



Profile Report - State

Arkansas State Testing 2020-2021
Grade 11 Tested Students
Arkansas



ARKANSAS
DEPARTMENT
OF EDUCATION

ACT, INC. -- CONFIDENTIAL



* 0 1 1 0 0 2 1 1 P D *

ACT PROFILE REPORT- State

Arkansas State Testing 2020-2021

Grade 11 Tested Students

Total Students in Report: 27,577

Code 049999

Arkansas

New to your 2020-2021 Profile Report

For 2020-2021, contents of the ACT Profile Report remain consistent with last year.

Table of Contents

Section I: Executive Summary

Page 5

- Average Composite Scores: 5 Years of Testing
- Percent Meeting 3 or 4 Benchmarks: 5 Years of Testing
- Percent Meeting STEM Benchmark: 5 Years of Testing
- Percent Taking A Core Curriculum: 5 Years of Testing
- Five Year Trends—Percent of Students Who Met
College Readiness Benchmarks
- Five Year Trends—Average ACT Scores
- Five Year Trends—Average ACT Scores by Level of Preparation
- Five Year Trends—Percent and Average Composite Score
by Race/Ethnicity
- Five Year Trends—Achievement in STEM
- Proficiency Toward Understanding Complex Text

Section II: Academic Achievement

Page 11

- Average ACT Composite Scores by Race and Core Curriculum Status
- ACT Score Distributions, Cumulative Percents, and Averages
- Subject Area Reporting Categories
- Average ACT Composite Scores for Race/Ethnicity
by Level of Preparation
- Average ACT Scores by Race/Ethnicity
- Average ACT Composite Scores for Gender by Level of Preparation
- Average ACT Scores by Gender
- ACT Score Quartile Values

Section III: College Readiness & Impact of Course Rigor

Page 17

- Percent of Students Meeting 3 or 4 College Readiness
Benchmarks by Core College Curriculum Status
- Percent of Students in College and Career Readiness Standards (CCRS)
Score Ranges
- Percent of Students Who Met ACT College Readiness Benchmark Scores
by Gender
- Percent of Students Who Met ACT College Readiness Benchmark Scores
by Race/Ethnicity
- Likely ACT National Career Readiness Certificate (NCRC) Level
Based Upon ACT Composite Score
- College Readiness Benchmark Percent and Average ACT Scores
by Overall High School Curriculum
- College Readiness Benchmark Percent and Average ACT Scores
by Content-Specific Curriculum
- College Readiness Benchmark Percent and Average ACT Scores
by Common Course Patterns
- College Readiness Benchmark Percent and Average ACT Scores
for Gender by Common Course Patterns

Section IV: Career and Educational Aspirations

Page 25

- Average ACT Composite Scores
by Race and Student Postsecondary Aspirations
- Distribution of Planned Educational Majors for All Students
by College Plans
- Average ACT Composite Scores for Racial/Ethnic Groups
by Post-Secondary Educational Aspirations
- Students' Score Report Preferences at Time of Testing

Section V: Optional Writing Test Results

Page 31

- Average ACT Writing Scores by Race/Ethnicity
- Average ACT Writing and English Language Arts Outcomes
by Race/Ethnicity and Gender for Students Who Took Writing

This report provides information about the performance of your students who took the ACT as part of the Arkansas State Testing (Grade 11 Tested Students).

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, STEM, and (optional) ELA and writing
- 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 and Career 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. College and Career 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.

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, STEM and ELA. 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
ELA	ELA	20

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

12% 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: 27,577 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. 48% 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 2% of the cohort took less than three years of math courses. Of these students, 2% were college ready. 6% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 4% of these students were college ready. In comparison, 28% 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 8% of the cohort took less than three years of natural science courses. 14% of these students were college ready. In comparison, 31% 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 and Career Readiness Standards score ranges. For example, approximately 74% 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 and Career Readiness Standards at www.act.org/content/act/en/education-and-career-planning/college-and-career-readiness-standards.html.

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.

