

# ACT High School Profile Report

The Graduating Class of 2006  
Wisconsin





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This report provides information about the performance of your 2006 graduating seniors who took the ACT as sophomores, juniors, or seniors.

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** - college 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: A Test Like No Other**

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

28% of 2006 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.** 44,275 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. 57% 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 9% of the cohort took less than three years of math courses. Of these students, 25% were college ready. 16% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 22% of these students were college ready. In comparison, 63% 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 13% of the cohort took less than three years of natural science courses. 19% of these students were college ready. In comparison, 38% of students who took at least three years of science coursework were college ready.

**EVALUATING RIGOR OF COURSES.** Table 2.4 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 35% 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).

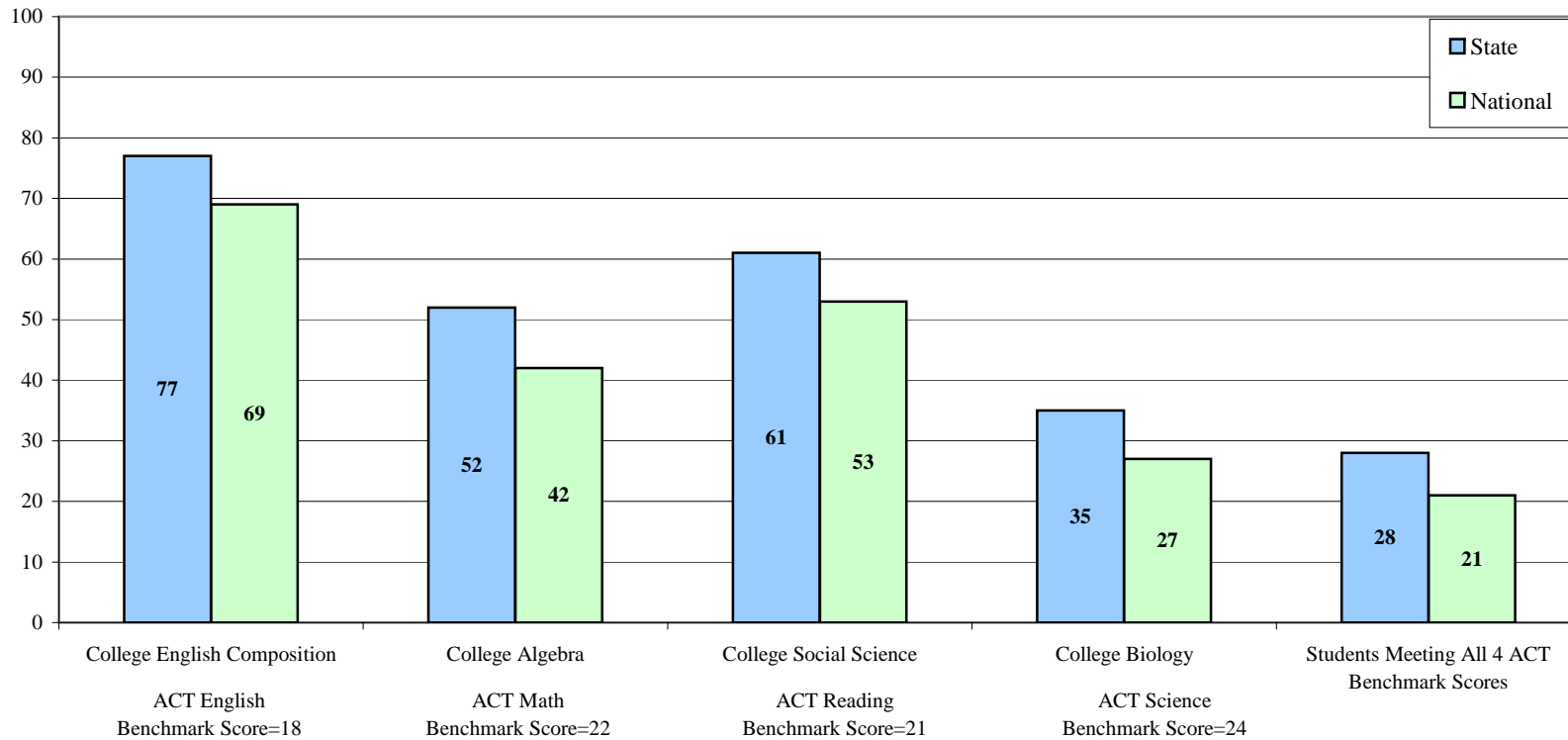
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic 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 847-634-2560.

