

ACT High School Profile Report

The Graduating Class of 2006
Minnesota



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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

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. 41,650 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. 58% 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 11% of the cohort took less than three years of math courses. Of these students, 28% were college ready. 12% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 21% 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 14% of the cohort took less than three years of natural science courses. 20% of these students were college ready. In comparison, 40% 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.

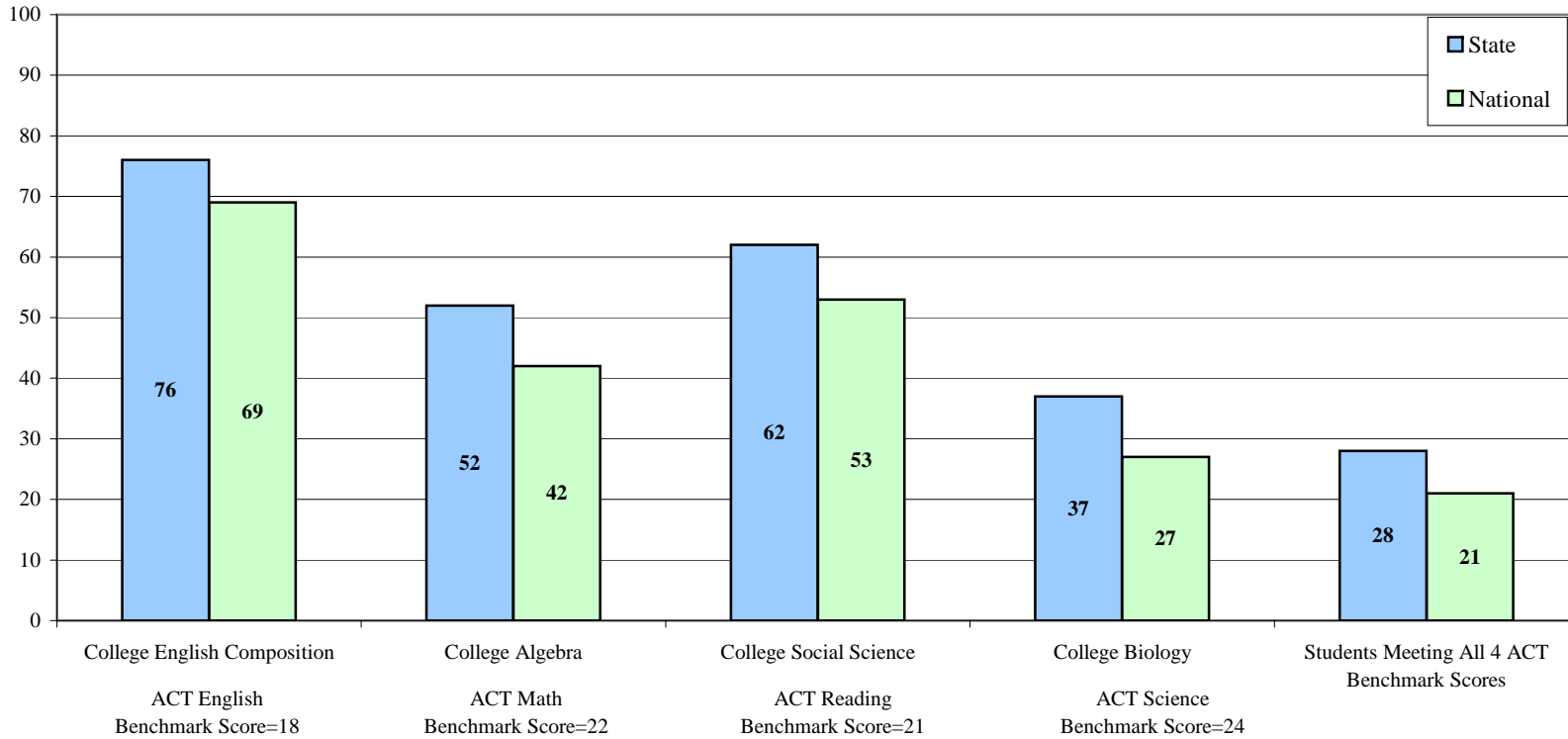
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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	40,873	1,116,082	75	67	51	39	63	53	35	26	27	20
2003	42,892	1,175,059	75	67	49	40	61	52	35	26	27	20
2004	42,163	1,171,460	76	68	51	40	61	52	36	26	28	21
2005	41,646	1,186,251	76	68	53	41	61	51	37	26	29	21
2006	41,650	1,206,455	76	69	52	42	62	53	37	27	28	21

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	40,873	1,116,082	21.2	20.2	22.0	20.6	22.5	21.1	22.3	20.8	22.1	20.8
2003	42,892	1,175,059	21.2	20.3	21.8	20.6	22.4	21.2	22.2	20.8	22.0	20.8
2004	42,163	1,171,460	21.4	20.4	22.0	20.7	22.6	21.3	22.3	20.9	22.2	20.9
2005	41,646	1,186,251	21.6	20.4	22.1	20.7	22.7	21.3	22.4	20.9	22.3	20.9
2006	41,650	1,206,455	21.6	20.6	22.1	20.8	22.6	21.4	22.3	20.9	22.3	21.1