Section I

Executive Summary

Figure 1.1. Average Composite Scores: 5 Years of Testing*

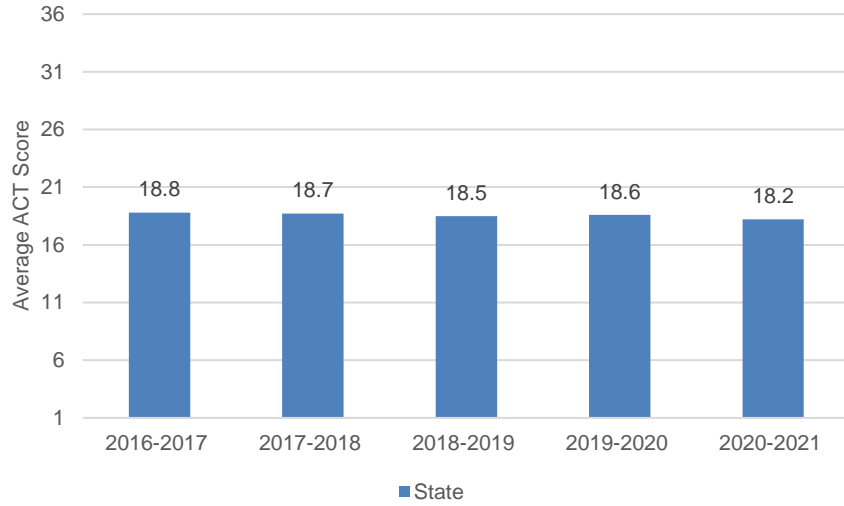


Figure 1.2. Percent Meeting 3 or 4 Benchmarks: 5 Years of Testing*

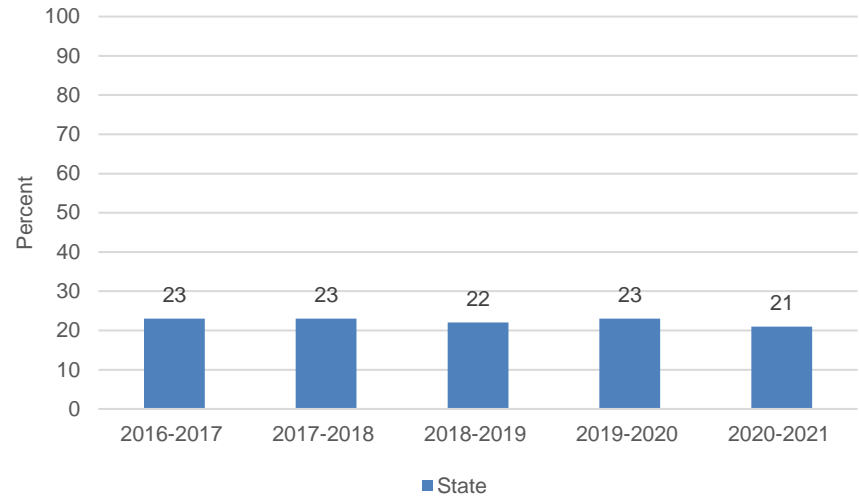


Figure 1.3. Percent Meeting STEM Benchmark: 5 Years of Testing*

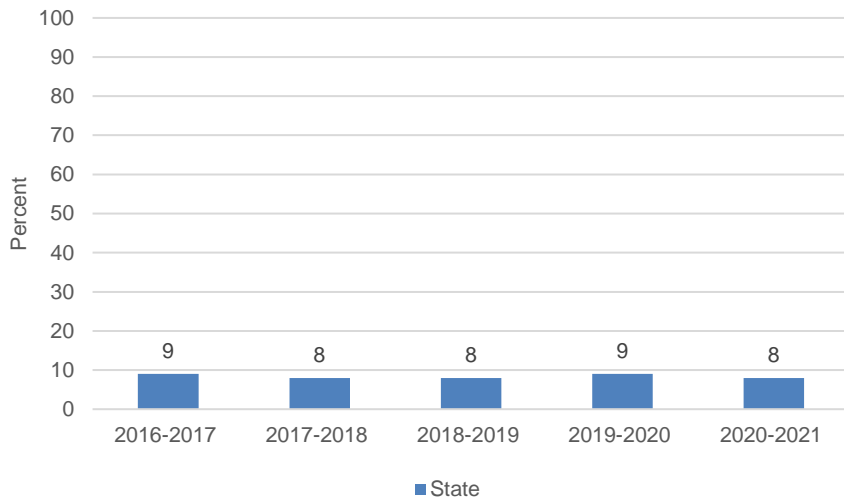
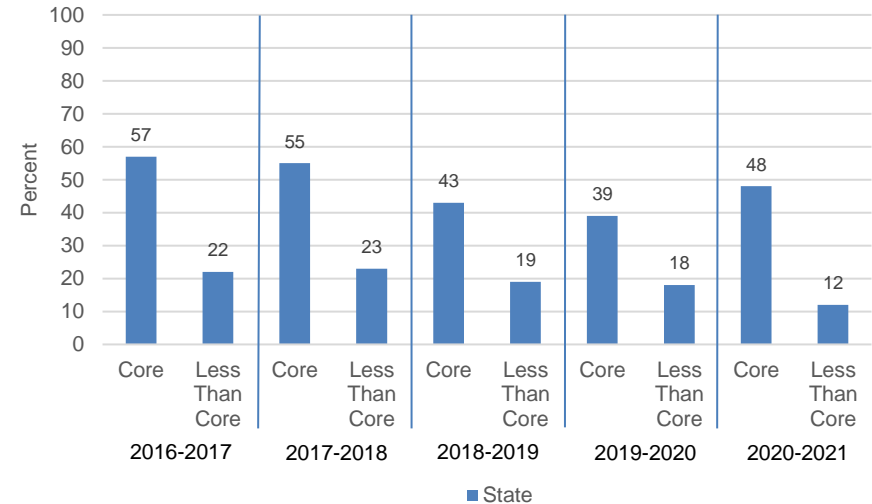


Figure 1.4. Percent Taking A Core Curriculum: 5 Years of Testing*



* Missing columns in above graphs reflect years in which no students were tested.

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

Year	Number of Students	Percent Who Met Benchmarks				
	Tested State	English State	Mathematics State	Reading State	Science State	Met All Four State
2016-2017	31,109	49	24	30	22	14
2017-2018	31,225	48	24	30	23	14
2018-2019	31,402	47	19	31	23	13
2019-2020	28,437	48	22	30	23	14
2020-2021	27,577	46	19	29	22	12

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students	Average ACT Scores				
	Tested State	English State	Mathematics State	Reading State	Science State	Composite State
2016-2017	31,109	18.4	18.5	18.9	18.9	18.8
2017-2018	31,225	18.2	18.4	18.8	18.8	18.7
2018-2019	31,402	17.9	17.9	18.9	18.6	18.5
2019-2020	28,437	18.1	18.1	18.7	18.9	18.6
2020-2021	27,577	17.6	17.8	18.4	18.6	18.2

Table 1.3. Five Year Trends—Average ACT Scores Statewide (table omitted for this report)

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	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
2016-2017	17,807	6,987	57	22	20.0	16.0	19.5	16.9	20.3	16.8	20.2	17.1	20.2	16.8
2017-2018	17,154	7,227	55	23	19.8	15.9	19.5	16.8	20.2	16.9	20.0	17.0	20.0	16.8
2018-2019	13,574	6,094	43	19	19.6	15.8	19.0	16.5	20.3	17.0	20.0	17.0	19.9	16.7
2019-2020	11,066	5,094	39	18	20.0	16.3	19.4	16.8	20.3	17.1	20.4	17.5	20.1	17.1
2020-2021	13,157	3,338	48	12	19.8	16.5	19.2	16.8	20.2	17.4	20.3	17.7	20.0	17.2

¹"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.

²Percent 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

Race/Ethnicity	2016-2017			2017-2018			2018-2019			2019-2020			2020-2021		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	31,109	100	18.8	31,225	100	18.7	31,402	100	18.5	28,437	100	18.6	27,577	100	18.2
Black/African American	4,832	16	15.8	4,581	15	15.8	4,730	15	15.3	4,254	15	15.7	3,489	13	15.3
American Indian/Alaska Native	242	1	17.4	220	1	17.7	193	1	16.7	206	1	16.8	196	1	16.4
White	16,481	53	20.0	15,760	50	19.8	16,077	51	19.7	14,007	49	19.8	14,500	53	19.6
Hispanic/Latino	3,325	11	17.3	3,375	11	17.4	3,604	11	17.2	3,326	12	17.3	3,508	13	17.0
Asian	495	2	21.8	496	2	21.1	454	1	21.6	389	1	21.0	462	2	22.0
Native Hawaiian/Other Pacific Islander	141	0	14.9	122	0	15.0	139	0	15.0	98	0	15.3	125	0	14.5
Two or more races	1,367	4	19.4	1,359	4	19.4	1,239	4	19.1	1,306	5	18.7	1,325	5	18.7
Prefer not to respond/No response	4,226	14	18.3	5,312	17	18.2	4,966	16	18.1	4,851	17	18.5	3,972	14	16.6

Table 1.6. Five Year Trends—Achievement in STEM¹

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	State	State	State	State
2016-2017	31,109	18.9	9	27.5	28.4
2017-2018	31,225	18.8	8	27.6	28.1
2018-2019	31,402	18.5	8	27.6	28.9
2019-2020	28,437	18.8	9	27.5	28.7
2020-2021	27,577	18.5	8	27.7	28.7

¹The STEM score describes students' overall proficiency in mathematics and science.

Table 1.7. Proficiency In Understanding Complex Texts¹

Year	Text Complexity Proficiency Level								
	Below Proficient			Proficient			Above Proficient		
	N	Percent	Avg. Reading	N	Percent	Avg. Reading	N	Percent	Avg. Reading
State	State	State	State	State	State	State	State	State	State
2016-2017	21,362	69	15.7	5,975	19	23.3	3,772	12	29.7
2017-2018	20,560	66	15.6	7,461	24	23.1	3,204	10	29.8
2018-2019	21,651	69	15.6	6,007	19	23.5	3,744	12	30.3
2019-2020	19,680	69	15.5	5,639	20	23.3	3,118	11	30.1
2020-2021	18,738	68	15.1	5,935	22	23.0	2,904	11	30.1

