

Andrews University

ETS Proficiency Profile 2018-2019
(Senior Exit Test)

Office of Institutional Effectiveness
July 14, 2019

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ETS Proficiency Profile 2018-2019

Summary of Scaled Scores

To show the ability of the group taking the test

Standard

Test Description: Combined

Number of students tested: 288

Number of students included in these statistics: 275

Number of students excluded (see roster): 13

	Possible Range	Mean Score	95% Confidence Limits* for Mean	Standard Deviation	25th Percentile	50th Percentile	75th Percentile
Total Score	400 to 500	448.10	447 to 449	23.94	428	446	467
Skills Subscores:							
Critical Thinking	100 to 130	113.23	112 to 114	7.44	107	113	120
Reading	100 to 130	118.87	118 to 120	7.53	113	119	125
Writing	100 to 130	114.72	114 to 115	6.17	110	115	120
Mathematics	100 to 130	115.22	114 to 116	7.01	110	114	121
Context-Based Subscores:							
Humanities	100 to 130	116.46	116 to 117	7.13	111	117	123
Social Sciences	100 to 130	113.95	113 to 115	7.47	108	114	119
Natural Sciences	100 to 130	116.52	116 to 117	6.70	111	117	121

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 275.

Important Notice: Statistics computed for small numbers of students (e.g., 25 or fewer) may not generalize to other, similar groups of students. The smaller the number of students

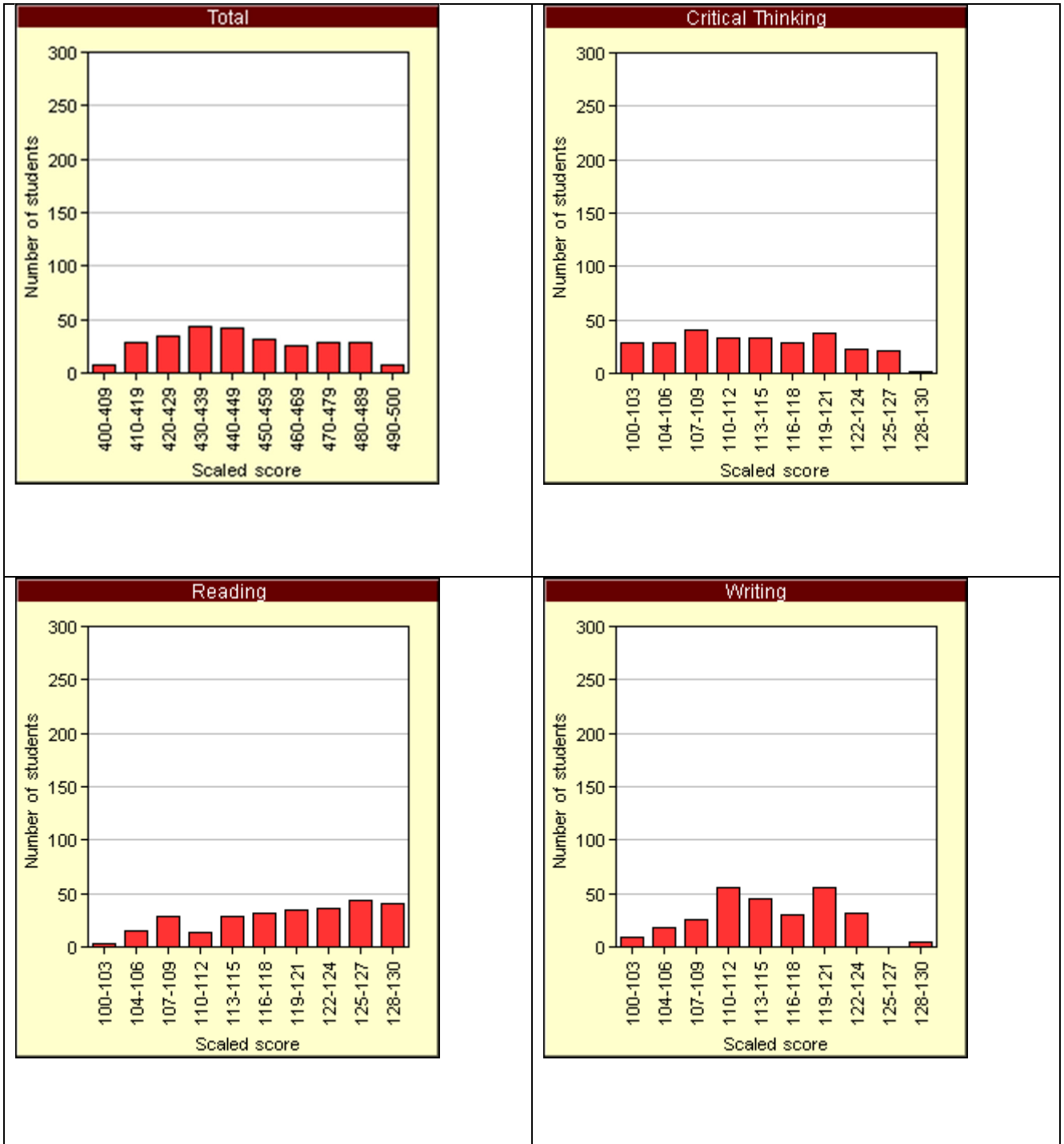
included in the statistics, the less likely that another group of students would have performed similarly.

