



# Profile Report - State

Graduating Class 2016

Michigan



## New to your 2016 Profile Report

In Fall 2015, ACT introduced additional test scores and indicators to provide students and educators with more insight into critical aspects of college and career readiness. Tables for these new scores and indicators (Writing scores from enhanced design, ELA score, STEM score, Understanding Complex Texts Indicator, and Progress Toward Career Readiness Indicator) are included in this report to describe available data. To determine where the new scores are summarized in this report, please consult the Table of Contents.

- **Writing scores:** Writing scores describe core writing competencies valued by high school and college educators. These competencies are summarized by the writing scores. Writing scores from test events before September 2015 will be reported on the 2-12 scale. Writing scores from test events on or after September 2015 will be reported on the 1-36 scale.
- **ELA:** The English Language Arts (ELA) score is based upon student scores in ACT English, Reading, and Writing, and is intended to represent a measure of students' overall literacy skills. This score utilizes ACT's customary 1-36 scale.
- **STEM:** In response to the national focus on student performance in Science, Technology, Engineering, and Mathematics (STEM), a STEM score was developed to gauge students' overall performance in mathematics and science. This score, driven by ACT Mathematics and Science scores, ranges from 1 to 36. Test scores from previous years have been calculated.
- **Understanding Complex Texts Indicator:** The Understanding Complex Texts indicator represents students' progress toward understanding the complex written material encountered in college and careers. The indicator is reported in three proficiency levels: Below Proficient, Proficient, and Above Proficient.
- **Progress Toward Career Readiness Indicator:** Progress toward career readiness indicator is based upon the ACT Composite score, representing the level at which students perform relative to the National Career Readiness Certificate (NCRC). Symbolizing attainment of workplace employability skills critical to job success, this indicator is reported in four levels: Progress Needs Improvement, Progress Toward Bronze NCRC, Progress Toward Silver NCRC, and Progress Toward Gold NCRC.

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This report provides information about the performance of your 2016 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 2016. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

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, test data for a school, district, and the state 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, or the state.

Furthermore, 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 who met or exceeded 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. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at [www.act.org/content/act/en/education-and-career-planning/college-and-career-readiness-standards.html](http://www.act.org/content/act/en/education-and-career-planning/college-and-career-readiness-standards.html).

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, Biology and STEM. These scores were empirically derived based on the actual performance of students in college.

College Course/Course Area	ACT Score	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	22
Biology	Science	23
STEM	STEM	26

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

## How to Improve Scores and Increase College Readiness

23% of your students 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:** 115,454 of your students 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. 72% 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 3.8 reports 3% of the cohort took less than three years of math courses. Of these students, 10% were college ready. 18% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 11% of these students were college ready. In comparison, 46% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry 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 3.8 reports 7% of the cohort took less than three years of natural science courses. 23% 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 3.1 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 57% 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 ACT Customer Service at 319-337-1365 or [customerservices@act.org](mailto:customerservices@act.org).

# Section I

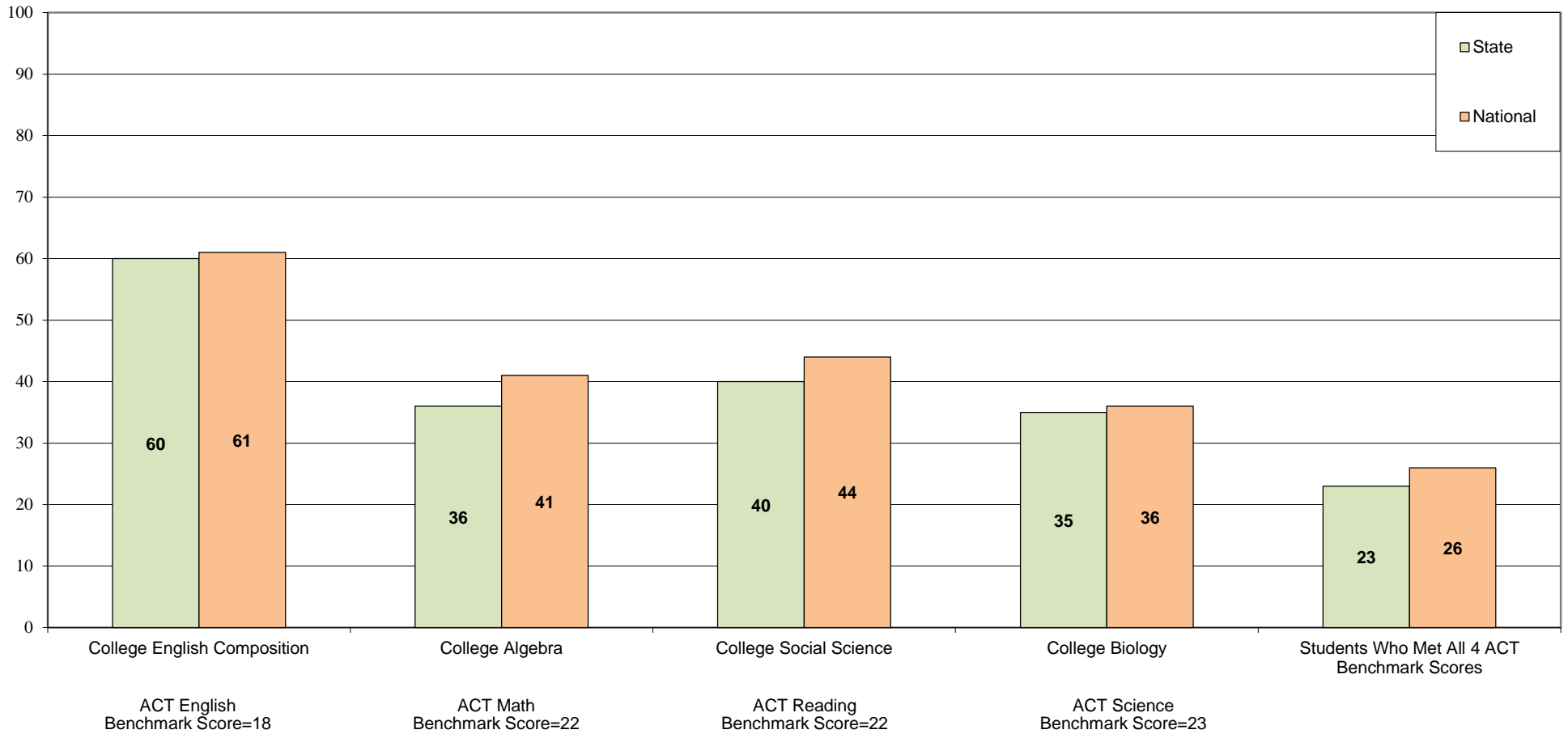
## Executive Summary

Beginning in August of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning in August 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

To find the results of only standard time or extended time test takers, refer to Tables 1.7 and 1.8 on page 9.

