

# ACT High School Profile Report

The Graduating Class of 2008  
Delaware





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This report provides information about the performance of your 2008 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2008 and tested under standard time conditions.

This report focuses on :

**Performance** - student test performance in the context of college readiness

**Access** - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

**Course Selection** - percent of students pursuing a core curriculum

**Course Rigor** - impact of rigorous coursework on achievement

**College Readiness** - percent of students meeting ACT College Readiness Benchmark Scores in each content area

**Awareness** - extent to which student aspirations match performance

**Articulation** - colleges and universities to which your students send test results

Each year, the graduating class data for a school, district, state, and the nation represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, state, or the nation.

Further, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

**The ACT is a curriculum-based measure of college readiness. ACT components include:**

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

**The ACT:**

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to [www.act.org](http://www.act.org)

### How to Improve Scores and Increase College Readiness

31% of 2008 graduates met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

**PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT.** 986 ACT-tested graduates are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

**MAKING CORE CURRICULUM A PRIORITY.** Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 64% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES.** Table 3.2 reports 6% of the cohort took less than three years of math courses. Of these students, 37% were college ready. 9% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 18% of these students were college ready. In comparison, 59% of the students who advanced beyond minimum core were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 5% of the cohort took less than three years of natural science courses. 26% of these students were college ready. In comparison, 37% of students who took at least three years of science coursework were college ready.

**EVALUATING RIGOR OF COURSES.** Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 34% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

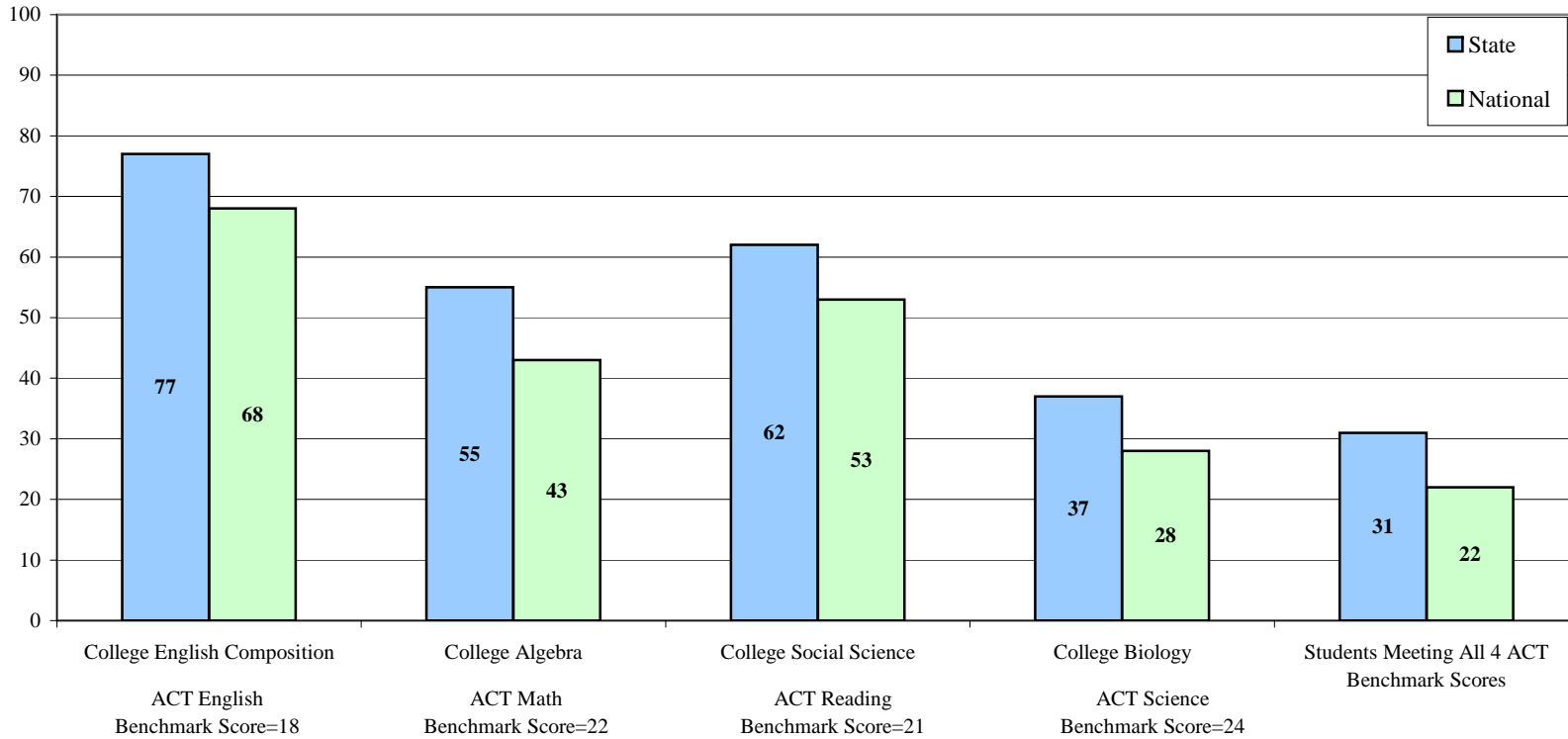
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 518-869-7378.

# Section I

## Executive Summary

**Figure 1.1. Percent of ACT-Tested Students Ready for College-Level Coursework**



**A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.**



**Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks**

Grad Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2004	415	1,171,460	69	68	46	40	57	52	29	26	24	21
2005	377	1,186,251	68	68	37	41	50	51	25	26	22	21
2006	471	1,206,455	70	69	44	42	57	53	26	27	22	21
2007	742	1,300,599	72	69	48	43	56	53	31	28	25	23
<b>2008</b>	<b>986</b>	<b>1,421,941</b>	<b>77</b>	<b>68</b>	<b>55</b>	<b>43</b>	<b>62</b>	<b>53</b>	<b>37</b>	<b>28</b>	<b>31</b>	<b>22</b>

**Table 1.2. Five Year Trends—Average ACT Scores**

Grad Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2004	415	1,171,460	20.7	20.4	21.4	20.7	22.0	21.3	21.3	20.9	21.5	20.9
2005	377	1,186,251	20.2	20.4	20.5	20.7	21.4	21.3	20.6	20.9	20.8	20.9
2006	471	1,206,455	20.7	20.6	21.3	20.8	22.1	21.4	21.0	20.9	21.4	21.1
2007	742	1,300,599	21.2	20.7	21.6	21.0	21.9	21.5	21.4	21.0	21.7	21.2
<b>2008</b>	<b>986</b>	<b>1,421,941</b>	<b>22.2</b>	<b>20.6</b>	<b>22.5</b>	<b>21.0</b>	<b>23.1</b>	<b>21.4</b>	<b>22.0</b>	<b>20.8</b>	<b>22.6</b>	<b>21.1</b>

