



# Profile Report - State

Graduating Class 2016

Arizona



## 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:** 36,285 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. 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 3.8 reports 4% of the cohort took less than three years of math courses. Of these students, 11% were college ready. 8% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 10% 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 21% 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 3.1 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 54% 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

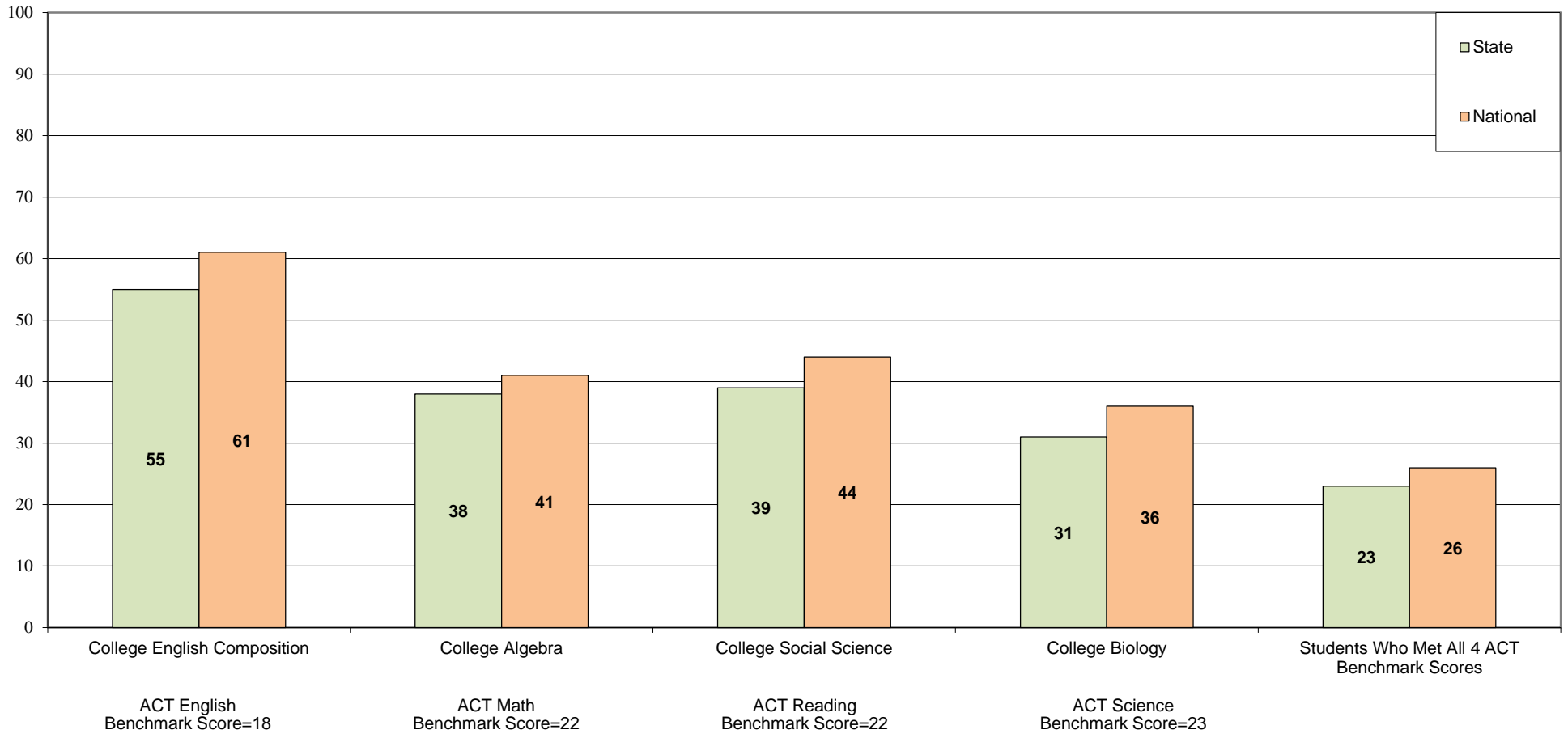
## Executive Summary

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: 36,285

**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	29,876	1,666,017	54	67	39	46	42	52	23	31	20	25
2013	31,658	1,799,243	53	64	38	44	37	44	28	36	21	26
2014	33,999	1,845,787	54	64	37	43	37	44	29	37	21	26
2015	35,248	1,924,436	54	64	38	42	38	46	31	38	22	28
<b>2016</b>	<b>36,285</b>	<b>2,090,342</b>	<b>55</b>	<b>61</b>	<b>38</b>	<b>41</b>	<b>39</b>	<b>44</b>	<b>31</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	29,876	1,666,017	18.6	20.5	20.3	21.1	19.7	21.3	19.5	20.9	19.7	21.1
2013	31,658	1,799,243	18.5	20.2	20.3	20.9	19.6	21.1	19.4	20.7	19.6	20.9
2014	33,999	1,845,787	18.8	20.3	20.2	20.9	20.0	21.3	19.5	20.8	19.7	21.0
2015	35,248	1,924,436	18.8	20.4	20.2	20.8	20.2	21.4	19.7	20.9	19.9	21.0
<b>2016</b>	<b>36,285</b>	<b>2,090,342</b>	<b>19.1</b>	<b>20.1</b>	<b>20.2</b>	<b>20.6</b>	<b>20.5</b>	<b>21.3</b>	<b>20.0</b>	<b>20.8</b>	<b>20.1</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: 36,285

**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	18,138	9,204	61	31	20.4	16.1	21.7	18.3	21.3	17.6	20.9	17.6	21.2	17.5
2013	18,945	9,410	60	30	20.3	16.3	21.7	18.4	21.3	17.6	20.8	17.6	21.2	17.6