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
2006	1,206,455	20.6	20.8	21.4	20.9	21.1

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

Grad Year	Number of Students Tested		Percent ¹		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
2002	27,160	11,531	66	28	22.0	19.3	22.9	19.9	23.2	20.8	22.9	20.8	22.9	20.3
2003	27,557	12,415	64	29	22.0	19.3	22.7	19.8	23.2	20.8	22.9	20.8	22.8	20.3
2004	26,465	12,199	63	29	22.2	19.6	22.8	20.1	23.3	21.1	22.9	20.9	22.9	20.6
2005	25,926	11,868	62	28	22.3	19.9	22.9	20.5	23.3	21.2	23.0	21.1	23.0	20.8
2006	24,263	12,426	58	30	22.4	20.0	22.9	20.5	23.3	21.3	22.9	21.2	23.0	20.9

¹Percent 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
All Students	40,873	100	22.1	42,892	100	22.0	42,163	100	22.2	41,646	100	22.3	41,650	100	22.3
African American/Black	848	2	17.2	1,162	3	17.0	1,114	3	17.5	1,137	3	17.6	1,188	3	17.8
American Indian/Alaskan Native	186	0	20.0	174	0	19.7	211	1	19.6	202	0	20.0	241	1	19.9
Caucasian American/White	34,944	85	22.3	36,110	84	22.3	35,130	83	22.5	34,579	83	22.6	33,426	80	22.6
Hispanic	488	1	20.2	518	1	20.1	553	1	20.1	609	1	20.4	578	1	20.1
Asian American/Pacific Islander	1,738	4	19.9	1,950	5	19.9	2,009	5	20.3	1,910	5	20.3	1,952	5	20.4
Other/No Response	2,669	7	22.4	2,978	7	22.2	3,146	7	22.6	3,209	8	22.8	4,265	10	22.4

Section II

Academic Achievement

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages for All Students

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
36	75	100	88	100	264	100	86	100	13	100	36
35	358	100	180	100	515	99	225	100	75	100	35
34	493	99	389	99	797	98	222	99	174	100	34
33	430	98	302	98	887	96	290	99	277	99	33
32	598	97	341	98	651	94	509	98	458	99	32
31	657	95	535	97	1,144	93	414	97	661	98	31
30	952	94	889	96	1,187	90	265	96	969	96	30
29	1,326	91	1,227	93	1,552	87	830	95	1,203	94	29
28	1,584	88	1,452	91	1,482	83	1,353	93	1,611	91	28
27	1,182	84	2,319	87	2,290	80	1,340	90	2,017	87	27
26	1,973	82	2,723	81	2,036	74	3,285	87	2,379	82	26
25	2,704	77	3,113	75	2,396	69	2,684	79	2,770	76	25
24	2,322	70	2,933	67	2,465	64	3,733	72	3,041	70	24
23	2,285	65	2,781	60	2,598	58	4,006	63	3,406	62	23
22	2,952	59	2,428	54	2,816	51	4,182	54	3,683	54	22
21	3,377	52	2,794	48	2,641	45	3,963	44	3,617	45	21
20	3,516	44	2,728	41	2,332	38	4,092	34	3,435	37	20
19	2,694	36	2,712	35	3,120	33	3,437	24	3,090	28	19
18	2,302	29	2,968	28	1,817	25	2,363	16	2,802	21	18
17	1,980	24	3,567	21	2,222	21	1,614	10	2,103	14	17
16	2,128	19	2,707	12	1,638	15	885	7	1,608	9	16
15	1,890	14	1,491	6	1,385	12	670	4	1,035	5	15
14	1,364	9	677	2	1,430	8	438	3	640	3	14
13	708	6	222	1	911	5	300	2	343	1	13
12	533	4	64	1	669	3	217	1	177	1	12
11	448	3	13	1	261	1	127	1	39	1	11
10	329	2	2	1	67	1	81	1	15	1	10
9	242	1	2	1	29	1	27	1	4	1	9
8	160	1	0	1	31	1	8	1	5	1	8
7	66	1	0	1	7	1	3	1	0	1	7
6	13	1	1	1	5	1	1	1	0	1	6
5	7	1	1	1	3	1	0	1	0	1	5
4	1	1	0	1	2	1	0	1	0	1	4
3	0	1	1	1	0	1	0	1	0	1	3
2	1	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Average	21.6		22.1		22.6		22.3		22.3		Average