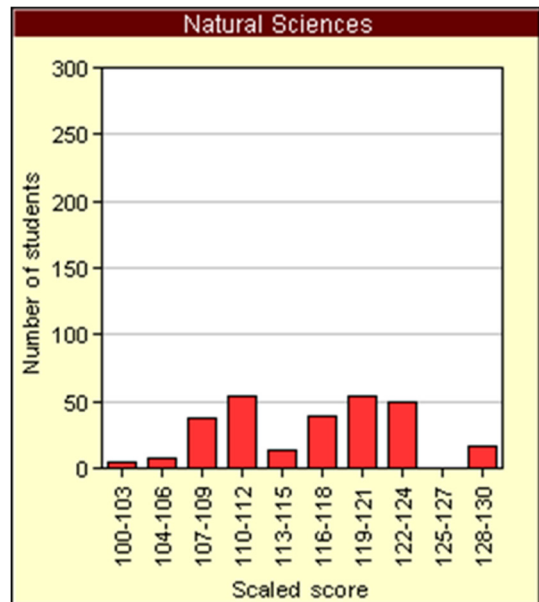
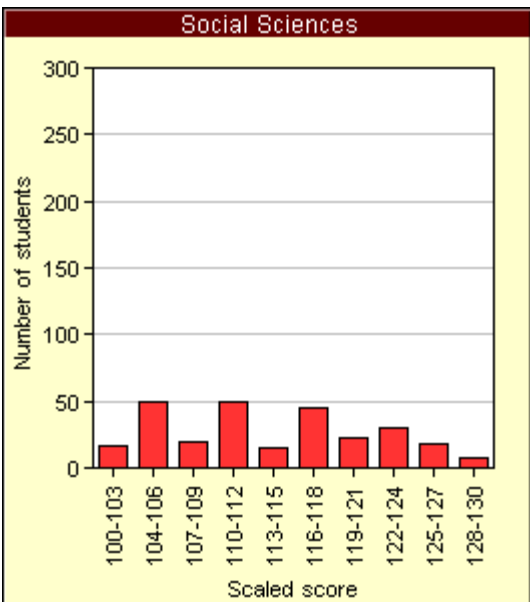
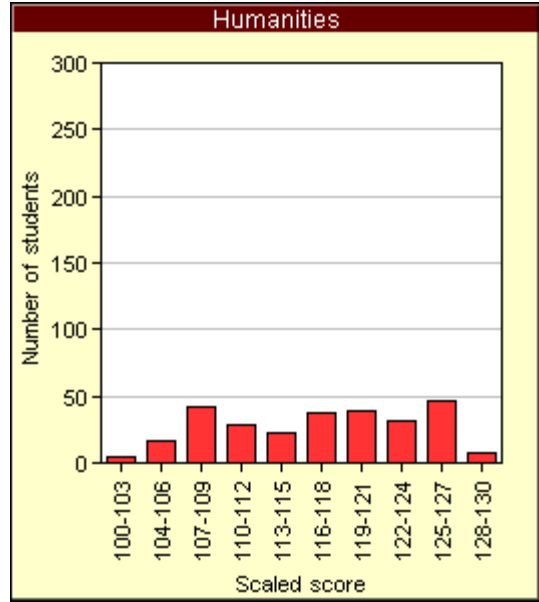
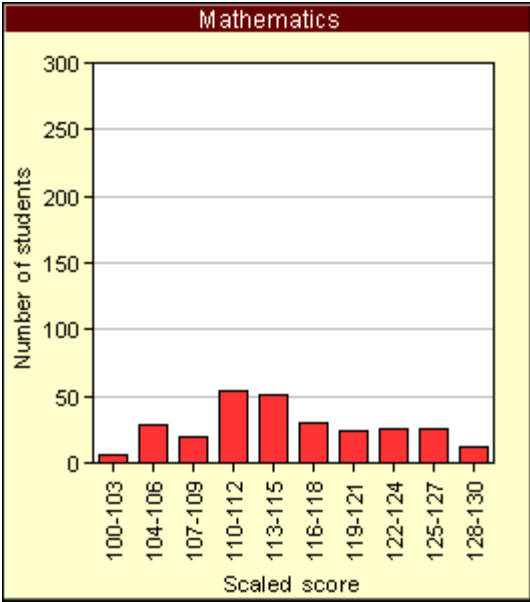
Comparative Data

Scores below represent Andrews compared with institutional mean scores for seniors at all institution types from July 2013 through June 2018. Total number of institutions = 232.

	Possible Range	Mean Score	95% Confidence Limits* for Mean	Standard Deviation	Percent Insti. Below	All Institutions Mean	Deviation from Mean of All Institutions
Total Score	400 to 500	448.10	447 to 449	23.94	59	446.2	1.9
Skills Subscores:							
Critical Thinking	100 to 130	113.23	112 to 114	7.44	72	111.9	1.3
Reading	100 to 130	118.87	118 to 120	7.53	38	118.4	0.5
Writing	100 to 130	114.72	114 to 115	6.17	33	114.7	0.0
Mathematics	100 to 130	115.22	114 to 116	7.01	69	114.1	1.1
Context-Based Subscores:							
Humanities	100 to 130	116.46	116 to 117	7.13	74	114.8	1.7
Social Sciences	100 to 130	113.95	113 to 115	7.47	35	113.6	0.4
Natural Sciences	100 to 130	116.52	116 to 117	6.70	54	115.7	0.8