# 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 courses.



**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
2002	43,458	1,116,082	76	67	53	39	62	53	35	26	28	20
2003	45,669	1,175,059	76	67	52	40	61	52	35	26	28	20
2004	45,480	1,171,460	77	68	53	40	61	52	36	26	29	21
2005	45,700	1,186,251	76	68	52	41	60	51	36	26	28	21
<b>2006</b>	<b>44,275</b>	<b>1,206,455</b>	<b>77</b>	<b>69</b>	<b>52</b>	<b>42</b>	<b>61</b>	<b>53</b>	<b>35</b>	<b>27</b>	<b>28</b>	<b>21</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
2002	43,458	1,116,082	21.3	20.2	22.2	20.6	22.4	21.1	22.3	20.8	22.2	20.8
2003	45,669	1,175,059	21.3	20.3	22.1	20.6	22.4	21.2	22.3	20.8	22.2	20.8
2004	45,480	1,171,460	21.5	20.4	22.1	20.7	22.5	21.3	22.2	20.9	22.2	20.9
2005	45,700	1,186,251	21.5	20.4	22.0	20.7	22.4	21.3	22.3	20.9	22.2	20.9
<b>2006</b>	<b>44,275</b>	<b>1,206,455</b>	<b>21.5</b>	<b>20.6</b>	<b>22.0</b>	<b>20.8</b>	<b>22.4</b>	<b>21.4</b>	<b>22.2</b>	<b>20.9</b>	<b>22.2</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
2002	1,116,082	20.2	20.6	21.1	20.8	20.8
2003	1,175,059	20.3	20.6	21.2	20.8	20.8
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
<b>2006</b>	<b>1,206,455</b>	<b>20.6</b>	<b>20.8</b>	<b>21.4</b>	<b>20.9</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									
					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	Core or More	Less than Core	Core or More	Less than Core
2002	26,249	15,722	60	36	22.1	19.9	23.1	20.8	23.1	21.1	22.9	21.3	22.9	20.9
2003	27,869	15,822	61	35	22.1	20.0	22.9	20.8	23.1	21.2	22.9	21.3	22.9	20.9
2004	27,396	15,610	60	34	22.3	20.1	22.9	20.7	23.2	21.3	22.8	21.2	22.9	21.0
2005	27,159	15,492	59	34	22.3	20.1	22.8	20.7	23.1	21.1	22.9	21.2	22.9	20.9
<b>2006</b>	<b>25,180</b>	<b>15,038</b>	<b>57</b>	<b>34</b>	<b>22.3</b>	<b>20.1</b>	<b>22.8</b>	<b>20.8</b>	<b>23.1</b>	<b>21.3</b>	<b>22.8</b>	<b>21.3</b>	<b>22.9</b>	<b>21.0</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**

	2002			2003			2004			2005			2006		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>43,458</b>	<b>100</b>	<b>22.2</b>	<b>45,669</b>	<b>100</b>	<b>22.2</b>	<b>45,480</b>	<b>100</b>	<b>22.2</b>	<b>45,700</b>	<b>100</b>	<b>22.2</b>	<b>44,275</b>	<b>100</b>	<b>22.2</b>
African American/Black	1,381	3	17.2	1,539	3	17.1	1,652	4	17.2	1,876	4	16.9	1,884	4	17.0
American Indian/Alaskan Native	241	1	19.9	292	1	20.2	304	1	20.2	318	1	20.4	323	1	20.1
Caucasian American/White	37,121	85	22.5	38,782	85	22.5	38,095	84	22.6	37,867	83	22.6	35,718	81	22.6
Hispanic	864	2	19.7	982	2	19.3	1,035	2	19.7	1,061	2	19.6	1,147	3	19.6
Asian American/Pacific Islander	1,313	3	20.0	1,396	3	20.1	1,483	3	20.3	1,409	3	20.1	1,465	3	20.4
Other/No Response	2,538	6	22.2	2,678	6	22.1	2,911	6	22.5	3,169	7	22.5	3,738	8	22.2

# 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	66	100	89	100	246	100	93	100	6	100	36
35	341	100	182	100	456	99	229	100	88	100	35
34	516	99	388	99	840	98	245	99	173	100	34
33	440	98	290	99	769	97	263	99	282	99	33
32	564	97	378	98	596	95	508	98	433	99	32
31	648	96	596	97	1,048	93	485	97	665	98	31
30	848	94	934	96	1,243	91	291	96	957	96	30
29	1,435	92	1,257	94	1,672	88	864	95	1,182	94	29
28	1,667	89	1,587	91	1,547	84	1,353	93	1,636	91	28
27	1,412	85	2,444	87	2,675	81	1,447	90	2,150	88	27
26	2,041	82	2,885	82	1,936	75	3,270	87	2,515	83	26
25	2,851	77	3,247	75	2,448	71	2,978	80	2,946	77	25
24	2,298	71	3,341	68	2,825	65	3,653	73	3,319	71	24
23	2,707	66	2,868	60	2,958	59	4,353	65	3,699	63	23
22	3,206	60	2,414	54	2,865	52	4,330	55	3,832	55	22
21	3,631	52	2,878	48	2,941	46	4,361	45	3,905	46	21
20	3,774	44	2,911	42	2,528	39	4,529	35	3,665	37	20
19	2,838	36	2,749	35	3,165	33	3,701	25	3,305	29	19
18	2,638	29	3,256	29	1,987	26	2,544	17	2,861	21	18
17	2,046	23	3,477	22	2,373	22	1,734	11	2,317	15	17
16	2,261	19	2,956	14	1,897	16	1,007	7	1,762	10	16
15	1,884	14	1,691	7	1,393	12	739	5	1,182	6	15
14	1,490	9	986	3	1,695	9	474	3	716	3	14
13	703	6	314	1	969	5	327	2	426	2	13
12	592	4	118	1	734	3	207	1	181	1	12
11	471	3	21	1	332	1	149	1	49	1	11
10	383	2	8	1	73	1	75	1	17	1	10
9	250	1	8	1	37	1	44	1	5	1	9
8	194	1	1	1	15	1	12	1	1	1	8
7	67	1	1	1	6	1	7	1	0	1	7
6	11	1	0	1	1	1	1	1	0	1	6
5	1	1	0	1	4	1	2	1	0	1	5
4	0	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	1	1	0	1	0	1	2
1	1	1	0	1	0	1	0	1	0	1	1
Average	21.5		22.0		22.4		22.2		22.2		Average