Figure 1.1. Percent of Your 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.



Total Students in Report: 115,454

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2012	114,727	1,666,017	59	67	36	46	45	52	26	31	21	25
2013	120,451	1,799,243	57	64	35	44	37	44	33	36	21	26
2014	119,990	1,845,787	59	64	35	43	36	44	33	37	22	26
2015	118,555	1,924,436	59	64	34	42	40	46	34	38	22	28
<b>2016</b>	<b>115,454</b>	<b>2,090,342</b>	<b>60</b>	<b>61</b>	<b>36</b>	<b>41</b>	<b>40</b>	<b>44</b>	<b>35</b>	<b>36</b>	<b>23</b>	<b>26</b>

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

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
2012	114,727	1,666,017	19.3	20.5	20.1	21.1	20.0	21.3	20.4	20.9	20.1	21.1
2013	120,451	1,799,243	19.1	20.2	19.9	20.9	20.0	21.1	20.2	20.7	19.9	20.9
2014	119,990	1,845,787	19.3	20.3	19.9	20.9	20.2	21.3	20.4	20.8	20.1	21.0
2015	118,555	1,924,436	19.4	20.4	19.9	20.8	20.3	21.4	20.4	20.9	20.1	21.0
<b>2016</b>	<b>115,454</b>	<b>2,090,342</b>	<b>19.9</b>	<b>20.1</b>	<b>19.9</b>	<b>20.6</b>	<b>20.7</b>	<b>21.3</b>	<b>20.5</b>	<b>20.8</b>	<b>20.3</b>	<b>20.8</b>

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

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2012	1,666,017	20.5	21.1	21.3	20.9	21.1
2013	1,799,243	20.2	20.9	21.1	20.7	20.9
2014	1,845,787	20.3	20.9	21.3	20.8	21.0
2015	1,924,436	20.4	20.8	21.4	20.9	21.0
<b>2016</b>	<b>2,090,342</b>	<b>20.1</b>	<b>20.6</b>	<b>21.3</b>	<b>20.8</b>	<b>20.8</b>

Total Students in Report: 115,454

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

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
	Core or More <sup>1</sup>	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
2012	88,554	19,416	77	17	20.1	16.7	20.7	18.1	20.7	17.9	21.0	18.5	20.7	17.9
2013	90,038	20,819	75	17	20.1	16.5	20.6	17.9	20.8	17.8	21.0	18.2	20.7	17.7
2014	88,119	20,371	73	17	20.4	16.7	20.7	18.0	21.0	18.0	21.2	18.5	20.9	17.9
2015	86,167	19,724	73	17	20.4	16.8	20.6	18.0	21.2	18.3	21.2	18.4	21.0	18.0
<b>2016</b>	<b>82,750</b>	<b>19,020</b>	<b>72</b>	<b>16</b>	<b>20.8</b>	<b>17.4</b>	<b>20.6</b>	<b>18.0</b>	<b>21.5</b>	<b>18.6</b>	<b>21.3</b>	<b>18.5</b>	<b>21.2</b>	<b>18.2</b>

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity**

	2012			2013			2014			2015			2016		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>114,727</b>	<b>100</b>	<b>20.1</b>	<b>120,451</b>	<b>100</b>	<b>19.9</b>	<b>119,990</b>	<b>100</b>	<b>20.1</b>	<b>118,555</b>	<b>100</b>	<b>20.1</b>	<b>115,454</b>	<b>100</b>	<b>20.3</b>
Black/African American	16,048	14	16.0	15,857	13	16.0	15,824	13	16.2	15,608	13	16.3	14,723	13	16.5
American Indian/Alaska Native	731	1	17.7	704	1	17.2	716	1	17.1	698	1	17.3	686	1	17.4
White	75,949	66	21.1	79,066	66	20.9	78,446	65	21.0	76,536	65	21.0	73,809	64	21.3
Hispanic/Latino	6,471	6	18.2	7,245	6	18.3	7,532	6	18.3	7,808	7	18.4	7,720	7	18.5
Asian	3,012	3	23.1	3,202	3	23.1	3,357	3	23.3	3,475	3	23.5	3,618	3	24.0
Native Hawaiian/Other Pacific Islander	179	0	19.4	128	0	18.7	127	0	19.0	131	0	19.5	130	0	19.2
Two or more races	4,117	4	19.5	4,700	4	19.5	4,855	4	19.7	4,990	4	19.8	5,092	4	19.9
Prefer not to respond/No response	8,220	7	19.4	9,549	8	19.3	9,133	8	19.3	9,309	8	19.5	9,676	8	19.5

Total Students in Report: 115,454

**Table 1.6. Five Year Trends—Achievement in STEM<sup>1</sup>**

Year	All Tested Students						Students Meeting STEM Benchmarks			
	Number of Students Tested		Avg. STEM Score		Percent Meeting STEM Benchmark		Avg. Mathematics Score		Avg. Science Score	
	State	National	State	National	State	National	State	National	State	National
2012	114,727	1,666,017	20.5	21.3	16	20	28.5	28.7	28.1	27.9
2013	120,451	1,799,243	20.3	21.1	16	19	28.5	28.7	28.2	28.0
2014	119,990	1,845,787	20.4	21.1	16	20	28.5	28.7	28.3	28.3
2015	118,555	1,924,436	20.4	21.1	16	20	28.5	28.7	28.4	28.4
<b>2016</b>	<b>115,454</b>	<b>2,090,342</b>	<b>20.4</b>	<b>20.9</b>	<b>17</b>	<b>20</b>	<b>28.4</b>	<b>28.7</b>	<b>28.6</b>	<b>28.6</b>

<sup>1</sup>The STEM score describes students' overall proficiency in mathematics and science.

