NSSE 2017 Statistical Comparisons

Clayton State University

a. A c b. F c. C	tem wording			C1				Clayte	on State	stude	ents	compare	d with			
a. A c b. F c. C	ě.	** * * * * * * * * * * * * * * * * * * *														
a. A c b. F c. C	ě.			Clayton State	USG			or Peer	GA S			ersities	NSSE 2016 &			
a. A c b. F c. C		Variable c	G 1	3.6	.,	Sign		Effect . e		-	-	Effect		-	-	Effect
a. A c b. F c c. C	or description puring the current school year, about	name c	Student Type	Mean	Mean	ar	ıt	size ^e	Mean	ar	ıt	size ^e	Mean	ar	ıt	size ^e
b. F c. C	Asked questions or contributed to	askquest	First Year Students	2.7	2.8	1		06	2.9			13	2.8			10
b. F c. C	course discussions in other ways	askquest	Seniors	3.2	3.1			.06	3.2			.01	3.1			.09
c. C	Prepared two or more drafts of a	drafts	First Year Students	2.5	2.5			.02	2.6			02	2.5			.05
	paper or assignment before turning it		Seniors	2.8	2.5	***	Δ	.27	2.5	***	A	.30	2.4	***	A	.36
n	Come to class without completing	unpreparedr	First Year Students	2.9	3.0			12	3.0			15	3.0			15
	readings or assignments	(Reverse-coded version of unprepared created by NSSE.)	Seniors	3.1	3.0			.10	3.0			.09	3.0			.12
d. A	Attended an art exhibit, play, or other	attendart	First Year Students	1.7	2.0		▼	34	1.9	*	∇	23	1.9	*	∇	23
a	arts performance (dance, music, etc.)		Seniors	1.6	1.8	**	∇	18	1.7			11	1.8	**	∇	18
	Asked another student to help you	CLaskhelp	First Year Students	2.5	2.7	*	∇	21	2.6			16	2.6			11
_	inderstand course material		Seniors	2.3	2.5	***	▽	28	2.5	***	▽	26	2.4	**	▽	19
	Explained course material to one or	CLexplain	First Year Students	2.6	2.8	***	▽	17	2.7	***	_	12	2.7	4	_	06
_	nore students Prepared for exams by discussing or	CLstudy	Seniors First Year Students	2.6 2.5	2.8			25 14	2.8	***	▽	23 06	2.7	~	▽	14 03
	working through course material with	CLStudy	Seniors	2.5	2.6			11	2.5			08	2.5			.00
_	Worked with other students on course	CLproject	First Year Students	2.6	2.7			14	2.7			12	2.6			06
p	projects or assignments	1 3	Seniors	2.8	2.9			12	2.8			04	2.8			05
i. C	Given a course presentation	present	First Year Students	2.2	2.3			06	2.3			07	2.3			05
			Seniors	2.5	2.7	**	∇	19	2.8	***	∇	27	2.7	**	∇	17
	uring the current school year, about	•						1.				0.7				0.5
	Combined ideas from different courses when completing assignments	RIintegrate	First Year Students	2.5 2.8	2.7 3.0	ų.	▽	16	2.5	<u> </u>	-	.05	2.6			06
	Connected your learning to societal	RIsocietal	Seniors First Year Students	2.5	2.6			17 13	2.9 2.5			08 03	2.9			10 07
	problems or issues	Kisocietai	Seniors	2.8	2.8			08	2.8			03	2.8			07
_	included diverse perspectives	RIdiverse	First Year Students	2.6	2.6			01	2.6			.03	2.6			.05
	political, religious, racial/ethnic,		Seniors	2.7	2.6			.04	2.7			02	2.6			.05
	Examined the strengths and	RIownview	First Year Students	2.7	2.8			07	2.8			06	2.8			03
	weaknesses of your own views on a		Seniors	2.9	2.9			.06	2.9			.05	2.8			.08
	Γried to better understand someone	RIperspect	First Year Students	2.9	2.9			03	2.9			01	2.9			02
	else's views by imagining how an	DI :	Seniors	3.1	3.0	*	Δ	.17	3.0	*	Δ		3.0	**	Δ	.21
	Learned something that changed the way you understand an issue or	RInewview	First Year Students	2.9 3.0	2.9 3.0			.00	2.8 3.0			.05	2.8			.05
_	Connected ideas from your courses to	RIconnect	Seniors First Year Students	3.0	3.0			07	3.0			.00	3.0			06
	your prior experiences and knowledge	Reconnect	Seniors	3.3	3.2			.03	3.2			.09	3.2			.09
