

**ACT HIGH SCHOOL PROFILE REPORT  
H S GRADUATING CLASS 2005**

**STATE COMPOSITE FOR  
VIRGINIA**

**CODE 470-000**



THE 2005 ACT HIGH SCHOOL PROFILE REPORT REFLECTS THE CHARACTERISTICS OF STUDENTS WHO TOOK THE ACT ASSESSMENT DURING THEIR SOPHOMORE, JUNIOR OR SENIOR YEAR, AND WHO GRADUATED FROM HIGH SCHOOL IN THE SPRING OF 2005. THE MOST RECENT TEST RECORD IS USED FOR STUDENTS TESTING MORE THAN ONCE. BEGINNING IN 2002, A REFINED METHODOLOGY FOR IDENTIFYING A STUDENT'S MOST RECENT TEST RECORD WAS USED (SEE APPENDIX FOR A DESCRIPTION).

CHANGES IN AVERAGE ACT ASSESSMENT SCORES REFLECT REAL DIFFERENCES IN STUDENT PREPARATION AND PERFORMANCE AS WELL AS INCREASES IN THE PERCENTAGE OF TESTED GRADUATES IN EACH STATE, INCLUDING STATES REQUIRING STUDENTS TO TAKE THE ACT ASSESSMENT.

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THE TABLE BELOW COMPARES AVERAGE ACT SCORES FOR STUDENTS WHO REPORTED THEY COMPLETED OR PLANNED TO COMPLETE THE RECOMMENDED CORE COLLEGE PREPARATORY CURRICULUM WITH THOSE WHO HAD NOT. PLEASE NOTE THAT STATE DEPARTMENTS OF EDUCATION MAY HAVE A DIFFERENT DEFINITION OF THE COLLEGE PREPARATORY COURSES AND MAY, THEREFORE, PUBLISH REPORTS SHOWING SLIGHTLY DIFFERENT DATA. SEE APPENDIX FOR DEFINITION OF CORE.

## EXECUTIVE SUMMARY - AVERAGE ACT SCORES BY LEVEL OF ACADEMIC PREPARATION

	NUMBER CORE/LESS	PERCENT CORE/LESS	ENGLISH CORE/LESS	MATH CORE/LESS	READING CORE/LESS	SCIENCE CORE/LESS	COMPOSITE CORE/LESS	
2000-01	4689	1644	68/ 24	20.8/18.3	20.8/18.6	21.6/19.2	21.0/19.0	21.2/18.9
2001-02	5646	1367	71/ 17	20.7/18.2	20.8/18.7	21.4/19.2	20.8/19.0	21.1/18.9
2002-03	6275	1750	66/ 19	20.8/18.5	20.7/18.8	21.5/19.7	20.8/19.3	21.1/19.2
2003-04	6565	1985	65/ 20	21.1/18.6	21.3/19.0	21.7/19.6	21.3/19.3	21.5/19.3
2004-05	6660	2246	62/ 21	21.2/18.7	21.1/19.1	21.8/19.6	21.2/19.3	21.5/19.3

## EXECUTIVE SUMMARY - AVERAGE ACT SCORES FOR TOTAL GROUP

	NUMBER	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
2000-01	6936	20.1	20.2	21.0	20.4	20.6
2001-02	7960	20.1	20.3	20.9	20.4	20.6
2002-03	9452	20.2	20.3	21.0	20.4	20.6
2003-04	10172	20.4	20.7	21.2	20.7	20.9
2004-05	10806	20.5	20.6	21.2	20.6	20.8

## EXECUTIVE SUMMARY - ACT SCORE QUARTILE VALUES FOR TOTAL GROUP

	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
Q3 (75TH PERCENTILE)	24.4	24.1	25.7	23.4	24.1
Q2 (50TH PERCENTILE - MEDIAN)	20.4	19.8	20.7	20.5	20.6
Q1 (25TH PERCENTILE)	16.3	16.7	16.3	17.8	17.3

QUARTILE VALUES ARE INTERPOLATED AND ARE BASED UPON CALCULATED STUDENT PERCENTILE RANKS WHICH MAY DIFFER FROM THE CUMULATIVE PERCENTAGES REPORTED IN TABLES 4 AND 5 OF THIS REPORT.



TABLE 1 AVERAGE ACT SCORES BY ACADEMIC PREPARATION FOR RACIAL/ETHNIC GROUPS

	AFRI-AM/ BLACK AVERAGE	AM IND, ALSK NTV AVERAGE	CAUC-AM/ WHITE AVERAGE	MEX-AM/ CHICANO AVERAGE	ASIAN-AM, PAC ISLDR AVERAGE	P RICAN, HISPANIC AVERAGE
CORE OR MORE	(N= 1532)	(N= 28)	(N= 3897)	(N= 68)	(N= 286)	(N= 135)
ENGLISH	17.6	20.6	22.5	19.6	20.4	20.3
USAGE/MECH	8.6	10.3	11.6	9.5	10.5	10.3
RHET SKILLS	9.0	10.4	11.5	10.4	10.3	10.3
MATHEMATICS	18.0	20.3	22.2	21.5	21.9	20.8
PRE/ELEM-ALG	9.5	11.0	12.1	11.5	11.7	11.3
ALG/CRD-GEOM	9.0	9.9	11.2	10.9	11.2	10.2
PLANE GEOM/TRIG	8.3	9.7	10.9	10.7	10.9	10.3
READING	18.0	22.3	23.2	22.0	21.0	21.3
SOC STU/SCI	8.8	11.2	11.6	11.0	10.6	10.7
ARTS/LITERATURE	9.3	11.4	12.1	11.4	10.8	11.0
SCIENCE	18.5	20.2	22.2	21.1	21.3	20.5
COMPOSITE	18.2	21.1	22.6	21.2	21.2	20.9
LESS THAN CORE	(N= 703)	(N= 10)	(N= 1133)	(N= 21)	(N= 84)	(N= 53)
ENGLISH	14.9	17.1	20.7	20.3	20.2	18.1
USAGE/MECH	7.0	8.5	10.4	10.2	10.0	8.7
RHET SKILLS	7.6	8.9	10.6	10.5	10.5	9.4
MATHEMATICS	16.1	17.9	20.4	20.0	23.0	18.6
PRE/ELEM-ALG	7.9	8.9	10.8	10.6	12.1	9.6
ALG/CRD-GEOM	7.9	8.8	10.3	10.3	11.6	9.1
PLANE GEOM/TRIG	7.5	9.1	10.1	10.2	11.7	9.0
READING	15.8	17.0	21.6	21.2	21.6	19.6
SOC STU/SCI	7.7	8.9	10.8	10.6	11.0	9.6
ARTS/LITERATURE	7.8	8.2	11.1	11.0	10.9	10.2
SCIENCE	16.5	18.0	20.7	20.1	21.3	18.5
COMPOSITE	16.0	17.6	21.0	20.6	21.6	18.8
NO RESPONSE	(N= 313)	(N= 2)	(N= 1087)	(N= 11)	(N= 69)	(N= 43)

TABLE 1 AVERAGE ACT SCORES BY ACADEMIC PREPARATION FOR RACIAL/ETHNIC GROUPS (CONT.)

	AFRI-AM/ BLACK AVERAGE	AM IND, ALSK NTV AVERAGE	CAUC-AM/ WHITE AVERAGE	MEX-AM/ CHICANO AVERAGE	ASIAN-AM, PAC ISLDR AVERAGE	P RICAN, HISPANIC AVERAGE
TOTAL GROUP	(N= 2548)	(N= 40)	(N= 6117)	(N= 100)	(N= 439)	(N= 231)
ENGLISH	16.6	19.8	21.9	19.8	20.4	19.4
USAGE/MECH	8.0	9.8	11.2	9.7	10.4	9.6
RHET SKILLS	8.4	10.1	11.2	10.3	10.3	9.9
MATHEMATICS	17.3	19.8	21.7	21.4	22.3	20.1
PRE/ELEM-ALG	8.9	10.5	11.7	11.4	11.9	10.7
ALG/CRD-GEOM	8.6	9.7	10.9	10.9	11.3	9.9
PLANE GEOM/TRIG	8.0	9.7	10.7	10.7	11.1	9.8
READING	17.2	20.9	22.7	21.8	21.1	20.7
SOC STU/SCI	8.4	10.6	11.4	10.9	10.6	10.4
ARTS/LITERATURE	8.7	10.5	11.8	11.3	10.8	10.6
SCIENCE	17.8	19.8	21.7	21.0	21.3	19.9
COMPOSITE	17.3	20.2	22.1	21.1	21.3	20.1