**Table 1.3. Five Year Trends—Average ACT Scores Nationwide**

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2004	1,171,460	20.4	20.7	21.3	20.9	20.9
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
2007	1,300,599	20.7	21.0	21.5	21.0	21.2
<b>2008</b>	<b>1,421,941</b>	<b>20.6</b>	<b>21.0</b>	<b>21.4</b>	<b>20.8</b>	<b>21.1</b>

**Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation**

Grad Year	Number of Students Tested		Percent <sup>1</sup>		Average ACT Scores									
	Core or More	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2004	229	128	55	31	21.1	19.8	21.6	20.8	22.1	21.9	21.6	20.8	21.7	20.9
2005	196	132	52	35	20.9	19.5	21.1	19.8	22.3	20.4	21.2	20.0	21.5	20.1
2006	243	160	52	34	20.6	20.3	21.3	20.8	22.1	21.7	21.0	20.9	21.3	21.1
2007	351	269	47	36	21.6	20.8	22.0	21.1	22.3	21.7	21.8	20.9	22.0	21.3
<b>2008</b>	<b>629</b>	<b>272</b>	<b>64</b>	<b>28</b>	<b>22.0</b>	<b>22.2</b>	<b>22.3</b>	<b>22.3</b>	<b>22.9</b>	<b>22.8</b>	<b>21.9</b>	<b>21.6</b>	<b>22.4</b>	<b>22.3</b>

<sup>1</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**Table 1.5. Five-Year Trends—Number, Percentage, and Average Composite Score for ACT-Tested Graduates by Race/Ethnicity**

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>415</b>	<b>100</b>	<b>21.5</b>	<b>377</b>	<b>100</b>	<b>20.8</b>	<b>471</b>	<b>100</b>	<b>21.4</b>	<b>742</b>	<b>100</b>	<b>21.7</b>	<b>986</b>	<b>100</b>	<b>22.6</b>
African American/Black	88	21	17.4	97	26	17.0	98	21	17.8	120	16	17.6	128	13	18.2
American Indian/Alaska Native	0	0	.	0	0	.	2	0	20.0	2	0	17.0	2	0	29.0
Caucasian American/White	259	62	22.4	214	57	21.9	254	54	22.7	419	56	22.4	654	66	23.0
Hispanic	9	2	23.4	8	2	22.8	17	4	18.9	19	3	23.5	30	3	21.4
Asian American/Pacific Islander	17	4	23.4	15	4	22.9	20	4	23.3	29	4	23.8	49	5	24.8
Other/No Response	42	10	22.8	43	11	22.7	80	17	21.7	153	21	22.2	123	12	24.3

# Section II

# Academic Achievement

**Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages for All Students**

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
36	1	100	5	100	11	100	2	100	0	100	36
35	14	100	10	99	19	99	8	100	3	100	35
34	13	98	19	98	21	97	8	99	8	100	34
33	18	97	15	97	29	95	18	98	19	99	33
32	23	95	9	95	31	92	4	96	21	97	32
31	34	93	6	94	31	89	7	96	13	95	31
30	27	90	26	94	38	86	15	95	21	94	30
29	40	87	26	91	43	82	18	94	46	91	29
28	28	83	53	88	48	77	31	92	39	87	28
27	46	80	63	83	39	73	29	89	61	83	27
26	46	75	57	76	43	69	62	86	57	77	26
25	56	71	68	71	45	64	70	80	60	71	25
24	64	65	66	64	52	60	92	72	58	65	24
23	54	58	59	57	67	54	75	63	72	59	23
22	58	53	57	51	35	48	91	55	65	52	22
21	89	47	74	45	63	44	76	46	79	45	21
20	64	38	38	38	66	38	100	39	91	37	20
19	47	32	54	34	53	31	78	28	63	28	19
18	42	27	77	28	45	26	50	20	53	21	18
17	43	23	69	21	50	21	32	15	40	16	17
16	37	18	69	14	47	16	23	12	42	12	16
15	36	14	46	7	33	11	26	10	27	8	15
14	29	11	15	2	23	8	25	7	21	5	14
13	14	8	5	1	18	5	15	5	20	3	13
12	21	6	0	1	20	4	17	3	3	1	12
11	15	4	0	1	5	2	4	1	3	1	11
10	11	3	0	1	6	1	6	1	1	1	10
9	12	2	0	1	3	1	2	1	0	1	9
8	2	1	0	1	0	1	0	1	0	1	8
7	1	1	0	1	1	1	0	1	0	1	7
6	0	1	0	1	1	1	1	1	0	1	6
5	0	1	0	1	0	1	1	1	0	1	5
4	1	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	22.2 (6.1)		22.5 (5.2)		23.1 (6.2)		22.0 (4.9)		22.6 (5.0)		Avg (SD)

<sup>1</sup>Note: CP is the cumulative percent of students at or below a score point. Also, shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), and Subtest Score Averages for All Students**

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
18	50	100	6	100	43	100	46	100	77	100	14	100	12	100	18
17	59	95	34	99	66	96	78	95	60	92	23	99	5	99	17
16	64	89	63	96	66	89	115	87	66	86	33	96	44	98	16
15	57	82	89	90	65	82	89	76	62	79	33	93	52	94	15
14	65	77	70	81	65	76	89	67	86	73	120	90	110	89	14
13	82	70	102	73	83	69	38	58	104	64	106	77	97	77	13
12	76	62	131	63	87	61	86	54	93	54	86	67	134	68	12
11	104	54	99	50	92	52	105	45	87	44	140	58	118	54	11
10	107	44	134	40	99	42	82	34	104	36	182	44	173	42	10
9	76	33	77	26	88	32	68	26	58	25	116	25	84	24	9
8	71	25	80	18	108	24	54	19	106	19	53	13	60	16	8
7	54	18	40	10	61	13	49	14	58	8	26	8	49	10	7
6	51	12	31	6	28	6	36	9	19	3	30	5	14	5	6
5	26	7	18	3	18	4	28	5	3	1	13	2	17	3	5
4	28	4	10	1	9	2	12	2	2	1	5	1	6	2	4
3	11	2	1	1	6	1	7	1	1	1	6	1	9	1	3
2	4	1	1	1	1	1	4	1	0	1	0	1	0	1	2
1	1	1	0	1	1	1	0	1	0	1	0	1	2	1	1
Avg (SD)	11.3 (3.9)		11.4 (3.1)		11.5 (3.6)		12.1 (3.8)		12.1 (3.4)		11.2 (2.8)		11.2 (2.9)		Avg (SD)

<sup>1</sup>Note: CP is the cumulative percent of students at or below a score point.

