

First-Year Students

		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 = 505)	49.1	12.2	.5	31	40	48	57	70				
S&T Peer Group		54.5	12.8	.3	34	46	55	63	75	2,171	-5.5	.000	-.43
Carnegie Class		53.7	13.4	.1	31	45	54	63	75	517	-4.6	.000	-.35
NSSE 2010		54.1	13.6	.0	32	45	54	64	76	506	-5.0	.000	-.37
Top 50%		57.2	13.1	.0	35	48	57	66	78	510	-8.2	.000	-.62
Top 10%		60.5	12.9	.1	38	52	61	70	80	19,868	-11.5	.000	-.89
ACTIVE AND COLLABORATIVE LEARNING (ACL)													
Missouri S&T	(N = 541)	42.2	14.7	.6	19	33	43	52	67				
S&T Peer Group		45.1	16.8	.4	19	33	43	57	76	1,010	-2.8	.000	-.17
Carnegie Class		42.6	16.7	.1	19	33	43	52	71	555	-.4	.578	-.02
NSSE 2010		43.7	16.8	.0	19	33	43	52	72	543	-1.5	.023	-.09
Top 50%		48.1	17.0	.1	24	38	48	57	76	549	-5.8	.000	-.34
Top 10%		52.2	17.8	.1	24	38	52	62	83	595	-10.0	.000	-.57
STUDENT-FACULTY INTERACTION (SFI)													
Missouri S&T	(N = 509)	28.3	15.8	.7	6	17	28	39	56				
S&T Peer Group		32.8	18.2	.4	6	22	28	44	67	954	-4.5	.000	-.26
Carnegie Class		33.7	18.3	.1	11	22	33	44	67	523	-5.4	.000	-.30
NSSE 2010		35.2	18.6	.0	11	22	33	44	72	511	-6.9	.000	-.37
Top 50%		39.9	19.6	.1	11	28	39	50	78	519	-11.7	.000	-.60
Top 10%		44.1	21.5	.2	11	28	44	56	83	581	-15.8	.000	-.74
ENRICHING EDUCATIONAL EXPERIENCES (EEE)													
Missouri S&T	(N = 497)	26.3	12.3	.6	8	18	25	34	46				
S&T Peer Group		27.4	12.9	.3	10	19	26	35	48	2,133	-1.1	.096	-.09
Carnegie Class		28.6	13.2	.1	10	19	28	36	51	44,903	-2.3	.000	-.17
NSSE 2010		27.9	13.5	.0	8	18	26	36	51	498	-1.6	.005	-.12
Top 50%		31.1	13.6	.0	11	22	30	40	54	502	-4.8	.000	-.35
Top 10%		33.6	14.0	.1	12	23	33	42	57	521	-7.3	.000	-.52
SUPPORTIVE CAMPUS ENVIRONMENT (SCE)													
Missouri S&T	(N = 489)	59.6	16.1	.7	33	50	58	69	86				
S&T Peer Group		60.4	18.0	.4	28	50	61	72	89	890	-.8	.358	-.04
Carnegie Class		62.3	18.7	.1	31	50	64	75	94	503	-2.7	.000	-.15
NSSE 2010		62.5	18.8	.0	31	50	64	75	94	491	-2.9	.000	-.15
Top 50%		67.2	18.0	.1	36	56	67	81	97	497	-7.6	.000	-.42
Top 10%		70.8	17.9	.2	39	58	72	83	100	539	-11.2	.000	-.63

^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.