TABLE 2 AVERAGE ACT COMPOSITE SCORES BY ABILITY LEVEL FOR RACIAL/ETHNIC GROUPS

	AFRI-AM/ BLACK NUMBER AVG	AM IND, ALSK NTV NUMBER AVG	CAUC-AM/ WHITE NUMBER AVG	MEX-AM/ CHICANO NUMBER AVG	ASIAN-AM, PAC ISLDR NUMBER AVG	P RICAN, HISPANIC NUMBER AVG
HIGH SCHOOL AVERAGE						
3.50 - 4.00	226 21.5	8 24.0	1735 25.0	21 25.0	117 24.1	49 23.3
3.00 - 3.49	534 18.9	9 22.0	1343 21.8	21 21.6	106 20.8	46 20.4
2.50 - 2.99	601 17.0	12 19.1	699 19.7	13 17.9	56 18.5	31 18.9
2.00 - 2.49	396 15.5	5 15.4	258 18.4	8 18.4	22 17.2	17 15.9
1.99 & BELOW	120 14.8	0 0.0	51 16.5	4 15.5	2 13.0	3 17.3
CGPA PRED BY STUDENT						
3.5 - 4.0	336 20.1	12 22.7	1575 24.8	29 23.7	131 23.9	63 22.5
3.0 - 3.4	913 18.2	17 19.3	2383 21.8	49 20.7	166 20.6	80 20.1
2.5 - 2.9	588 16.4	7 18.7	774 19.4	6 16.8	49 17.6	29 17.4
2.0 - 2.4	273 14.9	2 17.5	236 17.8	5 17.2	9 16.2	13 14.9
1.9 & BELOW	48 14.3	0 0.0	24 16.0	0 0.0	0 0.0	1 12.0
HIGH SCHOOL RANK						
TOP QUARTER	545 19.9	13 23.5	2307 24.2	33 23.8	162 23.5	68 22.1
2ND QUARTER	801 17.4	11 19.3	1441 20.6	26 18.7	116 19.7	62 19.6
BOTTOM HALF	615 15.6	9 18.2	608 18.6	10 17.5	45 17.6	34 16.9



TABLE 3 STUDENT SATISFACTION WITH VARIOUS ASPECTS OF HIGH SCHOOL EXPERIENCE

		SATISFIED NO CHANGE NECESSARY		PRETTY MUCH NEUTRAL		DISSATISFIED IMPROVEMENT NEEDED		NO EXPER- IENCE	
		NUMBER	PCT	NUMBER	PCT	NUMBER	PCT	NUMBER	PCT
CLASSROOM INSTRUCTION	MALE	1538	14	727	7	201	2	32	0
	FEMALE	2719	25	1521	14	466	4	56	1
	TOTAL	4302	40	2276	21	676	6	88	1
NO. & VARIETY OF COURSE OFFERINGS	MALE	1458	13	620	6	386	4	31	0
	FEMALE	2632	24	1096	10	961	9	63	1
	TOTAL	4134	38	1737	16	1364	13	94	1
GRADING PRACTICES & POLICIES	MALE	1231	11	828	8	401	4	34	0
	FEMALE	2335	22	1542	14	821	8	56	1
	TOTAL	3604	33	2397	22	1239	11	90	1
NO. & KINDS OF TESTS GIVEN	MALE	1143	11	1019	9	296	3	33	0
	FEMALE	2034	19	1841	17	815	8	53	0
	TOTAL	3218	30	2886	27	1126	10	86	1
GUIDANCE SERV PROVIDED BY GUIDANCE OFFICE	MALE	1385	13	619	6	412	4	78	1
	FEMALE	2415	22	1105	10	1099	10	124	1
	TOTAL	3838	36	1742	16	1535	14	204	2
SCHOOL RULES, REGULATIONS, & POLICIES	MALE	1070	10	839	8	537	5	50	0
	FEMALE	1834	17	1550	14	1283	12	75	1
	TOTAL	2939	27	2412	22	1844	17	125	1
LIBRARY OR LEARNING CENTER	MALE	1392	13	789	7	235	2	73	1
	FEMALE	2626	24	1497	14	498	5	119	1
	TOTAL	4064	38	2315	21	740	7	192	2
LABORATORY FACILITIES	MALE	1226	11	812	8	344	3	106	1
	FEMALE	2203	20	1608	15	735	7	187	2
	TOTAL	3464	32	2450	23	1091	10	297	3
PROVISIONS FOR SPECIAL HELP IN READING, MATH, ETC	MALE	1011	9	726	7	230	2	522	5
	FEMALE	1882	17	1365	13	571	5	906	8
	TOTAL	2931	27	2115	20	809	7	1440	13
PROVISIONS FOR ACADEMICALLY OUTSTANDING STU	MALE	1485	14	641	6	171	2	190	2
	FEMALE	2993	28	1104	10	380	4	259	2
	TOTAL	4531	42	1767	16	558	5	449	4
ADEQUACY OF PROG IN CAREER EDUC & PLANNING	MALE	1148	11	825	8	316	3	197	2
	FEMALE	2107	19	1471	14	727	7	408	4
	TOTAL	3290	30	2322	21	1059	10	610	6

NUMBER OF STUDENTS - 10806

TABLE 4 ACT SCORE DISTRIBUTIONS, CUMULATIVE PERCENTAGES, AND AVERAGES FOR ALL STUDENTS (NUMBER OF STUDENTS = 10806)

STD SCORE	ACT ENGLISH		ACT MATHEMATICS		ACT READING		ACT SCIENCE		ACT COMPOSITE	
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP
36	7	99	3	99	46	99	18	99	0	99
35	32	99	30	99	79	99	28	99	11	99
34	115	99	64	99	148	99	41	99	15	99
33	78	99	45	99	194	97	26	99	39	99
32	122	98	72	99	153	96	71	99	72	99
31	149	97	106	98	223	94	59	98	108	99
30	183	95	106	97	272	92	61	98	177	98
29	328	94	223	96	298	90	155	97	249	96
28	317	91	250	94	354	87	188	96	299	94
27	294	88	461	92	501	84	261	94	434	91
26	430	85	555	87	521	79	498	92	484	87
25	563	81	507	82	386	74	533	87	573	83
24	600	76	782	78	640	71	680	82	674	77
23	507	70	656	70	610	65	874	76	742	71
22	762	66	490	64	602	59	804	68	791	64
21	815	58	557	60	491	53	1138	60	839	57
20	814	51	691	55	909	49	1166	50	829	49
19	702	43	747	48	542	41	862	39	834	41
18	674	37	851	41	451	36	945	31	790	34
17	529	31	1104	33	559	31	655	22	728	26
16	480	26	1099	23	648	26	498	16	674	20
15	703	21	750	13	437	20	402	12	543	13
14	434	15	366	6	659	16	234	8	380	8
13	278	11	207	3	398	10	221	6	262	5
12	231	8	45	1	352	6	151	4	159	2
11	214	6	27	1	210	3	103	2	62	1
10	157	4	8	1	63	1	76	1	23	1
9	81	3	1	1	28	1	31	1	10	1
8	120	2	0	1	17	1	13	1	3	1
7	61	1	2	1	3	1	3	1	2	1
6	23	1	0	1	5	1	9	1	0	1
5	1	1	0	1	4	1	0	1	0	1
4	1	1	0	1	2	1	1	1	0	1
3	1	1	1	1	0	1	1	1	0	1
2	0	1	0	1	1	1	0	1	0	1
1	0	1	0	1	0	1	0	1	0	1

NUMBER AND PERCENT OF STUDENTS IN THE COLLEGE READINESS STANDARDS SCORE RANGES

33-36	232	2	142	1	467	4	113	1	65	1
28-32	1099	10	757	7	1300	12	534	5	905	8
24-27	1887	17	2305	21	2048	19	1972	18	2165	20
20-23	2898	27	2394	22	2612	24	3982	37	3201	30
16-19	2385	22	3801	35	2200	20	2960	27	3026	28
13-15	1415	13	1323	12	1494	14	857	8	1185	11
01-12	890	8	84	1	685	6	388	4	259	2

AVG(SD) 20.5( 5.8) 20.6( 4.8) 21.2( 6.1) 20.6( 4.5) 20.8( 4.7)

NOTE: CP IS THE CUMULATIVE PERCENT OF STUDENTS AT OR BELOW A SCORE POINT (SEE APPENDIX).