¹Note: 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 (CP¹), 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 ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
18	1,240	100	313	100	731	100	1,398	100	1,353	100	328	100	420	100	18
17	1,693	97	1,067	99	2,603	98	2,309	97	1,626	97	705	99	484	99	17
16	1,772	93	1,845	97	2,481	92	2,942	91	3,075	93	723	98	1,180	98	16
15	2,278	89	3,146	92	3,022	86	3,347	84	2,837	85	1,822	96	2,703	95	15
14	3,248	83	3,868	85	2,870	79	3,431	76	3,099	79	4,233	91	4,307	89	14
13	2,363	75	4,029	75	4,107	72	3,564	68	4,972	71	3,030	81	5,652	78	13
12	3,768	70	4,425	66	4,634	62	4,137	59	5,528	59	6,817	74	5,477	65	12
11	4,218	61	5,983	55	4,710	51	3,526	49	3,434	46	5,249	58	4,728	51	11
10	5,538	51	5,126	41	3,679	40	4,241	41	3,923	38	6,751	45	7,416	40	10
9	3,969	37	4,836	28	4,631	31	3,978	31	3,473	28	6,353	29	3,507	22	9
8	3,565	28	3,071	17	3,733	20	2,541	21	4,248	20	2,646	14	2,519	14	8
7	3,089	19	1,810	9	1,926	11	2,258	15	2,858	10	673	7	1,606	8	7
6	2,339	12	1,022	5	1,487	6	2,175	10	874	3	1,141	6	892	4	6
5	1,208	6	680	3	544	2	1,138	4	211	1	733	3	155	2	5
4	893	3	293	1	214	1	501	2	79	1	147	1	400	1	4
3	379	1	104	1	191	1	133	1	41	1	243	1	42	1	3
2	81	1	28	1	68	1	30	1	16	1	12	1	133	1	2
1	9	1	4	1	19	1	1	1	3	1	44	1	29	1	1
Average	10.7		11.3		11.5		11.5		11.7		11.0		11.3		Average

¹Note: 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	41,650	58	23.0	20.9
	African Am./Black	1,188	51	18.5	17.1
	Am. Indian/Alaskan Native	241	47	20.3	19.7
	Caucasian Am./White	33,426	60	23.3	21.2
	Hispanic	578	52	20.8	18.7
	Asian Am./Pacific Islander	1,952	59	21.1	19.3
	Other/No Response	4,265	46	23.2	20.9
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	1,356	3	959	2	2,463	6	823	2
	28 to 32	5,117	12	4,444	11	6,016	14	3,371	8
	24 to 27	8,181	20	11,088	27	9,187	22	11,042	27
	20 to 23	12,130	29	10,731	26	10,387	25	16,243	39
	16 to 19	9,104	22	11,954	29	8,797	21	8,299	20
	13 to 15	3,962	10	2,390	6	3,726	9	1,408	3
	01 to 12	1,800	4	84	0	1,074	3	464	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	18,697	45	21.1	22.8	22.3	23.0	22.4
	Females	21,775	52	22.0	21.5	22.9	21.8	22.2
	Missing	1,178	3	20.9	21.5	21.9	21.7	21.6
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 All Four
		English	Math	Reading	Science	
State	Males	74	58	60	43	33
	Females	79	47	64	31	25
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