**Table 1.7. Proficiency In Understanding Complex Texts<sup>1</sup>**

Year	Text Complexity Proficiency Level																	
	Below Proficient						Proficient						Above Proficient					
	N		Percent		Avg. Reading		N		Percent		Avg. Reading		N		Percent		Avg. Reading	
State	National	State	National	State	National	State	National	State	National	State	National	State	National	State	National	State	National	
2012	0	0	0	0	.	.	0	0	0	0	.	.	0	0	0	0	.	.
2013	0	0	0	0	.	.	0	0	0	0	.	.	0	0	0	0	.	.
2014	0	0	0	0	.	.	0	0	0	0	.	.	0	0	0	0	.	.
2015	0	0	0	0	.	.	0	0	0	0	.	.	0	0	0	0	.	.
<b>2016</b>	11,629	485,762	10	23	17.3	17.0	8,671	322,548	8	15	23.7	23.6	5,586	235,380	5	11	30.1	30.3

<sup>1</sup>The text complexity indicator, beginning in Fall 2015, represents students' progress toward understanding complex written material often encountered in college and careers.

Total Students in Report: 115,454

**Table 1.8. Average ACT College Reportable Scores by Test Session Duration**

Student Group	Test Session Duration	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Standard Time	105,572	91	20.3	20.2	21.0	20.8	20.7
	Extended Time	9,882	9	14.6	16.5	16.8	16.8	16.3
	Total	115,454	100	19.9	19.9	20.7	20.5	20.3
National	Standard Time	1,985,389	95	20.3	20.7	21.4	20.9	21.0
	Extended Time	104,953	5	16.6	18.0	18.9	18.2	18.0
	Total	2,090,342	100	20.1	20.6	21.3	20.8	20.8

**Table 1.9. Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration**

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Standard Time	64	38	42	37	25
	Extended Time	26	11	17	13	7
	Total	60	36	40	35	23
National	Standard Time	63	42	45	37	27
	Extended Time	39	22	31	23	16
	Total	61	41	44	36	26

# Section II

## Academic Achievement

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 115,454

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

ACT Score	English		Mathematics		Reading		Science		Composite		STEM		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
36	372	100	300	100	475	100	600	100	80	100	290	100	36
35	1,699	99	686	99	1,041	99	718	99	424	99	518	99	35
34	1,800	98	574	99	1,974	99	1,004	99	794	99	698	99	34
33	1,476	97	1,050	99	1,848	97	1,242	98	1,143	99	874	99	33
32	1,427	95	807	98	2,980	95	791	97	1,399	98	1,111	98	32
31	1,826	94	1,035	97	2,259	93	1,432	96	1,701	97	1,386	97	31
30	2,380	93	1,342	96	2,558	91	1,372	95	2,213	95	1,666	96	30
29	1,725	90	2,288	95	2,645	89	1,188	94	2,409	93	2,036	94	29
28	3,269	89	3,064	93	2,923	86	2,335	93	3,032	91	2,748	93	28
27	2,436	86	3,756	90	3,076	84	3,956	91	3,741	89	3,731	90	27
26	3,720	84	5,306	87	4,023	81	3,713	87	4,209	85	4,835	87	26
25	5,296	81	4,063	82	3,604	78	7,412	84	5,044	82	5,667	83	25
24	5,893	76	6,736	79	4,055	75	8,624	78	5,676	77	6,200	78	24
23	5,175	71	5,012	73	7,756	71	5,859	70	6,272	72	6,219	72	23
22	6,366	67	5,280	69	5,175	64	9,972	65	6,748	67	6,162	67	22
21	8,021	61	3,251	64	9,335	60	5,750	57	7,335	61	6,861	62	21
20	7,004	54	5,037	61	5,710	52	10,336	52	7,647	55	7,577	56	20
19	4,995	48	3,985	57	6,125	47	6,668	43	7,675	48	8,846	49	19
18	4,876	44	8,867	54	9,337	41	9,256	37	7,906	41	9,657	42	18
17	5,012	40	10,153	46	5,786	33	5,074	29	7,861	35	9,585	33	17
16	5,748	35	17,048	37	5,215	28	5,325	24	7,495	28	7,842	25	16
15	7,384	30	14,199	22	5,773	24	4,401	20	7,065	21	7,930	18	15
14	6,626	24	7,216	10	7,956	19	6,385	16	6,588	15	6,284	11	14
13	4,420	18	2,905	4	4,036	12	3,298	10	5,565	10	3,964	6	13
12	3,922	14	1,118	1	5,677	8	3,522	8	3,770	5	1,993	2	12
11	3,839	11	226	1	1,858	4	2,040	5	1,354	1	608	1	11
10	4,379	8	93	1	1,161	2	1,419	3	243	1	128	1	10
9	2,044	4	35	1	605	1	1,007	2	45	1	25	1	9
8	1,607	2	9	1	290	1	601	1	11	1	7	1	8
7	515	1	9	1	137	1	98	1	5	1	3	1	7
6	156	1	2	1	1	1	3	1	3	1	1	1	6
5	26	1	0	1	42	1	25	1	0	1	0	1	5
4	12	1	1	1	14	1	24	1	0	1	0	1	4
3	3	1	0	1	0	1	0	1	1	1	1	1	3
2	2	1	0	1	3	1	4	1	0	1	1	1	2
1	3	1	1	1	1	1	0	1	0	1	0	1	1
Avg (SD)	19.9 (6.6)		19.9 (5.3)		20.7 (6.2)		20.5 (5.6)		20.3 (5.4)		20.4 (5.1)		Avg (SD)

