

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

**STATE COMPOSITE FOR
COLORADO**

CODE 060-000

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	15703	10290	58/ 38	21.9/19.3	22.2/19.4	22.9/20.5	22.5/20.4	22.5/20.0
2001-02	20470	18971	47/ 43	21.4/17.4	21.7/18.0	22.4/18.6	21.8/18.7	22.0/18.3
2002-03	21028	19325	46/ 42	21.3/17.6	21.6/18.0	22.2/18.6	22.0/19.1	21.9/18.5
2003-04	21430	18924	46/ 41	21.5/17.5	22.0/18.2	22.5/18.9	22.0/18.8	22.1/18.5
2004-05	22543	19515	48/ 41	21.4/17.3	21.7/18.2	22.4/18.8	21.8/18.6	22.0/18.4

EXECUTIVE SUMMARY - AVERAGE ACT SCORES FOR TOTAL GROUP

	NUMBER	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
2000-01	27260	20.9	21.1	21.9	21.7	21.5
2001-02	43744	19.3	19.8	20.4	20.2	20.1
2002-03	46105	19.3	19.7	20.3	20.5	20.1
2003-04	46183	19.5	20.0	20.6	20.4	20.3
2004-05	47373	19.3	20.0	20.6	20.2	20.2

EXECUTIVE SUMMARY - ACT SCORE QUARTILE VALUES FOR TOTAL GROUP

	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
Q3 (75TH PERCENTILE)	23.7	23.8	25.2	23.3	23.8
Q2 (50TH PERCENTILE - MEDIAN)	19.3	18.7	20.1	19.9	19.8
Q1 (25TH PERCENTILE)	14.8	15.9	15.6	17.0	16.2

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= 660)	(N= 338)	(N= 14405)	(N= 1267)	(N= 804)	(N= 1002)
ENGLISH	17.3	18.9	22.4	17.7	21.1	18.1
USAGE/MECH	8.4	9.2	11.3	8.5	10.5	8.8
RHET SKILLS	8.9	9.8	11.6	9.2	11.0	9.3
MATHEMATICS	17.5	19.6	22.6	18.6	22.6	19.0
PRE/ELEM-ALG	8.7	10.1	12.0	9.4	11.9	9.7
ALG/CRD-GEOM	8.6	9.7	11.2	9.2	11.4	9.3
PLANE GEOM/TRIG	8.6	10.0	11.6	9.4	11.6	9.7
READING	17.9	20.4	23.3	19.0	21.7	19.3
SOC STU/SCI	9.0	10.5	12.0	9.7	11.1	9.9
ARTS/LITERATURE	9.0	10.3	12.0	9.5	11.1	9.7
SCIENCE	18.1	20.2	22.6	18.8	21.8	19.1
COMPOSITE	17.8	19.9	22.9	18.7	21.9	19.0
LESS THAN CORE	(N= 809)	(N= 478)	(N= 9982)	(N= 1719)	(N= 513)	(N= 1507)
ENGLISH	15.3	14.6	18.9	14.3	17.1	14.4
USAGE/MECH	7.1	6.7	9.2	6.5	8.3	6.6
RHET SKILLS	8.0	7.5	9.8	7.5	8.8	7.4
MATHEMATICS	16.2	16.5	19.2	16.2	19.6	16.4
PRE/ELEM-ALG	7.8	7.8	9.8	7.8	9.9	7.9
ALG/CRD-GEOM	7.9	8.0	9.4	7.9	9.7	8.0
PLANE GEOM/TRIG	7.8	8.3	9.8	8.0	9.9	8.1
READING	16.6	17.0	20.1	16.2	18.5	16.1
SOC STU/SCI	8.2	8.8	10.4	8.2	9.5	8.2
ARTS/LITERATURE	8.3	8.2	10.1	7.9	9.2	7.7
SCIENCE	16.7	16.9	19.8	16.5	18.8	16.4
COMPOSITE	16.3	16.4	19.6	15.9	18.6	16.0
NO RESPONSE	(N= 171)	(N= 56)	(N= 2282)	(N= 448)	(N= 135)	(N= 264)

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 R ICAN, HISPANIC AVERAGE
TOTAL GROUP	(N= 1640)	(N= 872)	(N= 26669)	(N= 3434)	(N= 1452)	(N= 2773)
ENGLISH	16.1	16.3	21.0	15.6	19.4	15.7
USAGE/MECH	7.6	7.7	10.5	7.3	9.6	7.4
RHET SKILLS	8.3	8.5	10.8	8.2	10.0	8.1
MATHEMATICS	16.7	17.8	21.2	17.2	21.4	17.3
PRE/ELEM-ALG	8.1	8.7	11.1	8.4	11.1	8.5
ALG/CRD-GEOM	8.2	8.7	10.5	8.4	10.7	8.4
PLANE GEOM/TRIG	8.1	9.0	10.8	8.6	10.9	8.7
READING	17.1	18.4	22.0	17.3	20.4	17.3
SOC STU/SCI	8.5	9.4	11.3	8.7	10.4	8.8
ARTS/LITERATURE	8.5	9.1	11.2	8.5	10.3	8.4
SCIENCE	17.2	18.2	21.4	17.4	20.5	17.4
COMPOSITE	16.9	17.8	21.5	17.0	20.6	17.0

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 R ICAN, HISPANIC NUMBER AVG
HIGH SCHOOL AVERAGE						
3.50 - 4.00	163 21.1	117 22.5	8486 24.8	488 21.4	531 23.9	442 21.2
3.00 - 3.49	295 18.4	165 19.6	6066 21.3	612 18.3	298 20.4	505 18.4
2.50 - 2.99	372 16.5	182 16.9	3888 19.5	576 16.5	190 17.8	492 16.6
2.00 - 2.49	260 15.5	130 15.9	2447 17.9	523 15.5	116 16.7	426 15.3
1.99 & BELOW	183 15.0	129 15.4	1362 16.8	423 14.3	73 15.6	335 14.9
CGPA PRED BY STUDENT						
3.5 - 4.0	172 20.0	103 22.2	6401 25.0	378 21.2	411 23.9	363 21.2
3.0 - 3.4	450 18.2	258 18.7	9395 21.6	930 17.8	449 20.9	803 18.0
2.5 - 2.9	354 16.1	180 17.0	4236 19.4	697 16.3	187 17.8	602 16.2
2.0 - 2.4	245 15.0	148 15.6	2026 17.5	500 15.0	120 16.0	464 15.1
1.9 & BELOW	121 14.0	80 15.1	677 16.0	297 13.8	72 14.5	244 14.4
HIGH SCHOOL RANK						
TOP QUARTER	254 19.4	130 21.3	8322 24.5	567 19.9	505 23.9	505 20.1
2ND QUARTER	451 16.8	291 17.9	7844 20.7	1012 16.7	364 19.2	873 16.9
BOTTOM HALF	533 15.7	340 16.1	5827 18.4	1096 15.6	309 17.0	1019 15.8

