

Seniors

		Mean Statistics			Distribution Statistics					Reference Group Comparison Statistics			
		Mean	SD ^b	SEM ^c	Percentiles ^d					Deg. of Freedom ^e	Mean Diff.	Sig. ^f	Effect size ^g
					5th	25th	50th	75th	95th				
LEVEL OF ACADEMIC CHALLENGE (LAC)													
Missouri S&T	(N = 670)	54.0	14.2	.5	30	45	54	64	77				
S&T Peer Group		56.8	14.5	.3	32	47	57	67	80	2,421	-2.8	.000	-.19
Carnegie Class		56.6	14.6	.1	32	47	57	67	80	66,837	-2.6	.000	-.18
NSSE 2010		57.6	14.4	.0	33	48	58	68	80	313,181	-3.6	.000	-.25
Top 50%		60.9	13.7	.0	38	52	61	71	82	95,437	-6.9	.000	-.50
Top 10%		63.8	13.6	.1	41	55	65	73	85	21,734	-9.8	.000	-.72
ACTIVE AND COLLABORATIVE LEARNING (ACL)													
Missouri S&T	(N = 695)	47.8	15.8	.6	24	38	48	57	76				
S&T Peer Group		51.5	17.3	.4	24	38	52	62	81	1,354	-3.7	.000	-.22
Carnegie Class		50.6	18.1	.1	24	38	48	62	81	712	-2.8	.000	-.16
NSSE 2010		51.4	17.7	.0	24	38	52	62	81	698	-3.6	.000	-.20
Top 50%		56.6	17.2	.1	29	43	57	67	86	708	-8.8	.000	-.51
Top 10%		60.3	17.9	.1	33	48	61	71	90	766	-12.5	.000	-.70
STUDENT-FACULTY INTERACTION (SFI)													
Missouri S&T	(N = 676)	38.5	19.6	.8	11	22	39	50	72				
S&T Peer Group		41.3	21.1	.5	11	28	39	56	78	1,311	-2.8	.002	-.13
Carnegie Class		41.2	21.1	.1	11	28	39	56	83	691	-2.7	.000	-.13
NSSE 2010		42.5	21.0	.0	11	28	39	56	83	678	-3.9	.000	-.19
Top 50%		49.2	21.5	.1	17	33	47	61	89	691	-10.7	.000	-.50
Top 10%		55.3	22.2	.2	22	39	56	72	94	787	-16.8	.000	-.76
ENRICHING EDUCATIONAL EXPERIENCES (EEE)													
Missouri S&T	(N = 659)	38.9	15.5	.6	12	28	40	49	63				
S&T Peer Group		39.8	17.4	.4	14	26	39	52	69	1,324	-.9	.239	-.05
Carnegie Class		39.8	17.9	.1	12	26	39	52	71	676	-.9	.125	-.05
NSSE 2010		40.5	18.3	.0	12	27	40	53	72	662	-1.6	.007	-.09
Top 50%		47.7	18.0	.1	18	35	48	60	77	670	-8.8	.000	-.49
Top 10%		55.8	17.3	.1	25	44	57	68	83	736	-16.9	.000	-.98
SUPPORTIVE CAMPUS ENVIRONMENT (SCE)													
Missouri S&T	(N = 652)	54.0	16.3	.6	25	44	56	64	81				
S&T Peer Group		53.7	18.6	.5	22	42	53	67	83	1,340	.3	.696	.02
Carnegie Class		58.8	19.4	.1	25	44	58	72	92	670	-4.7	.000	-.24
NSSE 2010		59.6	19.3	.0	28	47	61	72	92	655	-5.6	.000	-.29
Top 50%		64.7	18.9	.1	33	53	67	78	94	665	-10.7	.000	-.57
Top 10%		68.6	18.5	.2	36	56	69	83	100	759	-14.6	.000	-.79

^a All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

^b Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

^c Standard Error of the Mean: Use SEM to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean +/- 1.96 * SEM.

^d A percentile is the point in the distribution of student-level benchmark scores at or below which a given percentage of benchmark scores fall.

^e Degrees of freedom used to compute the t-tests. Values vary for the total Ns due to weighting and the equal variance assumption.

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

^g Effect size is calculated by subtracting the comparison group mean from the school mean, and dividing the result by the pooled standard deviation.