<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	1,189	100	299	100	679	100	1,298	100	1,411	100	366	100	442	100	18
17	1,787	97	1,039	99	2,506	98	2,189	97	1,700	97	754	99	467	99	17
16	1,962	93	1,641	97	2,488	93	2,778	92	3,035	93	742	97	1,212	98	16
15	2,383	89	3,170	93	3,591	87	3,317	86	2,932	86	2,041	96	2,967	95	15
14	3,658	83	4,075	86	3,183	79	3,468	78	3,416	79	4,568	91	4,256	89	14
13	2,412	75	4,337	77	4,326	72	3,879	71	5,405	72	3,282	81	6,037	79	13
12	4,217	70	4,674	67	4,973	62	4,377	62	5,726	60	7,485	73	5,348	65	12
11	4,529	60	6,489	57	5,344	51	3,898	52	3,628	47	5,729	57	5,061	53	11
10	5,952	50	5,576	42	4,019	39	4,829	43	4,194	38	6,852	44	7,910	42	10
9	4,084	37	5,353	29	4,610	30	4,122	32	3,512	29	6,452	28	3,760	24	9
8	3,897	27	3,270	17	3,963	19	2,967	23	4,431	21	2,681	14	2,808	15	8
7	3,174	19	1,959	10	1,917	10	2,619	16	3,160	11	731	8	1,847	9	7
6	2,360	11	1,105	5	1,552	6	2,540	10	1,178	4	1,239	6	1,176	5	6
5	1,267	6	833	3	609	3	1,234	5	316	1	853	3	175	2	5
4	960	3	324	1	247	1	574	2	152	1	168	1	535	2	4
3	327	1	111	1	203	1	127	1	53	1	270	1	46	1	3
2	111	1	19	1	50	1	55	1	24	1	16	1	187	1	2
1	6	1	1	1	15	1	4	1	2	1	46	1	41	1	1
Average	10.8		11.2		11.5		11.3		11.6		11.0		11.2		Average

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

**Table 2.3. 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	All Students	44,275	57	22.9	21.0
	African Am./Black	1,884	47	17.4	16.7
	Am. Indian/Alaskan Native	323	50	20.7	19.2
	Caucasian Am./White	35,718	59	23.3	21.5
	Hispanic	1,147	50	20.5	18.6
	Asian Am./Pacific Islander	1,465	58	20.9	19.2
	Other/No Response	3,738	46	23.1	21.0
National	All Students	1,206,455	54	22.0	19.7
	African Am./Black	139,118	53	17.8	16.2
	Am. Indian/Alaskan Native	13,635	48	20.2	17.5
	Caucasian Am./White	760,084	56	22.9	20.6
	Hispanic	85,796	52	19.5	17.6
	Asian Am./Pacific Islander	39,867	60	22.9	21.1
	Other/No Response	167,955	41	22.2	19.8

**Table 2.4. 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	1,363	3	949	2	2,311	5	830	2
	28 to 32	5,162	12	4,752	11	6,106	14	3,501	8
	24 to 27	8,602	19	11,917	27	9,884	22	11,348	26
	20 to 23	13,318	30	11,071	25	11,292	26	17,573	40
	16 to 19	9,783	22	12,438	28	9,422	21	8,986	20
	13 to 15	4,077	9	2,991	7	4,057	9	1,540	3
	01 to 12	1,970	4	157	0	1,203	3	497	1
National	33 to 36	35,933	3	24,395	2	56,816	5	18,798	2
	28 to 32	126,394	10	103,455	9	150,082	12	67,815	6
	24 to 27	205,310	17	250,510	21	224,470	19	238,007	20
	20 to 23	321,306	27	264,179	22	280,741	23	419,135	35
	16 to 19	267,738	22	399,519	33	269,040	22	326,445	27
	13 to 15	149,825	12	154,528	13	156,903	13	90,944	8
	01 to 12	99,949	8	9,869	1	68,403	6	45,311	4

**Table 2.5. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	19,418	44	21.2	23.0	22.2	23.1	22.5
	Females	23,952	54	21.8	21.3	22.6	21.6	21.9
	Missing	905	2	20.4	21.1	21.4	21.3	21.2
National	Males	517,563	43	20.1	21.5	21.1	21.4	21.2
	Females	646,688	54	21.0	20.3	21.6	20.5	21.0
	Missing	42,204	3	20.6	21.1	21.6	20.8	21.1

**Table 2.6. Percent of Students Meeting College Readiness Benchmark Scores by Gender**

Student Group	Gender	Percent of Students				Meet
		English	Math	Reading	Science	All Four
State	Males	75	60	60	44	34
	Females	78	46	63	29	23
National	Males	66	47	51	32	25
	Females	71	37	55	23	18