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	8719	18	5655	12	1485	3	280	1
	FEMALE	8882	19	6125	13	1689	4	214	0
	TOTAL	17816	38	11901	25	3213	7	505	1
NO. & VARIETY OF COURSE OFFERINGS	MALE	7946	17	4659	10	3168	7	351	1
	FEMALE	8123	17	4679	10	3785	8	310	1
	TOTAL	16252	34	9462	20	7020	15	672	1
GRADING PRACTICES & POLICIES	MALE	6771	14	6090	13	2792	6	422	1
	FEMALE	7420	16	6345	13	2732	6	347	1
	TOTAL	14346	30	12581	27	5590	12	784	2
NO. & KINDS OF TESTS GIVEN	MALE	6374	13	6875	15	2375	5	458	1
	FEMALE	6498	14	7430	16	2633	6	291	1
	TOTAL	13024	27	14468	31	5067	11	759	2
GUIDANCE SERV PROVIDED BY GUIDANCE OFFICE	MALE	7214	15	5487	12	2306	5	1072	2
	FEMALE	7691	16	5165	11	3059	6	920	2
	TOTAL	15081	32	10781	23	5427	11	2009	4
SCHOOL RULES, REGULATIONS, & POLICIES	MALE	5375	11	5595	12	4448	9	657	1
	FEMALE	5740	12	5974	13	4710	10	415	1
	TOTAL	11256	24	11706	25	9251	20	1085	2
LIBRARY OR LEARNING CENTER	MALE	7873	17	5526	12	2095	4	591	1
	FEMALE	8621	18	5449	12	2170	5	581	1
	TOTAL	16683	35	11098	23	4320	9	1191	3
LABORATORY FACILITIES	MALE	6879	15	5852	12	2492	5	868	2
	FEMALE	6922	15	6309	13	2635	6	948	2
	TOTAL	13959	29	12315	26	5177	11	1839	4
PROVISIONS FOR SPECIAL HELP IN READING, MATH, ETC	MALE	5564	12	5490	12	1577	3	3446	7
	FEMALE	5831	12	5358	11	1873	4	3764	8
	TOTAL	11543	24	10974	23	3502	7	7266	15
PROVISIONS FOR ACADEMICALLY OUTSTANDING STU	MALE	7802	16	5241	11	1420	3	1630	3
	FEMALE	8658	18	5058	11	1665	4	1451	3
	TOTAL	16638	35	10423	22	3125	7	3121	7
ADEQUACY OF PROG IN CAREER EDUC & PLANNING	MALE	5962	13	6163	13	2438	5	1515	3
	FEMALE	5977	13	6055	13	3171	7	1603	3
	TOTAL	12085	26	12361	26	5674	12	3147	7

NUMBER OF STUDENTS - 47373

TABLE 4 ACT SCORE DISTRIBUTIONS, CUMULATIVE PERCENTAGES, AND AVERAGES FOR ALL STUDENTS (NUMBER OF STUDENTS = 47373)

STD SCORE	ACT ENGLISH		ACT MATHEMATICS		ACT READING		ACT SCIENCE		ACT COMPOSITE	
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP
36	33	99	30	99	219	99	69	99	2	99
35	224	99	89	99	550	99	164	99	44	99
34	342	99	252	99	560	98	294	99	145	99
33	338	99	197	99	723	97	41	99	217	99
32	384	98	441	99	728	96	407	99	342	99
31	792	97	400	98	943	94	113	98	548	98
30	594	96	647	97	1058	92	515	98	746	97
29	1248	94	901	96	1036	90	741	97	992	96
28	1331	92	1391	94	1340	88	925	95	1223	94
27	998	89	1581	91	1507	85	1130	93	1551	91
26	1648	87	2327	87	2649	82	1682	91	1937	88
25	2361	83	1935	83	1763	76	2684	87	2216	84
24	2057	78	2435	78	1977	72	2304	81	2522	79
23	1911	74	2277	73	2278	68	3654	77	2758	74
22	2779	70	2302	69	3281	63	3729	69	3013	68
21	3000	64	1700	64	1977	56	2939	61	3114	61
20	3040	58	2653	60	2722	52	4161	55	3233	55
19	3051	51	2735	54	2177	47	5010	46	3374	48
18	2246	45	3886	49	2156	42	3867	35	3332	41
17	2777	40	4417	41	3715	37	2075	27	3179	34
16	2013	34	4672	31	2352	30	3116	23	3105	27
15	3537	30	4265	21	2211	25	1724	16	2778	21
14	1867	23	3397	12	2300	20	1428	13	2541	15
13	1718	19	1802	5	3184	15	2178	10	2178	9
12	1573	15	469	1	2243	8	927	5	1546	5
11	1513	12	97	1	850	4	682	3	587	2
10	1267	8	64	1	624	2	414	2	108	1
9	1085	6	7	1	32	1	312	1	26	1
8	1013	3	0	1	115	1	58	1	13	1
7	458	1	3	1	51	1	3	1	2	1
6	117	1	0	1	5	1	17	1	0	1
5	44	1	0	1	33	1	8	1	1	1
4	9	1	0	1	10	1	0	1	0	1
3	3	1	1	1	1	1	2	1	0	1
2	0	1	0	1	3	1	0	1	0	1
1	2	1	0	1	0	1	0	1	0	1

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

33-36	937	2	568	1	2052	4	568	1	408	1
28-32	4349	9	3780	8	5105	11	2701	6	3851	8
24-27	7064	15	8278	17	7896	17	7800	16	8226	17
20-23	10730	23	8932	19	10258	22	14483	31	12118	26
16-19	10087	21	15710	33	10400	22	14068	30	12990	27
13-15	7122	15	9464	20	7695	16	5330	11	7497	16
01-12	7084	15	641	1	3967	8	2423	5	2283	5
AVG(SD)	19.3(6.2)		20.0(5.1)		20.6(6.3)		20.2(4.9)		20.2(5.1)	

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 = 47373)

STD SCORE	USAGE/MECH		RHET SKILLS		SOC STU/SCI		ARTS/LIT		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	
18	844	99	170	99	542	99	1066	99	18
17	1563	98	864	99	2446	99	2570	98	17
16	1299	95	1252	98	1862	94	2329	92	16
15	2514	92	2378	95	3699	90	2739	87	15
14	1811	87	3276	90	2688	82	2660	82	14
13	2940	83	3557	83	3031	76	3384	76	13
12	3418	77	4229	76	3743	70	4372	69	12
11	3726	70	4405	67	3668	62	3728	60	11
10	4983	62	6159	58	6865	54	3840	52	10
9	3885	51	6001	45	4394	40	3862	44	9
8	3895	43	4118	32	4400	30	3954	36	8
7	4968	35	3597	23	3543	21	3820	27	7
6	3267	24	3107	16	2695	14	3400	19	6
5	3902	17	1501	9	1941	8	2823	12	5
4	2126	9	1804	6	1033	4	2298	6	4
3	1730	5	763	2	573	2	387	1	3
2	401	1	185	1	190	1	126	1	2
1	101	1	7	1	60	1	15	1	1
AVERAGE		9.5		10.0		10.5		10.4	
S.D.		3.9		3.3		3.6		3.9	