TABLE 5 ACT SUBSCORE DISTRIBUTIONS, CUMULATIVE PERCENTAGES, AND AVERAGES FOR ALL STUDENTS (NUMBER OF STUDENTS = 10806)

STD SCORE	USAGE/MECH		RHET SKILLS		SOC STU/SCI		ARTS/LIT		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	
18	235	99	42	99	131	99	395	99	18
17	440	98	121	99	524	99	566	96	17
16	413	94	383	98	490	94	731	91	16
15	667	90	521	95	650	89	746	84	15
14	598	84	769	90	673	83	480	77	14
13	672	78	753	83	749	77	828	73	13
12	920	72	1294	76	1070	70	1357	65	12
11	1142	63	1316	64	947	60	880	53	11
10	1098	53	1487	52	1090	52	840	45	10
9	1015	43	1394	38	1234	41	793	37	9
8	1024	33	1035	25	1123	30	870	30	8
7	844	24	668	16	778	20	728	21	7
6	735	16	438	9	581	12	623	15	6
5	449	9	307	5	347	7	617	9	5
4	321	5	182	3	204	4	229	3	4
3	158	2	74	1	130	2	76	1	3
2	66	1	22	1	57	1	42	1	2
1	9	1	0	1	28	1	5	1	1
AVERAGE		10.3		10.4		10.6		11.0	
S.D.		3.7		3.0		3.6		3.9	

STD SCORE	PRE/ELEM ALG		ALG/CRD-GEOM		PLN GEOM/TRIG		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	
18	196	99	57	99	47	99	18
17	325	98	76	99	62	99	17
16	622	95	203	99	210	99	16
15	611	89	298	97	425	97	15
14	977	84	837	94	614	93	14
13	1053	75	678	86	916	87	13
12	851	65	1649	80	1258	79	12
11	1175	57	1337	65	953	67	11
10	994	46	1471	52	2020	58	10
9	763	37	1745	39	1172	40	9
8	1528	30	931	23	1027	29	8
7	1093	16	618	14	931	19	7
6	405	6	391	8	572	11	6
5	131	2	233	5	72	6	5
4	53	1	153	3	320	5	4
3	17	1	98	1	29	2	3
2	10	1	4	1	144	2	2
1	2	1	27	1	34	1	1
AVERAGE		11.0		10.3		10.1	
S.D.		3.3		2.8		3.0	

NOTE: CP IS THE CUMULATIVE PERCENT OF STUDENTS AT OR BELOW A SCORE POINT (SEE APPENDIX).

TABLE 6 AVERAGE ACT SCORES AND STANDARD DEVIATIONS FOR MALES AND FEMALES

GROUP	NUMBER OF STUDENTS	ENGLISH		MATH		READING		SCIENCE		COMPOSITE	
		AVERAGE	SD	AVERAGE	SD	AVERAGE	SD	AVERAGE	SD	AVERAGE	SD
MALES	4000	19.8	5.9	21.3	5.2	20.7	6.2	21.0	4.9	20.8	5.0
FEMALES	6658	20.9	5.6	20.2	4.5	21.5	5.9	20.4	4.2	20.9	4.5
NO RESPONSE	148	19.5	5.2	19.9	3.7	20.7	5.7	20.5	3.6	20.3	4.0

PERCENT OF STUDENTS IN THE COLLEGE READINESS STANDARDS SCORE RANGES BY GENDER

SCORE RANGE	M		F		M		F		M		F	
	M	F	M	F	M	F	M	F	M	F	M	F
33-36	2	2	2	1	4	4	2	1	1	0		
28-32	9	11	10	5	11	12	7	4	9	8		
24-27	16	18	23	20	18	20	20	17	20	20		
20-23	24	28	21	23	22	26	33	39	27	31		
16-19	22	22	31	37	20	20	25	29	27	28		
13-15	15	12	12	13	16	13	8	8	13	10		
01-12	11	6	1	1	8	5	4	3	3	2		

TABLE 7 EXPRESSED ADEQUACY OF HS EDUCATION ACCORDING TO HS CURRICULUM OR PROGRAM

EXPRESSED ADEQUACY	TOTAL		AVG ACT COMP	BUS-COMM		VOC-OCC		COL PREP		OTHER-GEN	
	NUMBER	PCT		NUMBER	PCT	NUMBER	PCT	NUMBER	PCT	NUMBER	PCT
EXCELLENT	1893	24	23.1	40	10	43	15	1537	28	273	15
GOOD	3009	38	20.8	151	37	117	40	2052	38	689	39
AVERAGE	1517	19	18.7	121	30	88	30	822	15	486	27
BELOW AVERAGE	236	3	18.6	22	5	14	5	125	2	75	4
VERY INADEQUATE	466	6	19.7	38	9	16	5	314	6	98	5
NO RESPONSE	799	10	21.4	31	8	18	6	589	11	161	9
NO. OF STUDENTS	7920			403		296		5439		1782	

TABLE 8 AVERAGE ACT SCORES AND STANDARD DEVIATIONS BY COURSE PATTERNS AND HIGH SCHOOL GPA RANGES

GROUP	NUMBER OF STUDENTS	ENGLISH		MATH		READING		SCIENCE		COMPOSITE	
		AVG	SD	AVG	SD	AVG	SD	AVG	SD	AVG	SD
ALL GRADUATES	10806	20.5	5.8	20.6	4.8	21.2	6.1	20.6	4.5	20.8	4.7
COLLEGE CORE											
E4, M3, SS3, NS3	6660	21.2	5.6	21.1	4.7	21.8	5.9	21.2	4.3	21.5	4.6
In between	1129	17.5	6.0	17.8	4.4	18.5	6.1	18.2	4.4	18.1	4.7
E4, M2, SS2, NS2	1117	19.9	5.7	20.4	4.9	20.8	5.9	20.4	4.6	20.5	4.7
No Response	1900	20.1	5.7	20.5	4.6	20.9	6.0	20.3	4.4	20.5	4.6
HS GPA RANGES											
3.50 - 4.00	2458	24.7	5.0	24.3	4.4	25.3	5.5	23.6	4.1	24.6	4.0
3.00 - 3.49	2283	20.7	4.8	20.6	4.2	21.3	5.4	20.9	3.8	21.0	3.9
2.50 - 2.99	1551	18.0	4.6	18.3	3.6	18.7	5.0	18.9	3.8	18.6	3.6
2.00 - 2.49	769	15.6	4.5	16.8	2.9	16.6	4.6	17.3	3.6	16.7	3.3
1.99 & below	202	13.8	3.9	15.8	2.4	15.2	4.0	16.1	3.7	15.3	2.8

TABLE 9 HIGH SCHOOL GPAS AND AVERAGE ACT SCORES BY COMMON COURSE PATTERNS  
(TOTAL)

ENGLISH COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS ENGLISH	ACT ENGLISH	ACT COMP
ENG 9, ENG 10, ENG 11, ENG 12, SPEECH	847	8	3.32	21.0	21.0
ENG 9, ENG 10, ENG 11, ENG 12	7156	66	3.17	20.5	20.9
LESS THAN 4 YEARS OF ENGLISH	871	8	3.21	20.4	20.9
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	1932	18	- . -	20.1	20.5
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	766	7	3.45	23.9	23.9
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	1126	10	3.13	21.6	22.1
ALG 1, ALG 2, GEOM, TRIG	1249	12	2.93	19.7	20.2
ALG 1, ALG 2, GEOM, OTHER ADV MATH	1047	10	2.91	19.6	20.4
ALG 1, ALG 2, GEOM	1373	13	2.47	16.9	17.3
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	1963	18	3.40	23.9	23.6
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	390	4	2.86	19.2	19.6
LESS THAN 3 YEARS OF MATH	860	8	2.38	18.2	18.5
NO MATH COURSE/GRADE INFORMATION REPORTED	2032	19	- . -	20.5	20.6
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	1051	10	3.30	22.2	21.6
US HIST, WORLD HIST, AM GOVT	1444	13	3.21	20.6	20.4
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	2484	23	3.44	22.3	21.7
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	2705	25	3.26	20.6	20.4
LESS THAN 3 YEARS OF SOC SCI	1061	10	3.13	20.6	20.4
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	2061	19	- . -	20.9	20.5
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	3461	32	3.33	22.0	22.3
BIOLOGY, CHEMISTRY, PHYSICS	778	7	3.31	23.2	23.9
GEN SCIENCE, BIOLOGY, CHEMISTRY	3042	28	3.04	19.8	19.8
OTHER COMBINATIONS OF 3 YEARS NAT SCI	218	2	2.83	18.3	18.1
LESS THAN 3 YEARS OF NAT SCI	1168	11	2.71	18.3	18.2
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	2139	20	- . -	20.3	20.6

