

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

**STATE COMPOSITE FOR  
MICHIGAN**

**CODE 230-000**



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	40472	29911	56/ 41	21.7/18.8	22.4/19.3	22.7/20.3	22.6/20.4	22.5/19.8
2001-02	39912	29449	56/ 41	21.6/18.8	22.4/19.5	22.7/20.2	22.5/20.3	22.5/19.8
2002-03	41237	30638	55/ 41	21.7/18.8	22.3/19.3	22.8/20.3	22.5/20.3	22.5/19.8
2003-04	39913	29643	54/ 40	21.8/18.8	22.4/19.3	22.9/20.4	22.5/20.2	22.5/19.8
2004-05	39706	29963	53/ 40	21.9/19.0	22.4/19.5	22.9/20.4	22.6/20.3	22.6/19.9

EXECUTIVE SUMMARY - AVERAGE ACT SCORES FOR TOTAL GROUP

	NUMBER	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
2000-01	72450	20.5	21.1	21.7	21.6	21.3
2001-02	71882	20.4	21.2	21.7	21.6	21.3
2002-03	75127	20.5	21.1	21.7	21.6	21.3
2003-04	73434	20.5	21.1	21.8	21.5	21.4
2004-05	74307	20.7	21.2	21.8	21.6	21.4

EXECUTIVE SUMMARY - ACT SCORE QUARTILE VALUES FOR TOTAL GROUP

	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
Q3 (75TH PERCENTILE)	24.6	24.9	26.1	24.5	24.7
Q2 (50TH PERCENTILE - MEDIAN)	20.4	20.5	21.6	21.4	21.2
Q1 (25TH PERCENTILE)	16.5	17.0	17.2	18.7	17.9

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= 4713) (N= 188) (N= 28961) (N= 547) (N= 1331) (N= 256)						
ENGLISH	16.7	21.0	22.7	20.5	23.2	20.6
USAGE/MECH	7.9	10.4	11.5	10.1	11.7	10.3
RHET SKILLS	8.7	11.0	11.8	10.7	11.9	10.7
MATHEMATICS	17.2	22.1	23.2	21.0	24.5	20.7
PRE/ELEM-ALG	8.5	11.8	12.4	11.0	13.0	10.6
ALG/CRD-GEOM	8.7	11.0	11.7	10.5	12.4	10.6
PLANE GEOM/TRIG	8.2	11.1	11.7	10.5	12.3	10.4
READING	17.8	22.3	23.7	21.7	23.6	21.6
SOC STU/SCI	8.8	11.4	12.2	11.0	12.2	11.0
ARTS/LITERATURE	8.9	11.4	12.1	11.1	11.9	11.0
SCIENCE	18.1	22.4	23.3	21.4	23.6	21.1
COMPOSITE	17.6	22.1	23.4	21.3	23.9	21.1
LESS THAN CORE (N= 3157) (N= 232) (N= 22311) (N= 529) (N= 623) (N= 235)						
ENGLISH	14.7	17.2	19.7	16.8	19.7	17.5
USAGE/MECH	6.8	8.1	9.6	7.8	9.7	8.3
RHET SKILLS	7.7	9.0	10.2	8.8	10.1	9.2
MATHEMATICS	15.9	18.1	20.0	17.9	21.3	18.4
PRE/ELEM-ALG	7.5	9.1	10.4	8.9	11.0	9.2
ALG/CRD-GEOM	7.7	9.0	10.0	8.8	10.7	9.3
PLANE GEOM/TRIG	7.5	9.1	10.2	8.9	10.7	9.1
READING	16.2	19.5	21.0	18.7	20.9	19.1
SOC STU/SCI	8.0	9.9	10.7	9.4	10.8	9.7
ARTS/LITERATURE	7.9	9.8	10.6	9.4	10.3	9.5
SCIENCE	16.7	19.5	20.9	18.8	21.2	18.9
COMPOSITE	16.0	18.7	20.5	18.2	20.9	18.6
NO RESPONSE (N= 346) (N= 20) (N= 3125) (N= 79) (N= 146) (N= 32)						

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= 8216)	(N= 440)	(N= 54397)	(N= 1155)	(N= 2100)	(N= 523)
ENGLISH	15.9	18.8	21.4	18.7	22.1	19.0
USAGE/MECH	7.4	9.1	10.6	9.0	11.1	9.3
RHET SKILLS	8.3	9.8	11.1	9.8	11.4	9.9
MATHEMATICS	16.7	19.8	21.8	19.4	23.6	19.6
PRE/ELEM-ALG	8.1	10.3	11.5	9.9	12.4	10.0
ALG/CRD-GEOM	8.3	9.9	11.0	9.7	11.9	10.0
PLANE GEOM/TRIG	7.9	10.0	11.0	9.7	11.9	9.8
READING	17.2	20.7	22.5	20.2	22.7	20.3
SOC STU/SCI	8.5	10.5	11.5	10.2	11.7	10.4
ARTS/LITERATURE	8.5	10.4	11.4	10.2	11.4	10.2
SCIENCE	17.5	20.8	22.3	20.1	22.8	20.0
COMPOSITE	17.0	20.2	22.1	19.7	23.0	19.9

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	1284 20.0	108 23.1	22420 24.6	331 23.2	1133 25.2	160 22.9
3.00 - 3.49	2035 17.5	119 20.6	12893 21.0	279 19.5	400 20.1	132 19.9
2.50 - 2.99	2072 16.3	69 18.6	6919 19.3	187 17.9	154 18.4	89 17.7
2.00 - 2.49	1299 15.2	57 17.2	3122 18.1	130 17.0	74 17.6	49 17.0
1.99 & BELOW	366 14.7	10 16.1	817 17.2	34 15.9	15 15.8	14 15.6
CGPA PRED BY STUDENT						
3.5 - 4.0	1225 19.7	94 24.0	18055 25.0	273 23.2	981 25.6	139 23.0
3.0 - 3.4	3298 17.5	196 19.9	22485 21.4	483 19.6	660 20.6	219 19.5
2.5 - 2.9	2033 15.7	99 18.0	7511 19.0	205 17.3	159 18.4	81 17.8
2.0 - 2.4	850 14.7	25 17.4	2149 17.6	77 16.9	62 17.1	34 16.3
1.9 & BELOW	174 13.9	6 13.7	359 16.8	22 15.7	9 15.7	10 15.7
HIGH SCHOOL RANK						
TOP QUARTER	1805 18.9	137 23.1	23117 24.4	363 22.5	989 25.2	154 22.9
2ND QUARTER	3136 16.8	174 19.3	18114 20.6	395 19.0	585 20.4	210 19.0
BOTTOM HALF	2359 15.7	93 17.9	7705 18.6	250 17.3	203 18.2	100 17.1