STD SCORE	PRE/ELEM		ALG CP	ALG/CRD-GEOM		PLN GEOM/TRIG		STD SCORE
	FREQ	CP		FREQ	CP	FREQ	CP	
18	1071	99	319	99	313	99	18	
17	1105	98	161	99	112	99	17	
16	1852	95	727	99	1624	99	16	
15	2099	91	1749	97	1636	96	15	
14	2766	87	3355	94	3873	92	14	
13	5470	81	2246	87	3501	84	13	
12	3265	70	5699	82	4028	77	12	
11	3669	63	3811	70	6372	68	11	
10	3774	55	7928	62	5803	55	10	
9	3108	47	6146	45	7579	42	9	
8	6170	41	5063	32	4245	26	8	
7	7345	27	4175	21	3690	17	7	
6	3672	12	3172	13	673	10	6	
5	1090	4	443	6	1930	8	5	
4	617	2	1536	5	330	4	4	
3	223	1	693	2	1090	4	3	
2	69	1	10	1	482	1	2	
1	8	1	140	1	92	1	1	
AVERAGE		10.3		9.9		10.2		
S.D.		3.5		3.0		3.1		

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	23000	18.7	6.1	20.4	5.3	20.2	6.3	20.5	5.1	20.1	5.2
FEMALES	23718	20.0	6.3	19.6	4.8	21.1	6.3	20.0	4.6	20.3	5.0
NO RESPONSE	655	16.9	5.7	18.4	4.7	18.5	5.7	18.3	4.6	18.1	4.7

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	1	3	2	1	4	5	2	1	1	1	1	1
28-32	8	11	10	6	10	12	7	5	8	8	8	8
24-27	13	17	18	17	16	18	17	16	17	18	17	18
20-23	22	24	18	20	21	23	30	32	25	27	25	27
16-19	22	20	32	35	22	21	28	31	27	28	27	28
13-15	16	14	19	21	18	15	11	11	17	15	17	15
01-12	17	13	1	1	10	7	5	5	5	4	5	4

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	5680	16	23.4	166	9	256	9	3707	25	1551	10
GOOD	12901	37	21.0	603	32	1016	35	5974	40	5308	36
AVERAGE	7978	23	18.7	496	27	830	29	2360	16	4292	29
BELOW AVERAGE	2871	8	17.7	212	11	333	12	716	5	1610	11
VERY INADEQUATE	3125	9	19.3	281	15	307	11	1268	9	1269	9
NO RESPONSE	1889	5	20.4	106	6	132	5	890	6	761	5
NO. OF STUDENTS	34444			1864		2874		14915		14791	

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	47373	19.3	6.2	20.0	5.1	20.6	6.3	20.2	4.9	20.2	5.1
COLLEGE CORE											
E4, M3, SS3, NS3	22543	21.4	5.9	21.7	5.0	22.4	6.1	21.8	4.6	22.0	4.8
In between	10771	18.2	5.7	18.6	4.5	19.5	5.9	19.2	4.4	19.0	4.6
E4, M2, SS2, NS2	8744	16.2	5.8	17.6	4.4	17.9	5.7	17.9	4.6	17.6	4.6
No Response	5315	18.2	6.4	19.1	4.9	19.4	6.2	19.2	4.9	19.1	5.1
HS GPA RANGES											
3.50 - 4.00	12199	24.1	5.3	24.1	4.8	24.9	5.8	23.6	4.4	24.3	4.4
3.00 - 3.49	9761	19.9	5.2	20.3	4.4	21.1	5.6	20.7	4.1	20.7	4.2
2.50 - 2.99	7171	17.5	5.0	18.3	3.9	19.0	5.3	18.9	4.1	18.6	4.0
2.00 - 2.49	5134	15.6	4.8	16.9	3.3	17.3	5.0	17.6	4.0	17.0	3.6
1.99 & below	3408	14.3	4.6	16.0	2.9	16.1	4.7	16.4	3.9	15.8	3.4

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	14678	31	3.17	20.2	20.9
ENG 9, ENG 10, ENG 11, ENG 12	21140	45	3.03	19.9	20.6
LESS THAN 4 YEARS OF ENGLISH	6108	13	2.74	16.6	17.9
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	5447	11	- . -	18.2	19.1
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	2521	5	3.41	24.3	24.0
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	4015	8	3.21	22.3	22.6
ALG 1, ALG 2, GEOM, TRIG	3572	8	2.99	20.4	20.8
ALG 1, ALG 2, GEOM, OTHER ADV MATH	3929	8	2.91	19.8	20.5
ALG 1, ALG 2, GEOM	7823	17	2.50	17.8	18.3
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	9339	20	3.35	23.4	23.1
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	2156	5	2.88	19.5	19.9
LESS THAN 3 YEARS OF MATH	8346	18	2.24	16.5	16.7
NO MATH COURSE/GRADE INFORMATION REPORTED	5672	12	- . -	19.0	19.0
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	713	2	3.14	20.8	20.2
US HIST, WORLD HIST, AM GOVT	1454	3	2.97	19.2	18.9
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	20512	43	3.24	21.5	20.9
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	12349	26	3.12	20.8	20.4
LESS THAN 3 YEARS OF SOC SCI	6620	14	2.87	18.8	18.6
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	5725	12	- . -	19.4	19.1
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	13462	28	3.24	21.6	21.7
BIOLOGY, CHEMISTRY, PHYSICS	2228	5	3.29	23.6	24.2
GEN SCIENCE, BIOLOGY, CHEMISTRY	12321	26	3.01	20.3	20.3
OTHER COMBINATIONS OF 3 YEARS NAT SCI	2319	5	2.92	20.3	20.2
LESS THAN 3 YEARS OF NAT SCI	11283	24	2.66	18.1	17.8
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	5760	12	- . -	19.2	19.1