3. During the current school year, about how often have you done the following?																
a. T	Talked about career plans with a	SFcareer	First Year Students	2.2	2.4			20	2.3			10	2.2			02
_	aculty member		Seniors	2.4	2.5			08	2.6			13	2.4			.03
	Worked with a faculty member on	SFotherwork	First Year Students	1.8	1.9		_	13	1.9			08	1.8		_	.01
_	activities other than coursework	OE II	Seniors	1.8	2.0	**	∇	21	2.1	***	▼	31	1.9	*	∇	14
	Discussed course topics, ideas, or concepts with a faculty member	SFdiscuss	First Year Students Seniors	1.9 2.0	2.1	***	∇	18 29	2.1	***	▼	15 33	2.0	**	∇	08 20
_		SFperform	First Year Students	2.1	2.3		–	19	2.3		–	18	2.1		<u> </u>	02
	with a faculty member	or perioriii	Seniors	2.2	2.3	*	∇	14	2.4	***	∇	24	2.2			02
4. D	uring the current school year, how i	nuch has your coursework en	phasized the followir	ıg?					•	•						
a. N	Memorizing course material	memorize	First Year Students	2.9	2.9			05	3.0			13	2.9			03
_			Seniors	2.9	2.8	*	Δ	.15	2.8			.11	2.7	***	Δ	.24
	Applying facts, theories, or methods	HOapply	First Year Students	2.9	2.9			.01	2.9			.05	2.9			01
	o practical problems or new	HOanalyze	Seniors First Year Students	3.1	3.1 2.9			.01	3.1 2.9		<u> </u>	.05	3.1 2.9		_	.06
	Analyzing an idea, experience, or line of reasoning in depth by examining its	11Oanaryze	Seniors	3.1	3.1			.08	3.1	 	 	.09	3.0		\vdash	.10
	Evaluating a point of view, decision,	HOevaluate	First Year Students	3.0	2.9			.15	2.9			.08	2.9			.15
	or information source		Seniors	3.0	2.9			.12	3.0			.06	2.9	*	Δ	.13
	Forming a new idea or understanding	HOform	First Year Students	2.9	2.9			.07	2.9			.03	2.9			.07
	rom various pieces of information		Seniors	3.0	3.0			.01	3.0	<u> </u>	<u> </u>	.01	2.9		<u> </u>	.07
	uring the current school year, to wh				2 1	454		22	2.0	45		20	2.1			21
	Clearly explained course goals and requirements	ETgoals	First Year Students	3.2	3.1	*	Δ	.09	3.0	*	Δ	.26	3.1			.09
	Faught course sessions in an	ETorganize	Seniors First Year Students	3.2	2.9	**	•	.36	3.0	**	•	.33	3.0	*	Δ	.09
	organized way	0	Seniors	3.1	3.1		Î	.09	3.1		T	.10	3.1		É	.07
	Used examples or illustrations to	ETexample	First Year Students	3.2	3.0			.21	3.0	*	Δ	.24	3.0			.17
	explain difficult points		Seniors	3.2	3.1			.11	3.1			.10	3.1			.10
	Provided feedback on a draft or work	ETdraftfb	First Year Students	3.0	2.8	*	Δ	.28	2.8			.21	2.8	*	Δ	.24
	n progress	ETC. II. I	Seniors	2.9	2.8			.14	2.8		1	.10	2.8	*	Δ	.13
	Provided prompt and detailed	ETfeedback	First Year Students Seniors	2.9	2.7			.25	2.8 2.8	-	-	.17	2.7		 	.02
	reedback on tests or completed uring the current school year, about	how often have you done the		4.8	2.8	<u> </u>	<u> </u>	.00	2.8	l	<u> </u>	.00	2.8		<u> </u>	.02
	Reached conclusions based on your	QRconclude	First Year Students													
	own analysis of numerical information			2.5	2.6			09	2.6			09	2.6			04
(1	numbers, graphs, statistics, etc.)		Seniors				_								_	
				2.5	2.7	***	▽	24	2.6			13	2.6	**	▽	18
. 1-	Used numerical information to	QRproblem	First Year Students					17				00	2.0			0.4
	examine a real-world problem or issue			2.2	2.4		<u> </u>	17	2.3	l	<u> </u>	08	2.3		<u> </u>	04

1 1	(unemployment, climate change,	l [Seniors												$\overline{}$	
	public health, etc.)			2.4	2.5			14	2.4			02	2.4			05
c.	Evaluated what others have concluded from numerical information	QRevaluate	First Year Students	2.2	2.4			20	2.3			11	2.3			09