2014	20,182	10,403	59	31	20.5	16.6	21.6	18.4	21.6	18.1	21.0	17.6	21.3	17.8
2015	20,561	10,547	58	30	20.8	16.6	21.7	18.4	21.9	18.3	21.3	17.9	21.5	17.9
<b>2016</b>	<b>21,144</b>	<b>10,676</b>	<b>58</b>	<b>29</b>	<b>21.0</b>	<b>17.0</b>	<b>21.8</b>	<b>18.5</b>	<b>22.1</b>	<b>18.7</b>	<b>21.6</b>	<b>18.3</b>	<b>21.8</b>	<b>18.3</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>29,876</b>	<b>100</b>	<b>19.7</b>	<b>31,658</b>	<b>100</b>	<b>19.6</b>	<b>33,999</b>	<b>100</b>	<b>19.7</b>	<b>35,248</b>	<b>100</b>	<b>19.9</b>	<b>36,285</b>	<b>100</b>	<b>20.1</b>
Black/African American	1,312	4	17.0	1,380	4	17.1	1,452	4	17.1	1,551	4	17.2	1,538	4	17.7
American Indian/Alaska Native	1,328	4	16.5	1,312	4	16.4	1,364	4	16.6	1,333	4	16.6	1,284	4	16.8
White	11,797	39	22.3	12,210	39	22.3	12,906	38	22.4	13,252	38	22.6	13,946	38	22.6
Hispanic/Latino	11,676	39	17.4	12,312	39	17.4	13,345	39	17.5	14,389	41	17.6	14,394	40	17.9
Asian	1,015	3	22.4	1,070	3	22.5	1,160	3	22.8	1,183	3	23.3	1,245	3	23.9
Native Hawaiian/Other Pacific Islander	108	0	17.8	139	0	18.9	137	0	18.7	124	0	19.1	130	0	19.0
Two or more races	994	3	21.2	1,099	3	20.9	1,243	4	21.1	1,351	4	21.4	1,399	4	21.4
Prefer not to respond/No response	1,646	6	19.1	2,136	7	18.2	2,392	7	19.0	2,065	6	19.2	2,349	6	19.0

Total Students in Report: 36,285

**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	29,876	1,666,017	20.2	21.3	16	20	28.7	28.7	27.4	27.9
2013	31,658	1,799,243	20.1	21.1	15	19	28.8	28.7	27.6	28.0
2014	33,999	1,845,787	20.1	21.1	16	20	28.7	28.7	27.9	28.3
2015	35,248	1,924,436	20.2	21.1	16	20	28.6	28.7	28.1	28.4
<b>2016</b>	<b>36,285</b>	<b>2,090,342</b>	<b>20.4</b>	<b>20.9</b>	<b>17</b>	<b>20</b>	<b>28.6</b>	<b>28.7</b>	<b>28.3</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>	5,699	485,762	16	23	17.3	17.0	4,665	322,548	13	15	23.6	23.6	3,345	235,380	9	11	30.3	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: 36,285

