

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

**STATE COMPOSITE FOR  
TENNESSEE**

**CODE 430-000**



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	26834	15904	61/ 36	21.0/18.0	20.1/17.7	21.4/18.8	20.7/18.6	20.9/18.4
2001-02	26672	16159	60/ 36	21.2/18.1	20.1/17.8	21.4/18.9	20.6/18.6	21.0/18.5
2002-03	26452	14667	62/ 34	21.5/18.5	20.4/18.0	21.6/19.2	20.9/18.8	21.2/18.8
2003-04	26244	14519	62/ 34	21.6/18.8	20.5/18.3	21.7/19.5	20.9/19.1	21.3/19.1
2004-05	27013	14872	61/ 34	21.5/18.9	20.4/18.4	21.6/19.4	20.8/19.1	21.2/19.1

EXECUTIVE SUMMARY - AVERAGE ACT SCORES FOR TOTAL GROUP

	NUMBER	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
2000-01	43949	19.9	19.2	20.4	19.9	20.0
2001-02	44307	20.0	19.3	20.5	19.9	20.0
2002-03	42729	20.5	19.6	20.8	20.2	20.4
2003-04	42662	20.6	19.7	21.0	20.3	20.5
2004-05	43974	20.6	19.7	20.8	20.2	20.5

EXECUTIVE SUMMARY - ACT SCORE QUARTILE VALUES FOR TOTAL GROUP

	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
Q3 (75TH PERCENTILE)	24.6	23.1	24.8	23.0	23.6
Q2 (50TH PERCENTILE - MEDIAN)	20.4	18.5	20.3	20.1	20.1
Q1 (25TH PERCENTILE)	16.3	16.1	16.1	17.4	16.9

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 R ICAN, HISPANIC AVERAGE
CORE OR MORE	(N= 5005)	(N= 73)	(N= 19598)	(N= 183)	(N= 557)	(N= 247)
ENGLISH	17.4	20.5	22.6	20.1	22.1	19.9
USAGE/MECH	8.4	10.2	11.6	10.1	11.3	10.0
RHET SKILLS	8.9	10.5	11.5	10.3	11.3	10.2
MATHEMATICS	16.9	19.3	21.2	20.1	22.9	19.7
PRE/ELEM-ALG	8.4	10.2	11.4	10.5	12.2	10.3
ALG/CRD-GEOM	8.4	9.6	10.6	10.0	11.5	10.0
PLANE GEOM/TRIG	8.0	9.6	10.6	10.0	11.5	9.9
READING	17.4	21.2	22.7	20.4	22.0	20.7
SOC STU/SCI	8.7	10.7	11.5	10.1	11.2	10.5
ARTS/LITERATURE	8.6	10.9	11.7	10.5	11.1	10.6
SCIENCE	17.6	20.2	21.7	19.8	21.9	20.0
COMPOSITE	17.4	20.5	22.2	20.2	22.4	20.2
LESS THAN CORE	(N= 2408)	(N= 46)	(N= 11135)	(N= 113)	(N= 186)	(N= 150)
ENGLISH	15.1	19.0	19.7	17.5	19.3	17.7
USAGE/MECH	7.2	9.4	9.8	8.5	9.6	8.7
RHET SKILLS	7.7	9.7	10.1	9.0	9.8	9.0
MATHEMATICS	15.8	18.2	18.9	18.3	20.5	18.3
PRE/ELEM-ALG	7.5	9.3	9.8	9.3	10.7	9.2
ALG/CRD-GEOM	7.8	8.9	9.4	9.0	10.5	9.3
PLANE GEOM/TRIG	7.4	9.2	9.3	9.0	10.1	9.1
READING	15.8	19.0	20.2	18.2	19.5	18.4
SOC STU/SCI	8.0	9.9	10.2	9.2	9.8	9.3
ARTS/LITERATURE	7.5	9.3	10.2	9.0	9.8	9.2
SCIENCE	16.3	18.8	19.7	18.8	19.6	18.4
COMPOSITE	15.9	18.9	19.7	18.3	19.9	18.3
NO RESPONSE	(N= 173)	(N= 6)	(N= 1571)	(N= 15)	(N= 30)	(N= 24)