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	16546	22	9864	13	2376	3	215	0
	FEMALE	19510	26	12933	17	3631	5	192	0
	TOTAL	36217	49	22908	31	6038	8	411	1
NO. & VARIETY OF COURSE OFFERINGS	MALE	14768	20	7691	10	6186	8	337	0
	FEMALE	17393	23	8553	12	9921	13	406	1
	TOTAL	32338	44	16313	22	16165	22	746	1
GRADING PRACTICES & POLICIES	MALE	13959	19	10796	15	3883	5	338	0
	FEMALE	18194	24	12753	17	4947	7	350	0
	TOTAL	32302	43	23660	32	8871	12	694	1
NO. & KINDS OF TESTS GIVEN	MALE	13418	18	12405	17	2850	4	289	0
	FEMALE	16520	22	15262	21	4172	6	287	0
	TOTAL	30075	40	27791	37	7061	10	582	1
GUIDANCE SERV PROVIDED BY GUIDANCE OFFICE	MALE	13790	19	8767	12	4952	7	1446	2
	FEMALE	16635	22	9800	13	8291	11	1487	2
	TOTAL	30570	41	18665	25	13291	18	2948	4
SCHOOL RULES, REGULATIONS, & POLICIES	MALE	10500	14	10081	14	7803	11	562	1
	FEMALE	12692	17	12245	16	10735	14	537	1
	TOTAL	23290	31	22442	30	18619	25	1112	1
LIBRARY OR LEARNING CENTER	MALE	15346	21	9398	13	3502	5	711	1
	FEMALE	19621	26	10841	15	4889	7	861	1
	TOTAL	35136	47	20328	27	8430	11	1581	2
LABORATORY FACILITIES	MALE	13481	18	9539	13	4727	6	1185	2
	FEMALE	15655	21	11906	16	6892	9	1752	2
	TOTAL	29270	39	21555	29	11667	16	2951	4
PROVISIONS FOR SPECIAL HELP IN READING, MATH, ETC	MALE	10318	14	9104	12	2564	3	6926	9
	FEMALE	12795	17	10292	14	4066	5	9043	12
	TOTAL	23239	31	19498	26	6663	9	16016	22
PROVISIONS FOR ACADEMICALLY OUTSTANDING STU	MALE	14828	20	8497	11	2870	4	2745	4
	FEMALE	19606	26	9292	13	4441	6	2876	4
	TOTAL	34606	47	17874	24	7334	10	5648	8
ADEQUACY OF PROG IN CAREER EDUC & PLANNING	MALE	12205	16	10643	14	4371	6	1667	2
	FEMALE	14500	20	12118	16	7177	10	2327	3
	TOTAL	26841	36	22874	31	11590	16	4010	5

NUMBER OF STUDENTS - 74307

TABLE 4 ACT SCORE DISTRIBUTIONS, CUMULATIVE PERCENTAGES, AND AVERAGES FOR ALL STUDENTS (NUMBER OF STUDENTS = 74307)

STD SCORE	ACT ENGLISH		ACT MATHEMATICS		ACT READING		ACT SCIENCE		ACT COMPOSITE	
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP
36	96	99	116	99	446	99	201	99	18	99
35	304	99	360	99	649	99	401	99	135	99
34	854	99	554	99	1202	99	401	99	252	99
33	703	98	470	99	1200	97	273	99	453	99
32	783	97	723	98	1198	95	844	98	691	99
31	1055	96	879	97	1482	94	339	97	1050	98
30	1138	95	1064	96	2416	92	957	97	1491	97
29	2318	93	1958	94	2212	88	1593	95	1893	94
28	2304	90	2362	92	2450	85	2014	93	2542	92
27	2436	87	3740	89	4075	82	2408	91	2987	89
26	3143	84	4149	84	3478	77	3874	87	3620	85
25	3813	80	3772	78	3150	72	5109	82	4428	80
24	3860	75	4835	73	3801	68	5186	75	4885	74
23	3696	69	4855	66	4954	63	7030	68	5180	67
22	5020	64	3324	60	4768	56	5427	59	5610	60
21	5149	58	3990	55	3720	50	7771	51	5935	53
20	5615	51	4986	50	5704	45	7281	41	5976	45
19	5162	43	4700	43	4545	37	5775	31	5590	37
18	4231	36	5702	37	3278	31	5448	23	5316	29
17	4152	30	6287	29	3718	26	3219	16	4638	22
16	3446	25	6581	21	3721	21	2990	12	3850	16
15	4702	20	4515	12	2873	16	1868	8	3057	10
14	3089	14	2610	6	3856	12	1189	5	2195	6
13	1946	10	1281	2	2402	7	983	4	1380	3
12	1478	7	341	1	1788	4	782	2	765	2
11	1273	5	97	1	784	2	455	1	277	1
10	984	3	34	1	236	1	289	1	72	1
9	567	2	18	1	110	1	139	1	14	1
8	642	1	0	1	47	1	38	1	4	1
7	261	1	2	1	15	1	14	1	2	1
6	61	1	2	1	19	1	4	1	1	1
5	19	1	0	1	8	1	3	1	0	1
4	4	1	0	1	1	1	1	1	0	1
3	2	1	0	1	0	1	1	1	0	1
2	0	1	0	1	0	1	0	1	0	1
1	1	1	0	1	1	1	0	1	0	1

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

33-36	1957	3	1500	2	3497	5	1276	2	858	1
28-32	7598	10	6986	9	9758	13	5747	8	7667	10
24-27	13252	18	16496	22	14504	20	16577	22	15920	21
20-23	19480	26	17155	23	19146	26	27509	37	22701	31
16-19	16991	23	23270	31	15262	21	17432	23	19394	26
13-15	9737	13	8406	11	9131	12	4040	5	6632	9
01-12	5292	7	494	1	3009	4	1726	2	1135	2

AVG(SD) 20.7( 5.7) 21.2( 5.0) 21.8( 5.9) 21.6( 4.5) 21.4( 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 = 74307)

STD SCORE	USAGE/MECH		RHET SKILLS		SOC STU/SCI		ARTS/LIT		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	
18	1582	99	428	99	1378	99	2642	99	18
17	2866	98	1107	99	3782	98	3566	96	17
16	2307	94	2993	98	4077	93	4259	92	16
15	4431	91	4325	94	5258	88	5091	86	15
14	4131	85	6122	88	5550	80	4704	79	14
13	4614	79	5585	80	5724	73	5955	73	13
12	6205	73	9114	72	7919	65	8633	65	12
11	7249	65	8603	60	6931	55	6281	53	11
10	7345	55	9925	48	8081	45	6176	45	10
9	7530	45	8804	35	7391	34	5913	36	9
8	7716	35	6967	23	8130	25	5763	28	8
7	6323	25	4342	14	4417	14	5952	21	7
6	5209	16	2872	8	2661	8	4134	13	6
5	3150	9	1745	4	1402	4	3581	7	5
4	2193	5	967	2	903	2	1178	2	4
3	1048	2	326	1	475	1	350	1	3
2	376	1	77	1	175	1	123	1	2
1	32	1	5	1	53	1	6	1	1
AVERAGE		10.2		10.7		11.1		11.0	
S.D.		3.6		3.0		3.4		3.7	