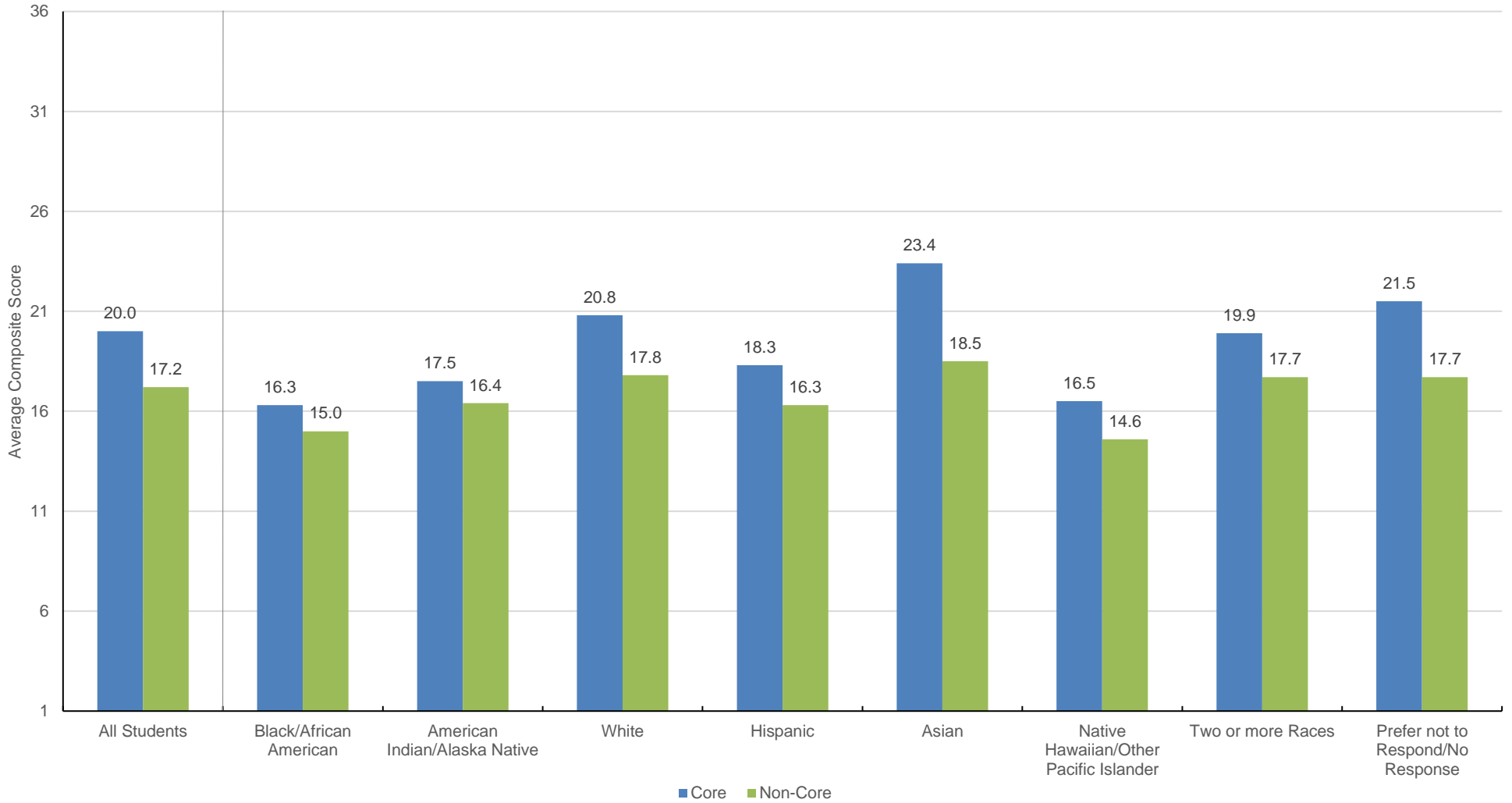
¹The text complexity indicator, beginning in Fall 2015, represents students' progress toward understanding complex written material often encountered in college and careers.

This page intentionally left blank.

Section II

Academic Achievement

Figure 2.1. Average ACT Composite Scores by Race and Core Curriculum Status*



*Missing columns reflect combinations of race/ethnicity and core course-taking status in which one or both indicators are missing.

Table 2.1. ACT Score Distributions, Cumulative Percents (CP¹), and Score Averages

ACT Scale Score	English		Mathematics		Reading		Science		Composite		STEM		ELA ²		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
36	89	100	23	100	161	100	45	100	10	100	19	100	0	.	36
35	261	99	58	99	133	99	68	99	45	99	46	99	0	.	35
34	199	99	58	99	282	99	95	99	70	99	55	99	0	.	34
33	177	98	62	99	239	98	174	99	110	99	71	99	0	.	33
32	185	97	81	99	274	97	141	99	138	99	100	99	0	.	32
31	190	97	110	99	252	96	140	98	196	99	135	99	0	.	31
30	253	96	113	99	380	95	161	98	252	98	186	98	0	.	30
29	339	95	129	98	447	94	212	97	303	97	238	98	0	.	29
28	312	94	285	98	495	92	294	96	373	96	338	97	0	.	28
27	402	93	431	97	490	90	337	95	502	95	393	96	0	.	27
26	543	91	721	95	623	89	496	94	567	93	586	94	0	.	26
25	834	89	733	92	685	86	833	92	738	91	771	92	0	.	25
24	1,023	86	907	90	978	84	1,515	89	915	88	904	89	0	.	24
23	987	83	669	87	922	80	1,611	84	1,118	85	1,088	86	0	.	23
22	1,068	79	884	84	1,762	77	1,445	78	1,265	81	1,322	82	0	.	22
21	1,699	75	866	81	1,258	71	1,802	73	1,511	76	1,363	77	0	.	21
20	1,560	69	1,187	78	1,483	66	1,631	66	1,609	71	1,776	72	0	.	20
19	1,383	63	1,470	73	1,336	61	2,619	60	1,808	65	2,126	66	0	.	19
18	1,113	58	1,781	68	1,300	56	1,792	51	1,889	58	2,539	58	0	.	18
17	1,200	54	2,811	62	1,525	51	2,104	44	2,060	51	2,735	49	0	.	17
16	1,550	50	4,329	51	1,488	46	2,100	36	2,248	44	2,932	39	0	.	16
15	2,357	44	4,433	36	1,734	40	1,778	29	2,377	36	2,806	28	0	.	15
14	1,749	36	2,944	20	2,251	34	1,865	22	2,552	27	2,350	18	0	.	14
13	1,567	29	1,437	9	1,878	26	1,326	16	2,485	18	1,629	10	0	.	13
12	1,608	24	598	4	2,408	19	1,206	11	1,669	9	745	4	0	.	12
11	1,548	18	218	2	1,678	10	910	6	587	3	216	1	0	.	11
10	2,095	12	108	1	606	4	486	3	116	1	68	1	0	.	10
9	759	5	64	1	259	2	245	1	31	1	22	1	0	.	9
8	253	2	39	1	110	1	77	1	20	1	8	1	0	.	8
7	169	1	13	1	73	1	48	1	7	1	3	1	0	.	7
6	67	1	4	1	38	1	11	1	4	1	4	1	0	.	6
5	22	1	4	1	18	1	2	1	1	1	2	1	0	.	5
4	7	1	4	1	4	1	3	1	0	1	1	1	0	.	4
3	6	1	1	1	3	1	2	1	1	1	0	1	0	.	3
2	0	1	0	1	3	1	2	1	0	1	0	1	0	.	2
1	3	1	2	1	1	1	1	1	0	1	0	1	0	.	1
Avg (SD)	17.6 (6.2)		17.8 (4.4)		18.4 (6.2)		18.6 (5.1)		18.2 (5.0)		18.5 (4.5)		. (.)		Avg (SD)

¹ CP is the cumulative percent of students at or below a score point.

² ELA scores are derived only for students with a valid writing score.