	from numerical information		Seniors	2.2	2.5	***	∇	28	2.4	*	∇	15	2.4	**	∇	19
7. I	During the current school year, abou	t how many papers, reports, o	r other writing tasks				ve y			d? (Ir	ıclu			com	plet	
a.	Up to 5 pages	wrshortnum (Recoded version of wrshort created by	First Year Students			de de de	•				∇		,	***	•	2.4
		NSSE. Values are estimated number of papers, reports, etc.)	Seniors	4.6	6.4	***		33	6.0	**		27	6.6	***	\vdash	36
		papers, reports, etc.)		5.9	7.3	**	▽	22	6.4			09	7.7	***	▽	27
b.	Between 6 and 10 pages	wrmednum (Recoded version of wrmed created by	First Year Students	1.7	2.3			18	2.0			09	2.2			15
		NSSE. Values are estimated number of papers, reports, etc.)	Seniors	1./	2.3		_	10	2.0			09	2.2			13
				2.9	3.5	*	▽	15	2.9			01	3.6	*	▽	16
c.	11 pages or more	wrlongnum (Recoded version of wrlong created by	First Year Students	.8	.9			05	1.0			07	.9			05
		NSSE. Values are estimated number of papers, reports, etc.)	Seniors	.0				.05	1.0			.07	.,			.05
	Editor I and a feet and a second		E' - V - C - L	1.6	2.0			10	1.5			.04	1.9		<u> </u>	09
	Estimated number of assigned pages of student writing.	wrpages (Continuous variable, recoded and summed	First Year Students	37.1	50.0			20	47.7			15	50.3			19
		by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned	Seniors						.,,,,						∇	,
0 1	During the current school year, abou	writing.)	ussions with noonlo fr	65.0	78.0			14	64.3			.01	80.0	*	Ľ	16
	People of a race or ethnicity other	DDrace	First Year Students	3.3	3.0		•	.32	2.9	***	A	.40	3.0	*	Δ	.25
	than your own		Seniors	3.2	3.0		Δ	.21	3.1			.10	3.1			.09
b.	People from an economic background other than your own	DDeconomic	First Year Students Seniors	3.0	3.0		-	.01	2.9			.13	3.0		\vdash	01 .00
c.	People with religious beliefs other	DDreligion	First Year Students	2.8	2.9			11	2.8			.04	2.9			09
-	than your own	DD - PC - I	Seniors	3.0 2.9	3.0			.02	2.9			.06	3.0		₽	01 02
a.	People with political views other than your own	DDpolitical	First Year Students Seniors	2.9	2.9			03	2.9 3.0			09	3.0		_	02
	During the current school year, abou							ı				ı			_	
a.	Identified key information from reading assignments	LSreading	First Year Students Seniors	3.1	3.0		•	.13	3.1	**	Δ	.09	3.0	***	Δ	.11
b.	Reviewed your notes after class	LSnotes	First Year Students	3.0	2.9			.18	3.0		Δ	.03	2.9			.17
	0 111 111	1.0	Seniors	3.2	2.9		A	.33	3.0	**	Δ	.22	2.8	***	A	.39
c.	Summarized what you learned in class or from course materials	LSsummary	First Year Students Seniors	2.9	2.8		_	.14	2.9		_	.03	2.8			.13
10	During the current school year, to w	that autont have your courses		3.1	2.9	***	Δ	.27	3.0	**	Δ	.21	2.8	***	_	.34
10.	buring the current school year, to w	challenge	First Year Students		5.3			02	5.4			04	5.4		Π	06
			Seniors	5.4			Δ	.03	5.4		Δ		5.4		A	06
11	Which of the following have you do	no on do vou plon to do hoforo	von anaduata2f	6.0	5.6	***		.28	5.6	***		.27	5.6	***		.30
-	Participate in an internship, co-op,	intern	First Year Students	_												
	field experience, student teaching, or	(Means indicate the percentage who responded "Done or in progress.")	Seniors	.0	9%		_	21	7%			11	8%			16
h	clinical placement Hold a formal leadership role in a	leader	First Year Students	.4	47%	*	▽	16	43%			08	49%	**	▽	20
υ.	student organization or group	(Means indicate the percentage who		.0	13%	*	•	32	9%			21	11%		<u> </u>	27
		responded "Done or in progress.")	Seniors	.2	34%	***	•	31	36%	***	▼	35	35%	***	▼	34