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= 7586)	(N= 125)	(N= 32304)	(N= 311)	(N= 773)	(N= 421)
ENGLISH	16.6	20.0	21.6	19.1	21.5	19.1
USAGE/MECH	8.0	10.0	11.0	9.4	10.9	9.6
RHET SKILLS	8.5	10.2	11.0	9.8	10.9	9.8
MATHEMATICS	16.5	19.0	20.4	19.3	22.4	19.3
PRE/ELEM-ALG	8.1	10.0	10.8	10.0	11.8	9.9
ALG/CRD-GEOM	8.2	9.4	10.2	9.6	11.3	9.8
PLANE GEOM/TRIG	7.8	9.5	10.1	9.5	11.2	9.7
READING	16.9	20.5	21.8	19.5	21.3	19.8
SOC STU/SCI	8.5	10.4	11.0	9.7	10.9	10.1
ARTS/LITERATURE	8.2	10.3	11.1	9.9	10.8	10.0
SCIENCE	17.2	19.7	20.9	19.4	21.4	19.4
COMPOSITE	16.9	19.9	21.3	19.4	21.8	19.6

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	925 20.4	29 21.5	10396 24.3	66 23.8	339 25.1	110 23.1
3.00 - 3.49	1833 17.9	46 20.0	8441 20.9	85 19.8	166 19.9	111 18.9
2.50 - 2.99	1924 16.5	20 19.5	5368 19.2	60 17.6	102 18.7	71 18.0
2.00 - 2.49	1436 15.4	11 17.9	2815 17.9	43 16.6	56 16.9	50 17.7
1.99 & BELOW	534 14.8	3 16.0	770 17.0	10 16.0	17 15.0	9 14.2
CGPA PRED BY STUDENT						
3.5 - 4.0	941 20.1	24 21.5	8570 24.7	60 23.8	285 25.5	97 22.9
3.0 - 3.4	2548 17.8	64 20.2	12564 21.1	116 20.1	248 20.5	169 19.3
2.5 - 2.9	2056 16.1	15 19.7	5742 18.9	66 17.8	108 18.4	65 17.8
2.0 - 2.4	1261 15.0	10 16.5	2446 17.3	34 15.5	55 16.6	40 16.2
1.9 & BELOW	359 14.3	4 17.3	543 16.6	9 15.7	11 14.9	13 13.8
HIGH SCHOOL RANK						
TOP QUARTER	1498 19.4	38 21.1	11868 24.0	86 22.9	318 24.9	124 23.0
2ND QUARTER	2900 16.9	47 19.9	10928 20.1	109 18.9	223 19.7	158 18.1
BOTTOM HALF	2560 15.5	27 18.1	5953 18.1	75 16.9	136 17.8	87 17.2



