2.17   2.10	. Mating in least state as attinged abouting	First-year	2.02	2.07	1.96	2.13	1.68	2.11	1.98	1.96			1.93		
Learning effectively on your own   Senior   2.76   3.29   2.87   3.13   2.89   2.90   2.92   2.99   2.90	i. Voting in local, state, or national elections	Senior	2.13	2.00	2.21	2.03	1.73	2.14	2.10	2.17			2.10		
Senior   2.76   3.29   2.87   3.13   2.89   2.90   2.92   2.99   2.99   2.99   2.99   2.99   2.99   2.99   2.99   2.99   2.99   2.99   2.99   2.99   2.99   2.99   2.99   2.90	i lagraine affectively on your com-	First-year	2.72	2.87	2.75	3.07	2.67	2.89	2.78	2.90	**	13	2.87	*	10
Senior   2.62   3.29   2.74   3.00   2.48   2.65   2.72   2.74   2.73	J. Learning effectively on your own	Senior	2.76	3.29	2.87	3.13	2.89	2.90	2.92	2.99			2.99		
Senior   2.62   3.29   2.74   3.00   2.48   2.65   2.72   2.74   2.73	L. Lladaratandia a va va alf	First-year	2.42	2.53	2.61	2.93	2.25	2.80	2.60	2.69	*	09	2.68	*	08
Senior   2.24   1.86   2.55   2.70   2.20   2.48   2.47   2.50   2.53   2.53   2.47   2.50   2.58	k. Onderstanding yoursell	Senior	2.62	3.29	2.74	3.00	2.48	2.65	2.72	2.74			2.73		
m. Solving complex real-world problems  First-year 2.49 2.53 2.43 2.74 2.61 2.71 2.65 2.60 2.58  Senior 2.44 2.86 2.49 2.81 3.01 2.75 2.67 2.73 2.73  n. Developing a personal code of values and ethics  First-year 2.42 2.40 2.38 2.67 2.22 2.80 2.47 2.55 2.60 2.55 **10  Senior 2.36 3.29 2.37 2.69 2.31 2.69 2.47 2.55 2.61 **13  o. Contributing to the welfare of your community  First-year 2.47 2.60 2.23 2.54 2.11 2.53 2.32 2.32 2.33  Senior 2.25 2.71 2.24 2.62 2.07 2.43  First-year 3.98 2.13 2.05 2.22 1.82 2.26  Developing a deepened sense of spirituality  First-year 1.98 2.13 2.05 2.22 1.82 2.26  Developing a deepened sense of spirituality	Understanding people of other racial and ethnic	First-year	2.51	2.47	2.58	2.80	2.22	2.67	2.54	2.55			2.56		İ
m. Solving complex real-world problems  Senior 2.44 2.86 2.49 2.81 3.01 2.75  Developing a personal code of values and ethics  First-year 2.42 2.40 2.38 2.67 2.22 2.80 Senior 2.36 3.29 2.37 2.69 2.31 2.69  Contributing to the welfare of your community  First-year 2.47 2.60 2.23 2.54 2.11 2.53 Senior 2.25 2.71 2.24 2.62 2.07 2.43  Developing a deepened sense of spirituality  First-year 1.98 2.13 2.05 2.22 1.82 2.26  Developing a deepened sense of spirituality  Senior 2.44 2.86 2.49 2.81 3.01 2.75  2.67 2.73 2.73  2.73  2.69 2.45 2.52 2.55 **10  2.47 2.55 2.61 **13  2.80 2.47 2.55 2.61 **13  2.80 2.47 2.55 2.61 **13  2.80 2.47 2.55 2.61 **13	backgrounds	Senior	2.24	1.86	2.55	2.70	2.20	2.48	2.47	2.50			2.53		
Senior   2.44   2.86   2.49   2.81   3.01   2.75   2.67   2.73   2.73	Cabing appropriate real would problem	First-year	2.49	2.53	2.43	2.74	2.61	2.71	2.55	2.60			2.58		İ
n. Developing a personal code of values and ethics  Senior 2.36 3.29 2.37 2.69 2.31 2.69 2.47 2.55 2.61 **13  o. Contributing to the welfare of your community  First-year 2.47 2.60 2.23 2.54 2.11 2.53 2.32 2.32 2.32 2.33  Senior 2.25 2.71 2.24 2.62 2.07 2.43 2.31 2.37 2.39  First-year 1.98 2.13 2.05 2.22 1.82 2.26 2.07 1.91 *** 1.5 1.98	m. Solving complex real-world problems	Senior	2.44	2.86	2.49	2.81	3.01	2.75	2.67	2.73			2.73		
Senior 2.36 3.29 2.37 2.69 2.31 2.69 2.47 2.55 2.61 **13  o. Contributing to the welfare of your community  First-year 2.47 2.60 2.23 2.54 2.11 2.53 2.32 2.32 2.33  Senior 2.25 2.71 2.24 2.62 2.07 2.43 2.31 2.37 2.39  First-year 1.98 2.13 2.05 2.22 1.82 2.26 2.07 1.91 *** 1.5 1.98	Developing a paragral code of values and othics	First-year	2.42	2.40	2.38	2.67	2.22	2.80	2.45	2.52			2.55	**	10
o. Contributing to the welfare of your community  Senior 2.25 2.71 2.24 2.62 2.07 2.43 2.31 2.37 2.39  P. Developing a deepened sense of spirituality  First-year 1.98 2.13 2.05 2.22 1.82 2.26 2.07 1.91 *** .15 1.98	n. Developing a personal code of values and ethics	Senior	2.36	3.29	2.37	2.69	2.31	2.69	2.47	2.55			2.61	**	13
Senior 2.25 2.71 2.24 2.62 2.07 2.43 2.31 2.37 2.39  p. Developing a deepened sense of spirituality  First-year 1.98 2.13 2.05 2.22 1.82 2.26 2.07 1.91 *** .15 1.98	Contributing to the welfers of your community	First-year	2.47	2.60	2.23	2.54	2.11	2.53	2.32	2.32			2.33		
p. Developing a deepened sense of spirituality	Continuuting to the wellare of your community	Senior	2.25	2.71	2.24	2.62	2.07	2.43	2.31	2.37			2.39		
p. Developing a deepened sense of spirituality  Senior 1.65 1.57 1.87 1.91 1.80 1.88 1.85 1.74 * .11 1.86	Developing a deepen deepen of only to the	First-year	1.98	2.13	2.05	2.22	1.82	2.26	2.07	1.91	***	.15	1.98		
	p. Developing a deepened sense of spirituality	Senior	1.65	1.57	1.87	1.91	1.80	1.88	1.85	1.74	*	.11	1.86		