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

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Total Students in Report: 115,454

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

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	3,653	100	1,399	100	2,297	100	3,113	100	2,873	100	744	100	811	100	18
17	4,892	97	2,506	99	4,972	98	4,775	97	3,141	98	1,052	99	80	99	17
16	4,803	93	4,535	97	6,332	94	6,051	93	3,738	95	2,320	98	4,190	99	16
15	4,143	88	7,475	93	4,651	88	6,628	88	4,709	92	5,262	96	4,682	96	15
14	3,501	85	7,636	86	10,928	84	6,448	82	5,901	87	8,340	92	6,969	92	14
13	7,127	82	7,800	80	7,146	75	7,351	77	10,533	82	7,202	85	10,111	86	13
12	7,957	76	11,998	73	9,880	69	8,510	70	7,231	73	14,445	78	7,953	77	12
11	8,749	69	11,478	62	9,596	60	9,154	63	8,388	67	10,963	66	12,088	70	11
10	12,889	61	9,709	53	11,484	52	9,847	55	7,549	60	12,720	56	11,453	59	10
9	10,261	50	13,404	44	13,150	42	9,390	46	8,415	53	15,044	45	17,436	49	9
8	9,955	41	9,955	32	11,595	30	8,711	38	13,575	46	20,484	32	18,360	34	8
7	9,537	33	8,771	24	10,250	20	12,408	31	18,468	34	3,461	15	3,398	18	7
6	8,989	24	7,015	16	6,842	11	7,437	20	11,166	18	7,218	12	8,037	16	6
5	8,400	16	6,267	10	3,894	5	9,842	14	4,867	8	721	5	6,249	9	5
4	5,549	9	3,716	5	1,578	2	3,246	5	2,835	4	3,657	5	92	3	4
3	3,559	4	1,567	2	633	1	1,644	2	1,833	2	1,146	2	2,786	3	3
2	1,398	1	210	1	125	1	880	1	205	1	365	1	29	1	2
1	92	1	13	1	101	1	19	1	27	1	310	1	730	1	1
Avg (SD)	9.7 (4.0)		10.2 (3.5)		10.7 (3.5)		10.2 (4.0)		9.8 (3.7)		10.1 (3.1)		9.9 (3.2)		Avg (SD)

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

**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	24	24	25	24	24
Q2 (50th Percentile)	20	18	20	20	20
Q1 (25th Percentile)	15	16	16	17	16

Total Students in Report: 115,454

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	115,454	72	21.2	18.2
	Black/African American	14,723	65	17.2	15.4
	American Indian/Alaska Native	686	63	18.4	15.7
	White	73,809	76	21.9	19.2
	Hispanic/Latino	7,720	68	19.3	16.9
	Asian	3,618	77	25.0	20.6
	Native Hawaiian/Other Pac. Isl.	130	68	20.1	17.5
	Two or More Races	5,092	72	20.7	18.2
	Prefer not/No Response	9,676	53	21.0	17.4
National	All Students	2,090,342	69	21.9	18.7
	Black/African American	272,363	64	17.8	15.7
	American Indian/Alaska Native	16,183	57	18.9	16.3
	White	1,119,398	73	23.2	20.0
	Hispanic/Latino	337,280	69	19.5	17.3
	Asian	93,493	78	24.7	22.1
	Native Hawaiian/Other Pac. Isl.	6,797	61	20.1	16.6
	Two or More Races	85,494	70	21.9	19.0
	Prefer not/No Response	159,334	48	22.3	18.2

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

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

Student Group	Race/Ethnicity	N	Percent	English	Mathematics	Reading	Science	Composite	STEM
State	All Students	115,454	100	19.9	19.9	20.7	20.5	20.3	20.4
	Black/African American	14,723	13	15.5	16.3	16.8	16.8	16.5	16.8
	American Indian/Alaska Native	686	1	16.3	17.3	17.7	17.7	17.4	17.8
	White	73,809	64	21.0	20.7	21.6	21.4	21.3	21.3
	Hispanic/Latino	7,720	7	17.6	18.1	18.9	18.8	18.5	18.7
	Asian	3,618	3	23.5	24.9	23.2	23.7	24.0	24.5
	Native Hawaiian/Other Pac. Isl.	130	0	18.5	19.0	19.5	19.3	19.2	19.4
	Two or More Races	5,092	4	19.5	19.2	20.4	20.1	19.9	19.9
	Prefer not/No Response	9,676	8	18.9	19.1	19.9	19.5	19.5	19.6
National	All Students	2,090,342	100	20.1	20.6	21.3	20.8	20.8	20.9
	Black/African American	272,363	13	15.8	17.0	17.4	17.2	17.0	17.3
	American Indian/Alaska Native	16,183	1	16.3	17.7	18.2	18.1	17.7	18.2
	White	1,119,398	54	21.9	21.7	22.8	22.1	22.2	22.1
	Hispanic/Latino	337,280	16	17.6	18.8	19.2	18.9	18.7	19.1
	Asian	93,493	4	23.3	25.0	23.7	23.6	24.0	24.6
	Native Hawaiian/Other Pac. Isl.	6,797	0	17.4	18.9	18.9	18.6	18.6	19.0
	Two or More Races	85,494	4	20.4	20.5	21.6	20.9	21.0	21.0
	Prefer not/No Response	159,334	8	19.3	20.0	20.6	20.0	20.1	20.3



Total Students in Report: 115,454

**Table 2.6. Average ACT Composite Scores for Gender by Level of Preparation**

Student Group	Gender	Number of Students Tested	Percent Taking Core or More <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	Males	56,901	71	21.2	17.9
	Females	56,347	75	21.2	18.7
	No Response	2,206	26	19.4	16.4
National	Males	971,383	68	22.1	18.5
	Females	1,074,049	72	21.7	19.1
	No Response	44,910	28	19.3	16.5