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

Figure 2.2. English Reporting Categories

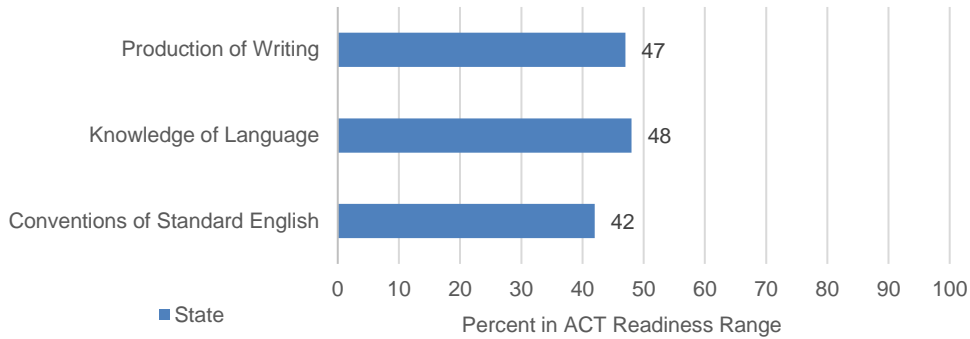


Figure 2.3. Math Reporting Categories

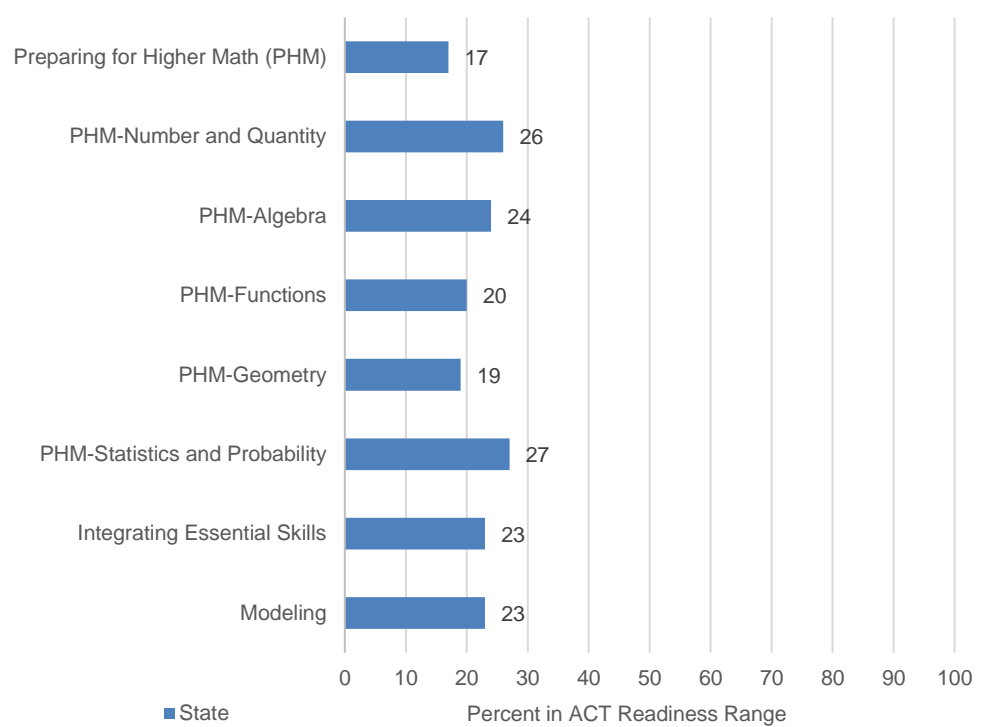


Figure 2.4. Reading Reporting Categories

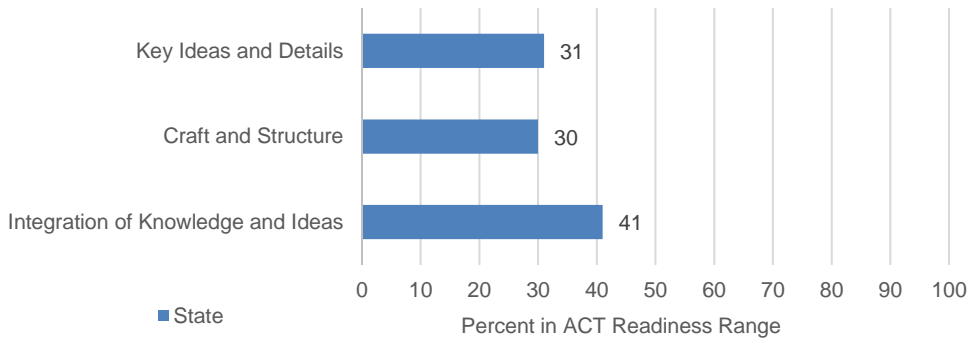
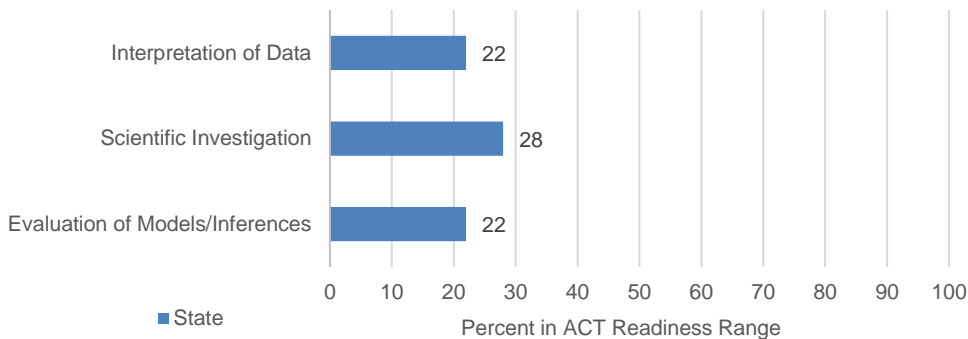


Figure 2.5. Science Reporting Categories



The charts on this page show the percent of students whose reporting category scores fall within associated ACT Readiness Ranges. ACT Readiness Ranges reflect where a student who has met a particular subject area's ACT College Readiness Benchmark would typically perform within the associated reporting category.

Table 2.2. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score	
				Core or More	Less Than Core
	All Students	27,577	48	20.0	17.2
State	Black/African American	3,489	43	16.3	15.0
	American Indian/Alaska Native	196	44	17.5	16.4
	White	14,500	60	20.8	17.8
	Hispanic/Latino	3,508	46	18.3	16.3
	Asian	462	69	23.4	18.5
	Native Hawaiian/Other Pacific Islander	125	26	16.5	14.6
	Two or More Races	1,325	50	19.9	17.7
	Prefer not/No Response	3,972	5	21.5	17.7

¹ "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 2.3. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	N	Percent	English	Mathematics	Reading	Science	Composite	STEM
	All Students	27,577	100	17.6	17.8	18.4	18.6	18.2	18.5
State	Black/African American	3,489	13	14.3	15.5	15.1	16.0	15.3	16.0
	American Indian/Alaska Native	196	1	14.9	16.6	16.7	17.1	16.4	17.1
	White	14,500	53	19.2	18.8	19.9	19.8	19.6	19.6
	Hispanic/Latino	3,508	13	16.0	16.8	17.0	17.6	17.0	17.5
	Asian	462	2	21.9	22.0	21.6	22.0	22.0	22.3
	Native Hawaiian/Other Pacific Islander	125	0	13.4	15.1	14.0	15.1	14.5	15.3
	Two or More Races	1,325	5	18.2	18.1	19.0	19.0	18.7	18.8
	Prefer not/No Response	3,972	14	15.6	16.4	16.6	17.1	16.6	17.0