**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	35,679	98	19.2	20.3	20.5	20.1	20.1
	Extended Time	606	2	15.7	17.6	17.8	17.5	17.3
	Total	36,285	100	19.1	20.2	20.5	20.0	20.1
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	55	39	40	31	23
	Extended Time	34	20	24	20	14
	Total	55	38	39	31	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: 36,285

**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	125	100	98	100	207	100	163	100	24	100	67	100	36
35	509	99	190	99	436	99	223	99	150	99	152	99	35
34	390	98	202	99	544	98	297	99	212	99	203	99	34
33	490	97	243	99	642	97	233	98	329	99	266	99	33
32	402	96	281	98	738	95	341	97	421	98	323	98	32
31	504	95	362	97	832	93	378	97	527	97	415	97	31
30	543	93	482	96	951	91	340	95	657	95	508	96	30
29	532	92	694	95	778	88	584	95	796	94	702	95	29
28	837	90	1,213	93	862	86	682	93	898	91	849	93	28
27	811	88	1,471	90	979	83	786	91	1,158	89	1,183	90	27
26	1,030	86	1,793	86	1,108	81	1,080	89	1,312	86	1,485	87	26
25	1,354	83	1,495	81	1,069	78	1,905	86	1,462	82	1,855	83	25
24	1,512	79	2,053	77	1,699	75	2,359	81	1,747	78	1,936	78	24
23	1,801	75	1,674	71	1,815	70	1,894	74	1,915	73	1,990	73	23
22	1,849	70	1,626	66	1,649	65	2,610	69	2,013	68	2,093	67	22
21	2,000	65	1,576	62	2,559	61	2,486	62	2,138	62	2,127	61	21
20	2,289	60	1,261	57	1,709	54	2,391	55	2,203	57	2,299	55	20
19	1,517	53	1,980	54	2,564	49	2,862	48	2,359	50	2,615	49	19
18	1,489	49	2,548	48	1,825	42	2,963	40	2,423	44	3,071	42	18
17	1,508	45	3,845	41	1,688	37	1,828	32	2,463	37	2,945	33	17
16	2,294	41	4,252	31	1,789	32	2,180	27	2,472	31	2,671	25	16
15	2,430	34	3,620	19	2,594	27	1,676	21	2,369	24	2,365	18	15
14	2,252	28	1,917	9	1,589	20	1,537	17	2,260	17	2,008	11	14
13	1,487	22	789	4	2,360	16	1,360	12	1,959	11	1,311	6	13
12	1,383	17	365	2	1,224	9	1,127	9	1,274	6	534	2	12
11	1,447	14	177	1	1,262	6	1,197	6	486	2	194	1	11
10	1,510	10	45	1	385	2	385	2	151	1	63	1	10
9	771	5	18	1	219	1	224	1	60	1	32	1	9
8	723	3	1	1	15	1	98	1	26	1	15	1	8
7	258	1	10	1	111	1	14	1	15	1	6	1	7
6	157	1	1	1	48	1	44	1	5	1	1	1	6
5	49	1	2	1	3	1	22	1	1	1	1	1	5
4	22	1	0	1	18	1	0	1	0	1	0	1	4
3	5	1	0	1	2	1	10	1	0	1	0	1	3
2	5	1	0	1	10	1	0	1	0	1	0	1	2
1	0	1	1	1	2	1	6	1	0	1	0	1	1
Avg (SD)	19.1 (6.7)		20.2 (5.3)		20.5 (6.5)		20.0 (5.5)		20.1 (5.5)		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: 36,285