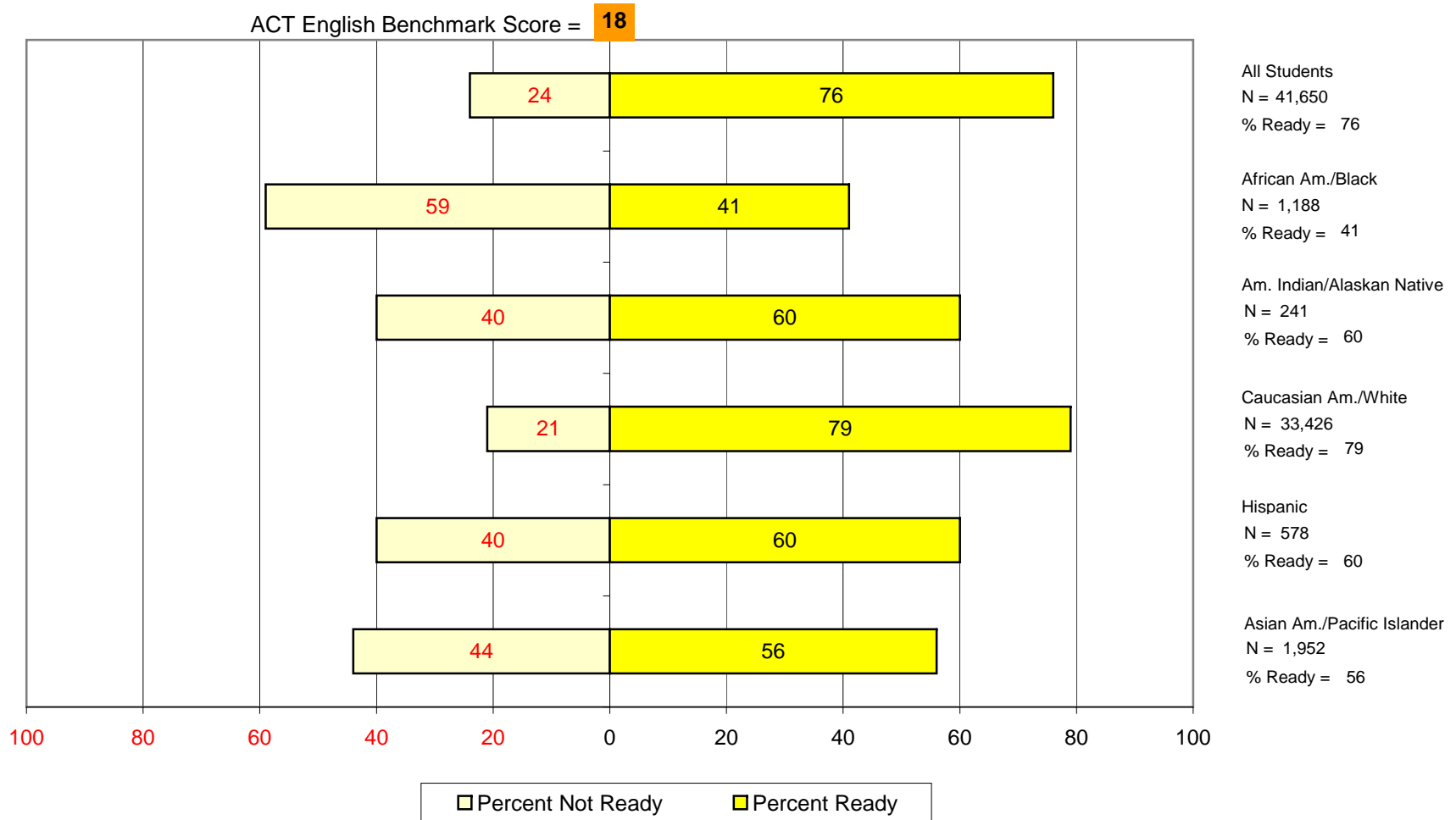


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS



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

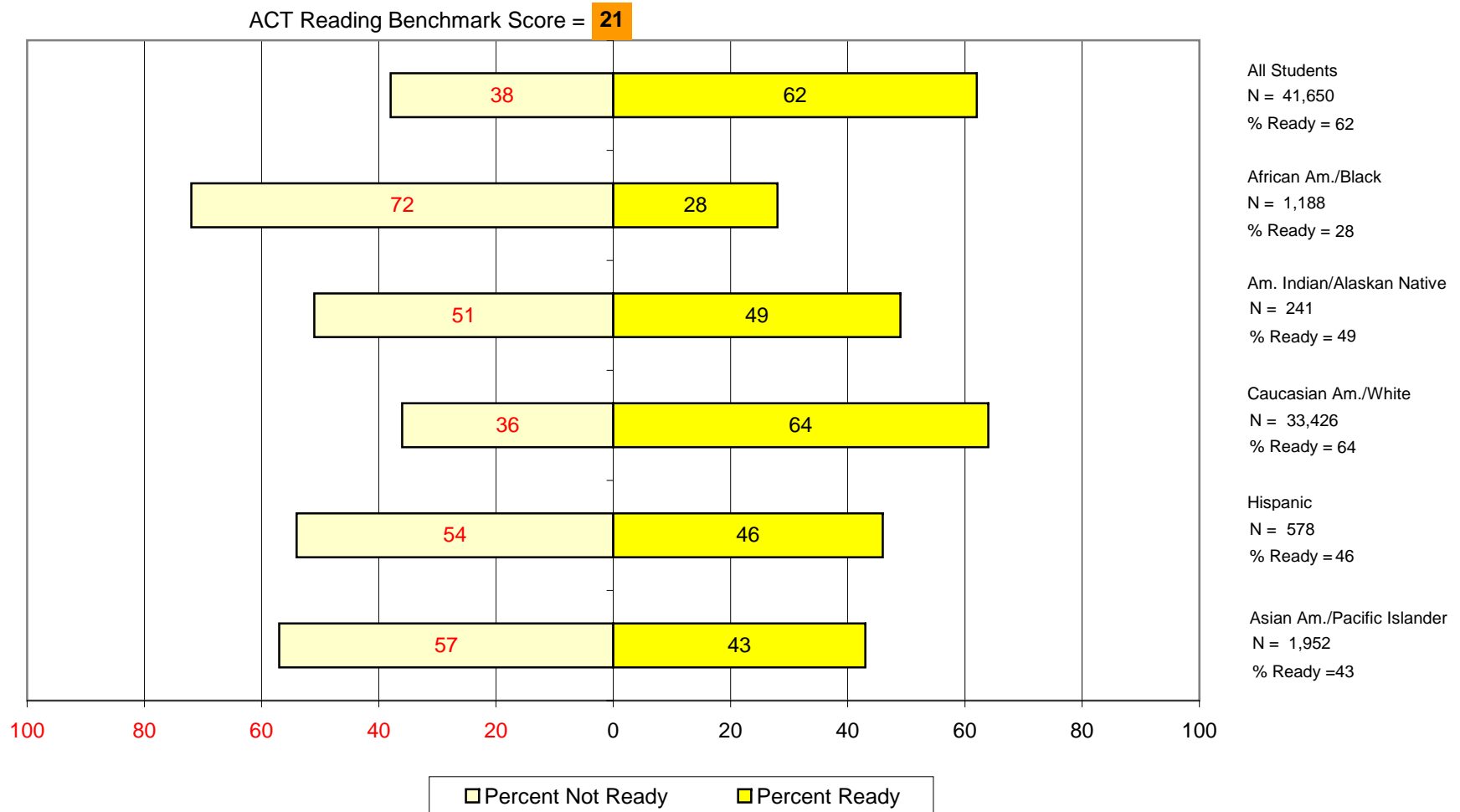


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

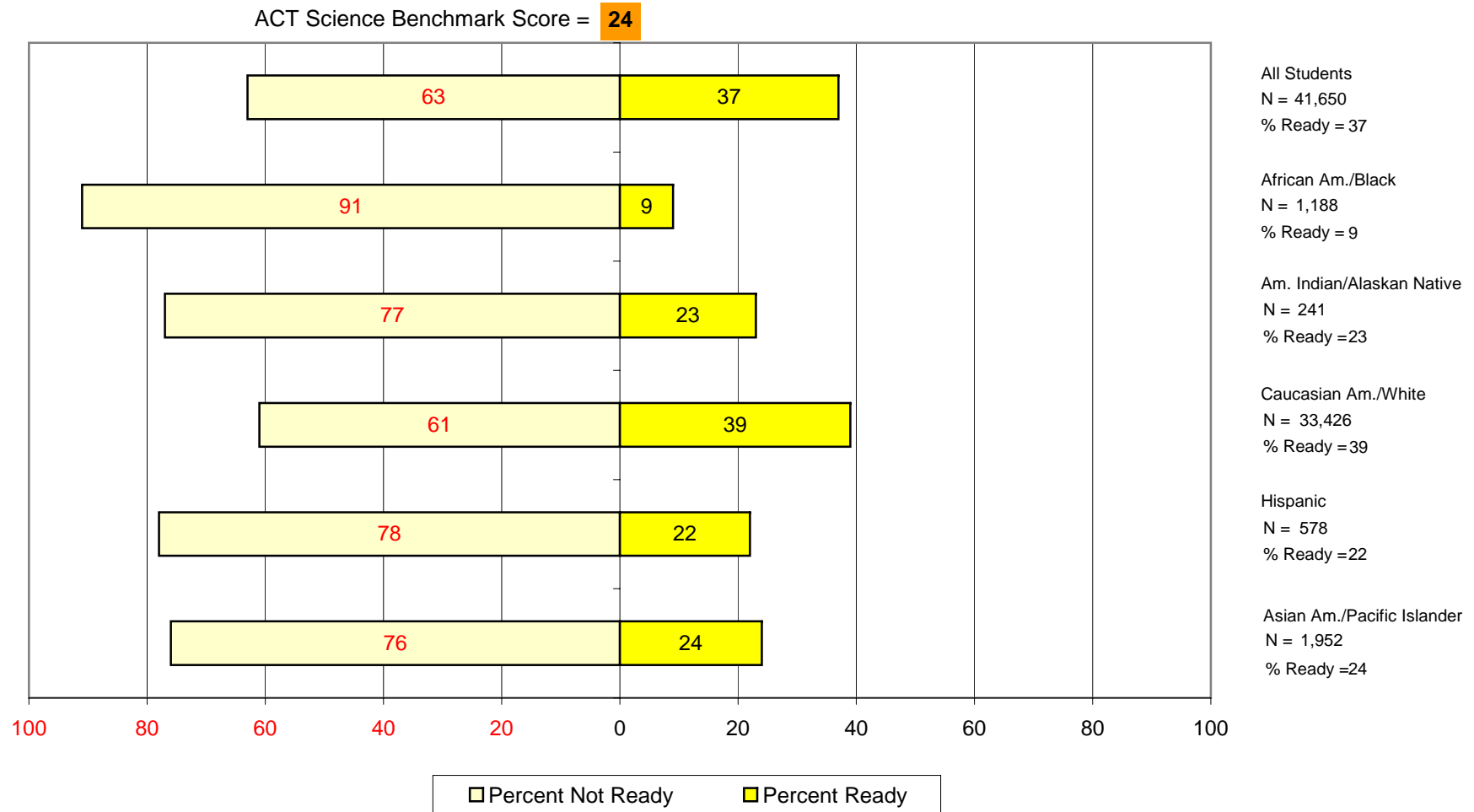


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

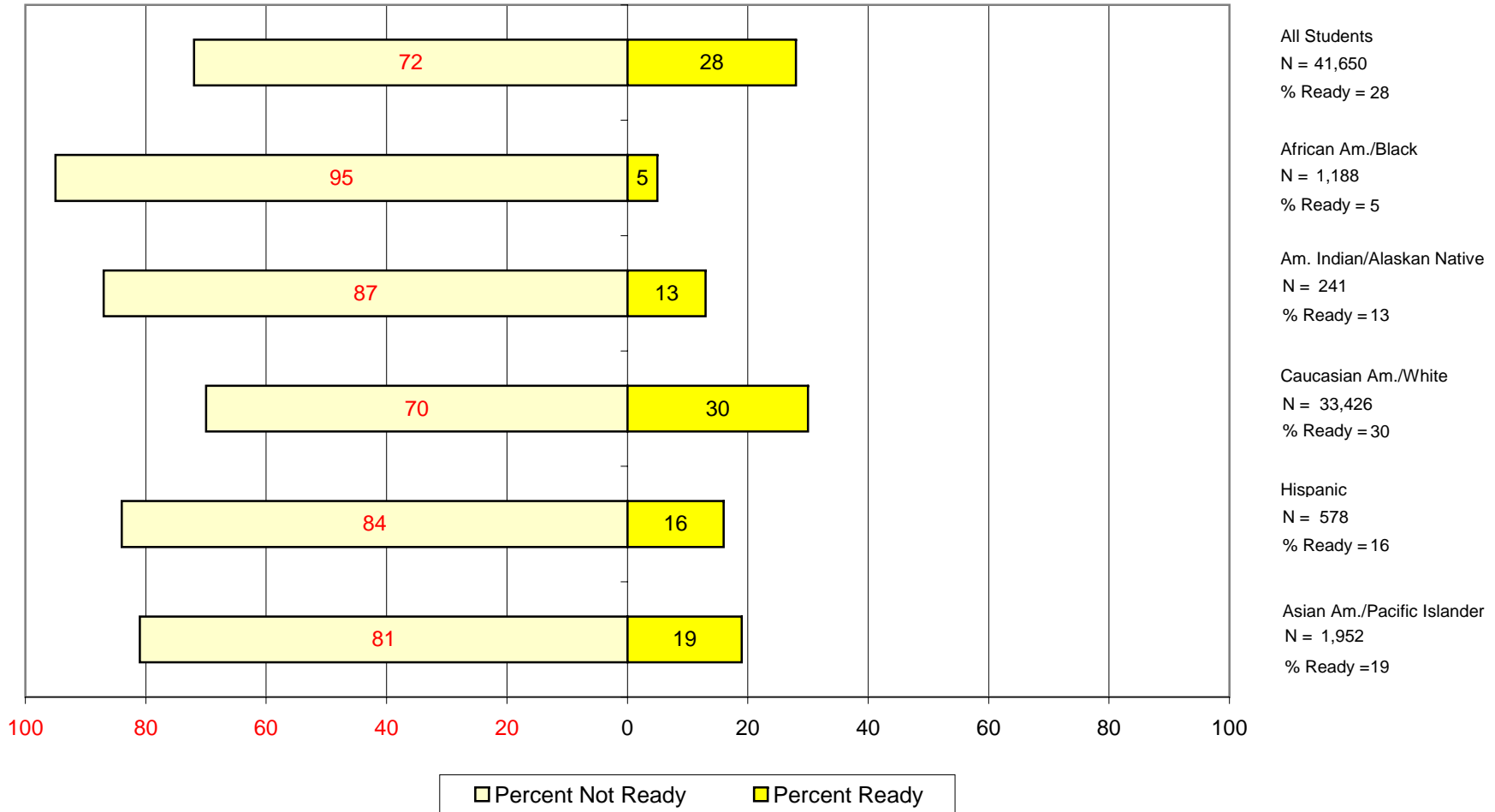


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	13,763	33	22.1	1.5	5,699	30	21.6	1.4	7,841	36	22.5	1.4
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	18,676	45	21.4	0.8	8,474	45	20.9	0.7	9,834	45	21.8	0.7
Less than 4 years of English	4,110	10	20.6	-	2,023	11	20.2	-	1,948	9	21.1	-
No English course/grade information reported	5,101	12	21.5	-	2,501	13	21.0	-	2,152	10	22.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	3,004	7	25.1	5.8	1,406	8	25.8	5.8	1,557	7	24.5	5.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,297	10	22.2	2.9	1,673	9	22.9	2.9	2,560	12	21.8	3.0