TABLE 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	6831	30	3.01	19.6	20.9
ENG 9, ENG 10, ENG 11, ENG 12	10120	44	2.85	19.3	20.5
LESS THAN 4 YEARS OF ENGLISH	3229	14	2.56	16.1	17.8
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	2820	12	- . -	17.6	18.9
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	1237	5	3.33	24.9	23.9
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	1564	7	3.10	22.8	22.4
ALG 1, ALG 2, GEOM, TRIG	1693	7	2.90	20.8	20.6
ALG 1, ALG 2, GEOM, OTHER ADV MATH	1552	7	2.80	20.2	20.3
ALG 1, ALG 2, GEOM	3650	16	2.41	18.1	18.1
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	4997	22	3.30	24.0	23.2
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	1131	5	2.79	19.9	19.9
LESS THAN 3 YEARS OF MATH	4226	18	2.16	16.7	16.6
NO MATH COURSE/GRADE INFORMATION REPORTED	2950	13	- . -	19.2	18.9
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	400	2	3.06	20.3	20.0
US HIST, WORLD HIST, AM GOVT	838	4	2.89	18.8	18.8
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	9390	41	3.14	21.1	20.9
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	5956	26	3.01	20.4	20.3
LESS THAN 3 YEARS OF SOC SCI	3433	15	2.79	18.5	18.5
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	2983	13	- . -	19.0	18.9
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	7035	31	3.17	22.1	21.8
BIOLOGY, CHEMISTRY, PHYSICS	1132	5	3.24	24.2	24.4
GEN SCIENCE, BIOLOGY, CHEMISTRY	5048	22	2.85	20.3	19.9
OTHER COMBINATIONS OF 3 YEARS NAT SCI	1337	6	2.87	20.8	20.5
LESS THAN 3 YEARS OF NAT SCI	5457	24	2.54	18.2	17.6
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	2991	13	- . -	19.4	19.0

STATE COMPOSITE FOR
COLORADOTABLE 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	7685	32	3.31	20.8	20.9
ENG 9, ENG 10, ENG 11, ENG 12	10788	45	3.19	20.5	20.7
LESS THAN 4 YEARS OF ENGLISH	2761	12	2.95	17.3	18.1
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	2484	10	- . -	18.9	19.3
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	1261	5	3.49	23.8	24.0
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	2421	10	3.28	21.9	22.7
ALG 1, ALG 2, GEOM, TRIG	1820	8	3.07	20.1	20.9
ALG 1, ALG 2, GEOM, OTHER ADV MATH	2340	10	2.98	19.6	20.6
ALG 1, ALG 2, GEOM	4070	17	2.58	17.5	18.5
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	4264	18	3.41	22.7	23.0
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	992	4	2.97	19.1	20.0
LESS THAN 3 YEARS OF MATH	3975	17	2.34	16.3	16.9
NO MATH COURSE/GRADE INFORMATION REPORTED	2575	11	- . -	18.7	19.3
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	301	1	3.25	21.6	20.6
US HIST, WORLD HIST, AM GOVT	598	3	3.09	19.8	19.2
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	10910	46	3.33	21.8	20.9
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	6241	26	3.23	21.3	20.5
LESS THAN 3 YEARS OF SOC SCI	3072	13	2.98	19.2	18.7
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	2596	11	- . -	19.9	19.3
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	6301	27	3.31	21.2	21.7
BIOLOGY, CHEMISTRY, PHYSICS	1078	5	3.35	23.1	24.0
GEN SCIENCE, BIOLOGY, CHEMISTRY	7118	30	3.12	20.4	20.7
OTHER COMBINATIONS OF 3 YEARS NAT SCI	951	4	3.00	19.7	19.9
LESS THAN 3 YEARS OF NAT SCI	5648	24	2.78	18.1	18.1
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	2622	11	- . -	19.1	19.3

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	706	18.1	37	43	3	3	2	1	2	2
ARCH & ENVIR DESIGN	982	20.3	40	47	3	3	2	3	3	3
BUSINESS & MGMT	3586	20.2	32	52	12	11	9	8	11	9
BUSINESS & OFFICE	194	18.6	26	55	1	1	1	1	1	1
MARKETING & DISTRIBUTION	288	19.2	27	50	1	1	1	1	1	1
COMMUNICATION & COMM TEC	1095	21.2	35	49	3	3	4	4	3	3
COMMUNITY & PRSNL SVCS	1450	17.7	47	42	4	4	5	6	4	5
COMPUTER & INFO SCI	858	20.8	39	49	5	4	1	0	3	2
CROSS-DISC STUDIES	47	25.2	17	43	0	0	0	0	0	0
EDUCATION	1195	20.0	46	44	1	2	6	6	4	4
TEACHER EDUCATION	932	20.4	41	47	2	2	3	4	3	3
ENGINEERING	2210	22.0	32	51	12	10	2	2	6	6
ENGINEERING-RELATED TECH	975	21.0	34	49	5	6	1	1	3	3
FOREIGN LANGUAGES	247	22.3	32	49	1	0	1	1	1	0
HEALTH SCI & ALLIED HLTH	4703	20.2	50	41	6	7	21	22	14	15
HUMAN, FAMILY/CONS SCI	626	18.2	48	41	1	1	3	3	2	2
LETTERS	352	24.1	32	53	1	1	1	1	1	1
MATHEMATICS	149	24.2	28	54	1	0	0	0	0	0
PHILOS, RELIG & THEOL	290	22.3	34	44	1	1	1	1	1	1
SCI (BIOL & PHYSICAL)	1804	23.2	35	50	5	4	6	4	5	4
SOCIAL SCIENCES	2770	22.0	40	48	6	5	11	10	8	8
TRADE & INDUSTRIAL	1064	17.7	53	35	6	7	0	1	3	4
VISUAL & PERFORM ARTS	3371	20.1	46	40	10	11	10	10	10	11
UNDECIDED	4240	20.0	9	17	13	13	12	10	12	12
NO RESPONSE	13239									