STD SCORE	PRE/ELEM		ALG/CRD-GEOM		PLN GEOM/TRIG		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	
18	1953	99	645	99	553	99	18
17	2540	97	723	99	560	99	17
16	4105	94	1812	98	2187	99	16
15	4301	88	2624	96	4077	96	15
14	7719	83	7197	92	5935	90	14
13	6777	72	4955	83	7125	82	13
12	5605	63	11206	76	9105	72	12
11	7074	56	8931	61	7032	60	11
10	6806	46	9217	49	13748	51	10
9	6087	37	12284	36	7771	32	9
8	9197	29	5709	20	5968	22	8
7	7251	16	3313	12	4533	14	7
6	3230	7	2178	8	2902	8	6
5	1029	2	1900	5	266	4	5
4	400	1	847	2	1616	3	4
3	163	1	545	1	128	1	3
2	65	1	100	1	639	1	2
1	5	1	121	1	162	1	1
AVERAGE		11.1		10.6		10.7	
S.D.		3.4		2.9		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	33479	20.3	5.7	21.9	5.2	21.6	6.0	22.2	4.7	21.6	4.9
FEMALES	40391	21.0	5.7	20.6	4.8	22.0	5.8	21.2	4.3	21.3	4.6
NO RESPONSE	437	19.8	5.7	20.8	5.0	21.2	6.1	21.4	4.7	20.9	4.8

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	3	3	1	5	5	3	1	1	1	1	1
28-32	9	11	12	7	13	14	10	6	11	10	11	10
24-27	17	19	24	20	19	20	25	20	22	21	22	21
20-23	25	27	23	23	25	26	35	38	30	31	30	31
16-19	24	22	28	34	21	20	21	26	25	27	25	27
13-15	14	12	9	13	13	12	5	6	9	9	9	9
01-12	8	6	1	1	5	4	2	3	2	1	2	1

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	13200	20	23.7	440	14	520	11	10040	25	2200	12
GOOD	29209	44	21.6	1283	41	1939	42	18400	45	7587	42
AVERAGE	15069	23	19.7	825	26	1390	30	7249	18	5605	31
BELOW AVERAGE	3175	5	19.2	209	7	344	7	1440	4	1182	7
VERY INADEQUATE	3895	6	20.5	282	9	307	7	2364	6	942	5
NO RESPONSE	2081	3	22.0	101	3	103	2	1351	3	526	3
NO. OF STUDENTS	66629			3140		4603		40844		18042	

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	74307	20.7	5.7	21.2	5.0	21.8	5.9	21.6	4.5	21.4	4.7
COLLEGE CORE											
E4, M3, SS3, NS3	39706	21.9	5.6	22.4	5.0	22.9	5.9	22.6	4.5	22.6	4.7
In between	17361	19.4	5.5	19.7	4.5	20.7	5.6	20.5	4.3	20.2	4.4
E4, M2, SS2, NS2	12602	18.4	5.4	19.3	4.6	20.0	5.6	20.1	4.4	19.6	4.4
No Response	4638	20.9	5.8	21.4	5.1	22.0	6.0	21.7	4.5	21.7	4.8
HS GPA RANGES											
3.50 - 4.00	28021	23.9	5.1	24.2	4.7	24.8	5.4	24.1	4.2	24.4	4.2
3.00 - 3.49	17446	19.7	4.8	20.1	4.1	20.9	5.2	20.9	3.7	20.5	3.8
2.50 - 2.99	10428	17.5	4.6	18.2	3.6	18.9	4.9	19.2	3.7	18.6	3.5
2.00 - 2.49	5199	15.9	4.5	17.1	3.2	17.5	4.7	18.1	3.8	17.3	3.4
1.99 & below	1378	14.9	4.5	16.5	2.9	16.4	4.5	17.3	3.8	16.4	3.3

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	26669	36	3.42	21.2	21.8
ENG 9, ENG 10, ENG 11, ENG 12	34160	46	3.35	20.6	21.5
LESS THAN 4 YEARS OF ENGLISH	8708	12	3.17	19.0	20.1
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	4770	6	- . -	20.9	21.6
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	4495	6	3.57	24.8	24.4
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	6721	9	3.34	22.5	22.7
ALG 1, ALG 2, GEOM, TRIG	6891	9	3.16	21.1	21.4
ALG 1, ALG 2, GEOM, OTHER ADV MATH	7470	10	3.05	20.1	20.6
ALG 1, ALG 2, GEOM	11533	16	2.73	18.4	19.2
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	18271	25	3.50	24.2	23.9
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	3718	5	3.08	20.4	20.9
LESS THAN 3 YEARS OF MATH	9903	13	2.57	17.5	18.3
NO MATH COURSE/GRADE INFORMATION REPORTED	5305	7	- . -	21.2	21.5
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	1421	2	3.47	24.0	23.4
US HIST, WORLD HIST, AM GOVT	3353	5	3.34	22.2	22.0
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	28354	38	3.48	22.2	21.7
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	25932	35	3.38	21.6	21.4
LESS THAN 3 YEARS OF SOC SCI	10085	14	3.25	20.6	20.4
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	5162	7	- . -	22.0	21.6
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	21868	29	3.45	23.0	22.9
BIOLOGY, CHEMISTRY, PHYSICS	6643	9	3.41	24.3	24.6
GEN SCIENCE, BIOLOGY, CHEMISTRY	20557	28	3.17	21.0	20.8
OTHER COMBINATIONS OF 3 YEARS NAT SCI	2576	3	3.21	21.4	21.1
LESS THAN 3 YEARS OF NAT SCI	17434	23	2.95	19.7	19.3
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	5229	7	- . -	21.7	21.6