STATE COMPOSITE FOR  
VIRGINIATABLE 9 HIGH SCHOOL GPAS AND AVERAGE ACT SCORES BY COMMON COURSE PATTERNS  
FOR MALES

ENGLISH COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS ENGLISH	ACT ENGLISH	ACT COMP
ENG 9, ENG 10, ENG 11, ENG 12, SPEECH	288	7	3.26	20.6	21.3
ENG 9, ENG 10, ENG 11, ENG 12	2449	61	3.02	19.8	20.9
LESS THAN 4 YEARS OF ENGLISH	350	9	3.08	20.0	21.1
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	913	23	- . -	19.2	20.2
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	264	7	3.39	24.8	24.0
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	297	7	3.02	22.4	22.1
ALG 1, ALG 2, GEOM, TRIG	384	10	2.92	20.4	20.3
ALG 1, ALG 2, GEOM, OTHER ADV MATH	294	7	2.80	20.1	20.2
ALG 1, ALG 2, GEOM	518	13	2.38	17.2	17.2
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	813	20	3.38	25.0	23.9
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	157	4	2.73	19.6	19.3
LESS THAN 3 YEARS OF MATH	319	8	2.33	18.7	18.5
NO MATH COURSE/GRADE INFORMATION REPORTED	954	24	- . -	20.8	20.2
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	367	9	3.20	21.5	21.5
US HIST, WORLD HIST, AM GOVT	495	12	3.12	20.3	20.4
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	787	20	3.40	22.1	22.0
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	950	24	3.20	20.2	20.5
LESS THAN 3 YEARS OF SOC SCI	438	11	3.12	20.5	20.6
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	963	24	- . -	20.1	20.2
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	1290	32	3.31	22.6	22.5
BIOLOGY, CHEMISTRY, PHYSICS	297	7	3.29	24.4	24.6
GEN SCIENCE, BIOLOGY, CHEMISTRY	863	22	2.87	19.8	19.4
OTHER COMBINATIONS OF 3 YEARS NAT SCI	86	2	2.82	18.3	17.8
LESS THAN 3 YEARS OF NAT SCI	462	12	2.62	18.4	17.9
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	1002	25	- . -	20.3	20.2

STATE COMPOSITE FOR  
VIRGINIATABLE 9 HIGH SCHOOL GPAS AND AVERAGE ACT SCORES BY COMMON COURSE PATTERNS  
FOR FEMALES

ENGLISH COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS ENGLISH	ACT ENGLISH	ACT COMP
ENG 9, ENG 10, ENG 11, ENG 12, SPEECH	548	8	3.35	21.1	20.8
ENG 9, ENG 10, ENG 11, ENG 12	4616	69	3.25	20.9	20.9
LESS THAN 4 YEARS OF ENGLISH	511	8	3.30	20.6	20.7
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	983	15	- . -	20.9	20.9
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	489	7	3.48	23.5	23.8
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	814	12	3.17	21.4	22.1
ALG 1, ALG 2, GEOM, TRIG	844	13	2.94	19.4	20.2
ALG 1, ALG 2, GEOM, OTHER ADV MATH	736	11	2.94	19.4	20.6
ALG 1, ALG 2, GEOM	843	13	2.52	16.6	17.3
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	1131	17	3.42	23.1	23.4
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	225	3	2.94	19.0	19.9
LESS THAN 3 YEARS OF MATH	533	8	2.42	17.9	18.5
NO MATH COURSE/GRADE INFORMATION REPORTED	1043	16	- . -	20.3	20.9
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	669	10	3.35	22.5	21.6
US HIST, WORLD HIST, AM GOVT	932	14	3.25	20.9	20.5
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	1658	25	3.45	22.4	21.6
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	1726	26	3.29	20.8	20.4
LESS THAN 3 YEARS OF SOC SCI	614	9	3.14	20.7	20.2
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	1059	16	- . -	21.7	20.9
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	2124	32	3.34	21.6	22.2
BIOLOGY, CHEMISTRY, PHYSICS	475	7	3.33	22.4	23.5
GEN SCIENCE, BIOLOGY, CHEMISTRY	2134	32	3.11	19.7	19.9
OTHER COMBINATIONS OF 3 YEARS NAT SCI	128	2	2.83	18.3	18.3
LESS THAN 3 YEARS OF NAT SCI	699	10	2.77	18.2	18.4
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	1098	16	- . -	20.4	21.0

TABLE 10 DISTRIBUTION OF PLANNED EDUCATIONAL MAJOR AND FIRST VOCATIONAL CHOICE

	---PLANNED EDUC MAJOR---				MALE		FEMALE		TOTAL	
	NUMBER OF STUDENTS	AVG ACT COMP	CERTAINTY VERY FAIRLY (PERCENT)		EDUC 1ST MAJOR VOC (PERCENT)		EDUC 1ST MAJOR VOC (PERCENT)		EDUC 1ST MAJOR VOC (PERCENT)	
AGRICULTURE SCIENCE/TECH	73	19.0	45	40	1	1	1	1	1	1
ARCH & ENVIR DESIGN	172	20.5	48	43	3	3	2	2	2	2
BUSINESS & MGMT	799	19.5	40	48	15	14	9	9	11	10
BUSINESS & OFFICE	45	18.6	38	53	0	1	1	1	1	1
MARKETING & DISTRIBUTION	98	19.5	38	50	1	1	2	2	1	2
COMMUNICATION & COMM TEC	330	20.6	43	44	4	4	5	6	5	5
COMMUNITY & PRSNL SVCS	166	18.3	58	36	2	3	2	3	2	3
COMPUTER & INFO SCI	218	20.4	43	46	7	7	1	1	3	3
CROSS-DISC STUDIES	9	24.1	56	22	0	0	0	0	0	0
EDUCATION	352	20.4	53	39	2	2	6	7	5	5
TEACHER EDUCATION	227	19.6	56	36	2	3	4	4	3	3
ENGINEERING	290	22.8	46	46	9	9	2	1	4	4
ENGINEERING-RELATED TECH	202	22.3	44	47	7	7	1	1	3	3
FOREIGN LANGUAGES	51	23.0	49	47	0	0	1	1	1	1
HEALTH SCI & ALLIED HLTH	1269	20.1	58	36	8	10	23	25	18	20
HUMAN, FAMILY/CONS SCI	77	18.9	47	42	1	1	1	2	1	1
LETTERS	40	25.2	40	50	0	0	1	0	1	0
MATHEMATICS	39	22.2	26	62	1	1	0	0	1	0
PHILOS, RELIG & THEOL	58	22.1	53	31	1	1	1	1	1	1
SCI (BIOL & PHYSICAL)	571	22.8	45	47	7	5	9	6	8	5
SOCIAL SCIENCES	780	21.8	46	45	9	8	12	11	11	10
TRADE & INDUSTRIAL	21	18.7	57	24	1	2	0	0	0	1
VISUAL & PERFORM ARTS	446	20.7	56	35	6	6	6	7	6	6
UNDECIDED	834	21.2	10	18	13	12	11	11	12	11
NO RESPONSE	3639									