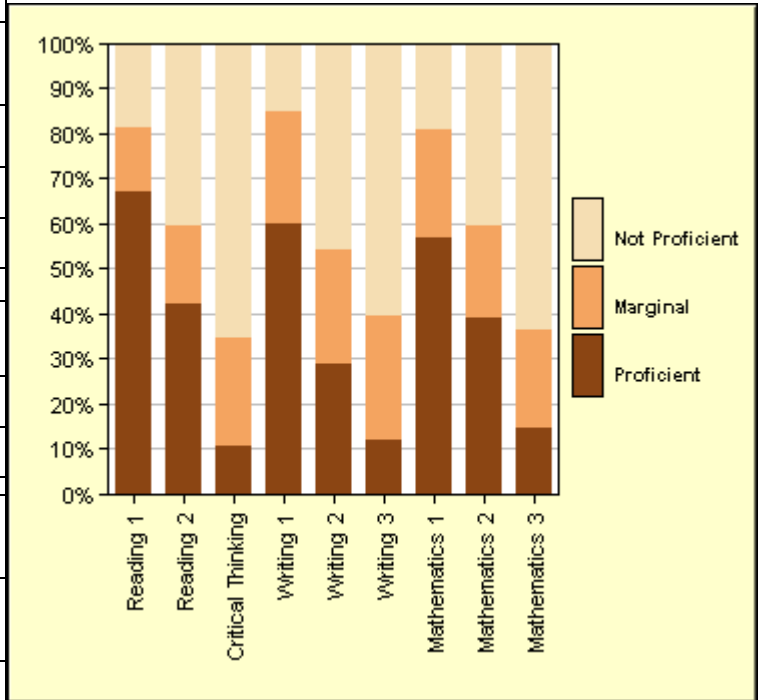
Scaled Score Distributions





Summary of Proficiency Classifications

Skill Dimension	Proficiency Classification		
	Proficient	Marginal	Not Proficient
Reading, Level 1	67%	15%	19%
Reading, Level 2	42%	17%	40%
Critical Thinking	11%	24%	65%
Writing, Level 1	60%	25%	15%
Writing, Level 2	29%	25%	46%
Writing, Level 3	12%	28%	60%
Mathematics, Level 1	57%	24%	19%
Mathematics, Level 2	39%	20%	40%
Mathematics, Level 3	15%	22%	64%



The skills measured by the ETS® Proficiency Profile test are grouped into proficiency levels - three proficiency levels for writing, three for mathematics, and three for the combined set of skills involved in reading and critical thinking. The table and graph show the number and percentage of students who are proficient, marginal, and not proficient at each proficiency level in reading and critical thinking, writing, and mathematics. A student classified as marginal is one whose test results do not provide enough evidence to classify the student either as proficient or as not proficient. See the User's Guide for more information about these classifications, including a list of the specific skills associated with each proficiency level in each skill area.

Important Notice: Statistics computed for small numbers of students (e.g., 25 or fewer) may not generalize to other, similar groups of students. The smaller the number of students included in the statistics, the less likely that another group of students would have performed similarly.

Demographic Analysis Reports

The mean score is presented on the top of each cell, with the standard deviation below in parentheses. Because the "gender" field is optional, the sum total of the male and female counts may not sum to the total group.

Gender

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Total Group	275	448.10 (23.94)	113.23 (7.44)	118.87 (7.53)	114.72 (6.17)	115.22 (7.01)	116.46 (7.13)	113.95 (7.47)	116.52 (6.70)
Male	115	451.46 (26.43)	114.20 (7.76)	119.23 (7.81)	115.16 (6.60)	116.88 (7.77)	117.04 (7.41)	114.55 (7.79)	117.27 (7.09)
Female	149	445.27 (21.77)	112.48 (7.09)	118.52 (7.28)	114.31 (5.84)	113.87 (6.26)	115.98 (6.81)	113.49 (7.16)	115.91 (6.39)

Age

	Number	Total Score	Critical Thinking	Reading	Writing	Maths	Humanities	Social Sciences	Natural Sciences
Total Group	275	448.10 (23.94)	113.23 (7.44)	118.87 (7.53)	114.72 (6.17)	115.22 (7.01)	116.46 (7.13)	113.95 (7.47)	116.52 (6.70)
20 - 29	263	448.81 (23.54)	113.39 (7.35)	119.07 (7.45)	114.93 (6.10)	115.41 (6.93)	116.59 (7.13)	114.08 (7.42)	116.73 (6.59)
30 - 39	5	442.60 (32.50)	110.80 (9.50)	115.80 (10.57)	112.80 (5.91)	115.00 (8.49)	115.80 (7.52)	113.60 (10.13)	112.00 (9.53)
40 - 49	2	423.50 (6.50)	111.50 (1.50)	111.00 (2.00)	109.50 (0.50)	104.00 (4.00)	113.00 (0.00)	109.00 (3.00)	111.50 (0.50)
50 - 59	4	422.50 (24.48)	108.00 (9.82)	113.75 (6.06)	106.00 (5.79)	109.00 (5.20)	110.75 (6.65)	109.50 (6.87)	112.00 (7.38)