STATE COMPOSITE FOR  
MICHIGANTABLE 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	11457	34	3.28	20.8	22.1
ENG 9, ENG 10, ENG 11, ENG 12	14928	45	3.21	20.3	21.7
LESS THAN 4 YEARS OF ENGLISH	4488	13	3.03	18.7	20.3
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	2606	8	- . -	20.4	21.6
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	2139	6	3.52	25.4	24.4
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	2617	8	3.24	23.2	22.6
ALG 1, ALG 2, GEOM, TRIG	2984	9	3.08	21.8	21.4
ALG 1, ALG 2, GEOM, OTHER ADV MATH	2779	8	2.98	20.7	20.6
ALG 1, ALG 2, GEOM	4743	14	2.63	18.9	19.1
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	9143	27	3.46	25.0	24.1
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	1820	5	2.99	20.9	20.9
LESS THAN 3 YEARS OF MATH	4378	13	2.54	18.0	18.3
NO MATH COURSE/GRADE INFORMATION REPORTED	2876	9	- . -	21.7	21.6
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	769	2	3.41	23.6	23.5
US HIST, WORLD HIST, AM GOVT	1819	5	3.27	21.8	21.9
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	12253	37	3.42	22.0	21.9
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	10916	33	3.32	21.4	21.5
LESS THAN 3 YEARS OF SOC SCI	4881	15	3.20	20.5	20.6
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	2841	8	- . -	21.7	21.7
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	10674	32	3.41	23.7	23.2
BIOLOGY, CHEMISTRY, PHYSICS	3262	10	3.36	25.1	25.0
GEN SCIENCE, BIOLOGY, CHEMISTRY	7688	23	3.04	21.3	20.6
OTHER COMBINATIONS OF 3 YEARS NAT SCI	1489	4	3.18	21.9	21.4
LESS THAN 3 YEARS OF NAT SCI	7479	22	2.86	19.9	19.0
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	2887	9	- . -	22.1	21.7

TABLE 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	15080	37	3.52	21.4	21.7
ENG 9, ENG 10, ENG 11, ENG 12	19082	47	3.46	20.9	21.3
LESS THAN 4 YEARS OF ENGLISH	4156	10	3.32	19.3	20.0
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	2073	5	- . -	21.5	21.6
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	2335	6	3.62	24.2	24.3
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	4080	10	3.40	22.2	22.7
ALG 1, ALG 2, GEOM, TRIG	3876	10	3.22	20.6	21.5
ALG 1, ALG 2, GEOM, OTHER ADV MATH	4663	12	3.09	19.8	20.5
ALG 1, ALG 2, GEOM	6720	17	2.80	18.1	19.3
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	9050	22	3.54	23.4	23.6
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	1880	5	3.17	19.8	20.9
LESS THAN 3 YEARS OF MATH	5451	13	2.60	17.1	18.3
NO MATH COURSE/GRADE INFORMATION REPORTED	2336	6	- . -	20.6	21.4
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	642	2	3.55	24.4	23.4
US HIST, WORLD HIST, AM GOVT	1518	4	3.43	22.7	22.1
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	15976	40	3.52	22.4	21.6
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	14896	37	3.43	21.8	21.2
LESS THAN 3 YEARS OF SOC SCI	5137	13	3.30	20.8	20.2
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	2222	6	- . -	22.3	21.5
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	11101	27	3.49	22.3	22.6
BIOLOGY, CHEMISTRY, PHYSICS	3362	8	3.47	23.4	24.1
GEN SCIENCE, BIOLOGY, CHEMISTRY	12756	32	3.25	20.8	20.9
OTHER COMBINATIONS OF 3 YEARS NAT SCI	1073	3	3.25	20.6	20.7
LESS THAN 3 YEARS OF NAT SCI	9854	24	3.02	19.5	19.5
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	2245	6	- . -	21.1	21.5

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	701	19.5	33	52	1	2	1	1	1	1
ARCH & ENVIR DESIGN	1745	20.8	39	47	3	4	2	3	3	3
BUSINESS & MGMT	6341	20.5	32	52	13	12	8	8	10	10
BUSINESS & OFFICE	409	19.7	26	52	0	1	1	1	1	1
MARKETING & DISTRIBUTION	500	20.2	26	54	1	1	1	1	1	1
COMMUNICATION & COMM TEC	2259	21.1	36	48	3	3	4	4	4	4
COMMUNITY & PRSNL SVCS	2223	19.4	45	43	4	4	4	4	4	4
COMPUTER & INFO SCI	1792	22.4	38	50	6	6	1	1	3	3
CROSS-DISC STUDIES	58	23.3	16	43	0	0	0	0	0	0
EDUCATION	3840	21.1	45	44	3	3	9	9	6	6
TEACHER EDUCATION	2384	20.5	43	46	3	4	4	5	4	4
ENGINEERING	3735	22.5	35	51	11	10	2	2	6	5
ENGINEERING-RELATED TECH	2224	22.0	34	53	7	7	1	1	4	4
FOREIGN LANGUAGES	335	24.0	36	43	0	0	1	0	1	0
HEALTH SCI & ALLIED HLTH	11890	21.2	49	42	10	10	26	27	19	20
HUMAN, FAMILY/CONS SCI	706	18.9	40	44	1	1	2	2	1	1
LETTERS	525	24.5	32	51	1	1	1	1	1	1
MATHEMATICS	273	24.4	32	48	1	0	0	0	0	0
PHILOS, RELIG & THEOL	442	22.4	44	39	1	1	1	0	1	1
SCI (BIOL & PHYSICAL)	2711	23.7	33	52	4	4	4	3	4	4
SOCIAL SCIENCES	4676	22.2	39	48	5	5	9	9	7	7
TRADE & INDUSTRIAL	1000	19.0	44	46	3	4	0	0	2	2
VISUAL & PERFORM ARTS	4114	21.3	46	42	6	7	7	7	7	7
UNDECIDED	7908	21.8	7	14	14	13	12	10	13	11
NO RESPONSE	11516									