NUMBER OF STUDENTS - 10806



TABLE 11 SUMMARY OF RESPONSES TO VARIOUS DEMOGRAPHIC ITEMS

	NUMBER OF STUDENTS	AVERAGE ACT COMP	PCT		NUMBER OF STUDENTS	AVERAGE ACT COMP	PCT
HS CURRICULUM OR PROG				RACIAL/ETHNIC BACKGROUND			
BUS COMM/VOC-OCCUP	699	17.5	6	AFRICAN-AMER/BLACK	2548	17.3	24
COLL PREP	5439	21.9	50	AM INDIAN,ALASKAN NTV	40	20.2	0
OTHER/GENERAL/NO RESP	4668	20.1	43	CAUCASIAN-AMER/WHITE	6117	22.1	57
REQUEST ASSISTANCE WITH				MEXICAN-AMER/CHICANO	100	21.1	1
ED/OCCUP PLANS	3303	20.7	31	ASIAN-AMER,PACIFIC ISL	439	21.3	4
EXPR IDEAS IN WRITING	2123	19.2	20	PUERTO RICAN,HISPANIC	231	20.1	2
READING/COMPREHENSION	2329	19.0	22	OTHER	208	19.4	2
STUDY SKILLS	3708	19.3	34	MULTIRACIAL	203	21.0	2
MATH SKILLS	3555	19.2	33	PREFER NOT TO RESPOND	321	22.4	3
PERSONAL CONCERNS	881	18.8	8	NO RESPONSE	599	22.3	6
EXPRESSED FIN NEED				ESTIMATED FAMILY INCOME			
NEED FINANCIAL AID	7215	20.6	67	LESS THAN \$18,000	568	17.9	5
NEED TO FIND WORK	5292	20.3	49	ABOUT \$18,000-\$24,000	364	17.8	3
SPECIAL COLLEGE PROG				ABOUT \$24,000-\$30,000	446	18.8	4
INDEP STUDY	3604	21.5	33	ABOUT \$30,000-\$36,000	455	19.2	4
HONORS COURSES	3463	22.7	32	ABOUT \$36,000-\$42,000	465	20.2	4
ADV PLACEMENT IN COLL				ABOUT \$42,000-\$50,000	579	19.9	5
ENGLISH	3111	22.6	29	ABOUT \$50,000-\$60,000	634	20.7	6
MATH	2421	23.1	22	ABOUT \$60,000-\$80,000	1087	21.0	10
SOCIAL STUDIES	3077	22.7	28	ABOUT \$80,000-\$100,000	988	21.9	9
NATURAL SCIENCE	2375	22.8	22	MORE THAN \$100,000	1385	23.0	13
FOREIGN LANG	1817	22.8	17	NO RESPONSE	3835	21.2	35
MAX YEARLY COLL TUITION				HS CLASS RANK			
\$1000 & UNDER	125	16.0	1	TOP QTR	3501	23.5	32
\$1001 - \$2000	186	17.5	2	2ND QTR	2706	19.5	25
\$2001 - \$4000	541	18.5	5	3RD QTR	1326	17.2	12
\$4001 - \$7500	1460	20.0	14	4TH QTR	146	16.1	1
\$7501 & OVER	825	20.5	8	NO RESPONSE	3127	20.8	29
NO PREFERENCE	4580	21.5	42	EDUC DEG ASPIRATION			
NO RESPONSE	3089	21.1	29	VOC-TECH	21	16.0	0
MOST RECENTLY TESTED				2YR COL DEGREE	118	16.4	1
SOPHOMORE	40	20.8	0	BACHELORS DEGREE	3169	19.6	29
JUNIOR	2642	22.7	24	GRAD STUDY	2472	21.9	23
SENIOR	7817	20.2	72	PROF LEVEL DEGREE	2765	21.9	26
OTHER/NO RESPONSE	307	21.1	3	OTHER	244	17.7	2
COLLEGE CORE PREPARATION				NO RESPONSE	2017	20.6	19
CORE OR MORE	6660	21.5	62	NUMBER OF STUDENTS			
LESS THAN CORE	2246	19.3	21	HOME SCHOOLED	100	23.6	1
NO RESPONSE	1900	20.5	18	EARNED A GED	8	22.1	0
				ALL STUDENTS	10806	20.8	100

TABLE 12 STUDENTS' SCORE REPORT PREFERENCES AT TIME OF TESTING

INSTITUTION CODE NAME	ST	TOTAL NUMBER	1ST CHOICE NUMBER	2ND-6TH CHOICES NUMBER	STANDARD FOR TRANSITION RANGES							
					01- 12 PCT	13- 15 PCT	16- 19 PCT	20- 23 PCT	24- 27 PCT	28- 32 PCT	33- 36 PCT	
4370 JAMES MADISON UNIV	VA	1794	453	1341	0	4	19	40	29	7	0	
4420 VIRGINIA TECH	VA	1730	545	1185	1	4	19	36	30	10	1	
4379 VIRGINIA COMMNLTH U	VA	1515	438	1077	2	14	37	29	13	4	0	
4347 OLD DOMINION UNIV	VA	1471	392	1079	4	15	40	29	10	2	0	
4412 U OF VIRGINIA-MAIN	VA	1318	419	899	0	4	13	26	36	20	1	
4345 CHRISTOPHER NEWPORT	VA	1106	453	653	1	8	32	39	17	2	0	
4357 GEORGE MASON UNIV	VA	1035	299	736	1	8	31	38	18	4	0	
4422 RADFORD UNIVERSITY	VA	823	164	659	1	11	40	37	10	1	0	
4358 HAMPTON UNIV	VA	659	193	466	5	22	49	19	4	1	0	
4366 LONGWOOD UNIVERSITY	VA	651	129	522	1	9	33	41	15	1	0	
4425 NORFOLK STATE UNIV	VA	647	180	467	11	31	43	11	2	0	0	
4344 COLL OF WM & MARY	VA	622	214	408	0	2	8	26	39	24	1	
4424 VIRGINIA STATE UNIV	VA	578	145	433	11	34	40	11	2	1	0	
4414 U OF MARY WASHINGTON	VA	456	83	373	0	3	15	35	36	10	0	
4410 UNIV OF RICHMOND	VA	298	64	234	1	8	20	28	30	12	1	
9999 NCAA CLEARINGHOUSE	IA	269	136	133	4	17	36	25	14	4	0	
4364 LIBERTY UNIVERSITY	VA	260	91	169	2	23	29	26	15	6	0	
4342 BRIDGEWATER COLLEGE	VA	249	75	174	1	12	37	30	16	4	0	
4428 VIRGINIA UNION UNIV	VA	242	34	208	12	36	41	10	1	0	0	
4368 LYNCHBURG COLLEGE	VA	235	42	193	2	11	41	32	13	1	0	
3060 NORTH CAR A&T ST U	NC	215	74	141	4	25	48	20	2	1	0	
4392 ROANOKE COLLEGE	VA	202	39	163	0	10	31	35	16	7	0	
3162 UNC AT CHAPEL HILL	NC	193	45	148	1	5	15	32	27	18	2	
0674 HOWARD UNIVERSITY	DC	180	62	118	2	12	51	26	8	2	0	
4429 VIRGINIA WESLEYAN	VA	163	38	125	4	17	42	28	9	0	0	
4386 RANDOLPH-MACON COLL	VA	159	20	139	1	6	31	37	18	6	0	
3088 DUKE UNIVERSITY	NC	145	41	104	0	5	12	23	26	30	4	
4540 WEST VIRGINIA UNIV	WV	145	35	110	2	10	35	32	16	5	1	
4343 U OF VIRGINIA C WISE	VA	144	38	106	3	12	40	30	14	1	1	
3094 EAST CAROLINA U	NC	143	33	110	1	10	41	29	17	2	0	
4266 BRIGHAM YOUNG UNIV	UT	142	104	38	0	1	4	23	40	30	2	
4418 VIRGINIA MILITARY IN	VA	137	48	89	1	9	26	28	28	7	0	
3164 NORTH CAROLINA ST U	NC	136	27	109	1	6	26	31	29	7	0	
3096 ELON UNIVERSITY	NC	134	35	99	0	4	20	46	22	9	0	
4378 MARYMOUNT UNIV	VA	133	23	110	4	20	38	30	8	0	0	
ALL OTHER INSTITUTIONS		9797	2567	7230	3	10	26	28	22	10	1	
TOTALS		28126	7778	20348	2	11	28	30	20	8	1	