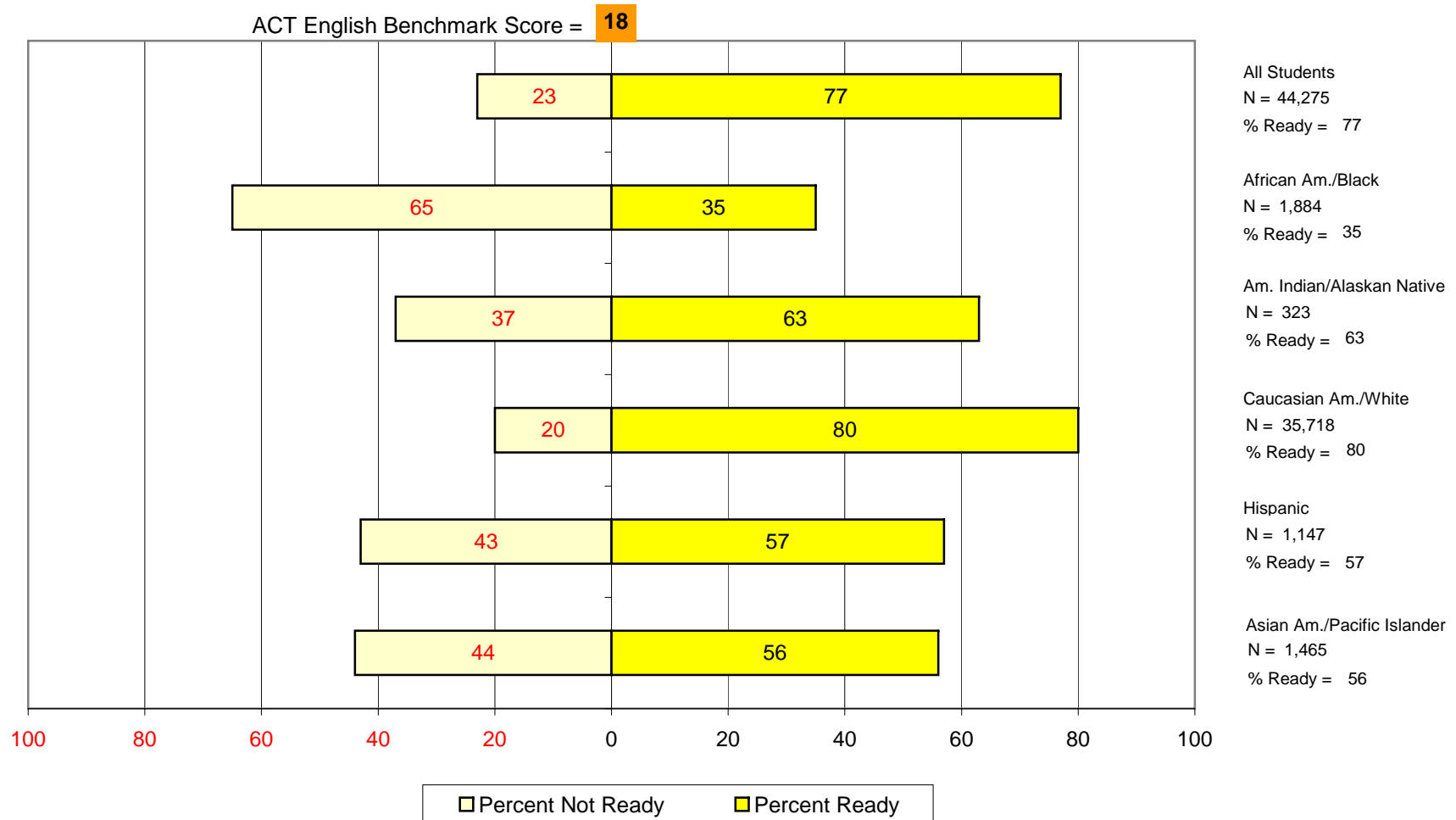




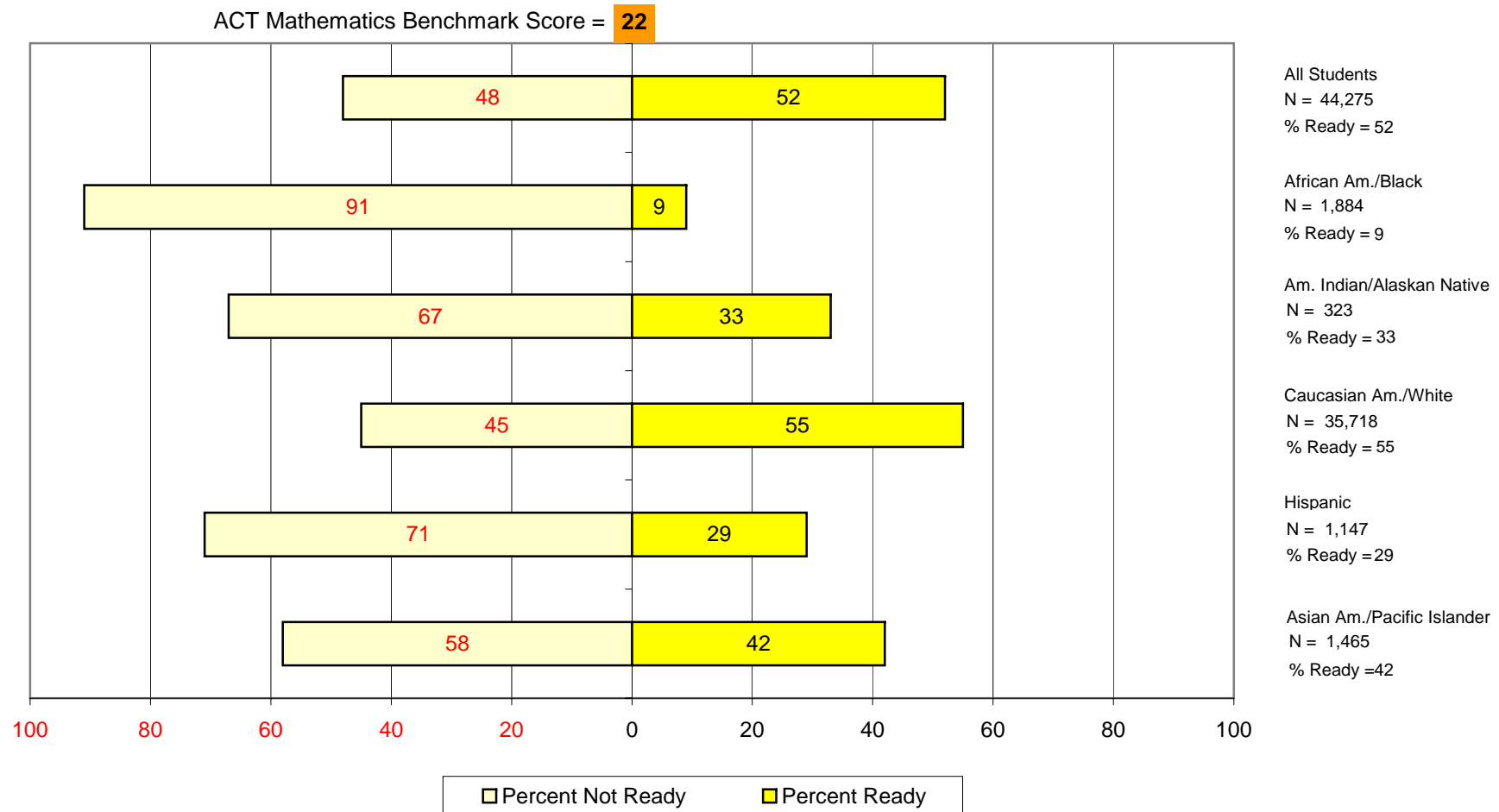
# Section III

## 