NUMBER OF STUDENTS - 74307



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	7743	18.6	10	AFRICAN-AMER/BLACK	8216	17.0	11
COLL PREP	40844	22.7	55	AM INDIAN,ALASKAN NTV	440	20.2	1
OTHER/GENERAL/NO RESP	25720	20.3	35	CAUCASIAN-AMER/WHITE	54397	22.1	73
REQUEST ASSISTANCE WITH				MEXICAN-AMER/CHICANO	1155	19.7	2
ED/OCCUP PLANS	29494	21.6	40	ASIAN-AMER,PACIFIC ISL	2100	23.0	3
EXPR IDEAS IN WRITING	13183	19.8	18	PUERTO RICAN,HISPANIC	523	19.9	1
READING/COMPREHENSION	16583	19.5	22	OTHER	1612	19.7	2
STUDY SKILLS	27994	19.8	38	MULTIRACIAL	1321	20.6	2
MATH SKILLS	25416	19.3	34	PREFER NOT TO RESPOND	2469	22.7	3
PERSONAL CONCERNS	6055	19.5	8	NO RESPONSE	2074	22.3	3
EXPRESSED FIN NEED				ESTIMATED FAMILY INCOME			
NEED FINANCIAL AID	57805	21.3	78	LESS THAN \$18,000	4636	18.4	6
NEED TO FIND WORK	51908	21.1	70	ABOUT \$18,000-\$24,000	3528	18.9	5
SPECIAL COLLEGE PROG				ABOUT \$24,000-\$30,000	3642	19.6	5
INDEP STUDY	26693	21.9	36	ABOUT \$30,000-\$36,000	3584	20.1	5
HONORS COURSES	20771	23.8	28	ABOUT \$36,000-\$42,000	4097	20.5	6
ADV PLACEMENT IN COLL				ABOUT \$42,000-\$50,000	5421	21.1	7
ENGLISH	19427	22.9	26	ABOUT \$50,000-\$60,000	6974	21.4	9
MATH	17131	23.7	23	ABOUT \$60,000-\$80,000	10907	22.0	15
SOCIAL STUDIES	15744	23.0	21	ABOUT \$80,000-\$100,000	8015	22.6	11
NATURAL SCIENCE	14682	23.3	20	MORE THAN \$100,000	9949	23.5	13
FOREIGN LANG	13437	22.9	18	NO RESPONSE	13554	21.9	18
MAX YEARLY COLL TUITION				HS CLASS RANK			
\$1000 & UNDER	1649	16.9	2	TOP QTR	29145	24.0	39
\$1001 - \$2000	2024	18.0	3	2ND QTR	24857	20.0	33
\$2001 - \$4000	5459	19.2	7	3RD QTR	10595	18.1	14
\$4001 - \$7500	12026	20.8	16	4TH QTR	1231	17.0	2
\$7501 & OVER	4477	21.6	6	NO RESPONSE	8479	21.6	11
NO PREFERENCE	39585	22.1	53	EDUC DEG ASPIRATION			
NO RESPONSE	9087	22.1	12	VOC-TECH	629	17.5	1
MOST RECENTLY TESTED				2YR COL DEGREE	2725	17.9	4
SOPHOMORE	311	21.9	0	BACHELORS DEGREE	28717	20.6	39
JUNIOR	35485	22.4	48	GRAD STUDY	14539	22.8	20
SENIOR	34703	20.3	47	PROF LEVEL DEGREE	19708	22.4	27
OTHER/NO RESPONSE	3808	23.0	5	OTHER	1782	18.6	2
COLLEGE CORE PREPARATION				NO RESPONSE	6207	21.6	8
CORE OR MORE	39706	22.6	53	NUMBER OF STUDENTS			
LESS THAN CORE	29963	19.9	40	HOME SCHOOLED	543	23.0	1
NO RESPONSE	4638	21.7	6	EARNED A GED	67	18.9	0
				ALL STUDENTS	74307	21.4	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	
2032 MICHIGAN STATE UNIV	MI	23999	8260	15739	1	6	20	33	28	12	1	
1972 CENTRAL MICHIGAN U	MI	16763	4109	12654	1	8	29	37	20	5	0	
2066 WESTERN MICHIGAN U	MI	15130	3065	12065	1	6	27	37	22	7	0	
2062 U OF MICH-ANN ARBOR	MI	15097	5366	9731	0	3	13	25	33	23	3	
2005 GRAND VALLEY STATE U	MI	14588	4108	10480	1	6	25	37	23	7	0	
1994 FERRIS STATE UNIV	MI	9354	2570	6784	1	11	34	33	16	4	0	
1990 EASTERN MICHIGAN U	MI	9196	2321	6875	2	13	33	31	16	5	0	
2064 WAYNE STATE UNIV	MI	7881	2059	5822	3	17	32	28	15	5	0	
2033 OAKLAND UNIVERSITY	MI	6811	1746	5065	2	10	30	33	19	5	0	
2057 SAGINAW VALLEY ST U	MI	4534	1088	3446	1	11	35	33	16	4	0	
2038 NORTHERN MICHIGAN U	MI	3848	1180	2668	1	8	27	34	22	7	0	
2030 MICHIGAN TECH UNIV	MI	3478	1002	2476	0	4	16	29	30	18	2	
2074 U OF MICH-DEARBORN	MI	3324	702	2622	1	8	26	33	23	8	0	
2004 GRAND RAPIDS C C	MI	3240	1168	2072	2	12	36	33	14	4	0	
2076 MI HIGHER ED ASST AU	MI	3056	1491	1565	1	8	21	30	24	14	2	
2012 HOPE COLLEGE	MI	2269	536	1733	0	3	15	31	32	16	2	
2063 U OF MICH-FLINT	MI	2066	486	1580	1	9	29	34	20	6	0	
2031 LAKE SUPERIOR STATE	MI	1809	455	1354	1	9	29	36	19	6	0	
2019 LANSING COMM COLL	MI	1718	542	1176	1	11	37	33	15	3	0	
2020 LAWRENCE TECH UNIV	MI	1686	459	1227	1	9	23	34	22	9	1	
2054 MACOMB COMM COLL	MI	1680	535	1145	3	16	39	29	11	2	0	
2060 UNIV DETROIT MERCY	MI	1654	299	1355	5	16	30	28	16	5	0	
2043 OAKLAND CC	MI	1653	393	1260	4	15	39	28	11	2	0	
1968 CALVIN COLLEGE	MI	1492	507	985	1	3	15	28	33	17	3	
1966 DELTA COLLEGE	MI	1486	556	930	1	12	39	32	12	4	0	
1956 ALBION COLLEGE	MI	1477	368	1109	1	3	17	30	32	16	1	
1998 KETTERING UNIVERSITY	MI	1372	427	945	1	4	17	28	30	18	2	
2006 HENRY FORD COMM COLL	MI	1352	318	1034	5	22	42	25	6	1	0	
1958 ALMA COLLEGE	MI	1288	303	985	1	5	23	33	27	11	1	
2070 SCHOOLCRAFT COLLEGE	MI	1255	394	861	3	14	40	29	12	2	0	
2002 CORNERSTONE UNIV	MI	1142	288	854	1	5	22	36	25	11	1	
2041 NORTHWOOD UNIV-MI	MI	1141	290	851	2	13	36	32	13	3	0	
2016 KALAMAZOO VALLEY CC	MI	1137	296	841	2	12	38	32	13	3	0	
2040 NORTHWESTERN MI COLL	MI	1113	301	812	2	11	34	34	15	5	0	
1954 ADRIAN COLLEGE	MI	1083	258	825	2	12	33	30	17	5	0	
ALL OTHER INSTITUTIONS		65674	15496	50178	2	11	26	26	20	13	2	
TOTALS		235846	63742	172104	2	9	26	31	21	10	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	( 701)	(19.5)	BUSINESS & OFFICE	( 409)	(19.7)
AGRICULTURAL BUSINESS	23	19.1	BOOKKEEPING/ACCT TECH	61	20.2
AGRICULTURAL ECONOMICS	1	14.0	BUSINESS DP/COMPUTER OPER	15	19.1
AGRICULTURAL MECHANICS	4	14.0	COURT REPORTING	9	16.6
AGRI PRODUCTION/TECH	6	21.8	OFFICE SUPERVISION & MGMT	17	20.5
AGRONOMY	7	21.4	SECRETARIAL	33	18.1
ANIMAL SCIENCES	74	20.9	TYPING & GENERAL OFFICE	7	18.4
FARM & RANCH MANAGEMENT	30	19.4	WORD PROCESSING	1	19.0
FISH, GAME, WILDLIFE MGMT	118	19.6	BUSINESS & OFFICE, GEN	266	19.9
FOOD SCIENCES/ENGINEERING	10	20.8			
FORESTRY & RELATED SCI	28	20.9	MARKETING & DISTRIBUTION	( 500)	(20.2)
HORTICULTURE/ORNMENTAL HORT	26	19.2	FASHION MERCHANDISING	90	18.7
NATURAL RESOURCES MGMT	15	20.7	RETAILING & SALES	29	18.9
AGRICULTURE & AG TECH, GEN	359	19.1	TRAVEL SERVICES & TOURISM	15	18.1
			MARKETING & DISTRIB, GEN	366	20.7
ARCH & ENVIR DESIGN	( 1745)	(20.8)			
ARCHITECTURAL DRAFTING	327	20.4	COMMUNICATIONS & COMM TECH	( 2259)	(21.1)
ARCHITECTURE	265	22.1	ADVERTISING	139	21.0
BLDG CON/CONSTRUCTION SCI	72	18.5	GRAPHIC/COMMERCIAL ART	141	20.5
CITY, COMM & REG PLANNING	9	18.7	GRAPHIC & PRINT COMMUNIC	24	19.0
ENVIRONMENTAL DESIGN	8	20.3	JOURNALISM	490	22.2
INTERIOR DESIGN	277	20.1	PHOTO/FILM/VIDEO TECH	112	20.0
LANDSCAPE ARCHITECTURE	50	19.9	PUBLIC RELATIONS	67	21.5
ARCHI & ENVIR DESIGN, GEN	737	21.0	RADIO/TV BROADCASTING	273	19.6
			RADIO/TV PRODUCTN & TECH	40	20.4
BUSINESS & MGMT	( 6341)	(20.5)	COMMUNIC & COMM TECH, GEN	973	21.3
ACCOUNTING	555	20.8			
BANKING & FINANCE	124	21.5	COMMNTY & PRSNL SVCS	( 2223)	(19.4)
BUSINESS ADMIN & MGMT	794	20.1	CORRECTIONS	13	16.5
BUSINESS ECONOMICS	93	21.5	COSMETOLOGY/HAIRSTYLING	123	17.2
CONTRACT MGMT & PURCHSING	8	17.8	CRIMINAL JUSTICE/CRIMINOL	704	19.4
HOTEL/RESTAURANT MGMT	135	19.3	FIRE PROTECTN/SAFETY TECH	56	19.6
HUMAN RESOURCE DEVEL/TRNG	14	17.7	FUNERAL SVCS/MORTUARY SCI	17	17.9
INSTITUTIONAL MANAGEMENT	2	13.5	LAW ENFORCEMENT & ADMIN	342	19.1
INSURANCE & RISK MGMT	6	20.2	LIBRARY SCI/LIB ASSISTING	17	24.8
INTERNATL BUSINESS/MGMT	155	22.8	MILITARY SCIENCE/TECH	34	22.3
LABOR/INDUSTRL RELATIONS	2	21.5	PARKS & RECREATION	14	20.6
MANAGEMENT INFO SYSTEMS	11	19.4	PUBLIC ADMINISTRATION	4	25.8
MANAGEMENT SCIENCE	7	20.0	PUBLIC AFFAIRS	9	19.2
MARKETING MGMT & RESEARCH	150	20.3	SOCIAL WORK	192	19.9
ORGANIZATIONAL BEHAVIOR	4	15.3	COMMNTY & PRSNL SVCS, GEN	698	19.5
PERSONNEL MANAGEMENT	16	20.6			