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

Student Group	Gender	N	Percent	English	Mathematics	Reading	Science	Composite	STEM
State	Males	56,901	49	19.3	20.2	20.2	20.6	20.2	20.6
	Females	56,347	49	20.5	19.6	21.2	20.4	20.5	20.3
	No Response	2,206	2	18.0	18.2	19.0	18.8	18.6	18.7
National	Males	971,383	46	19.8	21.0	21.0	21.1	20.9	21.3
	Females	1,074,049	51	20.6	20.3	21.6	20.6	20.9	20.7
	No Response	44,910	2	16.5	17.9	18.0	17.9	17.7	18.2

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# Section III

## College and Career Readiness and the Impact of Course Rigor

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 115,454

**Table 3.1. Percent of Students in College and Career Readiness Standards (CCRS) Score Ranges**

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	5,347	5	2,610	2	5,338	5	3,564	3
	28 to 32	10,627	9	8,536	7	13,365	12	7,118	6
	24 to 27	17,345	15	19,861	17	14,758	13	23,705	21
	20 to 23	26,566	23	18,580	16	27,976	24	31,917	28
	16 to 19	20,631	18	40,053	35	26,463	23	26,323	23
	13 to 15	18,430	16	24,320	21	17,765	15	14,084	12
	01 to 12	16,508	14	1,494	1	9,789	8	8,743	8
National	33 to 36	116,080	6	59,483	3	130,942	6	72,515	3
	28 to 32	200,641	10	192,181	9	275,075	13	157,797	8
	24 to 27	315,883	15	404,868	19	295,645	14	407,121	19
	20 to 23	472,860	23	351,510	17	483,472	23	578,034	28
	16 to 19	378,663	18	701,208	34	451,883	22	502,407	24
	13 to 15	317,275	15	353,660	17	297,137	14	234,398	11
	01 to 12	288,940	14	27,432	1	156,188	7	138,070	7

**Table 3.2. Percent of Students Who Met College Readiness Benchmark Scores by Gender**

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	57	38	38	37	24
	Females	64	34	43	34	23
	No Response	50	22	30	23	13
National	Males	59	44	43	39	28
	Females	64	39	47	34	25
	No Response	39	21	24	18	11

Total Students in Report: 115,454

**Table 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity**

Student Group	N	English	Mathematics	Reading	Science	All Four	STEM	
		Benchmark=18 %	Benchmark=22 %	Benchmark=22 %	Benchmark=23 %	%	Benchmark=26 %	
<b>State</b>	<b>All Students</b>	<b>115,454</b>	<b>60</b>	<b>36</b>	<b>40</b>	<b>35</b>	<b>23</b>	<b>17</b>
	Black/African American	14,723	30	9	14	9	4	3
	American Indian/Alaska Native	686	37	18	21	16	9	6
	White	73,809	69	42	47	42	28	20
	Hispanic/Latino	7,720	46	22	28	21	12	8
	Asian	3,618	74	67	55	55	44	44
	Native Hawaiian/Other Pac. Isl	130	53	29	32	27	18	15
	Two or More Races	5,092	59	30	38	31	19	14
	Prefer Not to Respond	9,676	53	30	36	29	20	15
<b>National</b>	<b>All Students</b>	<b>2,090,342</b>	<b>61</b>	<b>41</b>	<b>44</b>	<b>36</b>	<b>26</b>	<b>20</b>
	Black/African American	272,363	33	13	19	11	6	3
	American Indian/Alaska Native	16,183	37	18	25	16	9	6
	White	1,119,398	73	50	55	46	34	25
	Hispanic/Latino	337,280	46	27	30	21	14	9
	Asian	93,493	75	70	59	56	46	44
	Native Hawaiian/Other Pac. Isl	6,797	45	29	30	23	16	11
	Two or More Races	85,494	64	40	46	36	26	19
	Prefer Not to Respond	159,334	55	36	40	32	24	19

**Table 3.4. Progress Toward Career Readiness<sup>1</sup>**

Student Group	Progress Toward NCRC <sup>2</sup> Level	N		Average Composite
		N	%	
<b>State</b>	Gold	75,448	65	23.3
	Silver	29,009	25	15.6
	Bronze	9,335	8	12.6
	Needs Improvement	1,662	1	10.8
<b>National</b>	Gold	1,418,678	68	23.7
	Silver	496,817	24	15.6
	Bronze	142,375	7	12.6
	Needs Improvement	32,472	2	10.4

<sup>1</sup> Progress reflects degree to which students are on track for attaining workplace employability skills critical to job success.

<sup>2</sup> Additional information on the ACT NCRC (National Career Readiness Certificate) can be found at [www.act.org](http://www.act.org).

Total Students in Report: 115,454

**Table 3.5. College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite <sup>4</sup>		STEM	
			%	Avg	%	Avg	%	Avg	%	Avg	%	Avg	%	Avg
State	Core or More <sup>2</sup>	82,750	67	20.8	41	20.6	45	21.5	40	21.3	27	21.2	21	21.2
	Less than Core	19,020	44	17.4	21	18.0	27	18.6	21	18.5	12	18.2	8	18.5
	Missing <sup>3</sup>	13,684	43	17.3	21	17.9	27	18.5	22	18.4	13	18.2	9	18.4
National	Core or More	1,441,538	69	21.3	48	21.5	51	22.3	43	21.7	32	21.9	24	21.9
	Less than Core	483,335	46	17.8	26	18.7	31	19.2	23	18.8	15	18.7	11	19.0
	Missing	165,469	38	16.4	20	17.7	24	18.0	18	17.8	11	17.6	8	18.0

<sup>1</sup> "Curriculum Taken" reflects overall high school curriculum in this table.

<sup>2</sup> "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

<sup>3</sup> Zero years or no coursework information reported in one or more content areas.

<sup>4</sup> Composite College Readiness Benchmark % results reflect students who met all four subject-area benchmarks.