Alg 1, Alg 2, Geom, & Trig	3,221	8	20.8	1.5	1,358	7	21.4	1.4	1,797	8	20.3	1.5
Alg 1, Alg 2, Geom, & Other Adv Math	4,407	11	21.3	2.0	1,708	9	21.9	1.9	2,610	12	20.9	2.1
Other comb of 4 or more years of Math	9,950	24	24.9	5.6	4,888	26	25.6	5.6	4,920	23	24.2	5.4
Alg 1, Alg 2, & Geom (Min. Core)	4,926	12	19.0	-0.3	2,037	11	19.6	-0.4	2,761	13	18.5	-0.3
Other comb of 3 or 3.5 years of Math	1,753	4	22.1	2.8	874	5	22.4	2.4	844	4	21.8	3.0
Less than 3 years of Math	4,422	11	19.3	-	1,962	10	20.0	-	2,310	11	18.8	-
No Math course/grade information reported	5,670	14	21.7	-	2,791	15	22.2	-	2,416	11	20.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	741	2	23.5	1.5	375	2	23.2	1.5	354	2	23.9	1.5
Other comb of 4 or more years Social Science	19,117	46	22.7	0.7	8,150	44	22.5	0.8	10,618	49	23.0	0.6
US Hist, World Hist, & Am Gov (Min. Core)	1,010	2	21.9	-0.1	522	3	21.6	-0.1	465	2	22.2	-0.2
Other comb of 3 or 3.5 years of Social Science	10,261	25	22.7	0.7	4,453	24	22.3	0.6	5,608	26	23.0	0.6
Less than 3 years of Social Science	5,065	12	22.0	-	2,492	13	21.7	-	2,438	11	22.4	-
No Soc Sci course/grade information reported	5,456	13	22.5	-	2,705	14	22.3	-	2,292	11	22.8	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	16,021	38	23.5	3.1	7,662	41	24.3	3.4	8,092	37	22.8	2.7
Bio, Chem, Phys	1,197	3	23.8	3.4	570	3	24.6	3.7	611	3	23.1	3.0
Gen Sci ² , Bio, Chem (Min. Core)	11,841	28	21.5	1.1	4,294	23	21.9	1.0	7,307	34	21.2	1.1
Other comb of 3 years of Natural Science	1,348	3	22.2	1.8	811	4	22.7	1.8	517	2	21.3	1.2
Less than 3 years of Natural Science	5,694	14	20.4	-	2,594	14	20.9	-	2,932	13	20.1	-
No Nat Sci course/grade information reported	5,549	13	22.2	-	2,766	15	22.7	-	2,316	11	21.6	-