Best Language

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Total Group	275	448.10 (23.94)	113.23 (7.44)	118.87 (7.53)	114.72 (6.17)	115.22 (7.01)	116.46 (7.13)	113.95 (7.47)	116.52 (6.70)
Yes	170	449.68 (24.14)	113.74 (7.53)	119.30 (7.49)	115.22 (6.04)	115.40 (7.09)	116.76 (7.18)	114.46 (7.59)	117.02 (6.83)
No	41	451.07 (26.50)	114.95 (7.24)	119.20 (8.21)	114.56 (7.25)	116.49 (8.00)	117.63 (7.89)	115.22 (7.47)	117.12 (6.11)
Equally well in English and another language	43	441.02 (19.64)	110.58 (5.94)	116.98 (7.15)	113.14 (5.61)	114.12 (5.72)	114.37 (5.94)	111.33 (5.90)	114.72 (6.11)

Ethnicity

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Total Group	275	448.10 (23.94)	113.23 (7.44)	118.87 (7.53)	114.72 (6.17)	115.22 (7.01)	116.46 (7.13)	113.95 (7.47)	116.52 (6.70)
African American	40	439.25 (20.95)	111.00 (6.52)	116.35 (7.91)	113.45 (5.78)	111.80 (5.81)	114.20 (6.64)	111.68 (6.96)	114.43 (6.58)
Black Hispanic	9	435.22 (17.19)	108.89 (3.21)	115.11 (6.56)	113.44 (8.11)	112.00 (5.25)	114.89 (4.04)	109.11 (3.87)	111.89 (4.89)
Hispanic	35	442.17 (19.13)	111.23 (6.69)	118.20 (6.48)	113.57 (5.21)	112.80 (5.19)	114.74 (6.89)	112.11 (6.60)	115.69 (5.34)
Latino	5	434.00 (24.49)	108.80 (6.11)	116.40 (6.74)	109.00 (5.93)	113.20 (7.41)	114.00 (7.51)	110.80 (6.18)	113.00 (4.15)
Other/Decline	45	442.11 (26.72)	111.27 (8.21)	117.44 (7.45)	112.89 (6.80)	113.82 (7.60)	114.91 (7.68)	112.78 (7.46)	114.78 (7.26)
Asian, Asian American or Pacific Islander	59	451.00 (23.84)	113.64 (7.28)	118.63 (8.06)	114.78 (5.90)	117.78 (6.98)	117.00 (6.65)	113.54 (8.02)	116.80 (6.75)
White	81	458.81 (21.45)	116.72 (6.79)	121.96 (6.46)	117.42 (5.16)	117.48 (6.54)	119.11 (6.85)	117.53 (6.63)	119.40 (6.08)

Hours Working

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Total Group	275	448.10 (23.94)	113.23 (7.44)	118.87 (7.53)	114.72 (6.17)	115.22 (7.01)	116.46 (7.13)	113.95 (7.47)	116.52 (6.70)
0 hours	56	446.84 (21.94)	112.52 (6.64)	118.54 (7.06)	114.63 (5.73)	115.34 (6.97)	116.59 (6.31)	112.39 (6.86)	115.98 (6.01)
1 - 15 hours	125	451.28 (23.62)	114.10 (7.58)	119.74 (7.54)	115.29 (6.01)	116.13 (6.82)	117.34 (7.17)	114.98 (7.49)	117.17 (6.93)
16 - 30 hours	59	445.66 (25.72)	112.98 (7.49)	117.98 (7.83)	114.46 (6.69)	114.07 (7.36)	115.63 (7.35)	114.02 (7.63)	115.92 (6.80)
more than 30 hours	10	436.40 (25.16)	111.70 (8.08)	116.70 (7.64)	111.50 (7.07)	110.70 (6.68)	112.70 (7.62)	113.00 (7.16)	116.00 (6.32)

Enrollment Status

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Total Group	275	448.10 (23.94)	113.23 (7.44)	118.87 (7.53)	114.72 (6.17)	115.22 (7.01)	116.46 (7.13)	113.95 (7.47)	116.52 (6.70)
Full Time	256	447.40 (23.76)	113.02 (7.37)	118.63 (7.51)	114.63 (6.18)	115.05 (7.03)	116.29 (7.11)	113.64 (7.28)	116.36 (6.72)
Part Time	19	457.58 (24.38)	116.16 (7.85)	122.05 (7.05)	115.84 (5.97)	117.58 (6.42)	118.68 (7.02)	118.11 (8.68)	118.68 (6.10)

GPA

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Total Group	275	448.10 (23.94)	113.23 (7.44)	118.87 (7.53)	114.72 (6.17)	115.22 (7.01)	116.46 (7.13)	113.95 (7.47)	116.52 (6.70)
3.50 - 4.00	136	458.60 (21.92)	116.15 (6.84)	121.76 (6.56)	117.13 (5.70)	118.01 (6.57)	118.98 (6.70)	116.79 (7.16)	119.22 (6.01)
3.00 - 3.49	95	439.19 (21.07)	111.03 (6.54)	116.36 (7.20)	112.34 (5.71)	113.04 (6.23)	114.54 (6.65)	111.40 (6.44)	114.31 (6.19)
2.50 - 2.99	39	434.23 (21.20)	108.51 (7.18)	115.10 (7.55)	112.36 (5.67)	111.23 (6.52)	112.69 (6.45)	110.41 (7.16)	112.49 (6.31)
2.00 - 2.49	5	440.20 (21.39)	112.40 (7.91)	117.20 (7.73)	112.80 (5.23)	112.00 (5.02)	113.80 (6.97)	112.60 (6.68)	116.40 (5.57)