**Table 3.6. College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
State	Core or More <sup>2</sup>	93,050	65	20.5	98,773	39	20.2	95,891	43	21.2	94,228	38	20.9
	Less than Core	10,067	38	16.3	4,005	10	16.4	6,704	19	17.3	8,070	23	18.8
	Missing <sup>3</sup>	12,337	45	17.5	12,676	22	18.0	12,859	28	18.7	13,156	22	18.5
National	Core or More	1,821,855	65	20.7	1,834,921	44	21.0	1,707,404	48	21.8	1,679,561	41	21.4
	Less than Core	121,175	34	15.8	101,097	8	16.1	229,685	32	19.2	255,155	17	18.0
	Missing	147,312	40	16.6	154,324	20	17.8	153,253	25	18.2	155,626	19	18.0

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

<sup>2</sup> "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

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

<sup>3</sup> Zero years or no coursework information reported in the specified content area.

Total Students in Report: 115,454

**Table 3.7. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Common Course Patterns**

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	21,291	18	22.2	75	385,251	18	21.7	71
Eng 9, Eng 10, Eng 11, Eng 12	71,759	62	20.0	62	1,436,604	69	20.4	63
Less than 4 years of English	10,067	9	16.3	38	121,175	6	15.8	34
Zero years / no English courses reported	12,337	11	17.5	45	147,312	7	16.6	40
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	5,566	5	21.6	51	125,390	6	23.2	63
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,116	6	21.4	52	163,212	8	21.6	52
Alg 1, Alg 2, Geom, & Trig	6,927	6	18.7	27	126,596	6	18.9	27
Alg 1, Alg 2, Geom, & Other Adv Math	18,556	16	19.3	32	379,347	18	19.3	30
Other comb of 4 or more years of Math	32,891	28	23.0	61	689,169	33	23.6	64
Alg 1, Alg 2, & Geom	20,542	18	16.9	11	243,569	12	16.8	10
Other comb of 3 or 3.5 years of Math	7,175	6	18.5	24	107,638	5	19.5	32
Less than 3 years of Math	4,005	3	16.4	10	101,097	5	16.1	8
Zero years / no Math courses reported	12,676	11	18.0	22	154,324	7	17.8	20
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	635	1	21.1	44	51,783	2	22.1	50
Other comb of 4 or more years Social Science	59,157	51	21.8	48	979,530	47	22.3	51
US Hist, World Hist, & Am Gov	2,519	2	19.0	29	120,501	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	33,580	29	20.2	36	555,590	27	21.4	45
Less than 3 years of Social Science	6,704	6	17.3	19	229,685	11	19.2	32
Zero years / no Social Science courses reported	12,859	11	18.7	28	153,253	7	18.2	25
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	44,079	38	21.4	42	844,557	40	22.1	46
Bio, Chem, Phys	11,713	10	22.7	50	233,024	11	23.0	52
Gen Sci <sup>1</sup> , Bio, Chem	32,389	28	20.0	30	542,380	26	20.0	29
Other comb of 3 years of Natural Science	6,047	5	19.4	25	59,600	3	19.0	23
Less than 3 years of Natural Science	8,070	7	18.8	23	255,155	12	18.0	17
Zero years / no Natural Science courses reported	13,156	11	18.5	22	155,626	7	18.0	19

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

Total Students in Report: 115,454

**Table 3.8. College Readiness Benchmark (CRB) Percent and Average ACT Scores for Gender by Common Course Patterns**

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	% Who Met Benchmark	N	Percent	ACT English	% Who Met Benchmark	N	Percent	ACT English	% Who Met Benchmark
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	21,291	18	22.2	75	8,911	16	21.7	71	12,258	22	22.7	78
Eng 9, Eng 10, Eng 11, Eng 12	71,759	62	20.0	62	36,333	64	19.7	59	34,873	62	20.5	65
Less than 4 years of English	10,067	9	16.3	38	5,641	10	15.8	35	4,255	8	17.1	44
Zero years / no English courses reported	12,337	11	17.5	45	6,016	11	16.9	41	4,961	9	17.9	47
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	5,566	5	21.6	51	2,743	5	21.9	53	2,790	5	21.2	48
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,116	6	21.4	52	2,816	5	21.9	56	4,267	8	21.1	49
Alg 1, Alg 2, Geom, & Trig	6,927	6	18.7	27	3,322	6	19.0	31	3,541	6	18.5	24
Alg 1, Alg 2, Geom, & Other Adv Math	18,556	16	19.3	32	7,799	14	19.5	34	10,587	19	19.2	30
Other comb of 4 or more years of Math	32,891	28	23.0	61	17,237	30	23.5	64	15,484	27	22.5	58
Alg 1, Alg 2, & Geom	20,542	18	16.9	11	10,731	19	17.1	12	9,576	17	16.7	9
Other comb of 3 or 3.5 years of Math	7,175	6	18.5	24	3,772	7	18.8	27	3,333	6	18.2	22
Less than 3 years of Math	4,005	3	16.4	10	2,268	4	16.5	11	1,675	3	16.3	9
Zero years / no Math courses reported	12,676	11	18.0	22	6,213	11	18.1	23	5,094	9	17.8	20
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	635	1	21.1	44	393	1	20.7	43	233	0	21.8	47
Other comb of 4 or more years Social Science	59,157	51	21.8	48	26,766	47	21.5	46	32,008	57	22.1	50
US Hist, World Hist, & Am Gov	2,519	2	19.0	29	1,477	3	18.8	29	1,011	2	19.3	28
Other comb of 3 or 3.5 years of Social Science	33,580	29	20.2	36	18,033	32	20.0	35	15,224	27	20.5	38
Less than 3 years of Social Science	6,704	6	17.3	19	3,908	7	16.9	17	2,710	5	17.9	21
Zero years / no Social Science courses reported	12,859	11	18.7	28	6,324	11	18.2	26	5,161	9	19.1	30
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	44,079	38	21.4	42	22,941	40	21.7	44	20,821	37	21.1	39
Bio, Chem, Phys	11,713	10	22.7	50	6,163	11	23.1	53	5,473	10	22.3	47
Gen Sci <sup>2</sup> , Bio, Chem	32,389	28	20.0	30	14,008	25	19.7	29	18,104	32	20.2	31
Other comb of 3 years of Natural Science	6,047	5	19.4	25	3,388	6	19.6	28	2,595	5	19.1	22
Less than 3 years of Natural Science	8,070	7	18.8	23	3,952	7	18.4	22	4,025	7	19.3	25
Zero years / no Natural Science courses reported	13,156	11	18.5	22	6,449	11	18.5	23	5,329	9	18.4	21