 $<sup>^</sup>a$  Weighted by gender, enrollment status, and institutional size.  $^b*p{<}.05\ ^{**}p{<}.01\ ^{***}p{<}.001\ (2{\text{-tailed}}).$ 

<sup>&</sup>lt;sup>c</sup> Mean difference divided by comparison group standard deviation.

										L	J of A com	pared with	ı:	
				College	Means			U of A	Be	enchma	ark	Carr	negie P	eers
	Level	AFLS	ARCH	ARSC	EDHP	ENGR	wсов	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
12. Academic Advising						1=	poor, 2=fa	nir, 3=good, 4=e	excellent					
Overall, how would you evaluate the quality of academic advising you have received at your	First-year	3.09	3.60	2.85	2.98	2.68	2.81	2.86	2.91			2.90		
institution?	Senior	3.16	3.57	2.58	2.76	2.81	2.53	2.68	2.72			2.73		
13. Satisfaction						1=	poor, 2=fa	nir, 3=good, 4=e	excellent					
How would you evaluate your entire educational	First-year	3.09	3.13	3.05	3.40	3.04	3.14	3.09	3.22	***	19	3.18	**	12
experience at this institution?	Senior	3.18	3.29	3.01	3.14	3.11	3.05	3.06	3.21	***	20	3.17	***	15
14.					1=defir	nitely no, 2	2=probably	v no, 3=probab	ly yes, 4=	definite	ly yes			
If you could start over again, would you go to the	First-year	3.19	3.47	3.08	3.47	3.24	3.25	3.18	3.34	***	20	3.25	*	10
same institution you are now attending?	Senior	3.25	3.43	3.06	3.27	3.36	3.22	3.18	3.28	**	12	3.20		

 $<sup>^{\</sup>rm a}$  Weighted by gender, enrollment status, and institutional size.  $^{\rm b}$  \* p<.05  $\,$  \*\*\* p<.01  $\,$  \*\*\*\* p<.001 (2-tailed).

<sup>&</sup>lt;sup>c</sup> Mean difference divided by comparison group standard deviation.