REAL ESTATE	95	18.2			
SML BUSINESS MGMT/OWNRSHIP	348	19.2			
TRADE & INDUSTRIAL MGMT	6	21.3			
TRANSPORTATION MANAGEMENT	2	19.0			
BUSINESS & MGMT, GEN	3814	20.6			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
COMPUTER & INFO SCI	( 1792)	(22.4)	ENGINEERING	( 3735)	(22.5)
COMPUTER PROGRAMMING	640	21.9	AEROSPACE ENGINEERING	219	25.7
COMPUTER SCIENCE	298	23.5	AGRICULTURAL ENGINEERING	20	21.1
DATA PROCESSING	11	18.6	ARCHITECTURAL ENGINEERING	44	20.4
INFO SCIENCES & SYSTEMS	39	21.6	BIOENGINEER & BIOMED ENG	90	26.8
MATH/COMPUTER SCIENCE	34	25.7	CERAMIC ENGINEERING	2	20.0
COMPUTER & INFO SCI, GEN	770	22.4	CHEMICAL ENGINEERING	166	25.8
CROSS-DISC STUDIES	( 58)	(23.3)	CIVIL ENGINEERING	87	23.3
AREA & ETHNIC STUDIES	4	22.5	COMPUTER ENGINEERING	241	20.9
LIBERAL ARTS/GEN STUDIES	33	23.3	CONSTRUCTION ENG/MGMT	50	19.7
MULTI-/INTERDISC STUDIES	5	26.8	ELECTRCL & ELECTRONIC ENG	240	20.6
CROSS-DISC STUDIES, GEN	16	22.6	ENGINEERING MANAGEMENT	8	20.6
EDUCATION	( 3840)	(21.1)	ENGINEERING PHYSICS	23	25.0
ADULT & CONTINUING EDUC	10	19.7	ENGINEERING SCIENCE	12	22.8
EDUCATION ADMINISTRATION	18	20.1	ENVIRONMENTAL HEALTH ENG	10	23.7
ELEMENTARY EDUCATION	1136	20.4	GEOLOGICAL & GEOPHYS ENG	0	0.0
JR HIGH/MIDDLE SCH EDUC	181	20.5	INDUSTRIAL ENGINEERING	35	21.5
PRE-ELEMENTARY EDUCATION	146	18.5	MATERIALS ENGINEERING	8	23.1
SECONDARY EDUCATION	537	22.9	MECHANICAL ENGINEERING	582	21.8
STUDENT COUNSELING	41	19.9	METALLURGICAL ENGINEERING	8	17.9
TEACHER AIDE	1	22.0	MINING & MINERAL ENG	1	20.0
EDUCATION, GENERAL	1770	21.2	NAVAL ARCHIT & MARINE ENG	8	24.0
TEACHER EDUCATION	( 2384)	(20.5)	NUCLEAR ENGINEERING	22	26.0
AGRICULTURAL EDUCATION	2	23.0	OCEAN ENGINEERING	1	17.0
ART EDUCATION	69	19.7	PETROLEUM ENGINEERING	1	23.0
BUSINESS EDUCATION	7	19.3	SYSTEMS ENGINEERING	2	16.5
ENGLISH EDUCATION	208	21.9	ENGINEERING, GENERAL	1855	22.3
FOREIGN LANGUAGES EDUC	32	21.5	ENGINEERING-RELATED TECH	( 2224)	(22.0)
HEALTH EDUCATION	16	19.6	AERONAUTICAL TECHNOLOGY	116	23.9
HUMAN, FAM/CONS SCI EDUC	4	16.3	AC, HEATING, REFRIG TECH	9	17.0
INDUSTRIAL ARTS EDUCATION	0	0.0	ARCHITECTURAL DESIGN TECH	69	21.9
MATHEMATICS EDUCATION	137	21.4	BIOMEDICAL EQUIPMENT TECH	12	25.9
MUSIC EDUCATION	203	22.0	CIVIL ENGINEERING TECH	49	22.6
PHYSICAL EDUCATION	178	17.8	COMPUTER ENGINEERING TECH	200	21.4
SCIENCE EDUCATION	47	22.1	CONSTRUCTION/BLDG TECH	42	18.5
SOC STUDIES/SOC SCI EDUC	116	21.8	DRAFTING & DESIGN TECH	135	20.5
SPECIAL EDUCATION	114	19.3	ELECTRICAL ENG TECHNOLOGY	132	20.7
SPEECH CORRECTION EDUC	8	20.1	ELECTRONIC ENG TECHNOLOGY	53	19.4
TEACHING ENGL AS 2ND LANG	4	16.8	ELECTROMECHAN INSTR TECH	4	22.3
TECH/TRADE & IND ED	11	19.6	ENVIRONMENTAL CONTRL TECH	3	26.3
TEACHER EDUCATION, OTHER	61	19.0	INDUSTRRL PRODUCTION TECH	7	20.3
TEACHER EDUCATION, GEN	1167	20.5			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
LASER/FIBER-OPTIC TECH	3	16.3	HUMAN, FAMILY/CONS SCI	( 706)	(18.9)
MANUFACTURING TECHNOLOGY	24	19.9	CHILD DEV, CARE, GUIDANCE	98	17.3
MECHANICAL ENG TECH	290	22.1	CHILD CARE AIDE/ASSISTING	20	16.4
MINING & PETROLEUM TECH	0	0.0	CULINARY ARTS	177	18.9
OCCUPATL SFTY & HLTH TECH	1	16.0	FAMILY/CONS RESOURCE MGMT	8	17.0
SURVEYING & MAPPING TECH	6	21.8	FASHION DESIGN	69	18.4
ENGINEERING TECH, OTHER	60	21.6	FOOD PRODUCTN, MGMT, SVCS	26	18.9
ENGINEER-RELATD TECH, GEN	1009	22.6	FOOD SCI & NUTR/DIETETICS	23	21.6
			HUMAN ENVIRON & HOUSING	1	22.0
FOREIGN LANGUAGES	( 335)	(24.0)	INDIVIDUAL & FAMILY DEVEL	10	20.7
ASIATIC LANGUAGES	38	23.4	TEXTILES AND CLOTHING	6	17.5
CLASSICAL LANGUAGES	7	22.4	HUMAN, FAM/CONS SCI, GEN	268	19.7
FRENCH	33	25.4			
GERMAN	23	22.5	LETTERS	( 525)	(24.5)
ITALIAN	4	22.0	CLASSICS	5	31.0
MIDDLE EASTERN LANGUAGES	2	17.0	COMPARATIVE LITERATURE	2	27.5
RUSSIAN	6	24.3	CREATIVE WRITING	205	23.9
SPANISH	107	23.2	ENGLISH, GENERAL	157	24.9
FOREIGN LANGUAGES, OTHER	12	24.0	LINGUISTICS	10	26.1
FOREIGN LANGUAGES, GEN	103	25.0	LITERATURE, ENGLISH/AMER	44	25.2
			SPEECH & RHETORICAL STUDY	2	20.5
HEALTH SCI & ALLIED HLTH	( 11890)	(21.2)	LETTERS, GENERAL	100	24.2
CHIROPRACTIC	83	20.6			
DENTAL ASSISTING	21	16.6	MATHEMATICS	( 273)	(24.4)
DENTAL HYGIENE	190	18.3	ACTUARIAL SCIENCES	10	26.6
DENTAL LAB/TECHNOLOGY	9	18.6	APPLIED MATHEMATICS	19	25.3
DENTISTRY	373	21.8	STATISTICS	11	23.8
EMERG MED TECH/PARAMEDIC	70	18.0	MATHEMATICS, GENERAL	233	24.2
HEALTH CARE ADMIN	44	20.5			
MEDICAL/SURG ASSISTING	175	18.8	PHILOS, RELIG & THEOLOGY	( 442)	(22.4)
MEDICAL LAB/TECHNOLOGY	62	21.3	BIBLE STUDIES	41	21.8
MED RECORDS ADMIN/TECH	26	19.4	PHILOSOPHY	39	24.7
MEDICINE	1868	23.6	RELIGION	52	22.4
MNTL HLTH & HUM SVCS/TECH	69	20.8	RELIGIOUS EDUCATION	52	20.8
NUCLEAR MEDICINE TECH	33	21.7	RELIGIOUS MUSIC	12	20.2
NURSING (PRACTICAL)	210	17.4	THEOLOGY	46	22.2
NURSING (REGISTERED)	1555	19.4	PHILOS, RELIG & THEOL, GEN	200	22.7
OCCUPATNL THERAPY/ASSIST	67	19.3			
OPTOMETRY	98	22.4			
PHARMACY	482	22.2			
PHYSICIAN ASSISTING	98	20.7			
PHYSICAL THERAPY/ASSIST	757	20.8			
RADIOLOGY/RADIOLOGIC TECH	170	19.7			
REC/ART/MUSIC THERAPY	21	21.4			
RESPIRATORY THERAPY/TECH	10	19.4			
SPEECH PATHOL/AUDIOLOGY	27	22.2			
VETERINARIAN ASSISTING	86	18.3			
VETERINARY MEDICINE	483	22.1			
HEALTH SCI & ALLIED, GEN	4803	21.2			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
SCIENCES (BIOL & PHYSICAL) (	2711)	(23.7)	VISUAL/PERFORM ARTS	( 4114)	(21.3)
ASTRONOMY	70	23.0	APPLIED DESIGN/CRAFTS	33	21.7
ATMOSPHER SCI & METEOROL	55	22.3	ART	307	20.9
BIOCHEMISTRY & BIOPHYSICS	165	26.0	ART HIST & APPRECIATION	16	24.5
BIOLOGY	610	23.4	CINEMATOGRAPHY/FILM/VIDEO	260	22.2
BOTANY	13	21.7	DANCE	115	18.9
CHEMISTRY	281	24.8	DESIGN, GENERAL	181	21.0
EARTH SCIENCE	24	20.9	DRAMA/THEATRE ARTS	323	21.8
ECOLOGY/ENV STUDIES	56	22.9	FINE ARTS, GENERAL	110	22.6
GEOLOGY	17	22.8	GRAPHIC ARTS TECHNOLOGY	104	21.4
MICROBIOLOGY	56	24.8	GRAPHIC DESIGN	265	20.9
OCEANOGRAPHY	72	21.0	MUSIC (LIBERAL ARTS)	135	22.9
PHYSICS	99	27.5	MUSIC PERFORMANCE	442	22.0
ZOOLOGY	204	21.8	MUSIC THEORY & COMPOSIT	126	22.7
SCIENCES (BIO & PHYS), GEN	989	23.6	PHOTOGRAPHY	202	19.7
			VISUAL/PERFORM ARTS, GEN	1495	20.9
SOCIAL SCIENCES (	4676)	(22.2)	UNDECIDED	( 7908)	(21.8)
ANTHROPOLOGY	65	24.2			
ECONOMICS	21	25.7			
GEOGRAPHY	4	22.8			
HISTORY	274	23.9			
INTERNATIONAL RELATIONS	78	26.8			
LAW	1000	21.6			
PARALEGAL/LEGAL ASSISTING	40	18.8			
POLITICAL SCI/GOVERNMENT	307	24.7			
PSYCHOLOGY	1550	21.5			
SOCIOLOGY	72	20.6			
URBAN STUDIES	9	21.7			
SOCIAL SCIENCES, GENERAL	1256	22.2			
TRADE & INDUSTRIAL (	1000)	(19.0)			
AIRCRAFT TECHNICIAN	10	20.0			
AIRPLANE PILOTING & NAVIG	117	21.9			
AUTOMOTIVE BODY REPAIR	60	17.5			
AUTOMOTIVE TECHNOLOGY	192	19.2			
AVIATION MANAGEMENT	1	28.0			
COMPUTER ELECTRNCS/REPAIR	17	19.9			
CONSTRCT TRADES & CARPENT	79	17.9			
DIESEL MECHANICS & TECH	36	18.6			
DRAFTING	20	19.8			
ELECTRICAL EQUIP REPAIR	35	18.6			
HEATING, AC, REFRIG MECH	12	17.4			
MACHINE TECHNOLOGY	12	18.2			
MECHANICAL DRAFTING	7	20.4			
WELDING & WELDING TECH	32	17.9			
TRADE & INDUSTRIAL, GEN	370	18.5			