Table 2.4. Average ACT Composite Scores for Gender by Level of Preparation

Student Group	Gender ¹	Number of Students Tested	Percent Taking Core or More ²	Average ACT Composite Score	
				Core or More	Less Than Core
State	Males	12,699	47	20.0	17.0
	Females	12,995	54	19.9	17.4
	Other Responses	1,883	10	21.7	20.0

Table 2.5. Average ACT Scores by Gender

Student Group	Gender ¹	N	Percent	English	Mathematics	Reading	Science	Composite	STEM
State	Males	12,699	46	17.2	18.1	18.2	18.8	18.2	18.7
	Females	12,995	47	18.3	17.7	18.8	18.7	18.5	18.4
	Other Responses	1,883	7	16.0	16.6	17.2	17.1	16.8	17.1

Table 2.6. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	21	20	22	22	21
Q2 (50th Percentile)	17	16	17	18	17
Q1 (25th Percentile)	13	15	13	15	14

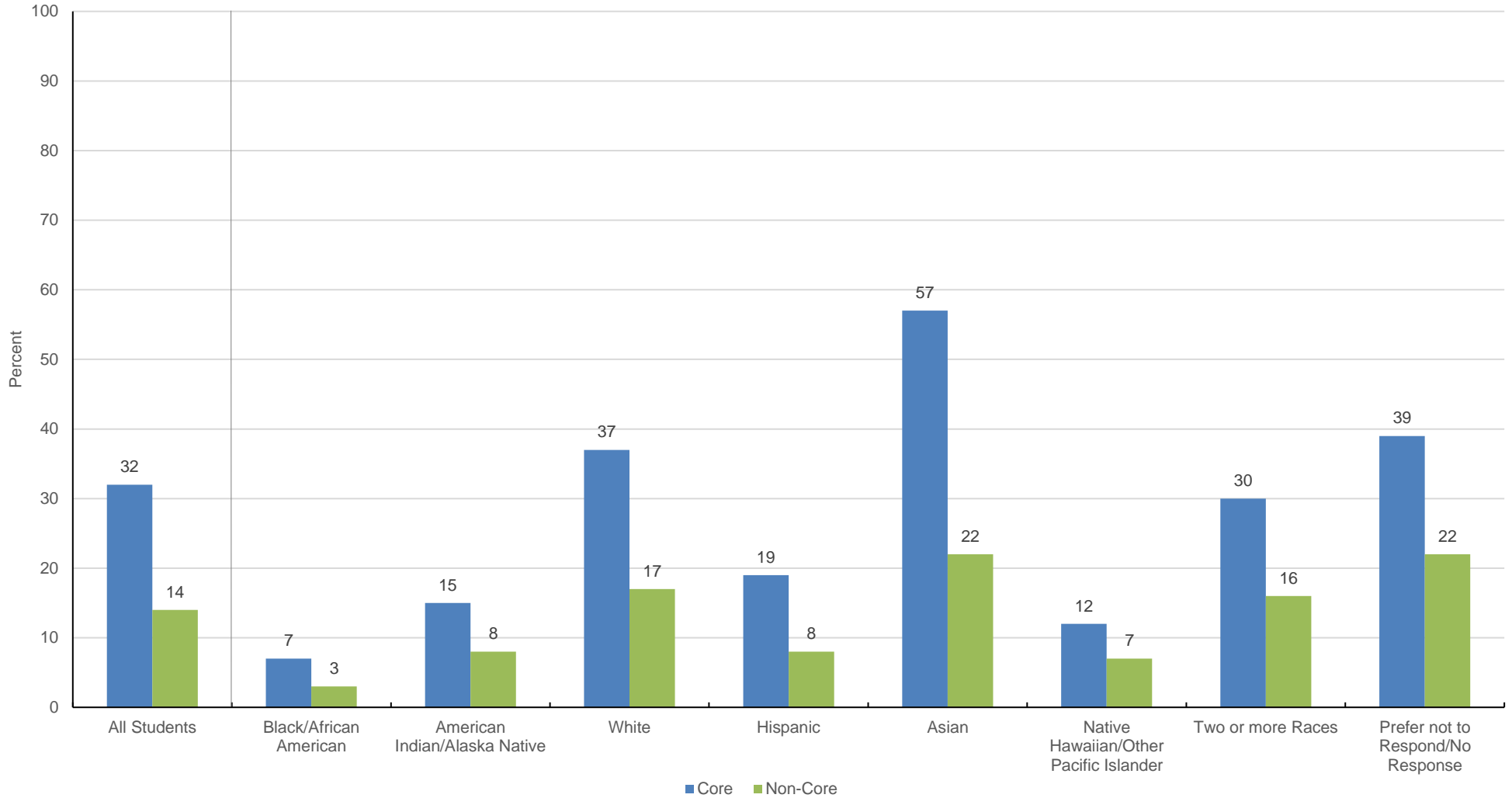
¹ 'Other Responses' include 'Another Gender', 'Prefer Not to Respond', and missing values.

² "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.

Section III

College and Career Readiness and the Impact of Course Rigor

Figure 3.1. Percent of Students Meeting 3 or 4 College Readiness Benchmarks by Core College Curriculum Status*



*Missing columns reflect combinations of race/ethnicity and core course-taking status in which one or both indicators are missing.

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

Student Group	CCRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	726	3	201	1	815	3	382	1
	28 to 32	1,279	5	718	3	1,848	7	948	3
	24 to 27	2,802	10	2,792	10	2,776	10	3,181	12
	20 to 23	5,314	19	3,606	13	5,425	20	6,489	24
	16 to 19	5,246	19	10,391	38	5,649	20	8,615	31
	13 to 15	5,673	21	8,814	32	5,863	21	4,969	18
	01 to 12	6,537	24	1,055	4	5,201	19	2,993	11

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

Student Group	Gender ¹	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	43	22	29	25	14
	Females	51	18	31	21	11
	Other Responses	33	10	23	14	7

¹ 'Other Responses' include 'Another Gender', 'Prefer Not to Respond', and missing values.

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

Student Group	Race/Ethnicity	N	English %	Mathematics %	Reading %	Science %	All Four %	STEM %
State	All Students	27,577	46	19	29	22	12	8
	Black/African American	3,489	22	4	10	6	2	1
	American Indian/Alaska Native	196	27	12	16	13	7	6
	White	14,500	57	26	39	30	17	11
	Hispanic/Latino	3,508	35	11	20	14	6	4
	Asian	462	67	47	48	46	35	29
	Native Hawaiian/Other Pacific Islander	125	17	7	5	6	3	1
	Two or More Races	1,325	51	22	33	24	14	8
	Prefer Not to Respond	3,972	31	11	19	13	7	4

Table 3.4. Likely ACT National Career Readiness Certificate (NCRC) Level Based Upon ACT Composite Score¹

Student Group	ACT NCRC Level	N	%	Average Composite
State	Platinum	1,999	7	29.4
	Gold	4,603	17	23.6
	Silver	8,877	32	18.8
	Bronze	9,662	35	14.5
	Needs Improvement	2,436	9	11.6

¹ The ACT Composite scores associated with at least a 50% chance of earning each ACT NCRC level or higher are: 13 for Bronze, 17 for Silver, 22 for Gold, and 27 for Platinum. Based on those cut scores, students who earned an ACT Composite score of less than 13 are classified as 'Needs improvement' as they are unlikely to obtain an ACT NCRC. Students with an ACT Composite score of 13 to 16 are classified as 'Bronze' as they are likely to obtain a Bronze NCRC, 17 to 21 as 'Silver', 22 to 26 as 'Gold', and 27 or above as 'Platinum'.

Visit www.act.org/NCRC-indicator to learn more.