**Table 2.3. ACT Score Quartile Values for All Students**

Quartile	English	Math	Reading	Science	Composite
Q3 (75th Percentile)	26	26	28	25	26
Q2 (50th Percentile)	22	22	23	22	22
Q1 (25th Percentile)	18	18	18	19	19

**Table 2.4. Average ACT Composite Scores by Level of Preparation by Race/Ethnicity**

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>986</b>	<b>64</b>	<b>22.4</b>	<b>22.3</b>
	African Am./Black	128	58	19.0	17.2
	Am. Indian/Alaska Native	2	50	29.0	.
	Caucasian Am./White	654	68	22.7	23.3
	Hispanic	30	63	22.1	20.5
	Asian Am./Pacific Islander	49	67	24.8	24.5
	Other/No Response	123	47	23.6	24.4
National	<b>All Students</b>	<b>1,421,941</b>	<b>61</b>	<b>22.0</b>	<b>19.5</b>
	African Am./Black	178,417	58	17.7	16.0
	Am. Indian/Alaska Native	14,380	53	20.3	17.6
	Caucasian Am./White	895,588	64	22.9	20.4
	Hispanic	114,697	60	19.6	17.4
	Asian Am./Pacific Islander	51,368	71	23.4	21.4
	Other/No Response	167,491	52	22.5	20.1

**Table 2.5. Average ACT Scores by Race/Ethnicity**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	22.2	22.5	23.1	22.0	22.6
	African Am./Black	17.4	18.4	18.6	18.0	18.2
	Am. Indian/Alaska Native	26.5	29.5	33.0	26.5	29.0
	Caucasian Am./White	22.7	22.8	23.5	22.4	23.0
	Hispanic	21.7	21.1	21.9	20.9	21.4
	Asian Am./Pacific Islander	24.0	26.3	24.2	24.0	24.8
	Other/No Response	24.1	24.1	25.5	23.1	24.3
National	<b>All Students</b>	20.6	21.0	21.4	20.8	21.1
	African Am./Black	16.1	17.0	17.0	17.2	16.9
	Am. Indian/Alaska Native	18.1	18.8	19.6	19.2	19.0
	Caucasian Am./White	21.7	21.8	22.5	21.7	22.1
	Hispanic	17.7	19.0	18.9	18.7	18.7
	Asian Am./Pacific Islander	22.1	24.1	22.4	22.3	22.9
	Other/No Response	21.2	21.7	22.1	21.2	21.7

**Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges**

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	46	5	49	5	80	8	36	4
	28 to 32	152	15	120	12	191	19	75	8
	24 to 27	212	22	254	26	179	18	253	26
	20 to 23	265	27	228	23	231	23	342	35
	16 to 19	169	17	269	27	195	20	183	19
	13 to 15	79	8	66	7	74	8	66	7
	01 to 12	63	6	0	0	36	4	31	3
National	33 to 36	52,735	4	40,359	3	63,798	4	26,499	2
	28 to 32	146,337	10	138,694	10	203,096	14	89,946	6
	24 to 27	237,950	17	283,854	20	231,039	16	281,932	20
	20 to 23	383,117	27	294,322	21	343,326	24	474,554	33
	16 to 19	293,110	21	466,291	33	312,300	22	359,785	25
	13 to 15	175,652	12	188,580	13	191,145	13	121,336	9
	01 to 12	133,040	9	9,841	1	77,237	5	67,889	5

**Table 2.7. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	439	45	21.5	23.0	22.6	22.4	22.5
	Females	525	53	22.7	22.0	23.3	21.5	22.5
	Missing	22	2	25.4	25.6	27.3	24.5	25.9
National	Males	625,887	44	20.1	21.6	21.2	21.3	21.2
	Females	764,282	54	21.0	20.4	21.5	20.4	21.0
	Missing	31,772	2	22.8	23.3	23.6	22.4	23.1

**Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender**

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	75	58	60	40	33
	Females	79	51	63	34	28
National	Males	65	47	51	32	26
	Females	70	38	53	24	19

**Table 2.9. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Overall High School Curriculum**

Student Group	Curriculum Taken <sup>2</sup>	N	English		Mathematics		Reading		Science		Composite <sup>1</sup>	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg
State	Core	629	78	22.0	53	22.3	61	22.9	36	21.9	30	22.4
	Non-Core	272	76	22.2	54	22.3	61	22.8	36	21.6	31	22.3
	Missing	85	82	24.2	69	24.9	75	25.4	44	23.2	42	24.6
National	Core	873,743	75	21.6	50	21.9	59	22.3	33	21.6	27	22.0
	Non-Core	431,748	56	18.8	29	19.3	41	19.9	18	19.4	14	19.5
	Missing	116,450	62	19.9	42	20.8	48	20.8	27	20.3	23	20.6

<sup>1</sup>% under Composite heading reflects the percent of students who meet all four benchmarks

<sup>2</sup>"Curriculum Taken" reflects overall high school curriculum.

For instance, "Core" results correspond to students taking four years of English AND three years each of math, social studies, and natural science.

**Table 2.10. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Content-Specific Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core	860	77	22.0	855	54	22.5	698	60	22.8	855	37	21.9
	Non-Core	54	80	22.2	54	39	19.8	208	64	23.3	52	27	20.2
	Missing	72	85	24.6	77	69	25.2	80	75	25.5	79	46	23.5
National	Core	1,216,115	70	20.8	1,192,135	46	21.4	1,137,832	54	21.6	1,063,049	32	21.4
	Non-Core	111,558	57	18.8	124,104	14	17.4	183,026	45	20.4	253,561	13	18.7
	Missing	94,268	64	20.2	105,702	42	20.8	101,083	50	21.1	105,331	28	20.5

<sup>1</sup>"Curriculum Taken" reflects content-specific curriculum.