c.	Participate in a learning community or some other formal program where	learncom (Means indicate the percentage who	First Year Students	.1	18%	*	▼	33	9%			07	14%			22
	groups of students take two or more	responded "Done or in progress.")	Seniors	.2	25%			03	29%			10	23%			.02
d.	Participate in a study abroad program	abroad	First Year Students	.0	3%			.00	2%			.03	3%			02
Ļ	Work with a faculty mar-1	(Means indicate the percentage who	Seniors First Year Students	.0	10%	*	∇	19 06	12% 5%	**	∇	25 02	14% 5%	***	∇	30 02
	Work with a faculty member on a research project	research (Means indicate the percentage who	Seniors	.0	6% 25%	**	∇	06	25%	**	∇	02	23%	**	∇	
f.	Complete a culminating senior	capstone (Means indicate the percentage who	First Year Students	.0	3%		_	.07	3%			.09	2%			.12
12.	experience (capstone course, senior About how many of your courses at	L L ((D)	Seniors a community-based n	.4 project (service	51% e-learni	ng)?	∇	16	44%			02	45%		Щ	04
		servcourse	First Year Students	1.7	1.6			.11	1.7			.09	1.6			.13
12	Indicate the quality of your interact	ione with the following nearly	Seniors of your institution	1.9	1.8	<u> </u>		.11	1.8			.03	1.7	*	Щ	.15
	Students	QIstudent	First Year Students	5.3	5.4		L	02	5.2			.09	5.4			04
Ļ		OL 1	Seniors	5.6	5.6			.01	5.5			.07	5.6			.04
b.	Academic advisors	QIadvisor	First Year Students Seniors	5.3 5.3	5.3 5.2			.00	5.1 5.2			.10	5.2 5.2		\vdash	.04
c.	Faculty	QIfaculty	First Year Students	5.6	5.2	*	A	.31	5.1	**	A	.33	5.3	*	Δ	.24
d.	Student services staff (career services,	QIstaff	Seniors First Year Students	5.6	5.5			.13	5.5			.12	5.5		\vdash	.10
u.	student activities, housing, etc.)	Ammi		5.0	5.0	<u> </u>		.02	4.9			.06	5.0		L	.02
			Seniors	5.0	4.9			.04	5.0			02	4.9		L	.04
e.	Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	First Year Students Seniors	4.9 5.2	4.9 4.8		Δ	.02	4.8 4.8	**	Δ	.06	5.0 4.9	**	Δ	04 .19
14.	How much does your institution em	phasize the following?	Semors	5.2	4.8			.22	4.8			.23	4.9			.19
a.	Spending significant amounts of time	empstudy	First Year Students	2.9	3.1	*	V	25	3.0	Ja 4-		14	3.1	*	V	29
b.	studying and on academic work Providing support to help students	SEacademic	Seniors First Year Students	3.3 2.9	3.2	*	Δ	.16 19	3.1 2.9	**	Δ	.25 02	3.1	**	Δ	.20 17
	succeed academically		Seniors	3.2	3.0	**	Δ	.23	2.9	***	Δ	.28	2.9	***	Δ	.26
	-														-	

c.	TT:	GP1	E' V C. 1	2.0	2.1			16	2.1			10	2.1	1		10
٠.	Using learning support services (tutoring services, writing center, etc.)	SElearnsup	First Year Students Seniors	3.0	3.1 2.9	***	Δ	16 .27	3.1 2.9	***	Δ	10 .29	3.1 2.8	***	•	12 .32
d.	Encouraging contact among students	SEdiverse	First Year Students	2.7	2.8		_	06	2.6			.09	2.8		-	05
	from different backgrounds (social,		Seniors	2.8	2.6	*	Δ	.17	2.6			.13	2.6	*	Δ	.15
e.	Providing opportunities to be involved	SEsocial	First Year Students	2.8	3.0			25	2.9			12	3.0			21
	socially		Seniors	3.0	2.8	*	Δ	.16	2.9			.12	2.8	*	Δ	.17
f.	Providing support for your overall	SEwellness	First Year Students	2.9	3.0			12	2.9			.05	2.9	4	_	04
σ.	well-being (recreation, health care, Helping you manage your non-	SEnonacad	Seniors First Year Students	2.9	2.8			.08 19	2.8			.13 04	2.7	*	Δ	.16 09
g.	academic responsibilities (work,	SEllollacad	Seniors	2.3	2.3			19	2.3			04	2.4			09
	family, etc.)		Semois	2.3	2.1			.15	2.1	*	Δ	.17	2.1	*	Δ	.17