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



# Section IV

## Career and Educational Aspirations

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 115,454

**Table 4.1. Distribution of Planned Educational Majors for All Students 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	Avg ACT Comp	N	Percent	Avg ACT Comp
Agriculture & Natural Resources Conservation	1,544	1	19.0	360	3	16.4	1,098	1	20.1
Architecture	965	1	20.0	103	1	15.9	817	1	20.6
Area, Ethnic, & Multidisciplinary Studies	142	0	20.7	19	0	15.9	118	0	21.6
Arts: Visual & Performing	8,329	7	19.7	1,293	12	17.0	6,490	8	20.4
Business	9,999	9	20.8	998	9	16.6	8,673	10	21.3
Communications	1,832	2	20.9	147	1	16.5	1,622	2	21.4
Community, Family, & Personal Services	5,220	5	17.9	1,196	11	16.6	3,694	4	18.5
Computer Science & Mathematics	3,437	3	22.6	323	3	18.0	2,991	4	23.2
Education	4,116	4	20.5	258	2	16.0	3,724	4	20.9
Engineering	8,900	8	22.7	713	6	16.2	7,829	9	23.5
Engineering Technology & Drafting	2,256	2	19.7	472	4	16.3	1,666	2	20.8
English & Foreign Languages	1,217	1	23.0	73	1	19.3	1,088	1	23.4
Health Administration & Assisting	2,459	2	18.0	332	3	16.0	2,018	2	18.4
Health Sciences & Technologies	20,572	18	21.1	981	9	16.4	18,966	23	21.4
Philosophy, Religion, & Theology	439	0	21.4	39	0	17.5	369	0	21.9
Repair, Production, & Construction	2,951	3	17.3	1,441	13	16.8	1,263	2	18.2
Sciences: Biological & Physical	4,912	4	23.8	129	1	17.4	4,604	6	24.0
Social Sciences & Law	8,067	7	21.3	336	3	17.1	7,438	9	21.6
Undecided	9,212	8	21.5	865	8	16.5	7,261	9	22.4
No Response	18,267	16	17.7	917	8	14.9	1,491	2	17.0

<sup>1</sup>2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

<sup>2</sup>Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 115,454

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

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Black/African American		American Indian/ Alaska Native		White		Hispanic/Latino	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	3,105	16.0	449	13.9	30	14.9	1,915	16.6	244	15.2
2-yr College Degree	8,112	16.6	1,150	14.5	78	15.1	5,257	17.3	681	15.5
Bachelors Degree	47,174	20.1	5,911	16.4	259	17.6	32,083	21.1	3,204	18.6
Graduate Study	14,592	23.3	1,422	18.5	54	20.3	10,004	24.1	809	21.0
Prof. Level Degree	21,793	22.9	2,961	18.5	115	20.3	13,373	23.8	1,368	20.9
Other	2,814	17.0	301	14.9	27	14.8	1,777	17.5	209	15.6
No Response	17,864	18.2	2,529	14.7	123	15.6	9,400	19.4	1,205	16.5

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	3,105	16.0	63	16.3	3	16.3	114	16.7	287	15.5
2-yr College Degree	8,112	16.6	68	16.3	8	14.6	329	17.0	541	15.9
Bachelors Degree	47,174	20.1	1,061	21.4	53	18.6	2,028	19.4	2,575	19.4
Graduate Study	14,592	23.3	695	26.1	19	19.3	622	22.6	967	22.8
Prof. Level Degree	21,793	22.9	1,290	27.1	35	22.9	1,081	22.4	1,570	22.7
Other	2,814	17.0	67	18.0	2	16.5	125	17.2	306	17.0
No Response	17,864	18.2	374	20.1	10	14.3	793	18.0	3,430	18.2