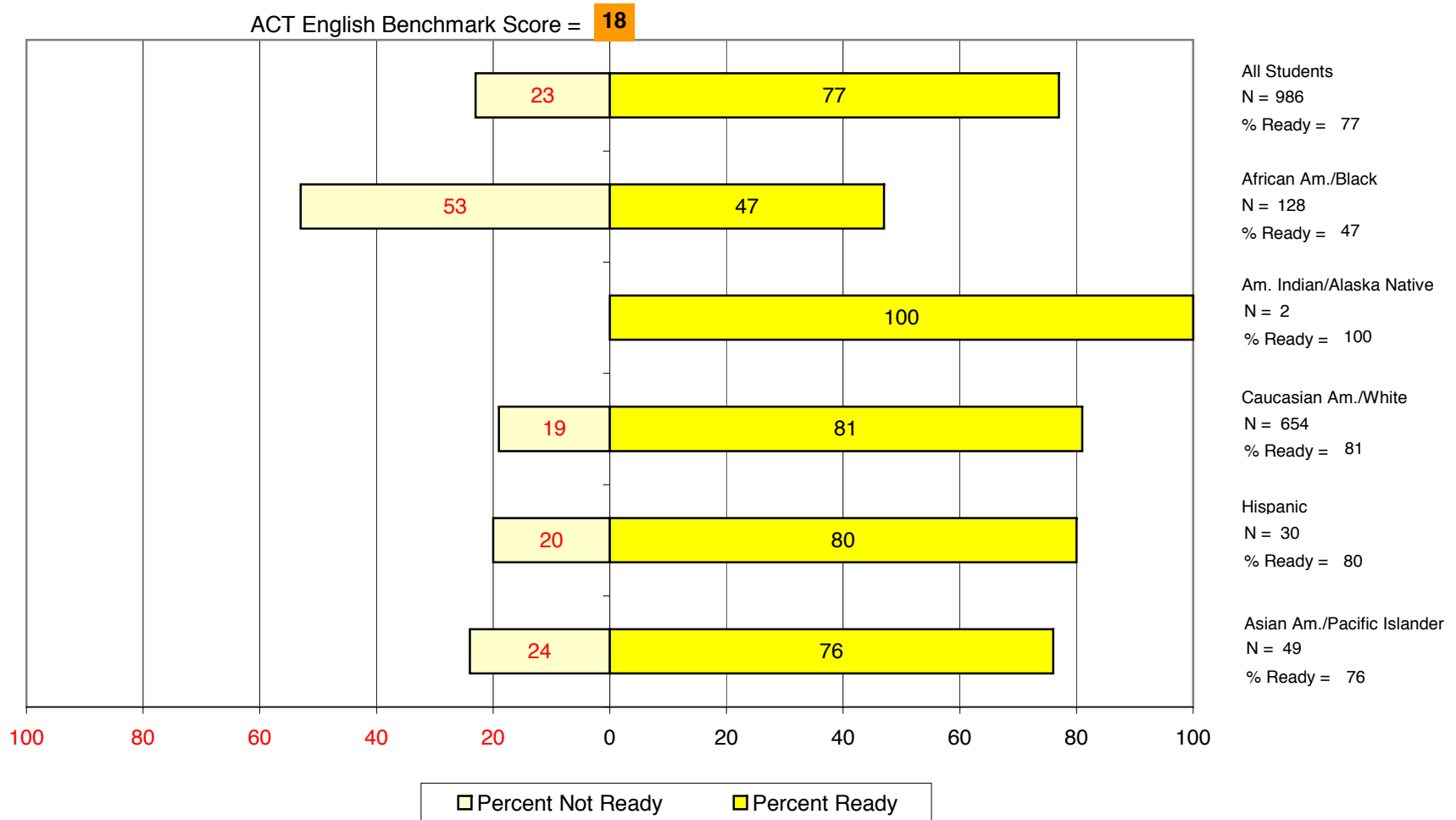
For instance, Reading "Core" results correspond to students taking three or more years each of social studies, regardless of courses taken in other content areas.