h.	Attending campus activities and	SEactivities	First Year Students	2.6	2.9	*		33	2.8			21	2.8			22
	events (performing arts, athletic		Seniors													
	events, etc.)			2.7	2.6			.09	2.6			.10	2.6			.12
i.	Attending events that address	SEevents	First Year Students	2.4	2.6			20	2.6			13	2.6			11
	important social, economic, or		Seniors								Δ				Δ	
	political issues			2.6	2.4	*	Δ	.19	2.4	*	Δ	.19	2.4	**		.25
	About how many hours do you spen															
a.	Preparing for class (studying, reading,	tmprephrs (Recoded version of tmprep created by	First Year Students												▼	
	writing, doing homework or lab work, analyzing data, rehearsing, and other	NSSE. Values are estimated number of		12.2	13.8			19	12.2			.00	14.7	*		31
	academic activities)	hours per week.)	Seniors													
	deddeline detrytics)			15.2	15.0			.02	14.3			.10	15.2			.00
b.	Participating in co-curricular activities	tmcocurrhrs	First Year Students	13.2	13.0			.02	1+.3	H		.10	13.4	<u> </u>	\vdash	.00
	(organizations, campus publications,	(Recoded version of tmcocurr created by	Jeddento	2.2		***	▼	27			▽	20		**	▼	25
	student government, fraternity or	NSSE. Values are estimated number of hours per week.)	Seniors	3.3	6.0	***		37	5.1	*		26	5.7	**	<u> </u>	35
	sorority, intercollegiate or intramural		Semors				∇				∇				▼	
	sports, etc.)			2.7	4.6	***	لــــٰـا	27	4.7	***		29	4.9	***	Ľ	31
c.	Working for pay	tmworkonhrs	First Year Students				▽									
	on campus	(Recoded version of tmworkon created by NSSE. Values are estimated number of		1.5	3.1	*	Ľ	24	2.0			08	2.4			15
		hours per week.)	Seniors	1.2	4.0	***	▼	38	3.4	***	▼	32	3.6	***	▼	34
d.	Working for pay	tmworkoffhrs	First Year Students	1,4	4.0			36	3.4			52	3.0			54
u.	off campus	(Recoded version of tmworkoff created by	That Tell Students	8.5	5.4	*	•	.31	6.9			.15	5.8	*	Δ	.27
		NSSE. Values are estimated number of hours per week.)	Seniors	0.0	3.4			.51	0.9			.13	3.0		<u> </u>	.21
			bemois	18.3	13.0	***	A	.39	13.3	***	•	.36	12.8	***	•	.42
	Estimated number of hours working	tmworkhrs	First Year Students	10.0	8.4			.14	8.8			.10	8.1			.17
	for pay	(Continuous variable created by NSSE)	Seniors	19.6	17.0	*	Δ	.19	16.8	*	Δ	.21	16.3	**	Δ	.25
e.	Doing community service or volunteer		First Year Students													
	work	(Recoded version of tmservice created by NSSE. Values are estimated number of		3.2	2.9			.06	3.3			02	2.5			.14
		hours per week.)	Seniors	4.0	3.7			.05	4.0			.01	3.2			.14
f	Relaxing and socializing (time with	tmrelaxhrs	First Year Students	10.5	12.2			20	12.0			17	12.1			19
1.	friends, video games, TV or videos,	(Recoded version of tmrelax created by	Seniors	1010	12.2		Ţ	.20	12.0		Ţ	.17	12.1		_	.17
	keeping up with friends online, etc.)	NSSE. Values are estimated number of hours per week		8.6	10.2	*	▽	19	10.0	*	▽	17	10.5	**	▽	24
g.	Providing care for dependents	tmcarehrs	First Year Students	6.7	2.9	**	A	.52	3.2	*	▲	.44	3.1	**	▲	.48
	(children, parents, etc.)	(Recoded version of tmcare created by NSSE. Values are estimated number of	Seniors	10.5	7.0	***	•		7.0	***	\blacktriangle	20		***	•	
1.	Communicate communications	hours per week.)	First Year Students	12.7 5.6	7.3	***		.44	7.9 5.0	***		.38	6.3	***	_	.57
	Commuting to campus (driving, walking, etc.)	tmcommutehrs (Recoded version of tmcommute created by	Seniors	5.0	4.4			.10	3.0			.06	3.0		-	.31
	walking, etc.)	NSSE. Values are estimated number of hours per week.)	bemois	6.8	5.5	*	Δ	.19	5.7			.15	4.8	**	▲	.32