**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	986	100	315	100	734	100	1,123	100	879	100	258	100	291	100	18
17	1,430	97	640	99	1,507	98	1,443	97	1,311	98	261	99	126	99	17
16	1,089	93	1,298	97	2,075	94	2,002	93	1,479	94	791	99	925	99	16
15	1,360	90	1,990	94	1,358	88	2,029	87	1,964	90	1,825	96	1,867	96	15
14	1,194	87	2,101	88	2,553	84	1,907	82	2,013	84	2,568	91	2,303	91	14
13	1,937	83	2,150	83	2,070	77	2,073	77	2,840	79	3,759	84	2,503	85	13
12	2,287	78	3,531	77	3,739	72	2,558	71	2,548	71	3,583	74	3,326	78	12
11	2,687	72	2,788	67	2,788	61	3,904	64	3,615	64	3,537	64	3,258	69	11
10	3,475	64	3,700	59	3,419	54	3,052	53	2,402	54	5,678	54	4,772	60	10
9	3,569	55	3,663	49	3,638	44	2,846	45	2,944	47	4,158	39	6,161	47	9
8	2,996	45	4,448	39	3,288	34	2,912	37	4,108	39	3,497	27	3,962	30	8
7	2,892	37	2,080	27	4,591	25	2,590	29	5,133	28	2,775	18	2,815	19	7
6	2,989	29	2,657	21	2,130	12	2,952	22	2,573	14	1,874	10	1,780	11	6
5	3,525	20	2,344	14	1,291	7	3,179	13	1,153	7	1,042	5	578	6	5
4	1,898	11	1,581	7	680	3	1,079	5	1,000	4	73	2	896	4	4
3	1,197	5	831	3	60	1	468	2	235	1	485	2	194	2	3
2	661	2	155	1	251	1	141	1	73	1	6	1	376	1	2
1	113	1	13	1	113	1	27	1	15	1	115	1	152	1	1
Avg (SD)	9.3 (4.0)		9.8 (3.6)		10.4 (3.6)		10.2 (3.9)		10.3 (3.6)		10.4 (3.0)		10.0 (3.1)		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)	23	24	25	24	24
Q2 (50th Percentile)	19	19	20	20	19
Q1 (25th Percentile)	14	16	15	16	16

Total Students in Report: 36,285

**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	36,285	58	21.8	18.3
	Black/African American	1,538	55	18.8	16.6
	American Indian/Alaska Native	1,284	62	17.4	16.1
	White	13,946	68	23.7	20.6
	Hispanic/Latino	14,394	50	19.5	16.7
	Asian	1,245	72	25.1	21.6
	Native Hawaiian/Other Pac. Isl.	130	55	21.7	16.1
	Two or More Races	1,399	65	22.6	19.3
	Prefer not/No Response	2,349	40	21.9	17.7
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	36,285	100	19.1	20.2	20.5	20.0	20.1	20.4
	Black/African American	1,538	4	16.4	17.9	18.0	17.8	17.7	18.1
	American Indian/Alaska Native	1,284	4	14.8	17.3	17.0	17.3	16.8	17.6
	White	13,946	38	22.2	22.3	23.1	22.4	22.6	22.6
	Hispanic/Latino	14,394	40	16.5	18.4	18.2	18.0	17.9	18.5
	Asian	1,245	3	23.0	24.9	23.6	23.6	23.9	24.5
	Native Hawaiian/Other Pac. Isl.	130	0	17.8	19.4	19.3	18.9	19.0	19.4
	Two or More Races	1,399	4	20.8	21.2	21.9	21.3	21.4	21.5
	Prefer not/No Response	2,349	6	17.8	19.2	19.4	18.9	19.0	19.3
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: 36,285

**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	16,767	59	22.0	18.0
	Females	18,565	60	21.6	18.6
	No Response	953	16	19.1	16.5
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	16,767	46	18.8	20.7	20.2	20.4	20.1	20.8
	Females	18,565	51	19.5	20.0	20.9	19.9	20.2	20.2
	No Response	953	3	15.4	17.5	17.4	17.1	17.0	17.5
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: 36,285

**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	1,514	4	733	2	1,829	5	916	3
	28 to 32	2,818	8	3,032	8	4,161	11	2,325	6
	24 to 27	4,707	13	6,812	19	4,855	13	6,130	17
	20 to 23	7,939	22	6,137	17	7,732	21	9,381	26
	16 to 19	6,808	19	12,625	35	7,866	22	9,833	27
	13 to 15	6,169	17	6,326	17	6,543	18	4,573	13
	01 to 12	6,330	17	620	2	3,299	9	3,127	9
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	53	42	38	34	25
	Females	58	36	41	29	22
	No Response	32	17	22	13	8
National	Males	59	44	43	39	28
	Females	64	39	47	34	25
	No Response	39	21	24	18	11

