

ETS Proficiency Profile Results: 2010-2011

Overview

The ETS Proficiency Profile was administered to a sample of 201 incoming freshmen students enrolled in First Year Seminar courses in fall 2010. Instruments were administered to entire classes of students in 16 different course sections with enrollment ranging from 8 to 18 (modal enrollment = 18). The courses selected were representative of the range of disciplines offered in First Year Seminar courses. Of the 200 instruments administered, 193 were complete and included for analysis. The average combined SAT score for this sample was 1240 (vs. 1243 for all incoming freshmen). The instrument was also administered to sample of 222 senior students enrolled in senior capstone courses in spring 2011. Instruments were administered to entire classes of students in 14 different course sections with enrollment ranging from 1 to 22 for all schools with the exception of Nursing and Engineering. The courses selected were proportionally representative of the enrollment by school. In Nursing and Engineering, all graduating seniors were given the instrument and a random sample in proportion to enrollment was included in the overall senior sample. Of the 222 instruments included in the senior sample, 215 were complete and included for analysis. The average combined SAT score for this sample was 1219 (vs. 1213 for all seniors).

Highlights from the 2010-2011 administration of the ETS Proficiency Profile:

- Mean skill subscores of the incoming freshmen in critical thinking, reading, writing, and mathematics exceeded the scores of 100% of the institutions who took the ETS Proficiency Profile from January 2006 through June 2010.
- Mean context-based subscores of the incoming freshmen in humanities, social sciences, and natural sciences exceeded the scores of 100% of the institutions who took the ETS Proficiency Profile from January 2006 through June 2010.
- Mean scores of the senior students exceeded 93% of all institutions in critical thinking, 92% of all institutions in reading, 97% of all institutions in writing, and 96% of all institutions in mathematics.
- The percent of students classified as “Proficient” in critical thinking increased from 6% to 10% from the freshmen sample to the senior sample.
- The percent of students classified as “Proficient” in reading at level 2 increased from 53% to 56% from the freshmen sample to the senior sample.
- The percent of students classified as “Proficient” in mathematics at level 3 increased from 12% to 22% from the freshmen sample to the senior sample.
- The percent of students classified as “Proficient” in writing increased from 38% to 50% at level 2 and from 23% to 24% at level 3.
- Increases were found despite the fact that the average SAT score for the senior sample (1219) was significantly lower than the average SAT for the freshman sample (1235).

Percent of Institutions with Mean Scores Below TCNJ Mean Scores

	TCNJ Mean Scores	Percent of Institutions Below	TCNJ Mean Scores	Percent of Institutions Below
	First Year		Seniors: All Schools	
Total Score	459.43	100	461.65	97
Skills Subscores:				
Critical Thinking	114.42	100	115.53	93
Reading	121.26	100	121.74	92
Writing	117.74	100	117.99	98
Mathematics	117.96	100	118.2	96
Context-Based Subscores:				
Humanities	116.9	100	118.2	97
Social Sciences	115.88	100	116.07	86
Natural Sciences	117.6	100	118.26	93