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

²Includes 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
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	13,763	33	22.1	80	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	18,676	45	21.4	75	668,226	55	20.4	67
Less than 4 years of English	4,110	10	20.6	71	115,551	10	19.4	62
No English course/grade information reported	5,101	12	21.5	76	150,124	12	20.3	67
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	3,004	7	25.1	79	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,297	10	22.2	57	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	3,221	8	20.8	42	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	4,407	11	21.3	47	153,394	13	20.3	37
Other comb of 4 or more years of Math	9,950	24	24.9	76	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	4,926	12	19.0	21	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	1,753	4	22.1	52	54,965	5	20.6	40
Less than 3 years of Math	4,422	11	19.3	28	131,567	11	17.9	18
No Math course/grade information reported	5,670	14	21.7	48	158,635	13	20.8	42
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	741	2	23.5	68	31,335	3	22.7	60
Other comb of 4 or more years Social Science	19,117	46	22.7	63	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	1,010	2	21.9	57	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	10,261	25	22.7	62	325,879	27	21.3	52
Less than 3 years of Social Science	5,065	12	22.0	57	179,270	15	20.5	46
No Soc Sci course/grade information reported	5,456	13	22.5	61	158,406	13	21.2	52
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	16,021	38	23.5	49	320,821	27	22.3	38
Bio, Chem, Phys	1,197	3	23.8	51	115,519	10	23.2	45
Gen Sci ¹ , Bio, Chem (Min. Core)	11,841	28	21.5	27	339,689	28	20.2	19
Other comb of 3 years of Natural Science	1,348	3	22.2	34	32,330	3	20.5	24
Less than 3 years of Natural Science	5,694	14	20.4	20	234,307	19	19.1	14
No Nat Sci course/grade information reported	5,549	13	22.2	36	163,789	14	20.7	26

¹Includes 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 ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture Sciences & Technologies	536	1	20.1	65	3	17.8	445	1	20.5
Architecture & Environmental Design	850	2	22.0	53	3	18.2	749	2	22.3
Business & Management	3,089	7	21.5	141	7	18.4	2,832	9	21.7
Business & Office	215	1	20.7	35	2	17.9	167	1	21.4
Marketing & Distribution	283	1	20.9	12	1	18.4	258	1	21.0
Communications & Comm. Technologies	871	2	22.4	44	2	18.7	785	2	22.7
Community & Personal Services	876	2	19.8	114	6	18.1	715	2	20.2
Computer & Information Sciences	746	2	22.7	68	3	18.8	642	2	23.1
Cross-Disciplinary Studies	46	0	23.8	1	0	19.0	43	0	23.8
Education	1,308	3	21.5	26	1	18.3	1,236	4	21.6
Teacher Education	826	2	21.2	7	0	16.7	776	2	21.3
Engineering	1,306	3	24.0	58	3	18.2	1,206	4	24.3
Engineering-Related Technologies	889	2	23.4	61	3	18.9	797	2	23.8
Foreign Languages	229	1	23.9	8	0	19.8	205	1	24.1
Health Sciences & Allied Health Fields	5,213	13	21.7	279	14	18.5	4,739	14	22.0
Human, Family & Consumer Science	274	1	20.1	33	2	17.5	222	1	20.4
Letters	251	1	25.6	6	0	23.8	232	1	25.9
Mathematics	246	1	25.4	2	0	18.0	237	1	25.6
Philosophy, Religion & Theology	268	1	23.7	3	0	24.3	252	1	23.8
Sciences (Biological & Physical)	1,797	4	24.5	14	1	17.9	1,733	5	24.6
Social Sciences	2,164	5	23.1	22	1	18.3	2,083	6	23.2
Trade & Industrial	372	1	19.7	178	9	18.7	178	1	20.7
Visual & Performing Arts	1,820	4	22.2	133	7	19.0	1,586	5	22.6
Undecided	5,221	13	22.2	285	14	18.5	4,587	14	22.6
No Response	11,954	29	22.4	347	17	18.3	6,222	19	22.6

¹2-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*.