Total Students in Report: 36,285

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

Student Group	N	English Benchmark=18 %	Mathematics Benchmark=22 %	Reading Benchmark=22 %	Science Benchmark=23 %	All Four %	STEM Benchmark=26 %	
<b>State</b>	<b>All Students</b>	<b>36,285</b>	<b>55</b>	<b>38</b>	<b>39</b>	<b>31</b>	<b>23</b>	<b>17</b>
	Black/African American	1,538	37	19	24	14	9	5
	American Indian/Alaska Native	1,284	24	14	16	10	5	3
	White	13,946	75	56	57	48	37	28
	Hispanic/Latino	14,394	39	23	24	16	10	6
	Asian	1,245	75	71	59	54	46	42
	Native Hawaiian/Other Pac. Isl	130	49	34	32	32	20	16
	Two or More Races	1,399	67	44	48	38	28	21
	Prefer Not to Respond	2,349	46	30	33	26	19	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
<b>State</b>	Gold	22,744	63	23.4
	Silver	9,564	26	15.5
	Bronze	3,233	9	12.6
	Needs Improvement	744	2	10.4
<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: 36,285

**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>	21,144	68	21.0	50	21.8	50	22.1	41	21.6	32	21.8	24	21.9
	Less than Core	10,676	42	17.0	24	18.5	28	18.7	19	18.3	13	18.3	8	18.7
	Missing <sup>3</sup>	4,465	27	14.8	15	17.2	17	16.8	11	16.7	6	16.5	4	17.2
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>	29,686	61	20.0	30,629	43	20.8	28,071	46	21.5	24,428	38	21.1
	Less than Core	2,618	27	14.9	1,540	11	16.6	4,058	19	17.1	7,632	19	18.3
	Missing <sup>3</sup>	3,981	28	14.9	4,116	15	17.3	4,156	17	16.9	4,225	11	16.8
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: 36,285

**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	3,471	10	20.7	65	385,251	18	21.7	71
Eng 9, Eng 10, Eng 11, Eng 12	26,215	72	19.9	61	1,436,604	69	20.4	63
Less than 4 years of English	2,618	7	14.9	27	121,175	6	15.8	34
Zero years / no English courses reported	3,981	11	14.9	28	147,312	7	16.6	40
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	1,975	5	23.3	64	125,390	6	23.2	63
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,471	7	21.4	50	163,212	8	21.6	52
Alg 1, Alg 2, Geom, & Trig	2,257	6	19.3	31	126,596	6	18.9	27
Alg 1, Alg 2, Geom, & Other Adv Math	9,557	26	19.0	27	379,347	18	19.3	30
Other comb of 4 or more years of Math	9,663	27	23.6	65	689,169	33	23.6	64
Alg 1, Alg 2, & Geom	2,820	8	16.7	10	243,569	12	16.8	10
Other comb of 3 or 3.5 years of Math	1,886	5	20.6	42	107,638	5	19.5	32
Less than 3 years of Math	1,540	4	16.6	11	101,097	5	16.1	8
Zero years / no Math courses reported	4,116	11	17.3	15	154,324	7	17.8	20
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	409	1	20.2	39	51,783	2	22.1	50
Other comb of 4 or more years Social Science	12,562	35	22.6	53	979,530	47	22.3	51
US Hist, World Hist, & Am Gov	1,654	5	18.9	31	120,501	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	13,446	37	20.8	40	555,590	27	21.4	45
Less than 3 years of Social Science	4,058	11	17.1	19	229,685	11	19.2	32
Zero years / no Social Science courses reported	4,156	11	16.9	17	153,253	7	18.2	25
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	8,060	22	21.7	43	844,557	40	22.1	46
Bio, Chem, Phys	5,375	15	23.8	60	233,024	11	23.0	52
Gen Sci <sup>1</sup> , Bio, Chem	9,662	27	19.4	24	542,380	26	20.0	29
Other comb of 3 years of Natural Science	1,331	4	19.1	23	59,600	3	19.0	23
Less than 3 years of Natural Science	7,632	21	18.3	19	255,155	12	18.0	17
Zero years / no Natural Science courses reported	4,225	12	16.8	11	155,626	7	18.0	19