Transfer Status

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Total Group	275	448.10 (23.94)	113.23 (7.44)	118.87 (7.53)	114.72 (6.17)	115.22 (7.01)	116.46 (7.13)	113.95 (7.47)	116.52 (6.70)
Not a transfer	160	448.65 (22.80)	113.04 (7.43)	118.92 (7.29)	115.19 (5.64)	115.38 (6.53)	116.13 (7.14)	114.07 (7.26)	116.45 (6.69)
0 - 15 hours transferred	26	446.62 (27.04)	113.50 (8.18)	118.42 (7.56)	112.96 (7.58)	115.62 (7.77)	116.04 (7.19)	113.42 (8.29)	117.38 (6.70)
16 - 30 hours transferred	24	451.83 (25.89)	114.71 (7.50)	120.04 (8.40)	115.21 (7.11)	116.17 (7.81)	118.08 (6.99)	114.88 (7.91)	117.88 (7.53)
Over 30 hours transferred	65	445.97 (24.37)	113.06 (7.07)	118.48 (7.71)	114.06 (6.24)	114.34 (7.44)	116.85 (7.01)	113.51 (7.43)	115.83 (6.30)

Major

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Total Group	275	448.10 (23.94)	113.23 (7.44)	118.87 (7.53)	114.72 (6.17)	115.22 (7.01)	116.46 (7.13)	113.95 (7.47)	116.52 (6.70)
Accounting	7	450.43 (25.96)	112.86 (9.57)	120.00 (7.11)	114.57 (5.31)	116.14 (7.22)	115.14 (9.52)	114.86 (8.20)	118.14 (6.42)
Chemistry	6	454.67 (26.07)	115.17 (7.84)	120.00 (7.02)	115.67 (6.26)	117.83 (6.87)	118.00 (6.53)	116.83 (7.88)	116.83 (7.69)
Communications	6	461.00 (23.75)	118.33 (6.26)	122.67 (7.59)	119.00 (4.40)	115.33 (7.67)	121.67 (5.65)	118.50 (7.65)	119.33 (5.41)
Computer & Information Sciences	9	467.78 (17.04)	118.33 (5.48)	124.67 (3.56)	118.67 (4.81)	121.67 (5.27)	120.67 (4.71)	119.89 (4.63)	122.44 (5.58)
Education	15	442.00 (19.76)	111.53 (7.11)	117.47 (6.13)	112.60 (5.83)	114.27 (5.54)	114.87 (6.52)	112.20 (7.15)	115.40 (5.64)
Engineering & Engineering Technologies	14	458.50 (20.86)	115.07 (6.72)	120.29 (6.57)	115.79 (5.76)	121.43 (4.70)	117.07 (7.22)	115.21 (7.08)	118.14 (5.11)
English	4	447.75 (23.98)	112.25 (7.98)	116.50 (8.62)	115.50 (6.87)	115.25 (2.77)	114.75 (7.95)	113.75 (9.28)	114.00 (5.79)
Agriculture	4	434.50 (31.09)	108.50 (9.86)	115.75 (8.35)	110.50 (7.23)	112.25 (7.76)	113.75 (8.35)	110.75 (8.98)	111.75 (6.98)
Foreign Languages & Literature	2	427.50 (7.50)	111.00 (4.00)	116.00 (3.00)	112.00 (1.00)	102.50 (2.50)	116.00 (3.00)	109.00 (3.00)	114.00 (3.00)