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**

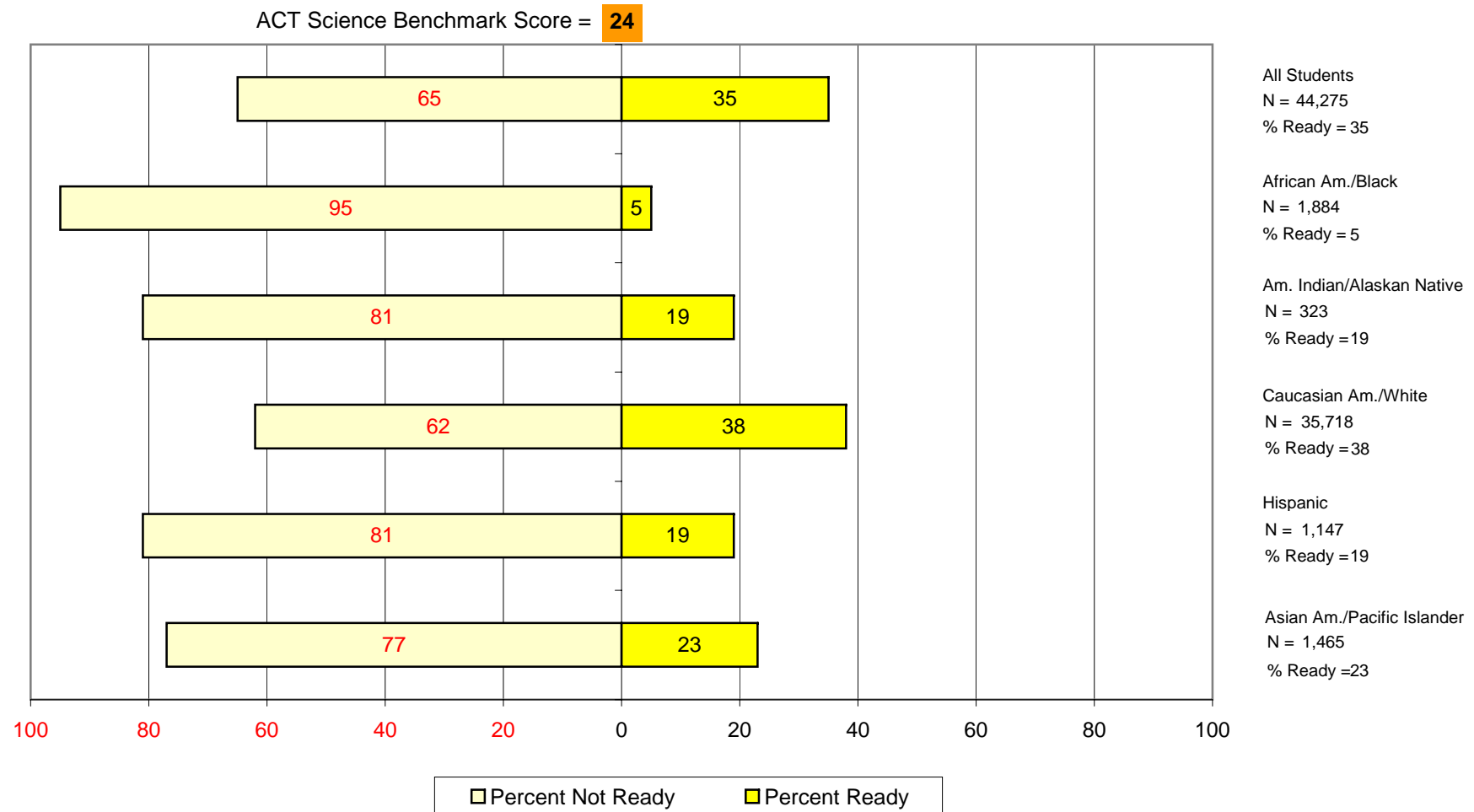
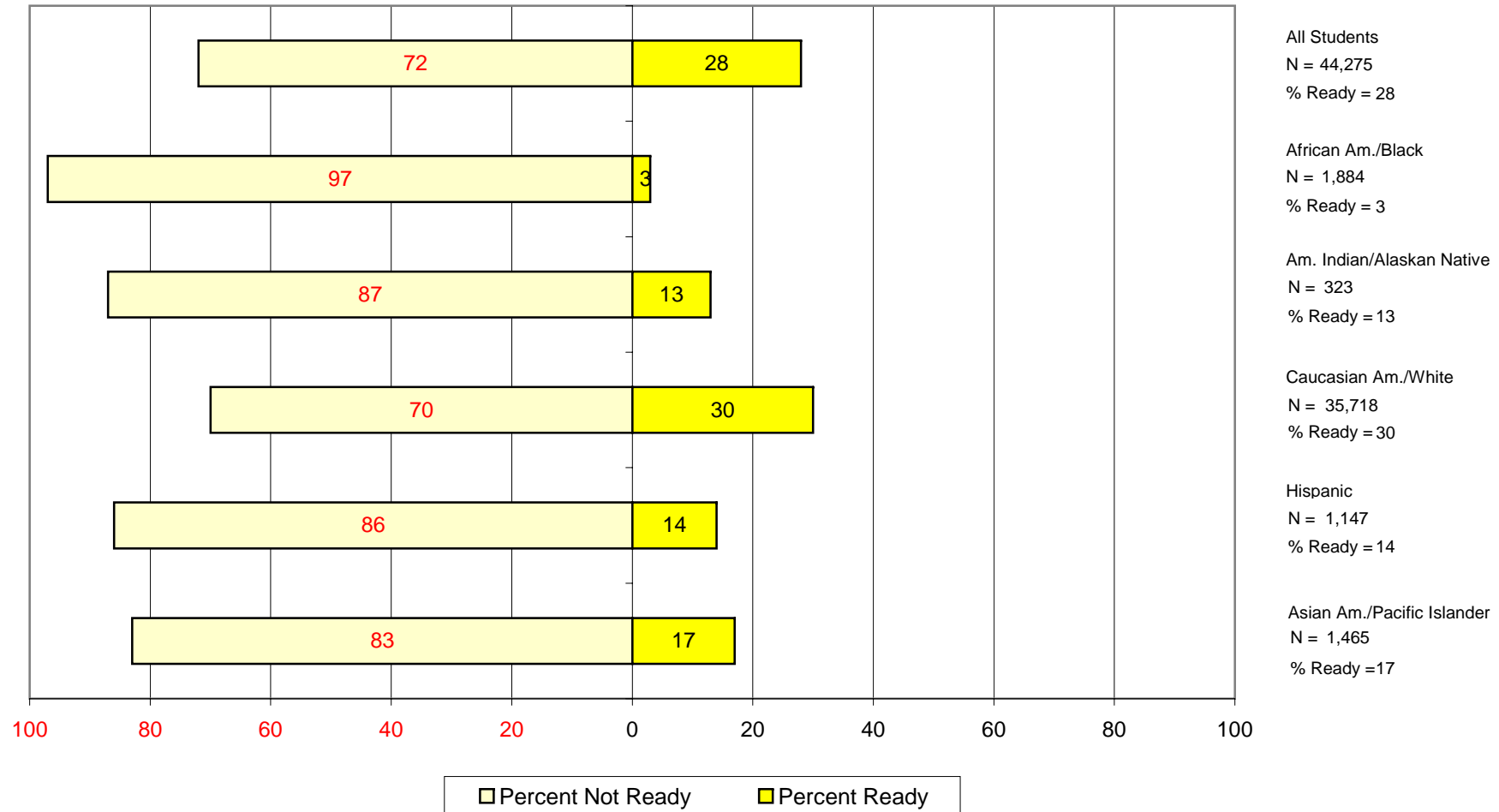