# Section III

## College Readiness and the Impact of Course Rigor

Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH



**Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS**

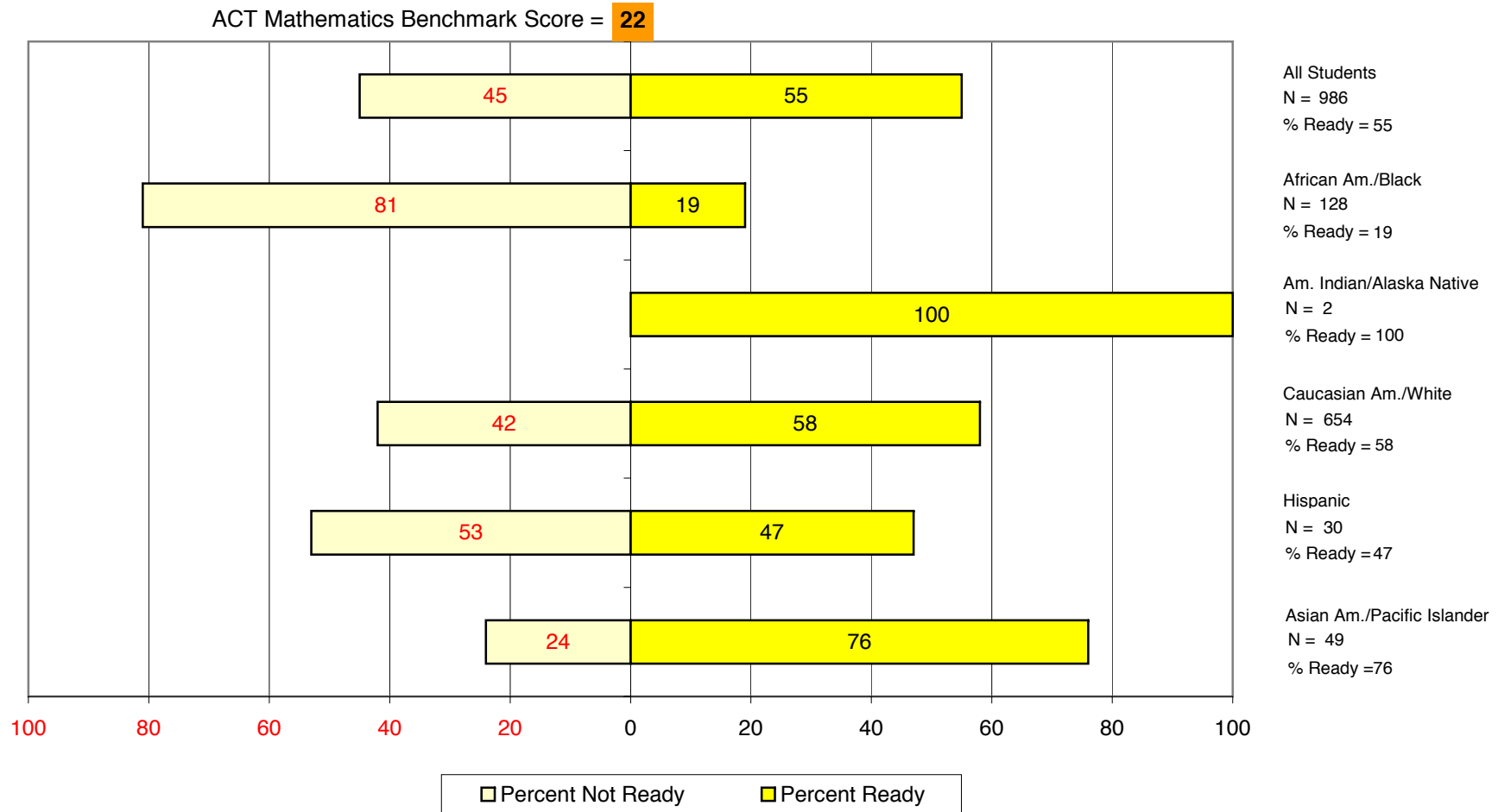


