NSSE national survey of student engagement

NSSE 2023 Engagement Indicators

Detailed Statistics[a]

Shenandoah University

Detailed Statistics: Seniors

	Mean statistics			Percentile[d] scores					Comparison results			
	Mean	*SD*[b]	*SE*[c]	*5th*	*25th*	*50th*	*75th*	*95th*	*Deg. of freedom*[e]	*Mean diff.*	*Sig.*[f]	*Effect size*[g]
Academic Challenge												
Higher-Order Learning												
SU (N = 152)	38.6	13.6	1.10	15	30	40	45	60				
Southeast Private	42.0	13.4	.09	20	35	40	55	60	21,397	-3.5	.002	-.257
Carnegie Class	41.8	13.8	.06	20	35	40	55	60	49,411	-3.2	.004	-.233
NSSE 2022 & 2023	40.7	13.8	.02	20	30	40	50	60	366,703	-2.1	.059	-.153
Top 50%	42.1	13.7	.03	20	35	40	55	60	170,475	-3.5	.002	-.257
Top 10%	44.7	12.8	.10	20	40	45	60	60	16,442	-6.2	.000	-.480
Reflective & Integrative Learning												
SU (N = 161)	36.2	11.9	.94	17	29	37	43	57				
Southeast Private	40.4	12.4	.08	20	31	40	51	60	22,651	-4.2	.000	-.336
Carnegie Class	39.8	12.8	.06	20	31	40	49	60	52,464	-3.6	.000	-.282
NSSE 2022 & 2023	38.7	12.9	.02	17	29	40	49	60	391,439	-2.4	.016	-.189
Top 50%	40.6	12.5	.03	20	31	40	51	60	154,481	-4.4	.000	-.350
Top 10%	43.1	11.8	.09	23	34	43	54	60	15,807	-6.8	.000	-.578
Learning Strategies												
SU (N = 147)	38.6	14.7	1.21	13	27	40	53	60				
Southeast Private	40.5	14.5	.10	20	33	40	53	60	20,250	-1.9	.110	-.132
Carnegie Class	40.6	14.7	.07	13	33	40	53	60	46,683	-2.0	.105	-.134
NSSE 2022 & 2023	39.2	14.6	.02	13	27	40	53	60	344,843	-.6	.648	-.038
Top 50%	40.9	14.5	.03	20	33	40	53	60	182,594	-2.3	.050	-.162
Top 10%	43.6	14.1	.09	20	33	40	60	60	26,663	-5.0	.000	-.351
Quantitative Reasoning												
SU (N = 146)	30.3	17.1	1.42	0	20	27	40	60				
Southeast Private	31.7	16.9	.12	0	20	33	40	60	20,467	-1.3	.338	-.080
Carnegie Class	31.3	16.9	.08	0	20	33	40	60	47,317	-1.0	.468	-.060
NSSE 2022 & 2023	31.4	16.6	.03	0	20	33	40	60	349,575	-1.1	.434	-.065
Top 50%	32.7	16.5	.04	7	20	33	40	60	214,608	-2.4	.084	-.143
Top 10%	36.3	16.2	.12	7	20	40	47	60	17,341	-5.9	.000	-.367
Learning with Peers												
Collaborative Learning												
SU (N = 170)	34.5	13.2	1.01	15	25	35	40	60				
Southeast Private	28.9	17.5	.11	0	15	30	40	60	173	5.6	.000	.323
Carnegie Class	26.8	17.1	.07	0	15	25	40	60	171	7.8	.000	.455
NSSE 2022 & 2023	30.3	16.0	.03	0	20	30	40	60	169	4.3	.000	.267
Top 50%	34.7	14.2	.03	10	25	35	45	60	171,375	-.2	.865	-.013
Top 10%	38.1	13.6	.09	15	30	40	50	60	23,370	-3.6	.001	-.263
Discussions with Diverse Others												
SU (N = 146)	40.6	14.2	1.17	20	30	40	55	60				
Southeast Private	38.8	15.7	.11	15	30	40	50	60	147	1.8	.138	.112
Carnegie Class	38.4	16.6	.08	10	25	40	55	60	146	2.1	.072	.129
NSSE 2022 & 2023	38.8	16.2	.03	10	25	40	55	60	145	1.8	.136	.109
Top 50%	41.1	15.6	.04	15	30	40	55	60	188,457	-.5	.705	-.031
Top 10%	43.9	14.8	.10	20	35	45	60	60	20,204	-3.4	.006	-.227

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	Mean	*SD*[b]	*SE*[c]	*5th*	*25th*	*50th*	*75th*	*95th*	*Deg. of freedom*[e]	*Mean diff.*	*Sig.*[f]	*Effect size*[g]
Experiences with Faculty												
Student-Faculty Interaction												
SU (N = 157)	29.4	14.3	1.14	5	20	30	40	60				
Southeast Private	25.6	17.2	.12	0	10	25	40	60	159	3.8	.001	.224
Carnegie Class	22.6	16.8	.07	0	10	20	35	60	157	6.8	.000	.405
NSSE 2022 & 2023	23.7	16.5	.03	0	10	20	35	60	156	5.7	.000	.343
Top 50%	29.6	16.2	.06	5	20	30	40	60	157	-.2	.877	-.011
Top 10%	34.3	15.8	.16	10	20	35	45	60	162	-4.9	.000	-.307
Effective Teaching Practices												
SU (N = 151)	40.2	13.4	1.09	20	32	40	52	60				
Southeast Private	42.1	13.7	.09	20	32	40	52	60	21,383	-1.9	.091	-.138
Carnegie Class	41.1	14.5	.07	16	32	40	52	60	151	-.9	.408	-.063
NSSE 2022 & 2023	40.0	14.1	.02	16	32	40	52	60	366,029	.2	.888	.011
Top 50%	42.1	13.8	.04	20	32	40	56	60	126,590	-1.9	.083	-.141
Top 10%	44.7	13.4	.10	20	36	44	56	60	19,920	-4.5	.000	-.337
Campus Environment												
Quality of Interactions												
SU (N = 142)	44.1	11.5	.97	24	38	46	53	60				
Southeast Private	44.3	12.1	.09	22	38	46	54	60	18,796	-.2	.857	-.015
Carnegie Class	44.7	12.6	.06	20	38	46	55	60	42,049	-.6	.558	-.049
NSSE 2022 & 2023	43.0	12.4	.02	20	36	44	52	60	314,011	1.0	.326	.083
Top 50%	45.4	12.1	.03	22	38	48	55	60	135,896	-1.3	.199	-.108
Top 10%	47.9	12.5	.07	22	40	50	60	60	33,811	-3.8	.000	-.305
Supportive Environment												
SU (N = 139)	34.9	13.4	1.13	14	25	35	45	60				
Southeast Private	33.4	14.6	.10	10	23	33	43	60	19,833	1.5	.233	.101
Carnegie Class	32.1	15.1	.07	8	20	33	43	60	45,435	2.8	.030	.185
NSSE 2022 & 2023	32.0	14.5	.02	8	20	33	40	60	336,718	2.9	.017	.202
Top 50%	34.5	14.3	.04	10	25	35	45	60	124,457	.3	.774	.024
Top 10%	37.7	13.9	.13	15	28	38	48	60	12,093	-2.8	.019	-.199

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).
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, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI (equal to the sample mean +/- 1.96 x SE) is the range that is 95% likely to contain the true population mean.
d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.
e. Degrees of freedom used to compute the t-tests. Values vary from the total Ns due to weighting and whether equal variances were assumed.
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 the mean difference divided by the pooled standard deviation.

IPEDS: 233541