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**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	16,180	37	22.2	2.0	6,586	34	21.9	1.9	9,393	39	22.5	2.1
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	19,527	44	21.3	1.1	8,564	44	21.0	1.0	10,652	44	21.5	1.1
Less than 4 years of English	4,390	10	20.2	-	2,110	11	20.0	-	2,187	9	20.4	-
No English course/grade information reported	4,178	9	21.2	-	2,158	11	20.9	-	1,720	7	21.7	-
<b>MATHEMATICS COURSE PATTERN</b>												
	N	Percent	ACT Math	Course Value Added <sup>1</sup>	N	Percent	ACT Math	Course Value Added <sup>1</sup>	N	Percent	ACT Math	Course Value Added <sup>1</sup>
Alg 1, Alg 2, Geom, Trig, & Calc	2,514	6	25.1	6.2	1,172	6	26.1	6.4	1,310	5	24.3	6.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,257	10	22.8	3.9	1,551	8	23.6	3.9	2,660	11	22.3	4.0
Alg 1, Alg 2, Geom, & Trig	3,876	9	21.0	2.1	1,594	8	21.8	2.1	2,230	9	20.5	2.2
Alg 1, Alg 2, Geom, & Other Adv Math	5,891	13	21.5	2.6	2,210	11	22.3	2.6	3,609	15	21.1	2.8
Other comb of 4 or more years of Math	10,006	23	25.0	6.1	5,004	26	25.9	6.2	4,895	20	24.1	5.8
Alg 1, Alg 2, & Geom (Min. Core)	6,895	16	19.0	0.1	2,714	14	19.7	0.0	4,047	17	18.6	0.3
Other comb of 3 or 3.5 years of Math	2,172	5	22.0	3.1	1,044	5	22.9	3.2	1,094	5	21.2	2.9
Less than 3 years of Math	4,156	9	18.9	-	1,805	9	19.7	-	2,232	9	18.3	-
No Math course/grade information reported	4,508	10	21.7	-	2,324	12	22.4	-	1,875	8	20.9	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
	N	Percent	ACT Reading	Course Value Added <sup>1</sup>	N	Percent	ACT Reading	Course Value Added <sup>1</sup>	N	Percent	ACT Reading	Course Value Added <sup>1</sup>
US Hist, World Hist, Am Gov, & Other Hist	1,259	3	22.4	0.8	658	3	22.4	0.9	586	2	22.6	0.8
Other comb of 4 or more years Social Science	15,197	34	23.0	1.4	6,267	32	22.8	1.3	8,702	36	23.1	1.3
US Hist, World Hist, & Am Gov (Min. Core)	2,440	6	21.5	-0.1	1,222	6	21.5	0.0	1,176	5	21.7	-0.1
Other comb of 3 or 3.5 years of Social Science	12,679	29	22.5	0.9	5,262	27	22.3	0.8	7,236	30	22.6	0.8
Less than 3 years of Social Science	8,222	19	21.6	-	3,678	19	21.5	-	4,406	18	21.8	-
No Soc Sci course/grade information reported	4,478	10	22.2	-	2,331	12	22.0	-	1,846	8	22.4	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
	N	Percent	ACT Science	Course Value Added <sup>1</sup>	N	Percent	ACT Science	Course Value Added <sup>1</sup>	N	Percent	ACT Science	Course Value Added <sup>1</sup>
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	15,136	34	23.3	2.9	7,116	37	24.3	3.4	7,818	33	22.5	2.5
Bio, Chem, Phys	4,523	10	24.2	3.8	2,113	11	25.3	4.4	2,363	10	23.3	3.3
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	12,999	29	21.2	0.8	4,579	24	21.8	0.9	8,235	34	20.8	0.8
Other comb of 3 years of Natural Science	1,158	3	22.1	1.7	701	4	22.8	1.9	438	2	20.9	0.9
Less than 3 years of Natural Science	5,895	13	20.4	-	2,522	13	20.9	-	3,229	13	20.0	-
No Nat Sci course/grade information reported	4,564	10	22.0	-	2,387	12	22.6	-	1,869	8	21.3	-