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

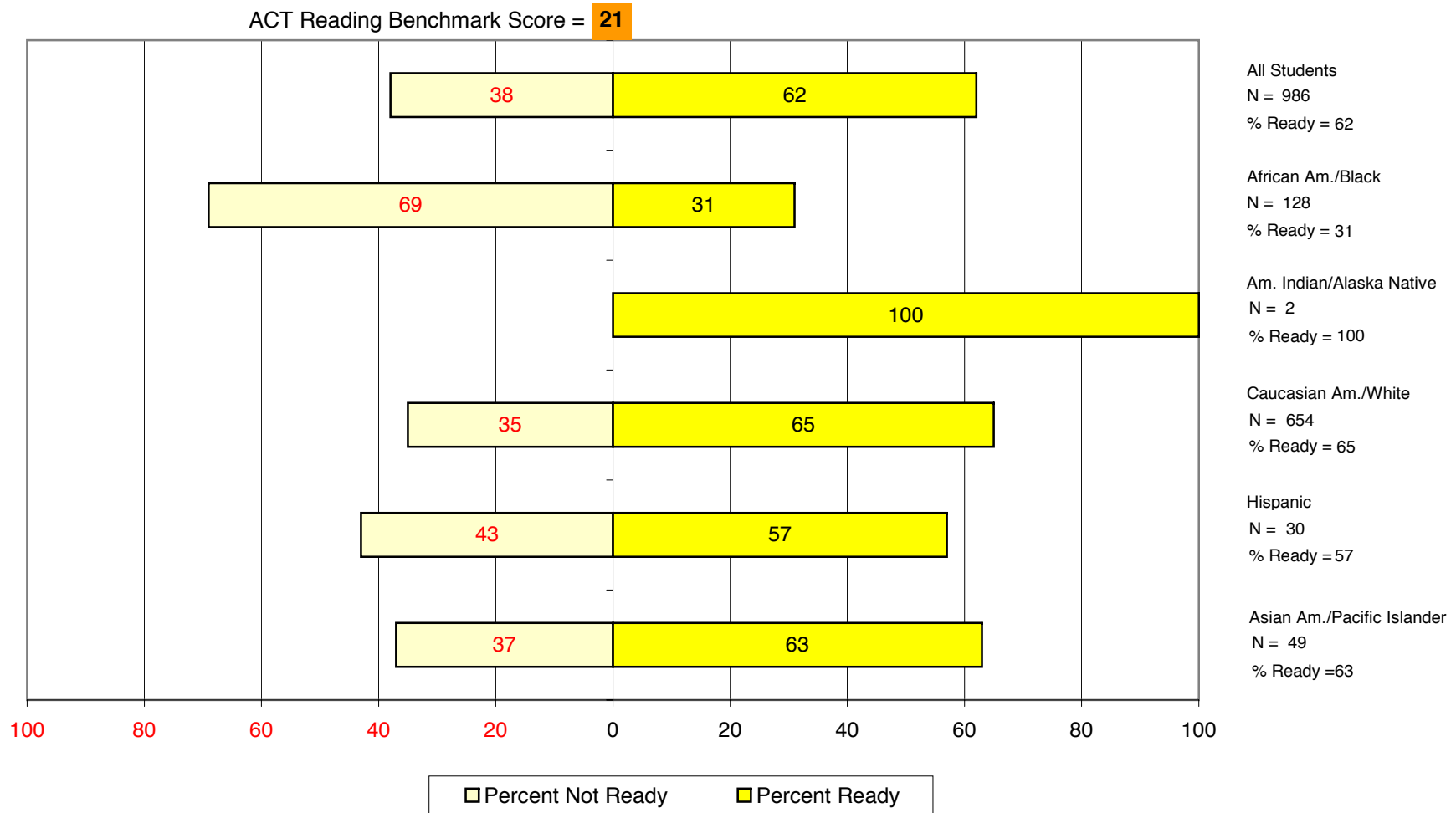


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

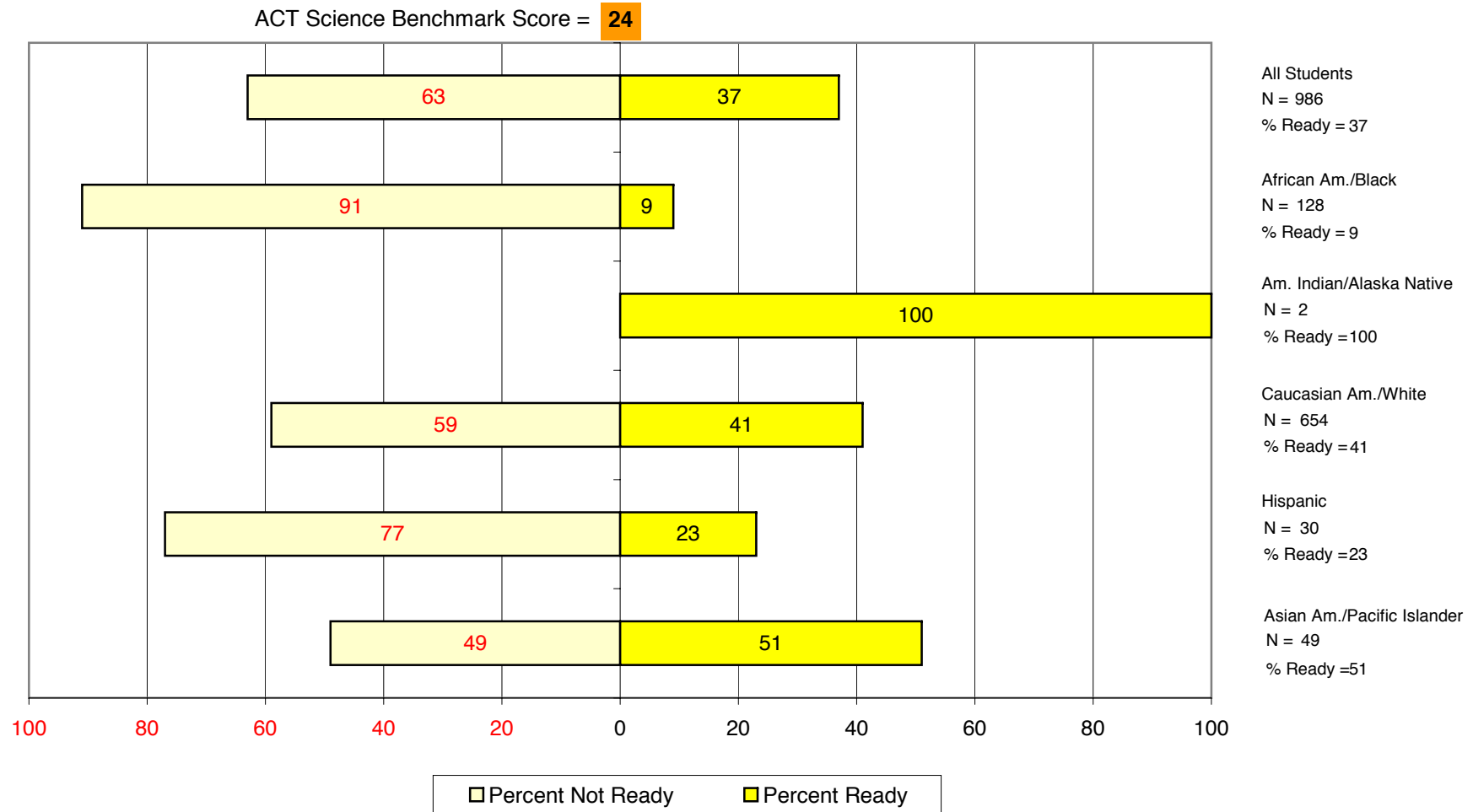
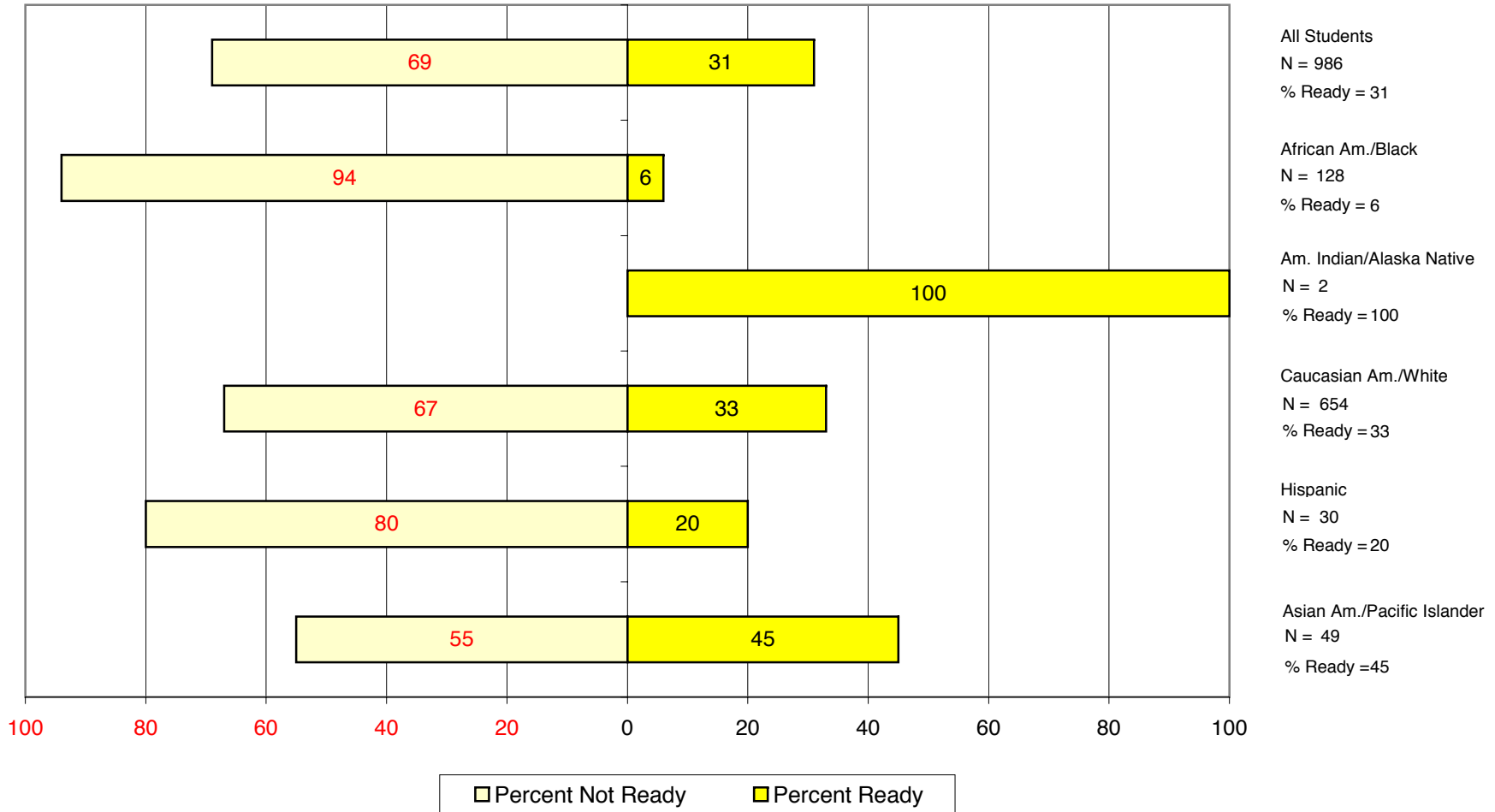