**Percent of Students Classified Proficient, Marginal, or Not Proficient
TCNJ vs. Carnegie Peers**

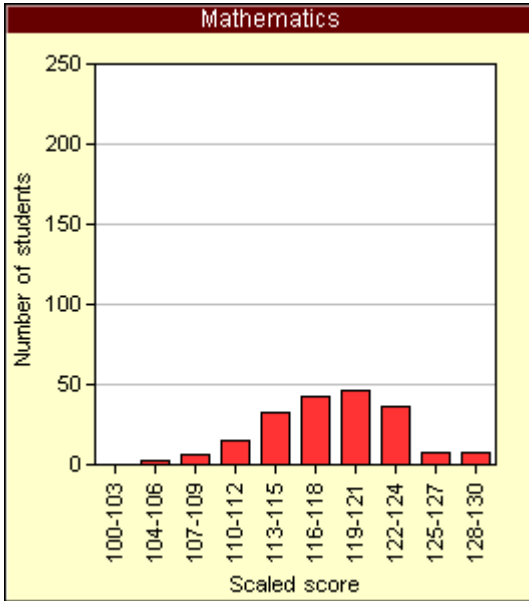
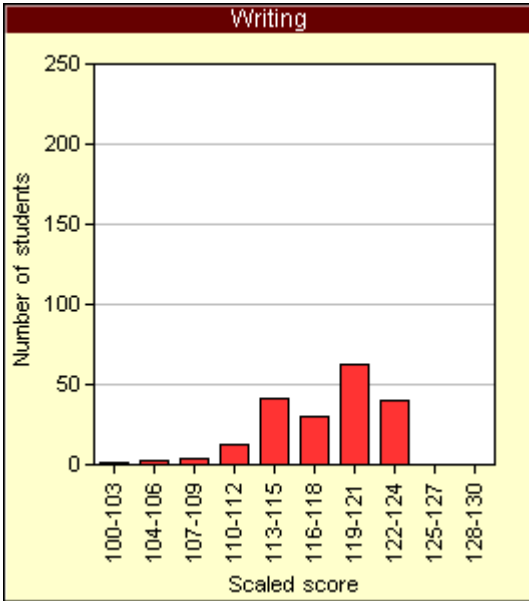
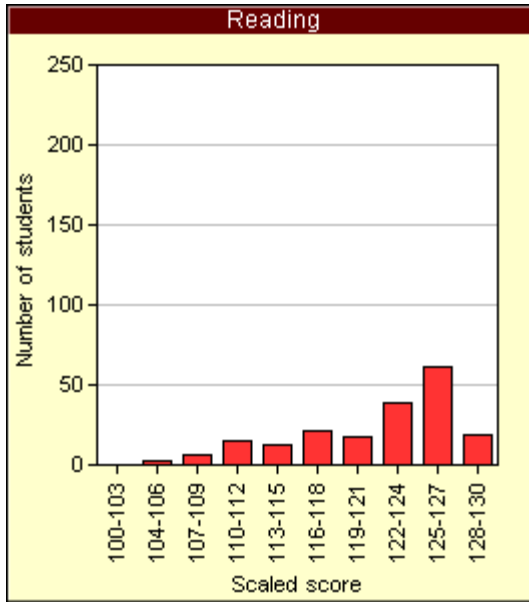
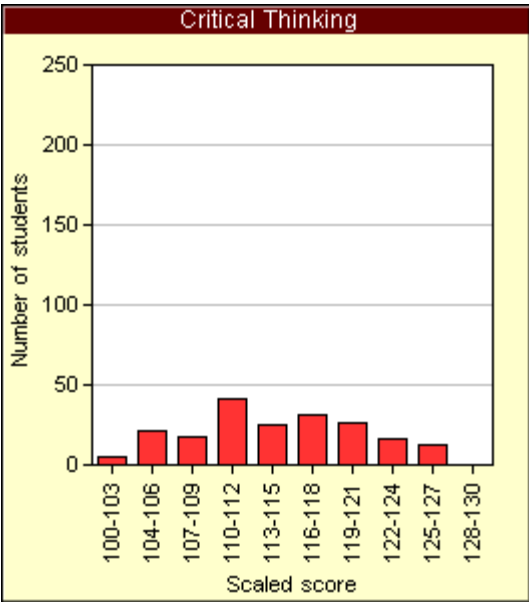
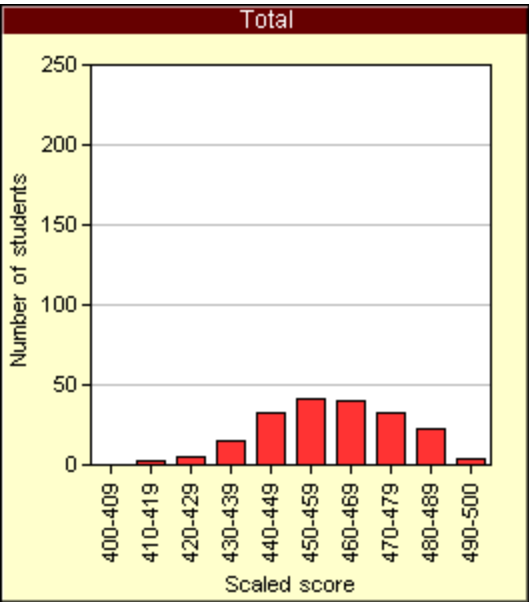
Skill Dimension and Level	First Year					
	Percent of Students Classified As					
	Proficient		Marginal		Not Proficient	
	TCNJ	All Other Master's	TCNJ	All Other Master's	TCNJ	All Other Master's
Reading, Level 1	83%	43%	10%	25%	7%	32%
Reading, Level 2	53%	18%	22%	15%	25%	66%
Critical Thinking	6%	2%	31%	7%	62%	91%
Writing, Level 1	87%	44%	11%	33%	2%	22%
Writing, Level 2	38%	10%	47%	27%	15%	63%
Writing, Level 3	23%	3%	32%	16%	45%	81%
Mathematics, Level 1	86%	36%	11%	28%	3%	36%
Mathematics, Level 2	57%	15%	26%	21%	17%	64%
Mathematics, Level 3	12%	3%	32%	9%	56%	88%