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Health & Medical Sciences	39	444.87 (23.57)	113.38 (7.07)	117.72 (8.63)	113.18 (5.83)	114.54 (6.35)	116.62 (6.95)	113.15 (7.57)	115.90 (6.78)
History	2	481.50 (10.50)	123.00 (3.00)	127.50 (2.50)	125.00 (5.00)	122.50 (1.50)	124.50 (2.50)	124.50 (5.50)	124.00 (0.00)
Liberal Studies	3	429.00 (24.12)	106.00 (5.89)	112.33 (8.50)	111.33 (6.13)	112.67 (8.06)	107.00 (7.12)	113.00 (6.16)	109.00 (5.72)
Marketing	4	442.00 (11.20)	111.75 (3.34)	118.75 (4.97)	113.75 (3.90)	112.75 (3.56)	115.25 (4.92)	113.75 (3.34)	114.25 (3.27)
Mathematical Sciences	3	484.33 (6.65)	122.00 (1.41)	128.33 (1.70)	121.33 (1.25)	126.00 (2.83)	125.00 (1.63)	124.00 (1.63)	125.00 (3.74)
Music	4	449.50 (12.97)	113.75 (6.76)	120.50 (5.68)	115.00 (3.74)	114.00 (2.55)	116.00 (6.36)	115.00 (5.20)	118.25 (5.97)
Physics & Astronomy	2	467.50 (18.50)	117.00 (6.00)	118.50 (9.50)	118.00 (5.00)	128.00 (1.00)	117.00 (6.00)	117.00 (9.00)	118.00 (6.00)
Allied Health	9	451.11 (20.44)	113.78 (6.88)	121.56 (4.52)	114.33 (4.62)	115.89 (6.90)	116.44 (6.70)	115.11 (5.90)	119.00 (5.58)
Political Science	2	444.00 (13.00)	113.00 (2.00)	119.00 (6.00)	117.50 (2.50)	109.00 (5.00)	115.00 (8.00)	115.00 (3.00)	116.00 (0.00)
Psychology	16	454.44 (22.31)	115.13 (7.62)	120.69 (7.55)	115.44 (5.63)	117.13 (6.79)	119.19 (6.27)	115.13 (7.72)	118.63 (6.62)
Religion & Theology	16	447.06 (19.14)	111.75 (4.78)	117.75 (7.00)	116.25 (6.82)	115.94 (5.64)	116.75 (5.08)	111.44 (6.23)	114.75 (5.34)
Social Work	8	429.63 (20.20)	109.50 (6.42)	113.00 (8.19)	111.63 (6.48)	108.13 (3.44)	112.88 (6.53)	109.63 (7.45)	112.00 (5.92)
Sociology	3	445.67 (28.55)	115.00 (6.38)	116.33 (9.03)	113.67 (7.04)	113.67 (8.18)	116.33 (7.76)	116.00 (7.12)	114.00 (6.68)
Other A	32	443.91 (18.77)	112.28 (6.43)	119.00 (6.28)	114.28 (5.54)	112.78 (5.62)	115.63 (6.32)	113.47 (6.20)	116.09 (5.80)
Anthropology & Archeology	2	451.50 (36.50)	117.00 (8.00)	121.50 (8.50)	113.00 (8.00)	112.00 (10.00)	121.50 (5.50)	119.00 (9.00)	118.50 (11.50)
Architecture & Environmental Design	13	437.38 (17.76)	109.15 (6.60)	115.15 (5.01)	113.62 (5.65)	113.15 (5.92)	113.08 (5.99)	108.62 (4.36)	113.77 (5.06)

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Art & Art History	11	437.09 (21.00)	110.45 (6.89)	115.73 (6.14)	112.64 (4.92)	111.18 (6.97)	113.73 (6.96)	112.00 (5.74)	112.82 (5.86)
Biological Sciences	20	463.40 (20.80)	117.40 (6.82)	123.25 (5.73)	117.85 (5.28)	118.95 (5.62)	119.60 (6.70)	118.25 (7.34)	120.70 (5.49)
Business Administration	16	439.69 (26.29)	109.31 (8.04)	116.31 (7.57)	113.75 (7.42)	113.81 (7.09)	114.13 (7.45)	110.81 (6.94)	113.81 (7.63)

Major groupings are done through an ETS question

Andrews Academic Department

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Total Group	282	449.04 (23.02)	113.57 (7.12)	118.83 (7.86)	114.91 (6.09)	115.74 (7.02)	116.50 (7.18)	113.89 (7.44)	117.11 (6.84)
Actg, Econ and Finance	8	452.75 (21.58)	114.25 (7.36)	119.00 (8.19)	117.00 (4.90)	116.13 (6.77)	116.75 (6.20)	115.38 (7.58)	116.75 (6.89)
Mgmt, Mktg & Info Systems	28	442.64 (21.53)	110.96 (6.63)	115.86 (8.87)	113.71 (5.98)	115.50 (6.04)	113.89 (7.61)	111.64 (7.60)	114.71 (5.79)
Aviation	13	446.15 (16.61)	112.38 (6.36)	117.15 (6.93)	112.00 (5.48)	118.23 (5.42)	114.46 (5.51)	111.85 (6.94)	117.31 (6.12)
Agriculture	5	455.20 (24.98)	116.80 (7.22)	120.40 (8.66)	116.80 (8.30)	114.80 (4.12)	118.80 (8.30)	117.60 (6.47)	117.40 (7.63)
Behavioral Neuroscience	2	484.50 (6.50)	122.50 (1.50)	128.50 (0.50)	123.50 (0.50)	123.50 (5.50)	124.50 (1.50)	125.00 (3.00)	126.50 (3.50)
Behavioral Sciences	29	437.00 (20.00)	110.21 (7.00)	116.93 (7.68)	112.03 (5.22)	111.59 (5.90)	113.66 (6.47)	111.69 (6.68)	114.62 (7.27)
Biology	20	463.95 (17.46)	117.55 (5.24)	123.10 (5.46)	118.55 (3.49)	119.70 (5.95)	120.65 (5.02)	117.60 (5.62)	120.75 (5.99)
Chemistry & Biochem	13	468.92 (25.97)	119.08 (7.08)	123.77 (8.02)	119.38 (7.10)	122.08 (7.51)	121.69 (6.74)	119.08 (7.44)	121.85 (6.78)