16.	Of the time you spend preparing for		about how much is o			<u> </u>		.17	5.1			.1.	4.0			۵۷.
	· · · · · · · · · · · · · · · · · · ·	reading	First Year Students	2.7	2.7			01	2.7			02	2.8			07
			Seniors	3.4	2.8	***	•	.48	2.9	***	A	.47	2.9	***	A	.45
		tmreadinghrs	First Year Students			_										
		(Continuous variable created by NSSE. Calculated as a proportion		5.6	6.2	ĺ		11	5.7			01	6.8		1	21
		of tmprephrs based on reading, where Very little=.10; Some=.25;	Seniors	3.0	0.2			-,11	5.7	H	H	01	0.0	<u> </u>	\vdash	21
		About half=.50; Most=.75; Almost all=.90)	Schiols				•				•				•	
									7.1	***		.34	7.4	***		.32
Ļ				9.4	7.2			.33								
	How much has your experience at the			and personal	develop		t in	the follo	wing ar			1.5	2.0		1	
	How much has your experience at the Writing clearly and effectively	nis institution contributed to y	First Year Students	and personal	develop 2.8	men		the follo	wing ar 2.9		_	.15	2.8	**		.21
a.	Writing clearly and effectively	pgwrite	First Year Students Seniors	and personal 3.0 3.2	2.8 3.0	men	t in Δ	.19 .26	2.9 3.0		Δ	.22	3.0	**	Δ	.21
a.			First Year Students	and personal	develop 2.8	men		the follo	wing ar 2.9		Δ			**	Δ	
a. b.	Writing clearly and effectively	pgwrite	First Year Students Seniors First Year Students	3.0 3.2 2.8	2.8 3.0 2.7	men **		.19 .26	2.9 3.0 2.7		Δ	.22 .09	3.0 2.7	**	Δ	.21 .11
a. b.	Writing clearly and effectively Speaking clearly and effectively	pgwrite pgspeak	First Year Students Seniors First Year Students Seniors	and personal 3.0 3.2 2.8 2.9	2.8 3.0 2.7 2.9	men **		.19 .26 .09	2.9 3.0 2.7 3.0 3.0 3.0 3.3		Δ	.22 .09 03	3.0 2.7 2.9	**	Δ	.21 .11 .04
a. b.	Writing clearly and effectively Speaking clearly and effectively Thinking critically and analytically Analyzing numerical and statistical	pgwrite pgspeak	First Year Students Seniors First Year Students Seniors First Year Students Seniors First Year Students	and personal 3.0 3.2 2.8 2.9 3.1 3.3 2.6	2.8 3.0 2.7 2.9 3.0 3.3 2.7	men **		.19 .26 .09 .07 .10 .07	3.0 2.7 3.0 3.0 3.0 3.0 3.3 2.7		Δ	.22 .09 03 .09 .12 16	3.0 2.7 2.9 3.1 3.3 2.6	**	Δ	.21 .11 .04 .07 .06 09
a. b. c.	Writing clearly and effectively Speaking clearly and effectively Thinking critically and analytically Analyzing numerical and statistical information	pgwrite pgspeak pgthink pganalyze	First Year Students Seniors	and personal 3.0 3.2 2.8 2.9 3.1 3.3 2.6 2.9	2.8 3.0 2.7 2.9 3.0 3.3 2.7 2.9	men **		.19 .26 .09 .07 .10 .07 13	3.0 2.7 3.0 3.0 3.0 3.0 2.7 2.8		Δ	.22 .09 03 .09 .12 16	3.0 2.7 2.9 3.1 3.3 2.6 2.9	**	Δ	.21 .11 .04 .07 .06 09
a. b. c.	Writing clearly and effectively Speaking clearly and effectively Thinking critically and analytically Analyzing numerical and statistical information Acquiring job- or work-related	pgwrite pgspeak pgthink	First Year Students Seniors First Year Students	and personal 3.0 3.2 2.8 2.9 3.1 3.3 2.6 2.9 2.5	develoj 2.8 3.0 2.7 2.9 3.0 3.3 2.7 2.9 2.6	men **		.19 .26 .09 .07 .10 .07 13 03	2.9 3.0 2.7 3.0 3.0 3.0 2.7 2.8 2.5		Δ	.22 .09 03 .09 .12 16 .05 06	3.0 2.7 2.9 3.1 3.3 2.6 2.9 2.6	**	Δ	.21 .11 .04 .07 .06 09 .03
a. b. c. d.	Writing clearly and effectively Speaking clearly and effectively Thinking critically and analytically Analyzing numerical and statistical information Acquiring job- or work-related knowledge and skills	pgwrite pgspeak pgthink pganalyze pgwork	First Year Students Seniors First Year Students	and personal 3.0 3.2 2.8 2.9 3.1 3.3 2.6 2.9 2.5 3.0	develop 2.8 3.0 2.7 2.9 3.0 3.3 2.7 2.9 2.6 2.9	men **		the follo .19 .26 .09 .07 .10 .07 13 03 15	2.9 3.0 2.7 3.0 3.0 3.3 2.7 2.8 2.5 3.0		Δ	.22 .09 03 .09 .12 16 .05 06	3.0 2.7 2.9 3.1 3.3 2.6 2.9 2.6 2.9	**	Δ	.21 .11 .04 .07 .06 09 .03 12