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)	206	17.4	71	18.1	131	17.0	47	18.5	159	17.1
BUSINESS OPER (04-05)	395	17.8	104	18.6	282	17.5	228	17.7	167	18.0
TECHNICAL (06-07)	840	17.9	225	19.0	598	17.5	616	18.0	218	17.9
SCIENCE & TECH (08-09)	528	18.5	151	19.6	368	18.0	286	18.8	240	18.1
ARTS (10-11)	267	18.2	87	19.1	175	17.7	88	18.1	179	18.2
SOCIAL SERVICE (12-01)	216	17.6	64	18.7	150	17.2	51	17.5	164	17.7
OTHER*	902	17.4	233	18.1	624	17.2	393	17.6	503	17.3
TOTAL	3354	17.8	935	18.8	2328	17.5	1709	18.0	1630	17.7
<u>PLAN ON 4-YEARS OR MORE OF COLLEGE</u>										
ADMIN & SALES (02-03)	6617	21.0	3929	21.9	2592	19.7	2424	21.5	4161	20.7
BUSINESS OPER (04-05)	5279	21.1	2943	22.2	2263	19.6	2798	21.0	2459	21.1
TECHNICAL (06-07)	7748	21.4	4493	22.5	3126	19.9	5150	21.5	2553	21.2
SCIENCE & TECH (08-09)	10676	22.7	6487	23.7	3999	21.2	5222	23.0	5411	22.4
ARTS (10-11)	7406	22.5	4377	23.4	2907	21.0	2256	22.7	5119	22.3
SOCIAL SERVICE (12-01)	6841	21.4	3869	22.5	2862	19.9	1886	21.6	4923	21.3
OTHER*	18397	21.5	10160	22.5	7237	20.0	8245	21.8	10037	21.3
TOTAL	62964	21.7	36258	22.7	24986	20.2	27981	21.9	34663	21.5