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Communication	5	447.80 (22.64)	114.00 (7.21)	118.00 (8.69)	115.80 (4.87)	114.60 (8.64)	116.60 (8.26)	111.40 (7.23)	119.20 (7.41)
Engineering & Computer Sc.	26	457.58 (22.31)	115.73 (7.15)	120.62 (7.35)	114.69 (5.82)	120.69 (5.83)	117.58 (7.62)	115.62 (7.72)	119.69 (6.50)
English	3	467.33 (17.17)	117.67 (2.87)	125.67 (4.78)	123.67 (4.92)	116.67 (5.91)	121.00 (5.89)	122.00 (4.32)	119.33 (1.70)
Hist. & Pol. Science	7	448.71 (28.04)	114.00 (10.25)	119.29 (10.24)	117.14 (7.47)	111.29 (5.28)	118.29 (8.97)	114.86 (10.18)	116.29 (9.39)
Int'l Language Studies	10	449.40 (21.25)	113.50 (7.32)	120.10 (7.96)	116.20 (4.28)	113.80 (6.73)	116.10 (7.71)	115.60 (6.83)	117.70 (6.89)
Liberal Arts, Gen. Studies and Interdis. Stud.	6	432.17 (14.18)	109.33 (4.53)	112.83 (7.31)	112.33 (5.09)	111.00 (1.91)	111.67 (6.05)	110.00 (4.73)	112.17 (5.01)
Mathematics	7	449.43 (36.93)	112.86 (10.63)	114.57 (12.33)	115.00 (9.50)	119.29 (8.63)	114.57 (10.63)	113.57 (11.02)	115.00 (11.93)
Music	9	466.78 (20.65)	118.56 (6.58)	122.67 (7.57)	118.11 (5.84)	122.00 (4.90)	120.78 (6.23)	118.89 (7.68)	120.56 (6.41)
Physics	5	472.00 (31.03)	120.60 (7.34)	123.40 (8.87)	120.40 (7.63)	122.20 (9.43)	122.60 (7.00)	119.80 (9.24)	124.20 (7.65)
Religion and Biblical Languages	17	450.24 (21.88)	115.12 (6.98)	121.24 (5.50)	114.59 (5.75)	113.88 (5.32)	118.82 (5.00)	115.41 (7.33)	118.53 (7.19)
Social Work	5	433.20 (14.41)	109.80 (4.96)	117.20 (6.27)	109.20 (5.31)	110.80 (3.87)	112.20 (5.27)	113.40 (4.36)	113.80 (6.37)
Visual Art and Design	11	431.00 (16.02)	109.18 (5.57)	113.00 (8.20)	111.82 (3.83)	109.45 (3.55)	112.45 (7.13)	109.55 (6.08)	112.18 (6.16)
Architect, Constr. Mgmt and Int. Design	16	438.81 (20.76)	111.06 (5.31)	115.25 (7.14)	113.38 (6.58)	112.75 (6.63)	112.94 (6.40)	111.56 (6.03)	115.06 (5.46)
Medical Lab Sciences	7	444.57 (12.21)	112.43 (4.40)	118.71 (4.03)	113.57 (4.72)	114.71 (3.45)	114.57 (5.07)	111.71 (4.23)	117.43 (2.77)

	Number	Total Score	Critical Thinking	Reading	Writing	Math	Humanities	Social Sciences	Natural Sciences
Nursing	11	429.00 (14.47)	108.36 (4.58)	112.64 (6.06)	110.82 (4.65)	109.36 (4.90)	111.36 (5.19)	108.18 (4.51)	112.18 (4.32)
Physical Therapy	18	448.28 (19.80)	113.06 (6.32)	118.28 (7.64)	114.00 (5.09)	117.00 (6.15)	116.17 (7.81)	112.33 (6.11)	116.89 (5.22)
Public Health, Nutrition & Wellness	15	429.40 (16.86)	108.40 (5.08)	114.00 (6.12)	110.13 (5.36)	110.60 (5.96)	110.93 (5.90)	109.93 (5.27)	112.13 (4.92)
Speech-Language Pathology and Audiology	13	442.69 (19.94)	112.15 (5.83)	116.46 (7.21)	114.31 (5.73)	113.08 (5.11)	116.23 (5.71)	111.85 (7.19)	114.00 (5.45)
Teaching, Learning and Curriculum	8	452.25 (15.47)	115.00 (4.09)	120.00 (6.22)	117.00 (4.39)	114.75 (5.56)	118.25 (6.22)	113.38 (5.89)	118.38 (3.46)

Departments are designated by the students through an Andrews added question.

The mean score is presented on the top of each cell, with the standard deviation below in brackets.

Reports based on a sample of fewer than 50 test takers are representative of the performance of that sample only. Reports based on fewer than 50 test takers should not be considered representative of the larger group of like students, and inferences or generalizations about the larger population or subgroup should not be made based on such small samples.

ETS Proficiency Profile 2017-2018

Summary of Scaled Scores

To show the ability of the group taking the test

Cohort Name: Summer 2017 - Spring 2018

Student Level: All Seniors

Test Description: Standard Form B

Number of students tested: 292

Number of students included in these statistics: 282

Numbers of students excluded: 10

	Possible Range	Mean Score	95% Confidence Limits* for Mean	Standard Deviation	25th Percentile	50th Percentile	75th Percentile
Total Score	400 to 500	449.04	448 to 450	23.02	431	449	466
Skills Subscores:							
Critical Thinking	100 to 130	113.57	113 to 114	7.12	107	114	118
Reading	100 to 130	118.83	118 to 120	7.86	113	120	125
Writing	100 to 130	114.91	114 to 116	6.09	110	115	120
Mathematics	100 to 130	115.74	115 to 117	7.02	111	114	121
Context-Based Subscores:							
Humanities	100 to 130	116.50	116 to 117	7.18	111	117	122
Social Sciences	100 to 130	113.89	113 to 115	7.44	108	114	121
Natural Sciences	100 to 130	117.11	116 to 118	6.84	112	117	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 282.