TABLE 13 AVERAGE ACT SCORES BY STUDENT PLANNED EDUCATIONAL MAJORS

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
AGRICULTURE SCIENCE/TECH	( 73)	(19.0)	BUSINESS & OFFICE	( 45)	(18.6)
AGRICULTURAL BUSINESS	1	15.0	BOOKKEEPING/ACCT TECH	6	20.5
AGRICULTURAL ECONOMICS	1	24.0	BUSINESS DP/COMPUTER OPER	0	0.0
AGRICULTURAL MECHANICS	0	0.0	COURT REPORTING	0	0.0
AGRI PRODUCTION/TECH	3	11.7	OFFICE SUPERVISION & MGMT	2	15.5
AGRONOMY	1	15.0	SECRETARIAL	3	15.7
ANIMAL SCIENCES	21	21.2	TYPING & GENERAL OFFICE	0	0.0
FARM & RANCH MANAGEMENT	2	24.0	WORD PROCESSING	0	0.0
FISH, GAME, WILDLIFE MGMT	4	19.8	BUSINESS & OFFICE, GEN	34	18.6
FOOD SCIENCES/ENGINEERING	0	0.0			
FORESTRY & RELATED SCI	2	16.0	MARKETING & DISTRIBUTION	( 98)	(19.5)
HORTICULTURE/ORNMENTAL HORT	1	20.0	FASHION MERCHANDISING	26	17.2
NATURAL RESOURCES MGMT	0	0.0	RETAILING & SALES	1	19.0
AGRICULTURE & AG TECH, GEN	37	18.3	TRAVEL SERVICES & TOURISM	0	0.0
			MARKETING & DISTRIB, GEN	71	20.3
ARCH & ENVIR DESIGN	( 172)	(20.5)			
ARCHITECTURAL DRAFTING	14	16.6	COMMUNICATIONS & COMM TECH	( 330)	(20.6)
ARCHITECTURE	46	22.0	ADVERTISING	12	21.8
BLDG CON/CONSTRUCTION SCI	3	19.7	GRAPHIC/COMMERCIAL ART	10	18.5
CITY, COMM & REG PLANNING	3	18.3	GRAPHIC & PRINT COMMUNIC	3	19.0
ENVIRONMENTAL DESIGN	1	18.0	JOURNALISM	61	21.5
INTERIOR DESIGN	38	20.0	PHOTO/FILM/VIDEO TECH	7	19.6
LANDSCAPE ARCHITECTURE	3	18.7	PUBLIC RELATIONS	15	21.7
ARCHI & ENVIR DESIGN, GEN	64	20.7	RADIO/TV BROADCASTING	45	19.1
			RADIO/TV PRODUCTN & TECH	14	18.0
BUSINESS & MGMT	( 799)	(19.5)	COMMUNIC & COMM TECH, GEN	163	21.0
ACCOUNTING	91	19.6			
BANKING & FINANCE	14	21.4	COMMNTY & PRSNL SVCS	( 166)	(18.3)
BUSINESS ADMIN & MGMT	128	18.0	CORRECTIONS	0	0.0
BUSINESS ECONOMICS	10	20.6	COSMETOLOGY/HAIRSTYLING	3	16.0
CONTRACT MGMT & PURCHSING	4	18.0	CRIMINAL JUSTICE/CRIMINOL	90	18.1
HOTEL/RESTAURANT MGMT	16	18.4	FIRE PROTECTN/SAFETY TECH	4	20.0
HUMAN RESOURCE DEVEL/TRNG	1	15.0	FUNERAL SVCS/MORTUARY SCI	0	0.0
INSTITUTIONAL MANAGEMENT	0	0.0	LAW ENFORCEMENT & ADMIN	4	14.8
INSURANCE & RISK MGMT	0	0.0	LIBRARY SCI/LIB ASSISTING	0	0.0
INTERNATL BUSINESS/MGMT	29	20.9	MILITARY SCIENCE/TECH	3	21.3
LABOR/INDUSTRL RELATIONS	0	0.0	PARKS & RECREATION	2	16.0
MANAGEMENT INFO SYSTEMS	2	21.0	PUBLIC ADMINISTRATION	0	0.0
MANAGEMENT SCIENCE	0	0.0	PUBLIC AFFAIRS	1	18.0
MARKETING MGMT & RESEARCH	30	17.5	SOCIAL WORK	11	17.9
ORGANIZATIONAL BEHAVIOR	0	0.0	COMMNTY & PRSNL SVCS, GEN	48	19.0
PERSONNEL MANAGEMENT	0	0.0			
REAL ESTATE	9	17.1			
SML BUSINESS MGMT/OWNRSHIP	16	18.4			
TRADE & INDUSTRIAL MGMT	0	0.0			
TRANSPORTATION MANAGEMENT	0	0.0			
BUSINESS & MGMT, GEN	449	20.1			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
COMPUTER & INFO SCI	( 218)	(20.4)	ENGINEERING	( 290)	(22.8)
COMPUTER PROGRAMMING	54	20.1	AEROSPACE ENGINEERING	38	26.1
COMPUTER SCIENCE	56	21.1	AGRICULTURAL ENGINEERING	0	0.0
DATA PROCESSING	0	0.0	ARCHITECTURAL ENGINEERING	2	17.5
INFO SCIENCES & SYSTEMS	10	18.2	BIOENGINEER & BIOMED ENG	15	25.5
MATH/COMPUTER SCIENCE	4	23.8	CERAMIC ENGINEERING	0	0.0
COMPUTER & INFO SCI, GEN	94	20.1	CHEMICAL ENGINEERING	12	25.8
CROSS-DISC STUDIES	( 9)	(24.1)	CIVIL ENGINEERING	15	22.3
AREA & ETHNIC STUDIES	3	22.0	COMPUTER ENGINEERING	20	18.7
LIBERAL ARTS/GEN STUDIES	3	25.0	CONSTRUCTION ENG/MGMT	1	30.0
MULTI-/INTERDISC STUDIES	1	31.0	ELECTRCL & ELECTRONIC ENG	18	19.9
CROSS-DISC STUDIES, GEN	2	22.5	ENGINEERING MANAGEMENT	1	17.0
EDUCATION	( 352)	(20.4)	ENGINEERING PHYSICS	3	26.3
ADULT & CONTINUING EDUC	0	0.0	ENGINEERING SCIENCE	1	27.0
EDUCATION ADMINISTRATION	2	19.0	ENVIRONMENTAL HEALTH ENG	2	29.5
ELEMENTARY EDUCATION	115	20.2	GEOLOGICAL & GEOPHYS ENG	0	0.0
JR HIGH/MIDDLE SCH EDUC	8	18.1	INDUSTRIAL ENGINEERING	2	27.0
PRE-ELEMENTARY EDUCATION	13	18.8	MATERIALS ENGINEERING	0	0.0
SECONDARY EDUCATION	38	22.7	MECHANICAL ENGINEERING	36	22.7
STUDENT COUNSELING	4	18.8	METALLURGICAL ENGINEERING	1	21.0
TEACHER AIDE	0	0.0	MINING & MINERAL ENG	0	0.0
EDUCATION, GENERAL	172	20.3	NAVAL ARCHIT & MARINE ENG	2	28.5
TEACHER EDUCATION	( 227)	(19.6)	NUCLEAR ENGINEERING	3	24.7
AGRICULTURAL EDUCATION	1	20.0	OCEAN ENGINEERING	0	0.0
ART EDUCATION	8	19.9	PETROLEUM ENGINEERING	1	15.0
BUSINESS EDUCATION	2	15.5	SYSTEMS ENGINEERING	1	26.0
ENGLISH EDUCATION	15	21.3	ENGINEERING, GENERAL	116	22.0
FOREIGN LANGUAGES EDUC	0	0.0	ENGINEERING-RELATED TECH	( 202)	(22.3)
HEALTH EDUCATION	1	11.0	AERONAUTICAL TECHNOLOGY	22	24.4
HUMAN, FAM/CONS SCI EDUC	0	0.0	AC, HEATING, REFRIG TECH	1	17.0
INDUSTRIAL ARTS EDUCATION	0	0.0	ARCHITECTURAL DESIGN TECH	2	20.5
MATHEMATICS EDUCATION	6	22.0	BIOMEDICAL EQUIPMENT TECH	2	29.5
MUSIC EDUCATION	13	19.4	CIVIL ENGINEERING TECH	2	23.0
PHYSICAL EDUCATION	35	17.4	COMPUTER ENGINEERING TECH	35	20.3
SCIENCE EDUCATION	0	0.0	CONSTRUCTION/BLDG TECH	2	20.0
SOC STUDIES/SOC SCI EDUC	11	22.0	DRAFTING & DESIGN TECH	3	21.3
SPECIAL EDUCATION	7	20.7	ELECTRICAL ENG TECHNOLOGY	3	25.0
SPEECH CORRECTION EDUC	0	0.0	ELECTRONIC ENG TECHNOLOGY	4	21.5
TEACHING ENGL AS 2ND LANG	2	22.0	ELECTROMECHAN INSTR TECH	0	0.0
TECH/TRADE & IND ED	0	0.0	ENVIRONMENTAL CONTRL TECH	0	0.0
TEACHER EDUCATION, OTHER	1	14.0	INDUSTRRL PRODUCTION TECH	0	0.0
TEACHER EDUCATION, GEN	125	19.7			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
LASER/FIBER-OPTIC TECH	0	0.0	HUMAN, FAMILY/CONS SCI	( 77)	(18.9)
MANUFACTURING TECHNOLOGY	0	0.0	CHILD DEV, CARE, GUIDANCE	11	18.9
MECHANICAL ENG TECH	16	22.4	CHILD CARE AIDE/ASSISTING	1	14.0
MINING & PETROLEUM TECH	0	0.0	CULINARY ARTS	10	17.7
OCCUPATL SFTY & HLTH TECH	0	0.0	FAMILY/CONS RESOURCE MGMT	1	26.0
SURVEYING & MAPPING TECH	0	0.0	FASHION DESIGN	5	15.4
ENGINEERING TECH, OTHER	3	30.0	FOOD PRODUCTN, MGMT, SVCS	4	16.8
ENGINEER-RELATD TECH, GEN	107	22.3	FOOD SCI & NUTR/DIETETICS	8	22.0
			HUMAN ENVIRON & HOUSING	0	0.0
FOREIGN LANGUAGES	( 51)	(23.0)	INDIVIDUAL & FAMILY DEVEL	1	23.0
ASIATIC LANGUAGES	3	25.0	TEXTILES AND CLOTHING	1	18.0
CLASSICAL LANGUAGES	2	26.5	HUMAN, FAM/CONS SCI, GEN	35	19.0
FRENCH	8	25.4			
GERMAN	2	19.5	LETTERS	( 40)	(25.2)
ITALIAN	1	13.0	CLASSICS	1	23.0
MIDDLE EASTERN LANGUAGES	2	23.0	COMPARATIVE LITERATURE	0	0.0
RUSSIAN	2	22.5	CREATIVE WRITING	18	24.1
SPANISH	10	23.1	ENGLISH, GENERAL	13	26.6
FOREIGN LANGUAGES, OTHER	2	20.0	LINGUISTICS	3	23.7
FOREIGN LANGUAGES, GEN	19	22.5	LITERATURE, ENGLISH/AMER	1	28.0
			SPEECH & RHETORICAL STUDY	0	0.0
HEALTH SCI & ALLIED HLTH	( 1269)	(20.1)	LETTERS, GENERAL	4	26.0
CHIROPRACTIC	4	22.5			
DENTAL ASSISTING	0	0.0	MATHEMATICS	( 39)	(22.2)
DENTAL HYGIENE	19	17.7	ACTUARIAL SCIENCES	1	12.0
DENTAL LAB/TECHNOLOGY	0	0.0	APPLIED MATHEMATICS	5	22.0
DENTISTRY	28	20.6	STATISTICS	3	21.3
EMERG MED TECH/PARAMEDIC	3	19.7	MATHEMATICS, GENERAL	30	22.6
HEALTH CARE ADMIN	2	17.5			
MEDICAL/SURG ASSISTING	9	17.6	PHILOS, RELIG & THEOLOGY	( 58)	(22.1)
MEDICAL LAB/TECHNOLOGY	9	17.7	BIBLE STUDIES	5	22.0
MED RECORDS ADMIN/TECH	1	16.0	PHILOSOPHY	6	22.0
MEDICINE	243	21.6	RELIGION	7	22.6
MNTL HLTH & HUM SVCS/TECH	3	20.0	RELIGIOUS EDUCATION	3	22.0
NUCLEAR MEDICINE TECH	4	17.8	RELIGIOUS MUSIC	1	17.0
NURSING (PRACTICAL)	28	18.3	THEOLOGY	8	21.4
NURSING (REGISTERED)	207	18.0	PHILOS, RELIG & THEOL, GEN	28	22.4
OCCUPATNL THERAPY/ASSIST	7	17.9			
OPTOMETRY	2	20.0			
PHARMACY	66	21.6			
PHYSICIAN ASSISTING	7	18.9			
PHYSICAL THERAPY/ASSIST	117	20.1			
RADIOLOGY/RADIOLOGIC TECH	23	19.2			
REC/ART/MUSIC THERAPY	0	0.0			
RESPIRATORY THERAPY/TECH	1	16.0			
SPEECH PATHOL/AUDIOLOGY	7	20.6			
VETERINARIAN ASSISTING	5	17.2			
VETERINARY MEDICINE	45	21.1			
HEALTH SCI & ALLIED, GEN	429	20.5			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
SCIENCES (BIOL & PHYSICAL) (	571)	(22.8)	VISUAL/PERFORM ARTS (	446)	(20.7)
ASTRONOMY	5	20.4	APPLIED DESIGN/CRAFTS	4	20.3
ATMOSPHER SCI & METEOROL	22	22.7	ART	27	20.4
BIOCHEMISTRY & BIOPHYSICS	27	24.0	ART HIST & APPRECIATION	6	21.3
BIOLOGY	221	22.3	CINEMATOGRAPHY/FILM/VIDEO	25	21.8
BOTANY	0	0.0	DANCE	20	21.2
CHEMISTRY	52	23.8	DESIGN, GENERAL	12	17.4
EARTH SCIENCE	3	21.0	DRAMA/THEATRE ARTS	39	22.7
ECOLOGY/ENV STUDIES	15	21.3	FINE ARTS, GENERAL	14	21.6
GEOLOGY	7	25.4	GRAPHIC ARTS TECHNOLOGY	10	23.1
MICROBIOLOGY	4	25.0	GRAPHIC DESIGN	27	19.9
OCEANOGRAPHY	16	21.2	MUSIC (LIBERAL ARTS)	19	22.5
PHYSICS	14	28.0	MUSIC PERFORMANCE	49	19.9
ZOOLOGY	18	22.1	MUSIC THEORY & COMPOSIT	16	22.6
SCIENCES (BIO & PHYS), GEN	167	22.8	PHOTOGRAPHY	19	19.5
			VISUAL/PERFORM ARTS, GEN	159	20.0
SOCIAL SCIENCES (	780)	(21.8)	UNDECIDED (	834)	(21.2)
ANTHROPOLOGY	16	23.8			
ECONOMICS	4	23.8			
GEOGRAPHY	2	22.5			
HISTORY	70	22.9			
INTERNATIONAL RELATIONS	44	25.5			
LAW	124	20.9			
PARALEGAL/LEGAL ASSISTING	3	14.3			
POLITICAL SCI/GOVERNMENT	99	22.2			
PSYCHOLOGY	214	21.3			
SOCIOLOGY	20	19.3			
URBAN STUDIES	0	0.0			
SOCIAL SCIENCES, GENERAL	184	21.8			
TRADE & INDUSTRIAL (	21)	(18.7)			
AIRCRAFT TECHNICIAN	1	21.0			
AIRPLANE PILOTING & NAVIG	6	22.3			
AUTOMOTIVE BODY REPAIR	1	15.0			
AUTOMOTIVE TECHNOLOGY	3	15.7			
AVIATION MANAGEMENT	1	18.0			
COMPUTER ELECTRNCES/REPAIR	0	0.0			
CONSTRCT TRADES & CARPENT	0	0.0			
DIESEL MECHANICS & TECH	1	16.0			
DRAFTING	0	0.0			
ELECTRICAL EQUIP REPAIR	1	15.0			
HEATING, AC, REFRIG MECH	0	0.0			
MACHINE TECHNOLOGY	0	0.0			
MECHANICAL DRAFTING	0	0.0			
WELDING & WELDING TECH	0	0.0			
TRADE & INDUSTRIAL, GEN	7	18.0			