<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	16,180	37	22.2	81	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	19,527	44	21.3	75	668,226	55	20.4	67
Less than 4 years of English	4,390	10	20.2	69	115,551	10	19.4	62
No English course/grade information reported	4,178	9	21.2	75	150,124	12	20.3	67
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	2,514	6	25.1	78	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,257	10	22.8	62	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	3,876	9	21.0	45	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	5,891	13	21.5	49	153,394	13	20.3	37
Other comb of 4 or more years of Math	10,006	23	25.0	77	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	6,895	16	19.0	22	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	2,172	5	22.0	52	54,965	5	20.6	40
Less than 3 years of Math	4,156	9	18.9	25	131,567	11	17.9	18
No Math course/grade information reported	4,508	10	21.7	50	158,635	13	20.8	42
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	1,259	3	22.4	61	31,335	3	22.7	60
Other comb of 4 or more years Social Science	15,197	34	23.0	65	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	2,440	6	21.5	55	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	12,679	29	22.5	61	325,879	27	21.3	52
Less than 3 years of Social Science	8,222	19	21.6	55	179,270	15	20.5	46
No Soc Sci course/grade information reported	4,478	10	22.2	60	158,406	13	21.2	52
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	15,136	34	23.3	46	320,821	27	22.3	38
Bio, Chem, Phys	4,523	10	24.2	55	115,519	10	23.2	45
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	12,999	29	21.2	24	339,689	28	20.2	19
Other comb of 3 years of Natural Science	1,158	3	22.1	33	32,330	3	20.5	24
Less than 3 years of Natural Science	5,895	13	20.4	19	234,307	19	19.1	14
No Nat Sci course/grade information reported	4,564	10	22.0	34	163,789	14	20.7	26

<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	676	2	20.6	96	4	19.0	554	2	21.0
Architecture & Environmental Design	955	2	21.7	80	3	19.1	830	2	22.0
Business & Management	3,385	8	21.5	146	6	18.3	3,123	9	21.7
Business & Office	228	1	20.2	34	1	18.3	179	1	20.7
Marketing & Distribution	368	1	21.1	26	1	17.0	330	1	21.3
Communications & Comm. Technologies	975	2	21.9	43	2	19.0	884	2	22.1
Community & Personal Services	1,032	2	19.7	149	6	18.4	822	2	20.1
Computer & Information Sciences	946	2	23.1	93	4	20.4	814	2	23.5
Cross-Disciplinary Studies	30	0	23.2	1	0	15.0	26	0	23.8
Education	1,938	4	21.6	47	2	18.1	1,806	5	21.7
Teacher Education	1,336	3	21.2	24	1	18.5	1,233	3	21.3
Engineering	1,323	3	24.0	50	2	18.7	1,235	3	24.4
Engineering-Related Technologies	889	2	23.3	67	3	19.7	785	2	23.6
Foreign Languages	275	1	24.1	10	0	20.1	253	1	24.5
Health Sciences & Allied Health Fields	6,402	14	21.6	539	21	18.4	5,625	16	22.0
Human, Family & Consumer Science	309	1	19.4	50	2	18.4	237	1	19.6
Letters	283	1	24.9	4	0	22.8	269	1	25.0
Mathematics	249	1	25.7	6	0	22.5	236	1	25.7
Philosophy, Religion & Theology	238	1	23.1	8	0	21.0	212	1	23.2
Sciences (Biological & Physical)	2,034	5	24.4	25	1	20.0	1,960	5	24.5
Social Sciences	2,538	6	23.0	35	1	19.2	2,416	7	23.1
Trade & Industrial	382	1	20.1	168	6	19.7	193	1	20.5
Visual & Performing Arts	2,087	5	22.0	130	5	19.0	1,821	5	22.4
Undecided	5,279	12	22.4	351	13	18.5	4,578	13	22.8
No Response	10,118	23	22.2	421	16	18.3	5,278	15	22.6