a. b. c. d.	Writing clearly and effectively Speaking clearly and effectively Thinking critically and analytically Analyzing numerical and statistical information Acquiring job- or work-related	pgwrite pgspeak pgthink pganalyze	First Year Students Seniors First Year Students	and personal 3.0 3.2 2.8 2.9 3.1 3.3 2.6 2.9 3.1 3.3 2.6 2.9 3.0 2.5 3.0 2.8	develop 2.88 3.00 2.77 2.99 3.00 3.33 2.77 2.99 2.66 2.99 2.88	**		the follo .19 .26 .09 .07 .10 .07 13 03 15	wing ar 2.9 3.0 2.7 3.0 3.0 3.3 2.7 2.8 2.5 3.0		Δ	.22 .09 03 .09 .12 16 .05 06 .08	3.0 2.7 2.9 3.1 3.3 2.6 2.9 2.6 2.9 2.8		Δ	.21 .11 .04 .07 .06 09 .03 12 .13
a. b. c. d.	Writing clearly and effectively Speaking clearly and effectively Thinking critically and analytically Analyzing numerical and statistical information Acquiring job- or work-related knowledge and skills	pgwrite pgspeak pgthink pganalyze pgwork	First Year Students Seniors First Year Students	and personal 3.0 3.2 2.8 2.9 3.1 3.3 2.6 2.9 2.5 3.0	develop 2.8 3.0 2.7 2.9 3.0 3.3 2.7 2.9 2.6 2.9	**		the follo .19 .26 .09 .07 .10 .07 13 03 15	2.9 3.0 2.7 3.0 3.0 3.3 2.7 2.8 2.5 3.0			.22 .09 03 .09 .12 16 .05 06	3.0 2.7 2.9 3.1 3.3 2.6 2.9 2.6 2.9		Δ	.21 .11 .04 .07 .06 09 .03 12 .13
a. b. c. d.	Writing clearly and effectively Speaking clearly and effectively Thinking critically and analytically Analyzing numerical and statistical information Acquiring job- or work-related knowledge and skills Working effectively with others	pgwrite pgspeak pgthink pganalyze pgwork pgothers	First Year Students Seniors	and personal 3.0 3.2 2.8 2.9 3.1 3.3 2.6 2.9 2.5 3.0 2.8 3.1 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3	develop 2.88 3.00 2.77 2.99 3.00 3.33 2.77 2.99 2.66 2.99 2.88 3.00	**		the follo .19 .26 .09 .07 .10 .07 13 03 15 .14 02	2.9 3.0 2.7 3.0 3.3 3.3 2.7 2.8 2.5 3.0 2.8 3.1			.22 .09 03 .09 .12 16 .05 06 .08	3.0 2.7 2.9 3.1 3.3 2.6 2.9 2.6 2.9 2.8 3.0		Δ	.21 .11 .04 .07 .06 09 .03 12 .13 03
a. b. c. d.	Writing clearly and effectively Speaking clearly and effectively Thinking critically and analytically Analyzing numerical and statistical information Acquiring job- or work-related knowledge and skills Working effectively with others Developing or clarifying a personal code of values and ethics Understanding people of other	pgwrite pgspeak pgthink pganalyze pgwork pgothers	First Year Students Seniors First Year Students	and personal 3.0 3.2 2.8 2.9 3.1 3.3 2.6 2.9 2.5 3.0 2.8 3.1 2.5 2.9 2.5 3.0 2.8	develop 2.88 3.00 2.77 2.99 3.00 3.33 2.77 2.99 2.66 2.99 2.88 3.00 2.77	**		the folio .19 .26 .09 .07 .10 .07130315 .1402 .1013	wing ar 2.9 3.0 2.7 3.0 3.0 3.3 2.7 2.8 2.5 3.0 2.8 3.1		Δ	.22 .09 03 .09 .12 16 .05 06 .08 .00 .05	3.0 2.7 2.9 3.1 3.3 2.6 2.9 2.6 2.9 2.8 3.0 2.7		Δ	.21 .11 .04 .07 .06 09 .03 12 .13 03
a. b. c. d.	Writing clearly and effectively Speaking clearly and effectively Thinking critically and analytically Analyzing numerical and statistical information Acquiring job- or work-related knowledge and skills Working effectively with others Developing or clarifying a personal code of values and ethics Understanding people of other backgrounds (economic, racial/ethnic,	pgwrite pgspeak pgthink pganalyze pgwork pgothers pgvalues	First Year Students Seniors	and personal 3.0 3.2 2.8 2.9 3.1 3.3 2.6 2.9 2.5 3.0 2.8 3.1 2.6 2.9 2.7	develop 2.8 3.00 2.7 2.9 3.00 3.3 2.7 2.99 2.90 2.90 2.8 3.00 2.7 2.8 2.8	**		the follo .19 .26 .09 .07 .10 .07130315 .1402 .1013 .1511	wing ar			.22 .09 03 .09 .12 16 .05 06 .08 .00 .05 11 .04	3.0 2.7 2.9 3.1 3.3 2.6 2.9 2.8 3.0 2.7 2.8 2.8		Δ	.21 .11 .04 .07 .06 09 .03 12 .13 03 .08 12