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

Total Students in Report: 36,285

**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	3,471	10	20.7	65	1,504	9	20.2	63	1,946	10	21.2	67
Eng 9, Eng 10, Eng 11, Eng 12	26,215	72	19.9	61	12,089	72	19.7	59	13,877	75	20.2	62
Less than 4 years of English	2,618	7	14.9	27	1,405	8	14.7	25	1,152	6	15.2	28
Zero years / no English courses reported	3,981	11	14.9	28	1,769	11	14.6	26	1,590	9	15.3	29
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	1,975	5	23.3	64	912	5	23.8	67	1,050	6	22.9	62
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,471	7	21.4	50	951	6	21.9	55	1,503	8	21.2	47
Alg 1, Alg 2, Geom, & Trig	2,257	6	19.3	31	1,016	6	19.8	36	1,218	7	19.0	27
Alg 1, Alg 2, Geom, & Other Adv Math	9,557	26	19.0	27	4,044	24	19.2	29	5,391	29	18.8	25
Other comb of 4 or more years of Math	9,663	27	23.6	65	4,885	29	24.2	68	4,724	25	23.0	61
Alg 1, Alg 2, & Geom	2,820	8	16.7	10	1,420	8	17.0	11	1,340	7	16.5	8
Other comb of 3 or 3.5 years of Math	1,886	5	20.6	42	940	6	21.2	45	933	5	20.1	38
Less than 3 years of Math	1,540	4	16.6	11	756	5	16.7	13	761	4	16.5	11
Zero years / no Math courses reported	4,116	11	17.3	15	1,843	11	17.5	17	1,645	9	17.0	14
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	409	1	20.2	39	216	1	20.1	39	188	1	20.5	39
Other comb of 4 or more years Social Science	12,562	35	22.6	53	5,307	32	22.5	53	7,183	39	22.7	54
US Hist, World Hist, & Am Gov	1,654	5	18.9	31	852	5	18.8	30	780	4	19.1	32
Other comb of 3 or 3.5 years of Social Science	13,446	37	20.8	40	6,270	37	20.6	40	7,036	38	20.9	41
Less than 3 years of Social Science	4,058	11	17.1	19	2,251	13	16.9	19	1,723	9	17.3	19
Zero years / no Social Science courses reported	4,156	11	16.9	17	1,871	11	16.5	16	1,655	9	17.3	18
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	8,060	22	21.7	43	4,098	24	22.2	48	3,917	21	21.2	39
Bio, Chem, Phys	5,375	15	23.8	60	2,740	16	24.3	63	2,589	14	23.4	57
Gen Sci <sup>2</sup> , Bio, Chem	9,662	27	19.4	24	3,998	24	19.4	24	5,554	30	19.4	24
Other comb of 3 years of Natural Science	1,331	4	19.1	23	789	5	19.6	28	528	3	18.4	17
Less than 3 years of Natural Science	7,632	21	18.3	19	3,249	19	18.1	19	4,281	23	18.6	20
Zero years / no Natural Science courses reported	4,225	12	16.8	11	1,893	11	17.0	13	1,696	9	16.6	9

<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: 36,285

**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	353	1	19.4	52	2	15.6	273	1	20.0
Architecture	371	1	19.4	16	1	14.1	322	1	19.8
Area, Ethnic, & Multidisciplinary Studies	46	0	20.3	1	0	17.0	42	0	20.3
Arts: Visual & Performing	2,323	6	19.4	242	11	15.9	1,921	7	20.0
Business	3,215	9	20.9	226	11	16.1	2,827	10	21.3
Communications	549	2	21.2	15	1	17.6	512	2	21.3
Community, Family, & Personal Services	1,104	3	17.1	226	11	15.7	779	3	17.7
Computer Science & Mathematics	1,033	3	23.0	49	2	18.0	930	3	23.2
Education	989	3	20.0	42	2	15.0	898	3	20.3
Engineering	3,136	9	23.0	108	5	15.4	2,853	11	23.5
Engineering Technology & Drafting	508	1	19.7	59	3	15.6	413	2	20.5
English & Foreign Languages	382	1	22.1	19	1	17.7	344	1	22.5
Health Administration & Assisting	1,230	3	17.8	115	5	14.8	1,023	4	18.2
Health Sciences & Technologies	6,430	18	20.4	247	12	15.8	5,927	22	20.6
Philosophy, Religion, & Theology	123	0	20.9	3	0	15.7	114	0	20.8
Repair, Production, & Construction	451	1	16.6	162	8	15.8	234	1	17.3
Sciences: Biological & Physical	1,971	5	23.6	33	2	16.7	1,843	7	23.7
Social Sciences & Law	2,668	7	20.8	79	4	15.3	2,437	9	21.0
Undecided	3,553	10	21.6	178	8	16.2	2,865	11	22.2
No Response	5,745	16	16.3	215	10	14.2	414	2	15.7