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns**

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	148	15	24.0	1.8	57	13	23.0	0.6	89	17	24.4	2.4
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	712	72	21.6	-0.6	318	72	20.9	-1.5	390	74	22.2	0.2
Less than 4 years of English	55	6	22.2	-	28	6	22.4	-	24	5	22.0	-
No English course/grade information reported	71	7	24.6	-	36	8	23.7	-	22	4	25.5	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	107	11	23.9	4.1	41	9	24.9	3.8	65	12	23.1	5.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	110	11	22.1	2.3	45	10	22.7	1.6	63	12	21.7	3.6
Alg 1, Alg 2, Geom, & Trig	55	6	20.1	0.3	28	6	20.0	-1.1	26	5	19.9	1.8
Alg 1, Alg 2, Geom, & Other Adv Math	127	13	20.6	0.8	58	13	21.2	0.1	69	13	20.2	2.1
Other comb of 4 or more years of Math	304	31	24.4	4.6	136	31	24.9	3.8	166	32	24.0	5.9
Alg 1, Alg 2, & Geom (Min. Core)	91	9	18.2	-1.6	36	8	17.8	-3.3	55	10	18.4	0.3
Other comb of 3 or 3.5 years of Math	61	6	23.2	3.4	29	7	23.6	2.5	32	6	22.8	4.7
Less than 3 years of Math	59	6	19.8	-	29	7	21.1	-	27	5	18.1	-
No Math course/grade information reported	72	7	25.6	-	37	8	26.1	-	22	4	24.3	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	57	6	22.5	-0.8	35	8	21.6	-0.7	22	4	23.8	0.1
Other comb of 4 or more years Social Science	289	29	22.4	-0.9	126	29	22.4	0.1	162	31	22.4	-1.3
US Hist, World Hist, & Am Gov (Min. Core)	63	6	23.2	-0.1	34	8	22.5	0.2	28	5	23.9	0.2
Other comb of 3 or 3.5 years of Social Science	289	29	23.1	-0.2	130	30	22.6	0.3	156	30	23.4	-0.3
Less than 3 years of Social Science	211	21	23.3	-	74	17	22.3	-	133	25	23.7	-
No Soc Sci course/grade information reported	77	8	25.7	-	40	9	25.2	-	24	5	25.8	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	527	53	22.4	2.4	237	54	23.1	2.9	285	54	21.9	2.3
Bio, Chem, Phys	106	11	23.1	3.1	50	11	23.2	3.0	55	10	23.0	3.4
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	202	20	20.1	0.1	81	18	19.9	-0.3	120	23	20.2	0.6
Other comb of 3 years of Natural Science	20	2	20.5	0.5	12	3	20.6	0.4	8	2	20.4	0.8
Less than 3 years of Natural Science	54	5	20.0	-	21	5	20.2	-	31	6	19.6	-
No Nat Sci course/grade information reported	77	8	23.7	-	38	9	23.9	-	26	5	23.0	-

<sup>1</sup>Course value added is defined as the average ACT score change compared to a less than core course sequence.

<sup>2</sup>Includes General, Physical and Earth Sciences.

**Table 3.2. College Readiness Percents by Common Course Patterns**

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	148	15	24.0	83	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	712	72	21.6	75	949,721	67	20.5	68
Less than 4 years of English	55	6	22.2	80	112,496	8	18.8	56
No English course/grade information reported	71	7	24.6	85	93,330	7	20.2	64
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	107	11	23.9	68	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	110	11	22.1	54	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	55	6	20.1	29	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	127	13	20.6	41	204,909	14	20.4	38
Other comb of 4 or more years of Math	304	31	24.4	69	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	91	9	18.2	18	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	61	6	23.2	64	70,951	5	20.8	41
Less than 3 years of Math	59	6	19.8	37	131,252	9	17.4	14
No Math course/grade information reported	72	7	25.6	72	98,554	7	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	57	6	22.5	67	42,546	3	22.7	61
Other comb of 4 or more years Social Science	289	29	22.4	57	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	63	6	23.2	54	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	289	29	23.1	64	404,731	28	21.3	52
Less than 3 years of Social Science	211	21	23.3	64	185,561	13	20.4	45
No Soc Sci course/grade information reported	77	8	25.7	77	98,548	7	21.1	50
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	527	53	22.4	40	453,654	32	22.2	38
Bio, Chem, Phys	106	11	23.1	49	134,033	9	23.2	47
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	202	20	20.1	23	435,183	31	20.1	20
Other comb of 3 years of Natural Science	20	2	20.5	25	40,179	3	20.1	22
Less than 3 years of Natural Science	54	5	20.0	26	259,142	18	18.7	13
No Nat Sci course/grade information reported	77	8	23.7	47	99,750	7	20.6	29

<sup>1</sup>Includes General, Physical and Earth Sciences.



# Section IV

## Career and Educational Aspirations

**Table 4.1. Distribution of Planned Educational Majors for All Students and by College Plans**

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture Sciences & Technologies	17	2	22.4	0	0	.	15	2	22.0
Architecture & Environmental Design	19	2	22.8	0	0	.	17	2	23.4
Business & Management	107	11	21.4	1	10	14.0	98	12	21.2
Business & Office	5	1	18.0	0	0	.	3	0	17.7
Marketing & Distribution	12	1	22.5	0	0	.	9	1	22.2
Communications & Comm. Technologies	38	4	21.7	2	20	18.5	35	4	21.7
Community & Personal Services	16	2	20.2	0	0	.	16	2	20.2
Computer & Information Sciences	15	2	23.0	0	0	.	12	1	23.0
Cross-Disciplinary Studies	2	0	25.0	1	10	20.0	1	0	30.0
Education	50	5	21.4	0	0	.	48	6	21.2
Teacher Education	23	2	19.4	0	0	.	22	3	19.4
Engineering	48	5	25.4	0	0	.	44	5	25.4
Engineering-Related Technologies	21	2	23.1	0	0	.	21	3	23.1
Foreign Languages	7	1	23.6	0	0	.	5	1	22.4
Health Sciences & Allied Health Fields	127	13	21.2	2	20	20.0	120	15	21.3
Human, Family & Consumer Science	7	1	20.0	0	0	.	7	1	20.0
Letters	9	1	24.4	0	0	.	7	1	23.6
Mathematics	10	1	25.2	0	0	.	9	1	25.4
Philosophy, Religion & Theology	2	0	19.0	0	0	.	1	0	24.0
Sciences (Biological & Physical)	91	9	23.6	0	0	.	89	11	23.5
Social Sciences	80	8	22.2	0	0	.	74	9	22.2
Trade & Industrial	0	0	.	0	0	.	0	0	.
Visual & Performing Arts	28	3	23.4	2	20	15.5	22	3	23.5
Undecided	121	12	22.5	2	20	16.0	102	13	22.6
No Response	131	13	24.7	0	0	.	39	5	23.6

<sup>1</sup>2-Year and 4-Year N's do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N for *All Students*.