NUMBER OF STUDENTS - 47373

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	4738	17.9	10	AFRICAN-AMER/BLACK	1640	16.9	3
COLL PREP	14915	22.8	31	AM INDIAN,ALASKAN NTV	872	17.8	2
OTHER/GENERAL/NO RESP	27720	19.1	59	CAUCASIAN-AMER/WHITE	26669	21.5	56
REQUEST ASSISTANCE WITH				MEXICAN-AMER/CHICANO	3434	17.0	7
ED/OCCUP PLANS	14620	20.2	31	ASIAN-AMER,PACIFIC ISL	1452	20.6	3
EXPR IDEAS IN WRITING	8170	18.6	17	PUERTO RICAN,HISPANIC	2773	17.0	6
READING/COMPREHENSION	10432	18.3	22	OTHER	1029	17.9	2
STUDY SKILLS	16932	18.9	36	MULTIRACIAL	1680	20.2	4
MATH SKILLS	16242	18.5	34	PREFER NOT TO RESPOND	1919	20.6	4
PERSONAL CONCERNS	4567	18.4	10	NO RESPONSE	5905	18.7	12
EXPRESSED FIN NEED				ESTIMATED FAMILY INCOME			
NEED FINANCIAL AID	28953	20.4	61	LESS THAN \$18,000	2880	17.1	6
NEED TO FIND WORK	28257	20.0	60	ABOUT \$18,000-\$24,000	2681	17.9	6
SPECIAL COLLEGE PROG				ABOUT \$24,000-\$30,000	2717	18.6	6
INDEP STUDY	4127	22.6	9	ABOUT \$30,000-\$36,000	2707	19.2	6
HONORS COURSES	3605	24.1	8	ABOUT \$36,000-\$42,000	2933	19.9	6
ADV PLACEMENT IN COLL				ABOUT \$42,000-\$50,000	3022	20.5	6
ENGLISH	3131	23.7	7	ABOUT \$50,000-\$60,000	3108	21.0	7
MATH	2906	24.1	6	ABOUT \$60,000-\$80,000	4142	21.7	9
SOCIAL STUDIES	2800	23.6	6	ABOUT \$80,000-\$100,000	3182	22.2	7
NATURAL SCIENCE	2445	23.8	5	MORE THAN \$100,000	4396	23.1	9
FOREIGN LANG	2167	23.0	5	NO RESPONSE	15605	19.7	33
MAX YEARLY COLL TUITION				HS CLASS RANK			
\$1000 & UNDER	2419	15.8	5	TOP QTR	11606	23.8	24
\$1001 - \$2000	1822	17.5	4	2ND QTR	12335	19.7	26
\$2001 - \$4000	3778	18.8	8	3RD QTR	8538	17.7	18
\$4001 - \$7500	4501	20.6	10	4TH QTR	2075	16.4	4
\$7501 & OVER	1801	21.4	4	NO RESPONSE	12819	19.6	27
NO PREFERENCE	19840	21.4	42	EDUC DEG ASPIRATION			
NO RESPONSE	13212	19.5	28	VOC-TECH	1365	16.1	3
MOST RECENTLY TESTED				2YR COL DEGREE	3077	16.3	6
SOPHOMORE	87	22.8	0	BACHELORS DEGREE	12694	20.1	27
JUNIOR	36109	19.8	76	GRAD STUDY	6877	22.7	15
SENIOR	10648	21.4	22	PROF LEVEL DEGREE	10016	21.8	21
OTHER/NO RESPONSE	529	22.1	1	OTHER	2294	17.4	5
COLLEGE CORE PREPARATION				NO RESPONSE	11050	19.3	23
CORE OR MORE	22543	22.0	48	NUMBER OF STUDENTS			
LESS THAN CORE	19515	18.4	41	HOME SCHOOLED	191	23.1	0
NO RESPONSE	5315	19.1	11	EARNED A GED	32	20.9	0
				ALL STUDENTS	47373	20.2	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	
1111 CONSIDERING COLLEGE	IA	12255	11441	814	7	22	30	21	12	6	1	
0504 COLORADO STATE UNIV	CO	9892	3772	6120	1	6	23	35	25	9	0	
0532 U OF CO-BOULDER	CO	9521	3513	6008	1	7	21	31	27	12	1	
0502 U NORTHERN COLORADO	CO	6193	1767	4426	1	9	30	35	20	5	0	
0534 UNIVERSITY OF DENVER	CO	2898	569	2329	3	12	24	26	23	11	1	
0535 U OF CO-COLO SPRINGS	CO	2780	672	2108	1	8	28	35	22	6	0	
0519 METROPOLITAN STATE C	CO	2727	829	1898	5	21	40	24	8	1	0	
0533 U OF CO-DENVER	CO	2410	513	1897	3	12	30	31	19	5	0	
0518 MESA STATE COLLEGE	CO	2062	647	1415	2	14	38	31	12	2	0	
5555 NO COLLEGE PLANS	IA	1855	1733	122	19	38	30	10	2	0	0	
0500 COLORADO SCH MINES	CO	1719	596	1123	1	2	11	23	35	26	3	
0510 FORT LEWIS COLLEGE	CO	1535	446	1089	1	11	33	34	17	4	0	
0524 CO ST UNIV-PUEBLO	CO	1448	400	1048	3	15	38	29	14	2	0	
0495 ART INST OF COLORADO	CO	1367	507	860	5	19	36	26	12	3	0	
0496 ADAMS STATE COLLEGE	CO	1284	367	917	3	20	37	26	11	3	0	
0498 COLORADO COLLEGE	CO	1266	319	947	2	8	21	25	27	16	1	
0536 WESTERN STATE COLL	CO	1248	322	926	2	13	37	32	15	3	0	
0088 ARIZONA STATE UNIV	AZ	1150	329	821	1	9	27	33	23	7	0	
0526 REGIS UNIVERSITY	CO	1103	230	873	3	12	30	29	20	6	0	
0507 FRONT RANGE CC	CO	986	312	674	7	27	37	21	8	0	0	
0508 RED ROCKS COMM COLL	CO	925	232	693	7	23	40	21	7	1	0	
0509 PIKES PEAK COMM COLL	CO	864	292	572	4	22	39	24	10	2	0	
9999 NCAA CLEARINGHOUSE	IA	853	491	362	1	7	28	33	22	8	1	
0497 ARAPAHOE COMM COLL	CO	788	301	487	9	24	40	18	8	1	0	
0511 COMM COLL OF DENVER	CO	749	221	528	15	36	34	10	4	1	0	
0529 JOHNSON & WALES U-CO	CO	747	255	492	4	20	37	26	9	3	0	
5006 UNIV OF WYOMING	WY	722	178	544	2	9	26	35	22	6	1	
0096 UNIV OF ARIZONA	AZ	694	151	543	2	9	26	30	25	7	0	
0523 COLORADO CHRISTIAN U	CO	672	175	497	2	9	24	36	21	7	0	
0530 U S AIR FORCE ACAD	CO	596	190	406	3	13	21	23	24	14	2	
0470 U OF SOUTHERN CALIF	CA	564	137	427	1	9	20	26	27	17	1	
0520 NORTHEASTERN JR COLL	CO	537	192	345	3	19	41	26	9	1	0	
0505 AIMS COMM COLLEGE	CO	535	187	348	9	27	40	19	5	1	0	
7000 UNLISTED INSTITUTION	IA	533	162	371	6	22	34	25	9	4	0	
0398 SAN DIEGO STATE UNIV	CA	489	136	353	2	7	28	33	22	7	1	
ALL OTHER INSTITUTIONS		41316	9698	31618	3	13	24	25	21	12	2	
TOTALS		117283	42282	75001	3	13	27	27	19	9	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	(706)	(18.1)	BUSINESS & OFFICE	(194)	(18.6)
AGRICULTURAL BUSINESS	38	19.3	BOOKKEEPING/ACCT TECH	21	18.8
AGRICULTURAL ECONOMICS	4	13.5	BUSINESS DP/COMPUTER OPER	6	16.7
AGRICULTURAL MECHANICS	14	17.1	COURT REPORTING	5	17.0
AGRI PRODUCTION/TECH	4	16.5	OFFICE SUPERVISION & MGMT	25	18.0
AGRONOMY	7	17.4	SECRETARIAL	15	16.8
ANIMAL SCIENCES	98	20.5	TYPING & GENERAL OFFICE	6	16.2
FARM & RANCH MANAGEMENT	29	18.2	WORD PROCESSING	4	16.8
FISH, GAME, WILDLIFE MGMT	85	17.8	BUSINESS & OFFICE, GEN	112	19.3
FOOD SCIENCES/ENGINEERING	24	17.5			
FORESTRY & RELATED SCI	48	19.3	MARKETING & DISTRIBUTION	(288)	(19.2)
HORTICULTURE/ORNMENTAL HORT	15	18.1	FASHION MERCHANDISING	81	17.5
NATURAL RESOURCES MGMT	8	17.4	RETAILING & SALES	31	19.7
AGRICULTURE & AG TECH, GEN	332	17.3	TRAVEL SERVICES & TOURISM	15	18.1
			MARKETING & DISTRIB, GEN	161	20.1
ARCH & ENVIR DESIGN	(982)	(20.3)			
ARCHITECTURAL DRAFTING	220	20.2	COMMUNICATIONS & COMM TECH	(1095)	(21.2)
ARCHITECTURE	142	21.4	ADVERTISING	70	21.1
BLDG CON/CONSTRUCTION SCI	37	17.3	GRAPHIC/COMMERCIAL ART	73	18.5
CITY, COMM & REG PLANNING	7	18.4	GRAPHIC & PRINT COMMUNIC	13	18.2
ENVIRONMENTAL DESIGN	14	21.8	JOURNALISM	282	22.7
INTERIOR DESIGN	173	19.9	PHOTO/FILM/VIDEO TECH	92	19.5
LANDSCAPE ARCHITECTURE	46	18.3	PUBLIC RELATIONS	28	20.2
ARCHI & ENVIR DESIGN, GEN	343	20.8	RADIO/TV BROADCASTING	146	20.1
			RADIO/TV PRODUCTN & TECH	20	18.6
BUSINESS & MGMT	(3586)	(20.2)	COMMUNIC & COMM TECH, GEN	371	21.7
ACCOUNTING	274	19.5			
BANKING & FINANCE	85	20.9	COMMNTY & PRSNL SVCS	(1450)	(17.7)
BUSINESS ADMIN & MGMT	484	20.4	CORRECTIONS	7	16.4
BUSINESS ECONOMICS	82	20.3	COSMETOLOGY/HAIRSTYLING	258	15.8
CONTRACT MGMT & PURCHSING	14	15.6	CRIMINAL JUSTICE/CRIMINOL	437	18.2
HOTEL/RESTAURANT MGMT	144	19.1	FIRE PROTECTN/SAFETY TECH	109	17.6
HUMAN RESOURCE DEVEL/TRNG	8	20.3	FUNERAL SVCS/MORTUARY SCI	9	18.6
INSTITUTIONAL MANAGEMENT	6	15.8	LAW ENFORCEMENT & ADMIN	196	17.1
INSURANCE & RISK MGMT	21	20.6	LIBRARY SCI/LIB ASSISTING	5	18.0
INTERNATL BUSINESS/MGMT	126	22.3	MILITARY SCIENCE/TECH	45	19.4
LABOR/INDUSTRL RELATIONS	5	15.8	PARKS & RECREATION	9	20.7
MANAGEMENT INFO SYSTEMS	7	18.1	PUBLIC ADMINISTRATION	2	26.5
MANAGEMENT SCIENCE	11	18.5	PUBLIC AFFAIRS	4	16.8
MARKETING MGMT & RESEARCH	134	21.1	SOCIAL WORK	64	19.0
ORGANIZATIONAL BEHAVIOR	2	13.0	COMMNTY & PRSNL SVCS, GEN	305	18.1
PERSONNEL MANAGEMENT	7	18.3			