²Percent 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	353	18.4	5	15.0	1	15.0	311	18.5	3	16.0	12	16.4	21	18.4
2-yr College Degree	1,642	18.5	37	15.2	9	16.6	1,368	18.8	22	15.7	78	16.5	128	18.4
Bachelors Degree	17,069	21.5	360	17.4	104	19.6	14,413	21.8	209	19.6	698	19.2	1,285	21.1
Graduate Study	6,674	23.9	161	19.3	32	20.8	5,524	24.2	81	21.8	314	22.0	562	23.8
Prof. Level Degree	9,184	23.5	396	18.6	65	20.6	7,094	24.0	176	20.4	568	22.1	885	23.6
Other	928	19.6	40	16.4	3	20.0	715	20.0	16	17.6	49	18.0	105	18.8
No Response	5,800	22.4	189	16.5	27	20.1	4,001	22.6	71	20.5	233	20.3	1,279	23.1

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 MINNESOTA-TWIN CITIES	Minnesota	12,540	5,445	7,095	1	4	18	34	29	13	1	
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	7,926	2,336	5,590	0	3	23	40	25	8	0	
SAINT CLOUD STATE UNIVERSITY	Minnesota	6,281	1,797	4,484	1	6	32	41	17	4	0	
MINNESOTA STATE UNIVERSITY MANKATO	Minnesota	5,679	1,751	3,928	1	6	31	40	18	4	0	
WINONA STATE UNIVERSITY	Minnesota	3,128	814	2,314	0	3	29	42	21	5	0	
UNIVERSITY OF SAINT THOMAS-MN	Minnesota	2,995	630	2,365	1	5	17	34	30	13	1	
NORTH DAKOTA STATE UNIVERSITY	North Dakota	2,684	769	1,915	0	3	25	39	24	8	1	
UNIV OF WISCONSIN-MADISON	Wisconsin	2,619	573	2,046	0	1	7	25	40	25	2	
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	2,092	517	1,575	1	6	31	40	18	4	0	
UNIVERSITY OF NORTH DAKOTA	North Dakota	1,986	553	1,433	0	3	22	42	24	8	1	
BEMIDJI STATE UNIVERSITY	Minnesota	1,929	625	1,304	0	6	33	39	18	4	0	
COLLEGE OF ST BENEDICT/ST JOHN'S UNIV	Minnesota	1,830	618	1,212	0	2	14	34	34	15	1	
GUSTAVUS ADOLPHUS COLLEGE	Minnesota	1,793	410	1,383	0	1	11	31	37	19	1	
UNIV OF WISCONSIN-EAU CLAIRE	Wisconsin	1,569	316	1,253	0	2	17	39	32	9	1	
SAINT OLAF COLLEGE	Minnesota	1,508	370	1,138	0	2	11	27	34	24	2	
UNIV OF WISCONSIN-RIVER FALLS	Wisconsin	1,389	325	1,064	1	5	27	41	21	6	0	
CONCORDIA COLLEGE-MOORHEAD	Minnesota	1,371	401	970	0	3	19	35	30	12	1	
BETHEL UNIVERSITY	Minnesota	1,360	486	874	0	2	18	33	31	14	1	
UNIVERSITY OF MINNESOTA-MORRIS	Minnesota	1,336	290	1,046	0	4	19	33	29	13	1	
HAMLIN UNIVERSITY	Minnesota	1,222	231	991	1	7	20	32	26	12	1	
UNIV OF WISCONSIN-STOUT	Wisconsin	1,130	276	854	0	5	29	42	19	4	0	
AUGSBURG COLLEGE	Minnesota	1,064	242	822	1	6	27	33	24	8	1	
UNIV OF WISCONSIN-LA CROSSE	Wisconsin	1,060	201	859	0	2	18	40	31	9	0	
NORTHWESTERN COLLEGE	Minnesota	1,027	333	694	0	3	18	34	31	12	1	
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	990	307	683	0	3	24	40	24	8	0	
COLLEGE OF SAINT SCHOLASTICA	Minnesota	948	245	703	0	3	18	37	30	12	1	
IOWA STATE UNIVERSITY	Iowa	930	220	710	0	1	11	36	32	18	2	
SOUTHWEST MINNESOTA STATE UNIVERSITY	Minnesota	878	237	641	1	7	34	36	17	3	0	
CONCORDIA UNIV-SAINT PAUL	Minnesota	755	113	642	3	13	30	28	17	8	0	
NORMANDALE COMMUNITY COLLEGE	Minnesota	745	221	524	2	10	36	35	13	3	0	
All Other Institutions		40,513	9,805	30,708	1	6	24	30	23	14	2	
Total		113,277	31,457	81,820	1	5	23	34	25	12	1	

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
All Students	25,023	430,404	22.6	22.4	7.7	7.7	22.2	22.0
African Am./Black	719	38,583	17.1	17.5	6.9	6.8	17.4	17.6
Am. Indian/Alaskan Native	134	2,803	19.8	19.8	7.0	7.1	19.4	19.6
Caucasian Am./White	19,735	269,428	23.0	23.4	7.8	7.8	22.5	22.8
Hispanic	355	33,207	20.1	18.9	7.6	7.4	20.2	19.1
Asian Am./Pacific Islander	1,341	21,275	19.9	23.0	7.5	8.0	19.9	22.8
Other/No Response	2,739	65,108	22.9	22.8	7.7	7.9	22.4	22.5
Males	10,725	170,904	22.2	22.1	7.5	7.4	21.6	21.5
Females	13,609	240,056	22.9	22.6	8.0	7.9	22.6	22.3
Missing	689	19,444	21.8	22.1	7.6	7.8	21.5	21.9