<sup>2</sup>Percent of students tested.

**Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations**

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African-Am./ Black		Am. Indian/ Alaska Native		Caucasian-Am./ White		Hispanic		Asian-Am./ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	2	17.0	1	14.0	0	.	0	.	0	.	1	20.0	0	.
2-yr College Degree	8	17.5	1	13.0	0	.	6	18.2	0	.	0	.	1	18.0
Bachelors Degree	299	20.7	42	17.3	0	.	226	21.2	6	19.7	6	18.2	19	22.2
Graduate Study	253	22.8	27	18.4	1	29.0	179	23.3	7	21.7	10	24.2	29	23.3
Prof. Level Degree	264	23.7	44	19.6	0	.	140	24.2	15	22.0	28	25.7	37	25.6
Other	9	21.1	1	16.0	0	.	8	21.8	0	.	0	.	0	.
No Response	151	24.5	12	16.8	1	29.0	95	24.9	2	21.5	4	31.5	37	25.2

**Table 4.3. Students' Score Report Preferences at Time of Testing**

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF DELAWARE	Delaware	270	129	141	0	3	20	35	29	12	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	58	19	39	0	2	14	26	38	16	5
UNIVERSITY OF MARYLAND COLLEGE PARK	Maryland	41	4	37	0	12	17	29	15	20	7
DELAWARE STATE UNIVERSITY	Delaware	36	17	19	6	31	28	25	8	3	0
WEST CHESTER UNIVERSITY OF PENNSYLVANIA	Pennsylvania	33	2	31	0	0	30	52	18	0	0
NCAA ELIGIBILITY CENTER	Indiana	32	13	19	0	9	25	41	16	9	0
WESLEY COLLEGE	Delaware	29	8	21	3	24	41	21	7	3	0
TOWSON UNIVERSITY	Maryland	25	5	20	0	4	24	60	12	0	0
WEST VIRGINIA UNIVERSITY	West Virginia	25	4	21	0	4	28	52	16	0	0
DREXEL UNIVERSITY	Pennsylvania	24	5	19	4	0	17	33	42	4	0
VIRGINIA TECH	Virginia	24	2	22	0	4	0	42	42	13	0
HOWARD UNIVERSITY	District of Columbia	23	4	19	0	9	43	35	13	0	0
UNIV OF NORTH CAROLINA AT WILMINGTON	North Carolina	23	5	18	0	0	22	48	30	0	0
DELAWARE TECH & COMM COLL-TERRY CAMPUS	Delaware	22	4	18	0	18	55	23	5	0	0
TEMPLE UNIVERSITY	Pennsylvania	22	5	17	0	5	32	41	14	9	0
SALISBURY UNIVERSITY	Maryland	21	3	18	5	0	29	33	19	14	0
VILLANOVA UNIVERSITY	Pennsylvania	21	6	15	0	0	5	19	43	33	0
YORK COLLEGE OF PENNSYLVANIA	Pennsylvania	21	4	17	0	0	14	57	29	0	0
UNIVERSITY OF PITTSBURGH	Pennsylvania	20	6	14	0	0	15	35	20	25	5
DELAWARE TECH & COMM COLL-STANTON/WILM	Delaware	19	5	14	11	11	32	37	11	0	0
UNIVERSITY OF PENNSYLVANIA	Pennsylvania	18	6	12	0	0	6	6	22	44	22
WILMINGTON COLLEGE	Delaware	18	2	16	11	28	17	44	0	0	0
COLLEGE OF WILLIAM AND MARY	Virginia	17	4	13	0	0	0	29	47	24	0
HAMPTON UNIVERSITY	Virginia	15	8	7	0	13	40	27	13	7	0
SAINT JOSEPH'S UNIVERSITY	Pennsylvania	15	2	13	0	0	0	53	40	7	0
JAMES MADISON UNIVERSITY	Virginia	14	2	12	0	0	7	43	43	7	0
UNITED STATES NAVAL ACADEMY	Maryland	14	6	8	0	0	14	50	29	7	0
UNIV OF VIRGINIA-MAIN CAMPUS	Virginia	14	2	12	0	0	0	21	50	14	14
BOSTON COLLEGE	Massachusetts	13	3	10	0	0	0	38	31	31	0
LIBERTY UNIVERSITY	Virginia	13	7	6	0	15	23	31	8	23	0
All Other Institutions		1,091	278	813	1	8	17	30	28	13	3
<b>Total</b>		<b>2,031</b>	<b>570</b>	<b>1,461</b>	<b>1</b>	<b>7</b>	<b>19</b>	<b>33</b>	<b>26</b>	<b>12</b>	<b>2</b>

# Section V

## Optional Writing Test Results

**Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing**

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
			State	National	State	National	State	National
<b>All Students</b>	<b>713</b>	<b>770,529</b>	<b>22.9</b>	<b>21.4</b>	<b>7.9</b>	<b>7.3</b>	<b>22.6</b>	<b>20.9</b>
African Am./Black	84	86,049	17.8	16.6	7.2	6.5	18.2	16.6
Am. Indian/Alaska Native	1	5,148	25.0	18.9	10.0	6.7	26.0	18.5
Caucasian Am./White	474	464,177	23.2	22.5	8.0	7.4	22.9	21.8
Hispanic	21	71,060	22.5	18.3	7.8	7.1	22.1	18.5
Asian Am./Pacific Islander	44	37,359	25.0	23.1	7.9	7.9	24.1	22.6
Other/No Response	89	106,736	25.1	22.2	8.3	7.5	24.6	21.7
Males	302	327,613	22.0	20.9	7.6	7.0	21.6	20.2
Females	395	421,968	23.5	21.7	8.1	7.6	23.2	21.3
Missing	16	20,948	26.9	23.9	8.5	7.9	26.1	23.2