REAL ESTATE	116	18.0			
SML BUSINESS MGMT/OWNRSHIP	251	18.6			
TRADE & INDUSTRIAL MGMT	8	17.9			
TRANSPORTATION MANAGEMENT	4	13.8			
BUSINESS & MGMT, GEN	1797	20.6			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
COMPUTER & INFO SCI	(858)	(20.8)	ENGINEERING	(2210)	(22.0)
COMPUTER PROGRAMMING	365	20.1	AEROSPACE ENGINEERING	252	24.6
COMPUTER SCIENCE	152	22.0	AGRICULTURAL ENGINEERING	21	20.2
DATA PROCESSING	7	18.4	ARCHITECTURAL ENGINEERING	34	22.4
INFO SCIENCES & SYSTEMS	23	20.6	BIOENGINEER & BIOMED ENG	49	25.9
MATH/COMPUTER SCIENCE	21	24.7	CERAMIC ENGINEERING	3	20.3
COMPUTER & INFO SCI, GEN	290	20.9	CHEMICAL ENGINEERING	86	25.6
CROSS-DISC STUDIES	(47)	(25.2)	CIVIL ENGINEERING	89	23.2
AREA & ETHNIC STUDIES	6	28.3	COMPUTER ENGINEERING	78	22.4
LIBERAL ARTS/GEN STUDIES	22	25.5	CONSTRUCTION ENG/MGMT	43	19.0
MULTI-/INTERDISC STUDIES	4	23.0	ELECTRCL & ELECTRONIC ENG	87	21.8
CROSS-DISC STUDIES, GEN	15	24.1	ENGINEERING MANAGEMENT	5	12.0
EDUCATION	(1195)	(20.0)	ENGINEERING PHYSICS	28	26.1
ADULT & CONTINUING EDUC	5	17.0	ENGINEERING SCIENCE	12	21.8
EDUCATION ADMINISTRATION	6	16.0	ENVIRONMENTAL HEALTH ENG	6	20.2
ELEMENTARY EDUCATION	446	20.0	GEOLOGICAL & GEOPHYS ENG	8	21.8
JR HIGH/MIDDLE SCH EDUC	73	19.1	INDUSTRIAL ENGINEERING	16	20.2
PRE-ELEMENTARY EDUCATION	75	16.8	MATERIALS ENGINEERING	7	17.4
SECONDARY EDUCATION	127	22.9	MECHANICAL ENGINEERING	369	20.8
STUDENT COUNSELING	19	15.6	METALLURGICAL ENGINEERING	4	25.0
TEACHER AIDE	3	13.7	MINING & MINERAL ENG	3	15.0
EDUCATION, GENERAL	441	20.2	NAVAL ARCHIT & MARINE ENG	15	21.2
TEACHER EDUCATION	(932)	(20.4)	NUCLEAR ENGINEERING	22	22.8
AGRICULTURAL EDUCATION	5	18.6	OCEAN ENGINEERING	3	17.0
ART EDUCATION	32	19.9	PETROLEUM ENGINEERING	11	21.1
BUSINESS EDUCATION	5	22.4	SYSTEMS ENGINEERING	9	19.4
ENGLISH EDUCATION	95	22.4	ENGINEERING, GENERAL	950	21.3
FOREIGN LANGUAGES EDUC	15	21.5	ENGINEERING-RELATED TECH	(975)	(21.0)
HEALTH EDUCATION	3	14.7	AERONAUTICAL TECHNOLOGY	86	22.7
HUMAN, FAM/CONS SCI EDUC	2	23.0	AC, HEATING, REFRIG TECH	4	17.3
INDUSTRIAL ARTS EDUCATION	0	0.0	ARCHITECTURAL DESIGN TECH	50	21.1
MATHEMATICS EDUCATION	32	21.1	BIOMEDICAL EQUIPMENT TECH	10	23.5
MUSIC EDUCATION	116	21.6	CIVIL ENGINEERING TECH	37	21.2
PHYSICAL EDUCATION	91	18.5	COMPUTER ENGINEERING TECH	98	20.8
SCIENCE EDUCATION	17	21.2	CONSTRUCTION/BLDG TECH	18	17.6
SOC STUDIES/SOC SCI EDUC	73	21.7	DRAFTING & DESIGN TECH	21	17.3
SPECIAL EDUCATION	25	18.8	ELECTRICAL ENG TECHNOLOGY	37	20.1
SPEECH CORRECTION EDUC	5	18.6	ELECTRONIC ENG TECHNOLOGY	30	18.4
TEACHING ENGL AS 2ND LANG	7	18.6	ELECTROMECHAN INSTR TECH	6	18.2
TECH/TRADE & IND ED	0	0.0	ENVIRONMENTAL CONTRL TECH	4	25.3
TEACHER EDUCATION, OTHER	29	18.3	INDUSTRIL PRODUCTION TECH	5	21.8
TEACHER EDUCATION, GEN	380	19.9			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
LASER/FIBER-OPTIC TECH	6	16.2	HUMAN, FAMILY/CONS SCI	(626)	(18.2)
MANUFACTURING TECHNOLOGY	11	18.7	CHILD DEV, CARE, GUIDANCE	48	16.9
MECHANICAL ENG TECH	179	20.0	CHILD CARE AIDE/ASSISTING	19	14.9
MINING & PETROLEUM TECH	8	24.0	CULINARY ARTS	264	18.3
OCCUPATL SFTY & HLTH TECH	0	0.0	FAMILY/CONS RESOURCE MGMT	1	13.0
SURVEYING & MAPPING TECH	1	22.0	FASHION DESIGN	72	17.8
ENGINEERING TECH, OTHER	28	19.9	FOOD PRODUCTN, MGMT, SVCS	39	17.3
ENGINEER-RELATD TECH, GEN	336	22.1	FOOD SCI & NUTR/DIETETICS	21	20.7
			HUMAN ENVIRON & HOUSING	5	18.8
FOREIGN LANGUAGES	(247)	(22.3)	INDIVIDUAL & FAMILY DEVEL	5	19.2
ASIATIC LANGUAGES	40	22.4	TEXTILES AND CLOTHING	7	21.0
CLASSICAL LANGUAGES	9	25.1	HUMAN, FAM/CONS SCI, GEN	145	18.8
FRENCH	21	24.4			
GERMAN	10	22.4	LETTERS	(352)	(24.1)
ITALIAN	7	19.4	CLASSICS	1	27.0
MIDDLE EASTERN LANGUAGES	5	24.6	COMPARATIVE LITERATURE	2	27.0
RUSSIAN	5	22.6	CREATIVE WRITING	148	23.5
SPANISH	74	21.5	ENGLISH, GENERAL	97	25.0
FOREIGN LANGUAGES, OTHER	20	22.3	LINGUISTICS	9	26.0
FOREIGN LANGUAGES, GEN	56	22.1	LITERATURE, ENGLISH/AMER	35	24.6
			SPEECH & RHETORICAL STUDY	5	22.0
HEALTH SCI & ALLIED HLTH	(4703)	(20.2)	LETTERS, GENERAL	55	23.2
CHIROPRACTIC	48	19.3			
DENTAL ASSISTING	33	16.8	MATHEMATICS	(149)	(24.2)
DENTAL HYGIENE	72	18.4	ACTUARIAL SCIENCES	8	28.5
DENTAL LAB/TECHNOLOGY	3	13.3	APPLIED MATHEMATICS	13	22.9
DENTISTRY	102	20.8	STATISTICS	9	23.6
EMERG MED TECH/PARAMEDIC	95	17.1	MATHEMATICS, GENERAL	119	24.1
HEALTH CARE ADMIN	30	16.1			
MEDICAL/SURG ASSISTING	133	17.8	PHILOS, RELIG & THEOLOGY	(290)	(22.3)
MEDICAL LAB/TECHNOLOGY	49	18.0	BIBLE STUDIES	32	21.4
MED RECORDS ADMIN/TECH	12	20.6	PHILOSOPHY	56	23.1
MEDICINE	761	23.4	RELIGION	26	22.3
MNTL HLTH & HUM SVCS/TECH	23	17.6	RELIGIOUS EDUCATION	24	21.6
NUCLEAR MEDICINE TECH	7	16.9	RELIGIOUS MUSIC	15	19.1
NURSING (PRACTICAL)	189	16.1	THEOLOGY	30	23.7
NURSING (REGISTERED)	701	18.9	PHILOS, RELIG & THEOL, GEN	107	22.5
OCCUPATNL THERAPY/ASSIST	53	19.1			
OPTOMETRY	23	21.0			
PHARMACY	127	20.3			
PHYSICIAN ASSISTING	31	18.3			
PHYSICAL THERAPY/ASSIST	292	20.3			
RADIOLOGY/RADIOLOGIC TECH	68	18.1			
REC/ART/MUSIC THERAPY	9	17.0			
RESPIRATORY THERAPY/TECH	4	15.3			
SPEECH PATHOL/AUDIOLOGY	10	21.3			
VETERINARIAN ASSISTING	70	17.6			
VETERINARY MEDICINE	264	21.6			
HEALTH SCI & ALLIED, GEN	1494	20.5			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
SCIENCES (BIOL & PHYSICAL) (	1804)	(23.2)	VISUAL/PERFORM ARTS	(3371)	(20.1)
ASTRONOMY	72	21.6	APPLIED DESIGN/CRAFTS	26	20.3
ATMOSPHER SCI & METEOROL	33	22.0	ART	278	19.6
BIOCHEMISTRY & BIOPHYSICS	105	26.0	ART HIST & APPRECIATION	23	22.9
BIOLOGY	446	23.3	CINEMATOGRAPHY/FILM/VIDEO	261	21.3
BOTANY	20	19.4	DANCE	103	18.3
CHEMISTRY	162	24.0	DESIGN, GENERAL	104	19.8
EARTH SCIENCE	21	20.1	DRAMA/THEATRE ARTS	299	21.5
ECOLOGY/ENV STUDIES	43	23.5	FINE ARTS, GENERAL	55	21.1
GEOLOGY	25	22.8	GRAPHIC ARTS TECHNOLOGY	117	19.4
MICROBIOLOGY	40	24.3	GRAPHIC DESIGN	208	19.7
OCEANOGRAPHY	83	19.7	MUSIC (LIBERAL ARTS)	113	22.0
PHYSICS	105	26.2	MUSIC PERFORMANCE	384	21.2
ZOOLOGY	142	21.1	MUSIC THEORY & COMPOSIT	137	20.4
SCIENCES (BIO & PHYS), GEN	507	23.4	PHOTOGRAPHY	196	18.8
			VISUAL/PERFORM ARTS, GEN	1067	19.2
SOCIAL SCIENCES (	2770)	(22.0)	UNDECIDED	(4240)	(20.0)
ANTHROPOLOGY	61	24.2			
ECONOMICS	20	23.6			
GEOGRAPHY	9	18.0			
HISTORY	217	22.9			
INTERNATIONAL RELATIONS	110	26.6			
LAW	486	21.3			
PARALEGAL/LEGAL ASSISTING	35	18.3			
POLITICAL SCI/GOVERNMENT	170	25.1			
PSYCHOLOGY	1036	21.1			
SOCIOLOGY	70	21.7			
URBAN STUDIES	1	14.0			
SOCIAL SCIENCES, GENERAL	555	22.3			
TRADE & INDUSTRIAL (	1064)	(17.7)			
AIRCRAFT TECHNICIAN	21	17.6			
AIRPLANE PILOTING & NAVIG	141	20.3			
AUTOMOTIVE BODY REPAIR	123	16.5			
AUTOMOTIVE TECHNOLOGY	349	17.6			
AVIATION MANAGEMENT	9	16.4			
COMPUTER ELECTRNCS/REPAIR	7	18.4			
CONSTRCT TRADES & CARPENT	18	16.3			
DIESEL MECHANICS & TECH	42	17.0			
DRAFTING	9	17.4			
ELECTRICAL EQUIP REPAIR	17	17.3			
HEATING, AC, REFRIG MECH	3	16.3			
MACHINE TECHNOLOGY	13	17.5			
MECHANICAL DRAFTING	7	15.6			
WELDING & WELDING TECH	66	16.6			
TRADE & INDUSTRIAL, GEN	239	17.7			