Total Students in Report: 115,454

**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
MICHIGAN STATE UNIVERSITY	Michigan	32,508	12,307	20,201	2	10	21	27	24	13	2
CENTRAL MICHIGAN UNIVERSITY	Michigan	20,269	5,338	14,931	2	11	30	32	18	6	0
UNIVERSITY OF MICHIGAN-ANN ARBOR	Michigan	19,416	7,401	12,015	1	7	15	21	26	24	6
GRAND VALLEY STATE UNIVERSITY	Michigan	18,558	4,564	13,994	1	9	25	33	22	9	1
WESTERN MICHIGAN UNIVERSITY	Michigan	14,491	3,107	11,384	2	13	29	31	18	7	1
FERRIS STATE UNIVERSITY	Michigan	11,656	3,219	8,437	2	16	34	29	14	4	0
WAYNE STATE UNIVERSITY	Michigan	10,620	2,636	7,984	4	18	29	25	15	7	1
OAKLAND UNIVERSITY	Michigan	9,865	2,596	7,269	2	12	28	29	20	8	1
EASTERN MICHIGAN UNIVERSITY	Michigan	9,841	2,306	7,535	4	17	32	27	14	5	0
SAGINAW VALLEY STATE UNIVERSITY	Michigan	6,778	1,580	5,198	2	15	33	30	15	4	0
MICHIGAN TECHNOLOGICAL UNIVERSITY	Michigan	5,167	1,376	3,791	3	11	18	24	24	17	3
GRAND RAPIDS COMMUNITY COLLEGE	Michigan	4,847	1,749	3,098	5	21	34	26	10	3	0
STATE-NO COLLEGE PLANS	Iowa	4,757	4,757	0	17	37	28	13	4	1	0
NORTHERN MICHIGAN UNIVERSITY	Michigan	4,619	1,378	3,241	2	11	30	32	19	6	0
UNIVERSITY OF MICHIGAN-DEARBORN	Michigan	4,187	915	3,272	3	14	25	28	20	10	1
NCAA ELIGIBILITY CENTER	Indiana	3,570	1,546	2,024	2	14	30	27	17	8	1
OAKLAND COMMUNITY COLLEGE	Michigan	3,207	1,037	2,170	6	22	36	24	8	3	0
LANSING COMMUNITY COLLEGE	Michigan	2,988	1,166	1,822	5	24	35	24	9	2	0
UNIVERSITY OF MICHIGAN-FLINT	Michigan	2,923	707	2,216	3	15	28	27	17	8	1
MACOMB COMMUNITY COLLEGE	Michigan	2,870	1,157	1,713	7	27	36	21	8	1	0
DAVENPORT UNIVERSITY	Michigan	2,867	669	2,198	3	18	36	29	11	3	0
KALAMAZOO VALLEY COMMUNITY COLLEGE	Michigan	2,622	1,138	1,484	7	24	34	23	10	3	0
DELTA COLLEGE	Michigan	2,429	1,085	1,344	5	22	35	25	10	2	0
LAKE SUPERIOR STATE UNIVERSITY	Michigan	2,291	679	1,612	2	13	30	32	17	6	0
HOPE COLLEGE	Michigan	2,092	480	1,612	1	5	14	26	29	21	4
HENRY FORD COMMUNITY COLLEGE	Michigan	2,034	603	1,431	10	34	35	15	5	1	0
UNIVERSITY OF DETROIT MERCY	Michigan	1,832	318	1,514	2	15	26	29	19	9	1
LAWRENCE TECHNOLOGICAL UNIVERSITY	Michigan	1,785	504	1,281	2	8	22	25	24	16	2
OHIO STATE UNIVERSITY THE	Ohio	1,773	358	1,415	5	20	27	18	17	11	3
SCHOOLCRAFT COLLEGE	Michigan	1,615	529	1,086	5	23	37	23	10	2	0
All Other Institutions		124,469	31,655	92,814	4	17	27	23	15	10	3
<b>Total</b>		<b>338,946</b>	<b>98,860</b>	<b>240,086</b>	<b>4</b>	<b>15</b>	<b>27</b>	<b>26</b>	<b>17</b>	<b>9</b>	<b>2</b>

# Section V

## Optional Writing Test Results

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 115,454

**Table 5.1. Average ACT Writing and English/Language Arts Scores by Race/Ethnicity and Gender for students who took ACT Writing<sup>1</sup>**

	Average ACT Scores									
	N		Writing		English		Reading		English / Language Arts	
	State	National	State	National	State	National	State	National	State	National
<b>All Students</b>	<b>12,297</b>	<b>519,922</b>	<b>18.9</b>	<b>19.3</b>	<b>22.1</b>	<b>21.8</b>	<b>22.5</b>	<b>22.9</b>	<b>21.2</b>	<b>21.3</b>
Black/African American	2,289	67,101	15.5	16.2	17.2	17.6	18.2	19.1	17.0	17.6
American Indian/Alaska Native	35	3,056	16.5	16.1	19.1	17.6	20.6	19.3	18.7	17.7
White	6,757	234,063	19.9	20.4	23.5	23.9	23.8	24.7	22.4	23.0
Hispanic/Latino	754	116,135	18.4	17.8	20.3	18.8	21.2	20.3	20.0	19.0
Asian	1,050	44,606	20.2	21.5	24.4	24.5	23.6	24.7	22.7	23.6
Native Hawaiian/Other Pac. Isl.	15	1,742	17.7	19.3	18.8	20.6	20.1	21.4	18.9	20.4
Two or More Races	528	21,475	19.0	19.9	21.9	22.6	22.5	23.6	21.1	22.0
Prefer not/No Response	869	31,744	19.4	19.9	22.9	22.8	23.1	23.8	21.8	22.2
Males	5,445	220,204	18.5	18.9	21.9	21.9	22.3	22.9	20.9	21.2
Females	6,852	298,512	19.3	19.6	22.3	21.8	22.6	22.8	21.4	21.4
No Response	0	1,206	.	16.3	.	16.8	.	19.0	.	17.3

<sup>1</sup>Results based on students with ACT Writing scores from test events beginning September 2015. Score scale is 1-36.

**Table 5.2. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing<sup>1</sup>**

	Average ACT Scores							
	N		English		Writing		English / Writing Combined	
	State	National	State	National	State	National	State	National
<b>All Students</b>	<b>84,028</b>	<b>754,169</b>	<b>19.1</b>	<b>19.6</b>	<b>6.5</b>	<b>6.2</b>	<b>18.4</b>	<b>18.6</b>
Black/African American	10,005	85,940	14.7	14.6	5.6	5.1	14.4	13.9
American Indian/Alaska Native	591	5,558	15.9	15.2	5.8	5.0	15.4	14.2
White	53,914	407,944	20.1	21.4	6.7	6.5	19.4	20.2
Hispanic/Latino	5,882	115,338	16.9	17.1	6.2	6.0	16.6	16.5
Asian	1,939	30,233	23.5	23.2	7.2	7.1	22.4	22.0
Native Hawaiian/Other Pac. Isl.	96	3,063	18.2	15.9	6.4	5.6	17.8	15.3
Two or More Races	3,896	32,453	18.8	19.6	6.5	6.2	18.2	18.5
Prefer not/No Response	7,705	73,640	18.1	18.8	6.1	6.0	17.4	17.7
Males	42,998	367,696	18.6	19.2	6.2	5.9	17.8	18.0
Females	38,839	356,634	19.7	20.3	6.8	6.6	19.2	19.4
No Response	2,191	29,839	18.1	16.7	6.2	5.5	17.4	15.8

<sup>1</sup>Results based on students with ACT Writing scores from test events before September 2015. Score scale is 2-12.