Comparative Data from 2017-2018

Scores below represent Andrews compared with institutional mean scores for seniors at all institution types from July 2012 through June 2017. Total number of institutions = 246.

	Possible Range	Mean Score	95% Confidence Limits* for Mean	Standard Deviation	Percent Insti. Below	All Institutions Mean	Deviation from Mean of All Institutions
Total Score	400 to 500	449.04	450 to 453	23.02	63	447.0	2.04
Skills Subscores:							
Critical Thinking	100 to 130	113.57	114 to 115	7.12	67	112.2	1.37
Reading	100 to 130	118.83	119 to 121	7.86	33	118.7	0.13
Writing	100 to 130	114.91	115 to 116	6.09	29	114.8	0.11
Mathematics	100 to 130	115.74	115 to 116	7.02	67	114.3	1.44
Context-Based Subscores:							
Humanities	100 to 130	116.50	117 to 119	7.18	72	115.1	1.40
Social Sciences	100 to 130	113.89	114 to 116	7.44	30	113.8	0.09
Natural Sciences	100 to 130	117.11	117 to 118	6.84	73	115.9	1.21

Summary of Proficiency Classifications Reference

**Senior (More than 90 semester hours or more than 145 quarter hours)
All Institution Types, July 2013 through June 2018**

Skill Dimension and Level	Percent of Students Classified as		
	Proficient	Marginal	Not Proficient
Reading Level 1	68%	16%	15%
Reading Level 2	39%	21%	40%
Critical Thinking	5%	22%	72%
Writing Level 1	64%	25%	10%
Writing Level 2	22%	37%	41%
Writing Level 3	11%	25%	64%
Mathematics Level 1	59%	23%	18%
Mathematics Level 2	33%	25%	42%
Mathematics Level 3	9%	18%	74%
Total Number of Students: 109,882 Weighted Number of Students: 81,465*			

Proficiency Definitions

Reading/Critical Thinking

Level 1

Students who are proficient can:

- recognize factual material explicitly presented in a reading passage
- understand the meaning of particular words or phrases in the context of a reading passage

Level 2

Students who are proficient can:

- synthesize material from different sections of a passage
- recognize valid inferences derived from material in the passage
- identify accurate summaries of a passage or of significant sections of the passage
- understand and interpret figurative language
- discern the main idea, purpose or focus of a passage or a significant portion of the passage

Level 3/Critical Thinking

Students who are proficient can:

- evaluate competing causal explanations
- evaluate hypotheses for consistency with known facts
- determine the relevance of information for evaluating an argument or conclusion
- determine whether an artistic interpretation is supported by evidence contained in a work
- recognize the salient features or themes in a work of art
- evaluate the appropriateness of procedures for investigating a question of causation
- evaluate data for consistency with known facts, hypotheses or methods
- recognize flaws and inconsistencies in an argument

Writing Skills

Level 1

Students who are proficient can:

- recognize agreement among basic grammatical elements (e.g., nouns, verbs, pronouns and conjunctions)
- recognize appropriate transition words
- recognize incorrect word choice
- order sentences in a paragraph
- order elements in an outline

Level 2

Students who are proficient can:

- incorporate new material into a passage
- recognize agreement among basic grammatical elements (e.g., nouns, verbs, pronouns and conjunctions) when these elements are complicated by intervening words or phrases
- combine simple clauses into single, more complex combinations
- recast existing sentences into new syntactic combinations

Level 3

Students who are proficient can:

- discriminate between appropriate and inappropriate use of parallelism
- discriminate between appropriate and inappropriate use of idiomatic language
- recognize redundancy
- discriminate between correct and incorrect constructions
- recognize the most effective revision of a sentence

Mathematics

Level 1

Students who are proficient can:

- solve word problems that would most likely be solved by arithmetic and do not involve conversion of units or proportionality. These problems can be multistep if the steps are repeated rather than embedded
- solve problems involving the informal properties of numbers and operations, often involving the Number Line, including positive and negative numbers, whole numbers and fractions (including conversions of common fractions to percent, such as converting "1/4" to 25%)
- solve problems requiring a general understanding of square roots and the squares of numbers
- solve a simple equation or substitute numbers into an algebraic expression
- find information from a graph. This task may involve finding a specified piece of information in a graph that also contains other information

Level 2

Students who are proficient can:

- solve arithmetic problems with some complications, such as complex wording, maximizing or minimizing and embedded ratios. These problems include algebra problems that can be solved by arithmetic (the answer choices are numeric)
- simplify algebraic expressions, perform basic translations, and draw conclusions from algebraic equations and inequalities. These tasks are more complicated than solving a simple equation, though they may be approached arithmetically by substituting numbers
- interpret a trend represented in a graph, or choose a graph that reflects a trend
- solve problems involving sets; problems have numeric answer choices

Level 3

Students who are proficient can:

- solve word problems that would be unlikely to be solved by arithmetic; the answer choices are either algebraic expressions or numbers that do not lend themselves to back-solving
- solve problems involving difficult arithmetic concepts, such as exponents and roots other than squares and square roots, and percent of increase or decrease
- generalize about numbers (e.g., identify the values of (x) for which an expression increases as (x) increases)
- solve problems requiring an understanding of the properties of integers, rational numbers, etc.
- interpret a graph in which the trends are to be expressed algebraically or one of the following is involved: exponents and roots other than squares and square roots, percent of increase or decrease
- solve problems requiring insight or logical reasoning