<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: 36,285

**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	655	15.7	32	14.1	43	13.9	171	17.7	339	14.8
2-yr College Degree	1,472	15.6	56	14.8	92	14.8	352	17.4	807	14.9
Bachelors Degree	14,297	19.8	623	17.1	527	16.9	6,113	21.9	5,484	18.1
Graduate Study	5,054	23.2	179	20.1	130	18.7	2,525	25.1	1,538	20.5
Prof. Level Degree	7,675	22.3	370	19.8	264	18.3	2,969	24.5	2,891	19.9
Other	629	17.3	25	15.3	36	15.2	208	19.5	270	15.8
No Response	6,503	17.3	253	15.5	192	14.8	1,608	20.1	3,065	15.8

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	655	15.7	12	19.6	1	15.0	14	17.9	43	15.4
2-yr College Degree	1,472	15.6	23	14.7	6	14.5	47	17.5	89	15.2
Bachelors Degree	14,297	19.8	364	20.8	56	18.9	552	20.6	578	19.2
Graduate Study	5,054	23.2	225	26.1	16	22.3	231	24.1	210	22.5
Prof. Level Degree	7,675	22.3	440	26.6	25	21.9	348	23.3	368	22.6
Other	629	17.3	19	19.1	0	.	27	18.6	44	18.0
No Response	6,503	17.3	162	22.4	26	15.5	180	18.7	1,017	17.3

Total Students in Report: 36,285

**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
ARIZONA STATE UNIVERSITY	Arizona	13,943	6,266	7,677	4	17	29	25	16	8	1
UNIVERSITY OF ARIZONA	Arizona	12,261	4,221	8,040	5	17	28	25	16	8	1
NORTHERN ARIZONA UNIVERSITY	Arizona	10,521	2,847	7,674	4	16	31	27	16	6	0
GRAND CANYON UNIVERSITY	Arizona	5,235	1,199	4,036	7	23	33	23	11	3	0
GLENDALE COMMUNITY COLLEGE	Arizona	2,119	677	1,442	10	33	34	17	5	1	0
PHOENIX COLLEGE	Arizona	1,401	383	1,018	16	42	30	9	2	0	0
ARIZONA WESTERN COLLEGE	Arizona	1,346	757	589	18	39	29	10	2	1	0
PIMA COMMUNITY COLLEGE	Arizona	1,055	327	728	13	33	32	16	5	1	0
SAN DIEGO STATE UNIVERSITY	California	940	160	780	3	13	32	29	17	6	0
BRIGHAM YOUNG UNIVERSITY	Utah	884	473	411	0	3	11	21	32	27	6
CHANDLER-GILBERT COMMUNITY COLLEGE	Arizona	857	286	571	4	19	33	28	13	3	0
GATEWAY COMMUNITY COLLEGE	Arizona	795	184	611	17	43	32	8	1	0	0
UNIVERSITY OF CALIFORNIA-LOS ANGELES	California	785	135	650	3	14	27	24	20	11	2
UNIVERSITY OF SOUTHERN CALIFORNIA	California	783	139	644	3	14	28	23	17	13	3
STATE-NO COLLEGE PLANS	Iowa	765	765	0	19	40	28	10	3	1	0
STANFORD UNIVERSITY	California	749	203	546	1	5	14	21	24	26	9
MESA COMMUNITY COLLEGE	Arizona	700	136	564	6	26	32	23	11	2	0
NCAA ELIGIBILITY CENTER	Indiana	695	308	387	3	17	29	28	15	7	1
ART INSTITUTE OF PHOENIX THE	Arizona	672	218	454	11	34	35	15	5	1	0
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	522	137	385	0	4	19	26	29	18	3
UNIVERSITY OF WASHINGTON	Washington	502	94	408	1	9	20	28	24	16	2
UNIVERSITY OF OREGON	Oregon	483	96	387	2	18	29	25	17	7	2
SOUTH MOUNTAIN COMMUNITY COLLEGE	Arizona	468	125	343	18	43	29	7	2	0	0
UNIVERSITY OF CALIFORNIA-BERKELEY	California	415	82	333	0	5	14	23	23	26	9
ARIZONA CHRISTIAN UNIVERSITY	Arizona	411	104	307	11	27	34	18	8	2	0
COCONINO COMMUNITY COLLEGE	Arizona	384	127	257	9	33	33	17	7	1	0
ART INST OF CALIFORNIA-SAN DIEGO THE	California	370	52	318	12	37	34	12	4	1	0
UNIVERSITY OF SAN DIEGO	California	368	54	314	2	10	26	28	21	11	1
SCOTTSDALE COMMUNITY COLLEGE	Arizona	366	69	297	10	31	32	17	8	2	0
EMBRY-RIDDLE AERONAUTICAL UNIV	Arizona	359	137	222	1	6	17	23	30	21	2
All Other Institutions		24,463	5,132	19,331	5	17	25	22	17	11	2
<b>Total</b>		<b>85,617</b>	<b>25,893</b>	<b>59,724</b>	<b>6</b>	<b>19</b>	<b>28</b>	<b>23</b>	<b>15</b>	<b>8</b>	<b>1</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: 36,285