\* 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 GRADE AVERAGES				HS GPA AVG	HS GPA SD
		ENGLISH	MATH	SOCIAL STUDIES	NATURAL SCIENCE		
MALE	27297	3.22	3.10	3.34	3.18	3.21	0.61
FEMALE	34905	3.47	3.18	3.46	3.29	3.35	0.55
NO RESPONSE	270	3.31	3.13	3.41	3.23	3.26	0.56
AFRICAN-AMERICAN/BLACK	7056	2.98	2.72	3.05	2.85	2.91	0.58
CAUCASIAN-AMERICAN/WHITE	46171	3.41	3.20	3.46	3.29	3.34	0.56
OTHER MINORITY	4860	3.39	3.22	3.41	3.26	3.32	0.58
MISSING/PREFER NO RESP	4385	3.36	3.15	3.41	3.24	3.30	0.58
TOTAL	62472	3.36	3.15	3.41	3.24	3.29	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 53, THIS MEANS THAT 53% 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 45 PERCENT OF STUDENTS SCORED BELOW 21.

TABLE 4 EXAMPLE

STD SCORE	ACT COMPOSITE	
	FREQ	CP
36	18	99
35	135	99
34	252	99
33	453	99
32	691	99
31	1050	98
30	1491	97
29	1893	94
28	2542	92
27	2987	89
26	3620	85
25	4428	80
24	4885	74
23	5180	67
22	5610	60
21	5935	53 <-- 53% OF THE STUDENTS SCORE AT OR BELOW 21
20	5976	45 <-- 45% OF THE STUDENTS SCORE BELOW 21
19	5590	37
18	5316	29
17	4638	22
16	3850	16
15	3057	10
14	2195	6
13	1380	3
12	765	2
11	277	1
10	72	1
9	14	1
8	4	1
7	2	1
6	1	1
5	0	1
4	0	1
3	0	1
2	0	1
1	0	1