Skill Dimension and Level	Seniors					
	Percent of Students Classified As					
	Proficient		Marginal		Not Proficient	
	TCNJ	All Other Master's	TCNJ	All Other Master's	TCNJ	All Other Master's
Reading, Level 1	83%	69%	13%	18%	5%	14%
Reading, Level 2	56%	40%	20%	19%	24%	41%
Critical Thinking	10%	8%	35%	19%	55%	73%
Writing, Level 1	85%	65%	11%	25%	4%	10%
Writing, Level 2	50%	21%	34%	37%	16%	42%
Writing, Level 3	24%	8%	38%	28%	38%	64%
Mathematics, Level 1	80%	55%	14%	24%	6%	21%
Mathematics, Level 2	61%	29%	18%	25%	21%	45%
Mathematics, Level 3	22%	8%	29%	17%	49%	75%

Summary of Scaled Scores
To show the ability of the group taking the test
Student Level: Freshmen

	Possible Range	Mean Score	95% Confidence Limits* for Mean	Standard Deviation	25th Percentile	50th Percentile	75th Percentile
Total Score	400 to 500	459.38	457 to 462	16.56	447	460	472
Skills Subscores:							
Critical Thinking	100 to 130	114.59	113 to 116	6.36	110	115	121
Reading	100 to 130	121.26	120 to 123	6.06	118	123	125
Writing	100 to 130	117.70	117 to 119	4.38	115	119	121
Mathematics	100 to 130	117.80	117 to 119	5.23	113	118	123
Context-Based Subscores:							
Humanities	100 to 130	117.06	116 to 118	6.44	112	119	123
Social Sciences	100 to 130	115.87	115 to 117	6.03	110	118	120
Natural Sciences	100 to 130	117.66	116 to 119	4.81	114	119	123

Scaled Score Distributions
Student Level: Freshmen



Summary of Scaled Scores
To show the ability of the group taking the test
Student Level: Seniors

	Possible Range	Mean Score	95% Confidence Limits* for Mean	Standard Deviation	25th Percentile	50th Percentile	75th Percentile
Total Score	400 to 500	461.65	458 to 465	20.09	449	464	477
Skills Subscores:							
Critical Thinking	100 to 130	115.53	114 to 117	6.60	110	116	121
Reading	100 to 130	121.74	120 to 123	6.37	118	123	127
Writing	100 to 130	117.99	117 to 119	4.74	115	119	121
Mathematics	100 to 130	118.20	117 to 120	6.29	113	119	124
Context-Based Subscores:							
Humanities	100 to 130	118.20	117 to 120	6.84	112	119	123
Social Sciences	100 to 130	116.07	115 to 117	6.25	110	118	122
Natural Sciences	100 to 130	118.26	117 to 119	5.19	114	119	123

*The confidence limits are based on the assumption that the questions contributing to each scaled score are a sample from a much larger set of possible questions that could have been used to measure those same skills. If the group of students taking the test is a sample from some larger population of students eligible to be tested, the confidence limits include both sampling of students and sampling of questions as factors that could cause the mean score to vary. The confidence limits indicate the precision of the mean score of the students actually tested, as an estimate of the "true population mean" - the mean score that would result if all the students in the population could somehow be tested with all possible questions. These confidence limits were computed by a procedure that has a 95 percent probability of producing upper and lower limits that will surround the true population mean. The population size used in the calculation of the confidence limits for the mean scores in this report is 999999.

Scaled Score Distributions
Student Level: Seniors