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

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite ⁴		STEM	
			%	Avg	%	Avg	%	Avg	%	Avg	%	Avg	%	Avg
State	Core or More ²	13,157	61	19.8	29	19.2	40	20.2	32	20.3	19	20.0	13	20.0
	Less than Core	3,338	38	16.5	11	16.8	23	17.4	15	17.7	6	17.2	4	17.5
	Missing ³	11,082	30	15.4	10	16.4	18	16.5	12	17.0	6	16.4	3	16.9

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

² "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.

³ Zero years or no coursework information reported in one or more content areas.

⁴ 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 ¹	English			Mathematics			Reading			Science		
		N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
State	Core or More ²	16,403	56	19.0	16,319	26	18.8	15,717	38	19.8	14,417	31	20.0
	Less than Core	577	42	16.9	416	2	15.0	921	16	16.3	2,287	14	17.5
	Missing ³	10,597	30	15.5	10,842	10	16.4	10,939	18	16.5	10,873	12	17.0

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "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.

³ Zero years or no coursework information reported in the specified content area.

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

Course Pattern		State		
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
ENGLISH COURSE PATTERN				
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	4,589	17	19.1	57
Eng 9, Eng 10, Eng 11, Eng 12	11,814	43	19.0	55
Less than 4 years of English	577	2	16.9	42
Zero years / no English courses reported	10,597	38	15.5	30
MATHEMATICS COURSE PATTERN				
	N	Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	485	2	19.1	29
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	831	3	19.8	34
Alg 1, Alg 2, Geom, & Trig	544	2	17.4	13
Alg 1, Alg 2, Geom, & Other Adv Math	4,636	17	18.2	20
Other comb of 4 or more years of Math	6,698	24	20.3	38
Alg 1, Alg 2, & Geom	1,716	6	15.8	4
Other comb of 3 or 3.5 years of Math	1,409	5	17.1	13
Less than 3 years of Math	416	2	15.0	2
Zero years / no Math courses reported	10,842	39	16.4	10
SOCIAL SCIENCE COURSE PATTERN				
	N	Percent Taking Pattern	Avg ACT Reading	Percent Who Met Benchmark
US Hist, World Hist, Am Gov, & Other Hist	98	0	18.5	26
Other comb of 4 or more years Social Science	9,831	36	20.4	42
US Hist, World Hist, & Am Gov	396	1	18.2	27
Other comb of 3 or 3.5 years of Social Science	5,392	20	18.8	31
Less than 3 years of Social Science	921	3	16.3	16
Zero years / no Social Science courses reported	10,939	40	16.5	18
NATURAL SCIENCE COURSE PATTERN				
	N	Percent Taking Pattern	Avg ACT Science	Percent Who Met Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	5,997	22	20.2	33
Bio, Chem, Phys	380	1	19.0	25
Gen Sci ¹ , Bio, Chem	7,203	26	20.1	30
Other comb of 3 years of Natural Science	837	3	19.1	25
Less than 3 years of Natural Science	2,287	8	17.5	14
Zero years / no Natural Science courses reported	10,873	39	17.0	12

¹Includes General, Physical and Earth Sciences.

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

Course Pattern	Males				Females				Other Responses ¹			
	N	Percent	ACT English	% Who Met Benchmark	N	Percent	ACT English	% Who Met Benchmark	N	Percent	ACT English	% Who Met Benchmark
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	1,891	15	18.4	51	2,624	20	19.6	60	74	4	22.6	74
Eng 9, Eng 10, Eng 11, Eng 12	5,647	44	18.6	52	6,000	46	19.4	58	167	9	20.9	72
Less than 4 years of English	311	2	16.3	38	254	2	17.6	47	12	1	19.6	50
Zero years / no English courses reported	4,850	38	15.1	29	4,117	32	16.0	34	1,630	87	15.2	27
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	214	2	20.1	37	265	2	18.2	23	6	0	18.5	50
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	269	2	20.1	38	550	4	19.6	31	12	1	20.7	42
Alg 1, Alg 2, Geom, & Trig	257	2	17.8	17	278	2	17.0	9	9	0	17.9	11
Alg 1, Alg 2, Geom, & Other Adv Math	1,857	15	18.3	21	2,710	21	18.1	19	69	4	18.5	20
Other comb of 4 or more years of Math	3,276	26	20.9	42	3,320	26	19.7	33	102	5	21.2	42
Alg 1, Alg 2, & Geom	852	7	16.0	5	839	6	15.5	3	25	1	16.7	12
Other comb of 3 or 3.5 years of Math	761	6	17.4	14	632	5	16.8	11	16	1	16.5	6
Less than 3 years of Math	232	2	15.2	3	174	1	14.7	1	10	1	15.7	10
Zero years / no Math courses reported	4,981	39	16.6	12	4,227	33	16.2	8	1,634	87	16.1	8
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	62	0	18.7	29	36	0	18.1	19	0	0	.	.
Other comb of 4 or more years Social Science	4,176	33	20.2	42	5,495	42	20.5	42	160	8	23.5	59
US Hist, World Hist, & Am Gov	226	2	18.1	28	163	1	18.1	25	7	0	24.3	57
Other comb of 3 or 3.5 years of Social Science	2,694	21	18.7	31	2,630	20	18.7	30	68	4	22.6	59
Less than 3 years of Social Science	496	4	16.2	15	414	3	16.3	15	11	1	23.4	64
Zero years / no Social Science courses reported	5,045	40	16.4	19	4,257	33	16.8	19	1,637	87	16.2	18
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	2,981	23	20.6	38	2,926	23	19.7	28	90	5	21.5	43
Bio, Chem, Phys	171	1	20.0	30	205	2	18.2	19	4	0	20.5	75
Gen Sci ¹ , Bio, Chem	2,912	23	20.1	32	4,186	32	20.0	29	105	6	20.3	35
Other comb of 3 years of Natural Science	499	4	19.2	26	328	3	18.9	22	10	1	20.6	30
Less than 3 years of Natural Science	1,127	9	17.5	15	1,124	9	17.5	13	36	2	19.3	31
Zero years / no Natural Science courses reported	5,009	39	17.1	14	4,226	33	17.0	11	1,638	87	16.6	10

¹ 'Other Responses' include 'Another Gender', 'Prefer Not to Respond', and missing values.