TABLE 14 AVERAGE ACT COMPOSITE SCORE BY CAREER CLUSTERS

REFERENCE GROUP	TOTAL		CORE OR MORE		LESS THAN CORE		MALES		FEMALES	
	NUMBER	AVG	NUMBER	AVG	NUMBER	AVG	NUMBER	AVG	NUMBER	AVG
<u>PLAN ON 2-YEARS OR LESS OF COLLEGE</u>										
ADMIN & SALES (02-03)	8	14.5	4	13.8	3	14.0	1	14.0	7	14.6
BUSINESS OPER (04-05)	9	16.6	4	17.3	3	15.7	4	16.5	5	16.6
TECHNICAL (06-07)	24	16.4	11	17.0	10	15.3	14	16.4	9	16.1
SCIENCE & TECH (08-09)	20	17.4	11	20.5	9	13.7	10	19.7	10	15.1
ARTS (10-11)	12	16.3	5	19.6	7	14.0	2	18.0	10	16.0
SOCIAL SERVICE (12-01)	14	14.7	6	16.0	8	13.8	0	0.0	14	14.7
OTHER*	52	16.6	16	17.9	31	15.9	17	16.4	35	16.7
TOTAL	139	16.4	57	17.8	71	15.0	48	17.1	90	15.9
<u>PLAN ON 4-YEARS OR MORE OF COLLEGE</u>										
ADMIN & SALES (02-03)	978	20.4	727	20.9	223	18.8	271	20.9	694	20.2
BUSINESS OPER (04-05)	535	20.5	378	21.3	140	18.1	228	20.3	302	20.6
TECHNICAL (06-07)	792	20.9	574	21.6	187	18.8	422	20.9	356	20.9
SCIENCE & TECH (08-09)	1081	21.9	826	22.1	205	21.0	399	22.0	666	21.9
ARTS (10-11)	849	22.1	623	22.6	187	20.6	187	22.0	656	22.1
SOCIAL SERVICE (12-01)	1082	20.8	801	21.2	237	19.5	240	21.0	826	20.8
OTHER*	3089	20.9	2034	21.4	645	19.5	1209	21.1	1846	20.8
TOTAL	8406	21.1	5963	21.5	1824	19.5	2956	21.2	5346	21.0