<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/ Alaskan 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	649	18.8	18	14.2	9	16.1	557	19.1	12	17.5	8	16.4	45	19.3
2-yr College Degree	1,954	18.7	81	15.2	13	17.9	1,574	19.0	66	16.5	73	17.0	147	18.6
Bachelors Degree	18,473	21.4	602	16.5	151	19.5	15,582	21.8	391	19.0	534	18.8	1,213	21.3
Graduate Study	7,280	23.8	255	18.3	50	22.2	6,018	24.2	170	21.4	250	21.5	537	23.9
Prof. Level Degree	9,946	23.5	630	17.8	61	21.3	7,645	24.1	359	20.5	427	22.3	824	23.4
Other	1,167	19.7	88	15.5	13	19.5	881	20.4	29	17.5	47	17.6	109	19.1
No Response	4,806	22.3	210	16.0	26	19.5	3,461	22.8	120	19.1	126	21.8	863	22.5

**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
UNIV OF WISCONSIN-MADISON	Wisconsin	11,279	4,996	6,283	0	2	10	27	37	21	2
UNIV OF WISCONSIN-MILWAUKEE	Wisconsin	10,621	3,400	7,221	1	6	25	37	23	7	0
UNIV OF WISCONSIN-LA CROSSE	Wisconsin	7,074	1,574	5,500	0	2	16	39	32	10	0
UNIV OF WISCONSIN-EAU CLAIRE	Wisconsin	6,606	1,688	4,918	0	2	18	41	28	9	0
UNIV OF WISCONSIN-OSHKOSH	Wisconsin	6,158	1,427	4,731	0	4	28	43	20	4	0
UNIV OF WISCONSIN-WHITEWATER	Wisconsin	6,144	1,450	4,694	1	6	28	40	20	5	0
UNIV OF WISCONSIN-STEVENS POINT	Wisconsin	5,897	1,328	4,569	0	3	25	42	23	6	0
UNIVERSITY OF MINNESOTA-TWIN CITIES	Minnesota	5,200	1,320	3,880	0	1	9	29	39	20	2
UNIV OF WISCONSIN-GREEN BAY	Wisconsin	4,558	1,027	3,531	0	4	26	40	23	5	0
MARQUETTE UNIVERSITY	Wisconsin	4,344	1,114	3,230	1	5	16	30	32	16	2
UNIV OF WISCONSIN-PLATTEVILLE	Wisconsin	3,285	856	2,429	0	4	25	39	23	9	0
UNIV OF WISCONSIN-STOUT	Wisconsin	3,195	756	2,439	0	5	31	42	18	4	0
UNIV OF WISCONSIN-PARKSIDE	Wisconsin	2,013	547	1,466	2	13	36	33	14	2	0
UNIV OF WISCONSIN-RIVER FALLS	Wisconsin	1,932	495	1,437	0	5	30	41	20	4	0
MADISON AREA TECHNICAL COLLEGE	Wisconsin	1,477	570	907	1	10	40	34	13	3	0
MILWAUKEE SCH OF ENGINEERING	Wisconsin	1,425	403	1,022	0	4	14	32	30	18	2
CARROLL COLLEGE	Wisconsin	1,308	325	983	1	6	24	38	25	6	0
MILWAUKEE AREA TECHNICAL COLLEGE	Wisconsin	1,302	317	985	4	20	39	27	8	1	0
WINONA STATE UNIVERSITY	Minnesota	1,226	329	897	0	3	25	43	23	5	0
UNIV OF WISCONSIN-WAUKESHA	Wisconsin	1,074	240	834	0	8	35	40	14	3	0
CARTHAGE COLLEGE	Wisconsin	1,019	238	781	0	3	21	41	24	8	1
SAINT NORBERT COLLEGE	Wisconsin	879	256	623	0	2	15	37	32	14	0
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	867	215	652	0	3	21	38	27	10	1
ALVERNO COLLEGE	Wisconsin	847	303	544	4	21	39	24	9	2	0
FOX VALLEY TECHNICAL COLLEGE	Wisconsin	839	225	614	0	9	44	32	12	2	0
UNIV OF WISCONSIN-FOX VALLEY	Wisconsin	770	270	500	1	7	33	39	16	4	0
EDGEWOOD COLLEGE	Wisconsin	740	192	548	0	6	26	38	23	7	0
UNIV OF WISCONSIN-SUPERIOR	Wisconsin	732	166	566	0	5	27	43	19	6	0
RIPON COLLEGE	Wisconsin	686	163	523	0	3	19	36	29	13	1
MILWAUKEE INSTITUTE OF ART AND DESIGN	Wisconsin	665	144	521	1	7	30	36	21	5	0
All Other Institutions		40,191	10,195	29,996	1	6	24	30	23	14	2
<b>Total</b>		<b>134,353</b>	<b>36,529</b>	<b>97,824</b>	<b>1</b>	<b>5</b>	<b>23</b>	<b>35</b>	<b>25</b>	<b>11</b>	<b>1</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	State	National
<b>All Students</b>	<b>21,208</b>	<b>430,404</b>	<b>23.5</b>	<b>22.4</b>	<b>7.9</b>	<b>7.7</b>	<b>23.0</b>	<b>22.0</b>
African Am./Black	885	38,583	17.2	17.5	6.8	6.8	17.4	17.6
Am. Indian/Alaskan Native	130	2,803	21.3	19.8	7.4	7.1	20.9	19.6
Caucasian Am./White	16,954	269,428	24.0	23.4	8.0	7.8	23.5	22.8
Hispanic	555	33,207	20.5	18.9	7.6	7.4	20.5	19.1
Asian Am./Pacific Islander	728	21,275	21.5	23.0	7.8	8.0	21.4	22.8
Other/No Response	1,956	65,108	23.6	22.8	7.8	7.9	23.0	22.5
Males	9,017	170,904	23.3	22.1	7.7	7.4	22.6	21.5
Females	11,798	240,056	23.7	22.6	8.1	7.9	23.3	22.3
Missing	393	19,444	22.5	22.1	7.7	7.8	22.0	21.9