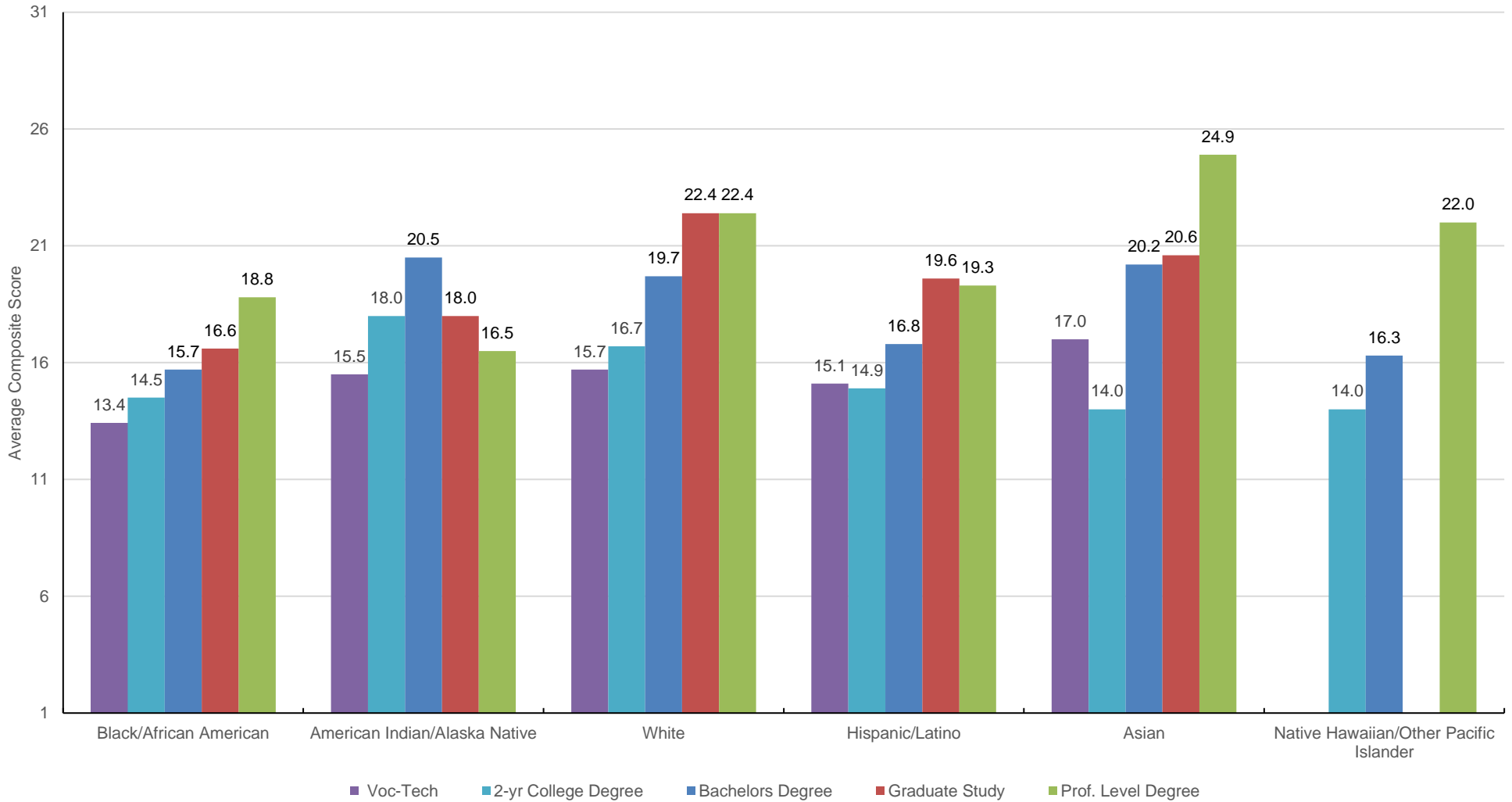
² Includes General, Physical and Earth Sciences.

This page intentionally left blank.

Section IV

Career and Educational Aspirations

Figure 4.1. Average ACT Composite Scores by Race and Student Postsecondary Aspirations*



*Missing columns reflect combinations of race/ethnicity and postsecondary aspiration in which one or both indicators are missing.

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 ¹	Percent ²	Avg ACT Comp	N	Percent	Avg ACT Comp	N	Percent	Avg ACT Comp
Agriculture & Natural Resources Conservation	104	0	17.0	18	5	13.9	72	3	18.2
Architecture	62	0	18.1	9	2	14.2	43	2	19.6
Area, Ethnic, & Multidisciplinary Studies	3	0	21.7	1	0	14.0	2	0	25.5
Arts: Visual & Performing	157	1	17.6	22	6	15.4	108	5	18.6
Business	266	1	18.1	46	12	15.1	191	8	19.4
Communications	33	0	21.5	1	0	13.0	31	1	22.1
Community, Family, & Personal Services	79	0	16.4	23	6	14.8	47	2	17.9
Computer Science & Mathematics	98	0	22.5	13	3	18.5	82	4	23.2
Education	146	1	18.1	6	2	14.3	122	5	18.9
Engineering	233	1	19.6	29	8	16.7	167	7	21.0
Engineering Technology & Drafting	40	0	17.9	8	2	15.0	31	1	18.7
English & Foreign Languages	19	0	20.6	3	1	15.3	13	1	23.6
Health Administration & Assisting	164	1	15.9	15	4	14.3	133	6	16.3
Health Sciences & Technologies	497	2	19.8	27	7	15.9	451	20	20.1
Philosophy, Religion, & Theology	16	0	18.8	1	0	17.0	14	1	19.0
Repair, Production, & Construction	74	0	15.4	44	11	15.5	19	1	15.9
Sciences: Biological & Physical	181	1	21.9	2	1	15.5	174	8	22.0
Social Sciences & Law	160	1	20.2	12	3	16.8	138	6	20.8
Undecided	678	2	18.6	104	27	16.2	414	18	19.9
No Response	24,564	89	18.1	1	0	16.0	23	1	18.8

¹2-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.

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

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	138	15.3	21	13.4	2	15.5	91	15.7	16	15.1
2-yr College Degree	247	15.9	38	14.5	1	18.0	142	16.7	41	14.9
Bachelors Degree	1,408	18.8	169	15.7	6	20.5	935	19.7	177	16.8
Graduate Study	356	21.7	25	16.6	1	18.0	272	22.4	31	19.6
Prof. Level Degree	512	21.6	70	18.8	4	16.5	317	22.4	61	19.3
Other	90	15.7	12	13.6	1	15.0	59	16.1	13	15.0
No Response	24,640	18.2	3,107	15.3	174	16.4	12,585	19.5	3,148	17.0

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	138	15.3	2	17.0	0	.	4	14.3	2	14.5
2-yr College Degree	247	15.9	1	14.0	4	14.0	18	15.7	2	15.0
Bachelors Degree	1,408	18.8	28	20.2	7	16.3	66	19.1	20	18.0
Graduate Study	356	21.7	9	20.6	0	.	14	22.4	4	21.3
Prof. Level Degree	512	21.6	22	24.9	3	22.0	30	22.7	5	21.8
Other	90	15.7	0	.	0	.	2	19.0	3	17.0
No Response	24,640	18.2	398	22.1	109	14.2	1,186	18.6	3,933	16.5