a. b. c. d. g.	Writing clearly and effectively Speaking clearly and effectively Thinking critically and analytically Analyzing numerical and statistical information Acquiring job- or work-related knowledge and skills Working effectively with others Developing or clarifying a personal code of values and ethics Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgwrite pgspeak pgthink pganalyze pgwork pgothers pgvalues pgdiverse	First Year Students Seniors	and personal 3.0 3.2 2.8 2.9 3.1 3.3 2.6 2.9 2.5 3.0 2.8 3.1 2.6 2.9 2.7	develop 2.8 3.0 2.7 2.9 3.0 3.3 2.7 2.9 2.6 2.8 3.0 2.7 2.8 2.8 2.8	**		the follo .19 .26 .09 .07 .10 .07130315 .1402 .1013 .1511	wing ar 2.9 3.0 2.7 3.0 3.0 3.0 3.0 3.0 2.7 2.8 2.5 3.0 2.8 3.1 2.7 2.9 2.7 2.8	**		.22 .09 03 .09 .12 16 .05 06 .08 .00 .05 11 .04 04	3.0 2.7 2.9 3.1 3.3 2.6 2.9 2.6 2.9 2.8 3.0 2.7 2.8 2.8		Δ	.21 .11 .04 .07 .0609 .0312 .1303 .0812 .0810
a. b. c. d. g.	Writing clearly and effectively Speaking clearly and effectively Thinking critically and analytically Analyzing numerical and statistical information Acquiring job- or work-related knowledge and skills Working effectively with others Developing or clarifying a personal code of values and ethics Understanding people of other backgrounds (economic, racial/ethnic,	pgwrite pgspeak pgthink pganalyze pgwork pgothers pgvalues	First Year Students Seniors First Year Students	and personal 3.0 3.2 2.8 2.9 3.1 3.3 2.6 2.9 2.5 3.0 2.8 3.1 2.6 2.9 2.7	develop 2.8 3.00 2.7 2.9 3.00 3.3 2.7 2.99 2.90 2.90 2.8 3.00 2.7 2.8 2.8	**		the follo .19 .26 .09 .07 .10 .07130315 .1402 .1013 .1511	wing ar	**		.22 .09 03 .09 .12 16 .05 06 .08 .00 .05 11 .04	3.0 2.7 2.9 3.1 3.3 2.6 2.9 2.8 3.0 2.7 2.8 2.8		Δ	.21 .11 .04 .07 .06 09 .03 12 .13 03 .08

j.	Being an informed and active citizen	pgcitizen	First Year Students	2.6	2.7		03	2.7		06	2.7			02
			Seniors	2.7	2.7		.04	2.7		.02	2.7			.04
18	18. How would you evaluate your entire educational experience at this institution?													
		evalexp	First Year Students	3.1	3.2		08	3.1		.02	3.2			14
			Seniors	3.3	3.2		.13	3.2		.16	3.3			.07
19	19. If you could start over again, would you go to the same institution you are now attending?													
		sameinst	First Year Students	3.1	3.2		19	3.0		.07	3.2			18
			Seniors	3.2	3.2		01	3.1		.07	3.2			03

Statistical comparisons: Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (*p < .05, **p < .01, ***p < .001). Significance levels indicate the probability that an observed difference is due to chance. Statistical significance does not guarantee the result is substantive or important. Large sample sizes tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. Consult effect sizes (see #7) to judge the practical meaning of differences. Unless otherwise noted, statistical comparisons are two-tailed independent t-tests. Exceptions are items 11 a-f which are compared using a z-test.

Effect size: Effect size indicates practical significance. An effect size of .2 is often considered small, .5 moderate, and .8 large. A positive effect size indicates that your institution's mean was greater than that of the comparison group, thus showing a favorable result for your institution. A negative effect size indicates your institution lags behind the comparison group, suggesting that the student behavior or institutional practice represented by the item may warrant attention. Effect sizes for independent t-tests use Cohen's d; z-tests use Cohen's h. Cohen's d is calculated by dividing the mean difference by the pooled standard deviation. Cohen's h is calculated by taking the difference in the proportion of students who responded "Done or in progress" after the proportion has been transformed using a non-linear (arcsine) transformation. See: Cohen, J. (1988). Statistical power analysis for the behavioral sciences (2nd edition). New York: Psychology Press.

Key to symbols:

- A Vour students' average was significantly higher (p < .05) with an effect size at least .3 in magnitude.
 Your students' average was significantly higher (p < .05) with an effect size less than .3 in magnitude.
 Your students' average was significantly lower (p < .05) with an effect size less than .3 in magnitude.
- **Vour students' average** was significantly lower (p < .05) with an effect size at least .3 in magnitude.