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)	184	16.3	50	17.2	121	16.1	53	15.9	130	16.5
BUSINESS OPER (04-05)	402	16.0	105	17.0	278	15.7	229	16.1	169	15.8
TECHNICAL (06-07)	885	16.1	219	17.4	611	15.7	665	16.1	202	16.3
SCIENCE & TECH (08-09)	831	16.8	225	17.9	574	16.4	498	17.0	322	16.5
ARTS (10-11)	453	16.6	128	17.2	307	16.4	167	16.7	281	16.6
SOCIAL SERVICE (12-01)	224	16.1	56	17.0	158	15.8	61	15.8	160	16.3
OTHER*	1463	15.9	347	17.1	1001	15.7	768	15.9	670	15.9
TOTAL	4442	16.2	1130	17.3	3050	15.9	2441	16.3	1934	16.2
<u>PLAN ON 4-YEARS OR MORE OF COLLEGE</u>										
ADMIN & SALES (02-03)	2318	21.0	1459	22.1	809	19.2	789	21.7	1499	20.6
BUSINESS OPER (04-05)	1825	20.3	1042	21.7	728	18.7	992	20.3	810	20.4
TECHNICAL (06-07)	3311	20.6	1913	22.0	1302	18.8	2282	20.7	993	20.5
SCIENCE & TECH (08-09)	5841	22.1	3529	23.4	2154	20.2	3129	22.2	2649	22.1
ARTS (10-11)	3927	21.9	2361	23.0	1463	20.3	1338	22.0	2556	21.9
SOCIAL SERVICE (12-01)	2923	21.5	1790	22.6	1055	19.7	826	21.7	2069	21.4
OTHER*	9442	21.0	5219	22.3	3521	19.2	4494	21.0	4823	21.0
TOTAL	29587	21.3	17313	22.6	11032	19.5	13850	21.3	15399	21.3