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

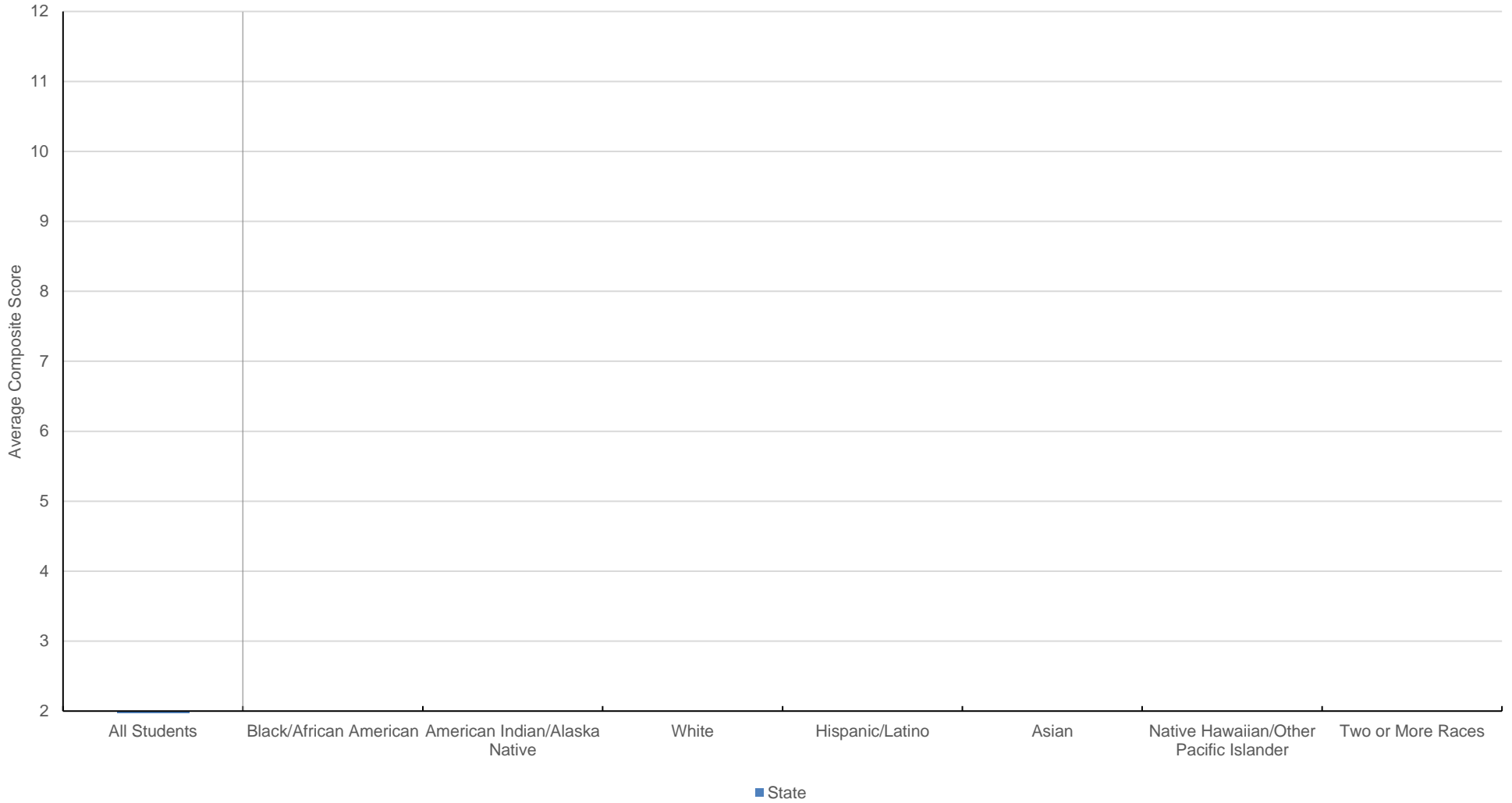
Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF ARKANSAS	Arkansas	4,214	1,782	2,432	1	12	27	30	18	10	2
UNIVERSITY OF CENTRAL ARKANSAS	Arkansas	2,713	747	1,966	2	12	29	31	17	7	1
ARKANSAS TECH UNIVERSITY	Arkansas	2,457	997	1,460	3	17	31	29	14	6	1
ARKANSAS STATE UNIVERSITY	Arkansas	2,359	1,163	1,196	3	17	31	29	14	5	0
UNIV OF ARKANSAS-FORT SMITH	Arkansas	977	360	617	4	19	34	25	13	5	0
UNIVERSITY OF ARKANSAS AT LITTLE ROCK	Arkansas	926	171	755	3	16	33	26	15	6	1
HENDERSON STATE UNIVERSITY	Arkansas	818	233	585	3	22	33	27	11	3	0
HARDING UNIVERSITY	Arkansas	547	125	422	3	14	27	33	14	8	2
SOUTHERN ARKANSAS UNIVERSITY	Arkansas	537	152	385	4	23	35	23	11	4	1
ARKANSAS STATE UNIVERSITY-BEEBE	Arkansas	517	247	270	7	25	36	21	9	2	1
HENDRIX COLLEGE	Arkansas	504	91	413	3	12	28	28	17	10	2
OUACHITA BAPTIST UNIVERSITY	Arkansas	485	99	386	2	14	22	33	20	8	1
NORTHWEST ARKANSAS COMMUNITY COLLEGE	Arkansas	371	134	237	4	25	34	25	10	3	1
UNIV OF ARKANSAS FOR MEDICAL SCIENCES	Arkansas	319	46	273	2	18	32	26	15	6	1
UNIV OF ARKANSAS AT MONTICELLO	Arkansas	295	117	178	7	29	32	22	8	1	0
LYON COLLEGE	Arkansas	281	59	222	2	20	29	29	12	7	1
ARKANSAS STATE UNIVERSITY-NEWPORT	Arkansas	232	49	183	7	26	43	15	8	1	0
JOHN BROWN UNIVERSITY	Arkansas	232	49	183	3	15	25	35	15	8	1
ARKANSAS BAPTIST COLLEGE	Arkansas	230	108	122	13	41	32	13	2	0	0
UNIV OF ARKANSAS COMM COLL-MORRILTON	Arkansas	229	78	151	5	23	37	25	9	2	0
PULASKI TECHNICAL COLLEGE	Arkansas	226	69	157	8	30	32	16	10	4	0
UNIV OF ARKANSAS AT PINE BLUFF	Arkansas	221	58	163	5	40	38	14	1	1	0
NATIONAL PARK COLLEGE	Arkansas	212	76	136	6	28	34	24	7	2	0
WILLIAMS BAPTIST COLLEGE	Arkansas	206	35	171	2	19	32	30	14	3	0
BLACK RIVER TECHNICAL COLLEGE	Arkansas	194	71	123	8	35	30	22	5	2	0
MID-SOUTH COMMUNITY COLLEGE	Arkansas	194	79	115	11	35	25	22	5	3	0
ARKANSAS STATE UNIVERSITY-MOUNTAIN HOME	Arkansas	191	60	131	6	30	31	21	9	2	0
NORTH ARKANSAS COLLEGE	Arkansas	191	83	108	7	27	31	23	10	2	0
UNIVERSITY OF THE OZARKS	Arkansas	184	31	153	5	19	32	22	16	5	2
TEXAS A&M UNIVERSITY-MAIN CAMPUS	Texas	183	37	146	1	9	20	29	24	15	3
All Other Institutions		9,848	2,356	7,492	4	17	26	23	16	11	3
Total		31,093	9,762	21,331	3	17	29	26	15	8	1

This page intentionally left blank.

Section V

Optional Writing Test Results

Figure 5.1. Average ACT Writing Scores by Race/Ethnicity*



*Missing columns reflect race/ethnicity groupings that are missing.

Table 5.1. Average ACT English Language Arts Constituent Scores by Race/Ethnicity and Gender¹ for Students Who Took ACT Writing

	N State	Average ACT Scores		
		English State	Reading State	Writing State
All Students	0	.	.	.
Black/African American
American Indian/Alaska Native
White
Hispanic/Latino
Asian
Native Hawaiian/Other Pacific Islander
Two or More Races
Prefer not/No Response
Males
Females
Other Responses

Table 5.2. Average ACT English Language Arts Outcomes by Race/Ethnicity and Gender¹ for Students Who Took ACT Writing

	N State	Average ACT Scores	
		Average ELA Score State	Percent Who Met ELA Benchmark State
All Students	0	.	.
Black/African American	0	.	.
American Indian/Alaska Native	0	.	.
White	0	.	.
Hispanic/Latino	0	.	.
Asian	0	.	.
Native Hawaiian/Other Pacific Islander	0	.	.
Two or More Races	0	.	.
Prefer not/No Response	0	.	.
Males	0	.	.
Females	0	.	.
Other Responses	0	.	.

¹ 'Other Responses' include 'Another Gender', 'Prefer Not to Respond', and missing values.

