

First-Year Students

	Mean Statistics			Distribution Statistics					Reference Group Comparison Statistics			
	Mean	SD ^b	SEM ^c	5th	Percentiles ^d			95th	Deg. of Freedom ^e	Mean Diff.	Sig. ^f	Effect size ^g
LEVEL OF ACADEMIC CHALLENGE (LAC)												
Missouri S&T (N = 449)	49.5	12.2	.6	30	41	49	58	71				
Plains Public	51.0	12.8	.1	31	42	51	59	72	17,575	-1.5	.012	-.12
Carnegie Class	52.0	13.4	.1	30	43	52	61	74	457	-2.6	.000	-.19
NSSE 2008	52.9	13.5	.0	31	44	53	62	75	449	-3.4	.000	-.25
Top 50%	56.4	13.1	.0	35	48	56	66	77	452	-6.9	.000	-.53
Top 10%	60.7	12.8	.1	38	52	61	70	80	21,380	-11.2	.000	-.88
ACTIVE AND COLLABORATIVE LEARNING (ACL)												
Missouri S&T (N = 479)	43.3	15.4	.7	19	33	43	52	71				
Plains Public	40.7	15.7	.1	19	29	38	50	67	18,988	2.7	.000	.17
Carnegie Class	41.9	16.8	.1	19	29	38	52	71	57,655	1.5	.056	.09
NSSE 2008	42.5	16.9	.0	19	29	42	52	71	362,046	.8	.302	.05
Top 50%	47.5	17.0	.1	24	33	48	57	76	483	-4.2	.000	-.25
Top 10%	51.6	17.9	.1	24	38	50	62	83	504	-8.2	.000	-.46
STUDENT-FACULTY INTERACTION (SFI)												
Missouri S&T (N = 448)	29.8	16.9	.8	6	17	28	39	61				
Plains Public	33.1	17.6	.1	11	22	28	44	67	17,635	-3.4	.000	-.19
Carnegie Class	33.3	18.3	.1	11	22	28	44	67	457	-3.6	.000	-.19
NSSE 2008	34.6	18.7	.0	11	22	33	44	72	449	-4.9	.000	-.26
Top 50%	39.7	19.4	.1	11	28	39	50	78	453	-9.9	.000	-.51
Top 10%	43.6	21.2	.2	13	28	39	56	83	482	-13.8	.000	-.66
ENRICHING EDUCATIONAL EXPERIENCES (EEE)												
Missouri S&T (N = 435)	27.3	11.7	.6	9	18	27	36	47				
Plains Public	26.0	13.2	.1	8	17	25	34	48	17,188	1.3	.037	.10
Carnegie Class	27.7	13.4	.1	8	18	26	36	50	443	-4	.506	-.03
NSSE 2008	27.5	13.6	.0	8	18	26	36	51	435	-2	.700	-.02
Top 50%	30.3	13.7	.0	11	21	29	38	54	437	-3.0	.000	-.22
Top 10%	33.0	14.3	.1	11	23	32	42	58	452	-5.7	.000	-.40
SUPPORTIVE CAMPUS ENVIRONMENT (SCE)												
Missouri S&T (N = 431)	58.7	17.3	.8	31	47	58	69	89				
Plains Public	59.5	17.9	.1	31	47	58	72	89	16,839	-.9	.327	-.05
Carnegie Class	60.3	18.8	.1	28	47	61	72	92	439	-1.6	.051	-.09
NSSE 2008	61.1	19.0	.0	30	47	61	75	92	432	-2.4	.004	-.13
Top 50%	65.8	18.4	.1	33	53	67	78	94	435	-7.1	.000	-.39
Top 10%	68.5	18.4	.1	36	56	69	81	97	450	-9.8	.000	-.53

^a All statistics are weighted by gender, enrollment status, and institutional size.

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

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

^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.