* 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	GRADE AVERAGES				HS GPA AVG	HS GPA SD
		ENGLISH	MATH	SOCIAL STUDIES	NATURAL SCIENCE		
MALE	17935	2.86	2.81	3.04	2.91	2.90	0.76
FEMALE	19291	3.21	2.97	3.25	3.10	3.14	0.69
NO RESPONSE	447	2.89	2.66	2.94	2.83	2.84	0.75
AFRICAN-AMERICAN/BLACK	1273	2.76	2.50	2.82	2.62	2.69	0.68
CAUCASIAN-AMERICAN/WHITE	22249	3.17	3.02	3.27	3.13	3.14	0.68
OTHER MINORITY	7563	2.85	2.69	2.95	2.81	2.83	0.76
MISSING/PREFER NO RESP	6588	2.90	2.75	3.00	2.90	2.89	0.77
TOTAL	37673	3.04	2.89	3.14	3.01	3.02	0.73

APPENDIX

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 61, THIS MEANS THAT 61% 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 55 PERCENT OF STUDENTS SCORED BELOW 21.

TABLE 4 EXAMPLE

STD SCORE	ACT COMPOSITE	
	FREQ	CP
36	2	99
35	44	99
34	145	99
33	217	99
32	342	99
31	548	98
30	746	97
29	992	96
28	1223	94
27	1551	91
26	1937	88
25	2216	84
24	2522	79
23	2758	74
22	3013	68
21	3114	61 <-- 61% OF THE STUDENTS SCORE AT OR BELOW 21
20	3233	55 <-- 55% OF THE STUDENTS SCORE BELOW 21
19	3374	48
18	3332	41
17	3179	34
16	3105	27
15	2778	21
14	2541	15
13	2178	9
12	1546	5
11	587	2
10	108	1
9	26	1
8	13	1
7	2	1
6	0	1
5	1	1
4	0	1
3	0	1
2	0	1
1	0	1