**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>6,400</b>	<b>519,922</b>	<b>19.8</b>	<b>19.3</b>	<b>22.5</b>	<b>21.8</b>	<b>23.4</b>	<b>22.9</b>	<b>21.9</b>	<b>21.3</b>
Black/African American	290	67,101	18.0	16.2	19.6	17.6	21.1	19.1	19.5	17.6
American Indian/Alaska Native	427	3,056	15.0	16.1	15.7	17.6	17.9	19.3	16.2	17.7
White	2,616	234,063	21.1	20.4	24.9	23.9	25.6	24.7	23.9	23.0
Hispanic/Latino	2,119	116,135	18.7	17.8	20.2	18.8	21.4	20.3	20.1	19.0
Asian	386	44,606	22.7	21.5	26.1	24.5	26.3	24.7	25.0	23.6
Native Hawaiian/Other Pac. Isl.	24	1,742	21.0	19.3	22.1	20.6	22.3	21.4	21.7	20.4
Two or More Races	293	21,475	20.4	19.9	23.2	22.6	24.2	23.6	22.6	22.0
Prefer not/No Response	245	31,744	21.1	19.9	24.8	22.8	25.3	23.8	23.8	22.2
Males	2,615	220,204	19.6	18.9	22.7	21.9	23.6	22.9	22.0	21.2
Females	3,785	298,512	20.0	19.6	22.3	21.8	23.3	22.8	21.9	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>7,072</b>	<b>754,169</b>	<b>18.2</b>	<b>19.6</b>	<b>6.2</b>	<b>6.2</b>	<b>17.5</b>	<b>18.6</b>
Black/African American	355	85,940	14.6	14.6	5.4	5.1	14.2	13.9
American Indian/Alaska Native	176	5,558	13.5	15.2	5.0	5.0	12.9	14.2
White	1,730	407,944	25.2	21.4	7.2	6.5	23.6	20.2
Hispanic/Latino	3,823	115,338	15.3	17.1	5.8	6.0	15.0	16.5
Asian	251	30,233	24.3	23.2	7.2	7.1	22.9	22.0
Native Hawaiian/Other Pac. Isl.	27	3,063	15.4	15.9	6.1	5.6	15.5	15.3
Two or More Races	190	32,453	21.8	19.6	6.6	6.2	20.5	18.5
Prefer not/No Response	520	73,640	16.8	18.8	5.7	6.0	16.1	17.7
Males	3,266	367,696	18.0	19.2	5.9	5.9	17.0	18.0
Females	3,633	356,634	18.8	20.3	6.5	6.6	18.2	19.4
No Response	173	29,839	12.1	16.7	4.8	5.5	11.7	15.8

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