\* OTHER = STUDENTS WHO HAD WORLD-OF-WORK REGIONS THAT DIFFERED FROM THOSE LISTED

TABLE 15 HIGH SCHOOL ACADEMIC AREA GRADE AVERAGES BY GENDER AND RACE/ETHNICITY

REFERENCE GROUP	NUMBER OF STUDENTS	ACADEMIC AREA GRADES				HS GPA	HS GPA
		ENGLISH	MATH	SOCIAL STUDIES	NATURAL SCIENCE	AVG	SD
MALE	2427	3.05	2.96	3.23	3.09	3.08	0.61
FEMALE	4756	3.26	3.04	3.33	3.19	3.20	0.55
NO RESPONSE	80	3.20	3.05	3.35	3.13	3.18	0.52
AFRICAN-AMERICAN/BLACK	1877	2.86	2.63	2.98	2.76	2.81	0.55
CAUCASIAN-AMERICAN/WHITE	4086	3.33	3.17	3.43	3.31	3.30	0.52
OTHER MINORITY	679	3.24	3.10	3.34	3.18	3.21	0.54
MISSING/PREFER NO RESP	621	3.24	3.07	3.36	3.24	3.23	0.60
TOTAL	7263	3.19	3.02	3.30	3.15	3.16	0.58

APPENDIX

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THE RESULTS PROFILED IN THIS REPORT ARE BASED ON ALL STUDENTS WHO TOOK THE ACT ASSESSMENT DURING THEIR SOPHOMORE, JUNIOR OR SENIOR YEAR, AND WHO GRADUATED FROM HIGH SCHOOL IN THE SPRING OF 2005. IF A STUDENT TESTED MORE THAN ONCE, ONLY HIS/HER MOST RECENT TEST RECORD IS USED. DUE TO THE INCREASING NUMBER OF REPEAT TEST-TAKERS, ACT EXPANDED THE NUMBER OF STUDENT SPECIFIC VARIABLES USED TO MATCH MULTIPLE STUDENT RECORDS IN 2002. THOSE STUDENTS WHO TESTED RESIDUALLY OR UNDER EXTENDED TIME CONDITIONS ARE NOT INCLUDED.

IT SHOULD BE NOTED THAT GRADUATING STUDENTS WHO TAKE THE ACT ASSESSMENT ARE NOT NECESSARILY REPRESENTATIVE OF GRADUATING STUDENTS NATIONALLY. STUDENTS WHO LIVE IN THE MIDWEST, ROCKY MOUNTAINS, PLAINS AND SOUTHERN REGIONS OF THE COUNTRY ARE OVER REPRESENTED AMONG ACT-TESTED STUDENTS AS COMPARED TO GRADUATING STUDENTS NATIONALLY.

CAUTION SHOULD BE USED IN MAKING COMPARISONS BETWEEN STATE AND NATIONAL NORMS. STATE NORMS MAY DIFFER FROM NATIONAL NORMS FOR NON-EDUCATIONAL REASONS SUCH AS THE DEMOGRAPHIC MAKE-UP OF A STATE'S ACT-TESTED GRADUATES COMPARED TO THE NATION.

SINCE THE ACT ASSESSMENT IS DESIGNED FOR THOSE STUDENTS WHO PLAN TO ATTEND COLLEGE, THE FOCUS IS ON STUDENTS WHO COMPLETED THE RECOMMENDED COLLEGE PREPARATORY COURSES. THE RECOMMENDED COLLEGE CORE COURSES (AS DEFINED BY ACT) INCLUDE:

## ENGLISH (FOUR YEARS OR MORE)

ONE YEAR CREDIT EACH FOR ENGLISH 9, ENGLISH 10, ENGLISH 11, ENGLISH 12

## MATHEMATICS (THREE YEARS OR MORE)

ONE YEAR CREDIT EACH FOR ALGEBRA I, ALGEBRA II, GEOMETRY  
ONE-HALF YEAR CREDIT EACH FOR TRIGONOMETRY, CALCULUS (NOT PRE-CALCULUS),  
OTHER MATH COURSES BEYOND ALGEBRA II, COMPUTER MATH/COMPUTER SCIENCE

## SOCIAL SCIENCES (THREE YEARS OR MORE)

ONE YEAR CREDIT EACH FOR AMERICAN HISTORY, WORLD HISTORY, AMERICAN GOVERNMENT  
ONE-HALF YEAR CREDIT EACH FOR ECONOMICS, GEOGRAPHY, PSYCHOLOGY, OTHER HISTORY

## NATURAL SCIENCES (THREE YEARS OR MORE)

ONE YEAR CREDIT EACH FOR GENERAL/PHYSICAL/EARTH SCIENCE, BIOLOGY, CHEMISTRY,  
PHYSICS

ALL CALCULATED HIGH SCHOOL GPAS SHOWN IN THIS REPORT ARE BASED ON STUDENT REPORTED COURSE GRADES IN THE FOUR CORE SUBJECT AREAS (ENGLISH, MATH, SOCIAL SCIENCE AND NATURAL SCIENCE).

INSTRUCTIONS FOR USING THE DATA PRESENTED IN THIS REPORT ARE PROVIDED IN THE INTERPRETIVE GUIDE, YOUR COLLEGE-BOUND STUDENTS. IF YOU HAVE QUESTIONS CONCERNING THIS REPORT OR NEED A COPY OF THIS GUIDE, PLEASE CALL 319/337-1111 OR WRITE TO ACT RESEARCH SERVICES (64), ACT INC, P.O. BOX 168, IOWA CITY, IOWA 52243.



APPENDIX (CONTINUED)

THE NUMBERS IN TABLE 4, PAGE 6 IN THE COLUMNS TITLED "CP", FOR EACH ACT TEST AND COMPOSITE ARE CUMULATIVE PERCENTS. CUMULATIVE PERCENTS REPRESENT THE PERCENT OF STUDENTS SCORING AT OR BELOW A SELECTED SCORE VALUE. FOR EXAMPLE, IF A SCALE SCORE OF 21 ON THE ACT COMPOSITE HAD A CP OF 57, THIS MEANS THAT 57% OF THE TESTED POPULATION WERE AT OR BELOW A SCORE OF 21. TO FIND THE PERCENT OF STUDENTS WHO HAD SCORES STRICTLY BELOW 21, JUST READ THE CUMULATIVE PERCENT VALUE ASSOCIATED WITH THE NEXT LOWER SCALE SCORE VALUE, IN THIS CASE A SCORE OF 20. IN THIS EXAMPLE 49 PERCENT OF STUDENTS SCORED BELOW 21.

TABLE 4 EXAMPLE

STD SCORE	ACT COMPOSITE	
	FREQ	CP
36	0	99
35	11	99
34	15	99
33	39	99
32	72	99
31	108	99
30	177	98
29	249	96
28	299	94
27	434	91
26	484	87
25	573	83
24	674	77
23	742	71
22	791	64
21	839	57 <-- 57% OF THE STUDENTS SCORE AT OR BELOW 21
20	829	49 <-- 49% OF THE STUDENTS SCORE BELOW 21
19	834	41
18	790	34
17	728	26
16	674	20
15	543	13
14	380	8
13	262	5
12	159	2
11	62	1
10	23	1
9	10	1
8	3	1
7	2	1
6	0	1
5	0	1
4	0	1
3	0	1
2	0	1
1	0	1