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	9397	21	5534	13	1685	4	175	0
	FEMALE	12126	28	7336	17	2685	6	230	1
	TOTAL	21579	49	12904	29	4389	10	408	1
NO. & VARIETY OF COURSE OFFERINGS	MALE	8423	19	4478	10	3659	8	219	0
	FEMALE	10651	24	5216	12	6242	14	255	1
	TOTAL	19121	43	9727	22	9929	23	477	1
GRADING PRACTICES & POLICIES	MALE	8125	18	5877	13	2524	6	248	1
	FEMALE	11217	26	7299	17	3552	8	288	1
	TOTAL	19382	44	13215	30	6101	14	542	1
NO. & KINDS OF TESTS GIVEN	MALE	7830	18	6834	16	1883	4	220	1
	FEMALE	10254	23	8929	20	2951	7	218	0
	TOTAL	18128	41	15810	36	4852	11	439	1
GUIDANCE SERV PROVIDED BY GUIDANCE OFFICE	MALE	8958	20	4467	10	2614	6	721	2
	FEMALE	11640	26	5261	12	4605	10	840	2
	TOTAL	20654	47	9761	22	7238	16	1564	4
SCHOOL RULES, REGULATIONS, & POLICIES	MALE	6307	14	5372	12	4714	11	360	1
	FEMALE	8237	19	6846	16	6885	16	362	1
	TOTAL	14577	33	12260	28	11634	26	723	2
LIBRARY OR LEARNING CENTER	MALE	8629	20	5577	13	2027	5	528	1
	FEMALE	11742	27	6962	16	2916	7	714	2
	TOTAL	20434	46	12567	29	4960	11	1245	3
LABORATORY FACILITIES	MALE	7455	17	5568	13	2890	7	851	2
	FEMALE	9393	21	7399	17	4168	9	1369	3
	TOTAL	16899	38	13006	30	7073	16	2225	5
PROVISIONS FOR SPECIAL HELP IN READING, MATH, ETC	MALE	6311	14	5178	12	1798	4	3468	8
	FEMALE	8520	19	6337	14	2880	7	4608	10
	TOTAL	14872	34	11549	26	4697	11	8093	18
PROVISIONS FOR ACADEMICALLY OUTSTANDING STU	MALE	8888	20	4764	11	1528	3	1581	4
	FEMALE	12465	28	5627	13	2530	6	1712	4
	TOTAL	21409	49	10420	24	4072	9	3305	8
ADEQUACY OF PROG IN CAREER EDUC & PLANNING	MALE	6662	15	6083	14	2663	6	1335	3
	FEMALE	8586	20	7365	17	4595	10	1742	4
	TOTAL	15294	35	13479	31	7285	17	3084	7

NUMBER OF STUDENTS - 43974

TABLE 4 ACT SCORE DISTRIBUTIONS, CUMULATIVE PERCENTAGES, AND AVERAGES FOR ALL STUDENTS (NUMBER OF STUDENTS = 43974)

STD SCORE	ACT ENGLISH		ACT MATHEMATICS		ACT READING		ACT SCIENCE		ACT COMPOSITE	
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP
36	57	99	38	99	230	99	85	99	8	99
35	260	99	125	99	338	99	130	99	59	99
34	591	99	181	99	623	99	168	99	111	99
33	454	98	152	99	597	97	100	99	199	99
32	533	97	237	99	524	96	250	99	307	99
31	729	96	331	98	738	95	216	98	490	98
30	677	94	340	98	985	93	185	98	661	97
29	1480	92	712	97	1137	91	558	97	888	96
28	1191	89	847	95	1258	88	673	96	1098	94
27	1299	86	1329	93	1629	85	883	95	1331	91
26	1800	83	1747	90	1883	82	1795	93	1690	88
25	2174	79	1539	86	1593	77	1707	89	2046	84
24	2343	74	2496	83	2440	74	2616	85	2293	80
23	2160	69	2200	77	2816	68	3147	79	2704	75
22	2834	64	1831	72	2238	62	3110	72	3139	68
21	3061	58	2228	68	2185	57	4561	64	3618	61
20	3157	51	2769	63	3609	52	4609	54	3295	53
19	2944	44	2963	57	2464	44	3891	44	3642	46
18	2557	37	3686	50	2186	38	4152	35	3463	37
17	2185	31	4796	41	2352	33	2884	25	3305	29
16	2215	26	5629	31	2781	28	2215	19	2961	22
15	2693	21	3943	18	1929	21	1959	14	2522	15
14	1814	15	2324	9	2948	17	1280	9	1975	9
13	1191	11	1110	3	1918	10	1126	6	1267	5
12	967	8	307	1	1548	6	700	4	657	2
11	843	6	77	1	694	2	454	2	190	1
10	704	4	25	1	168	1	312	1	45	1
9	415	2	8	1	97	1	135	1	6	1
8	436	1	2	1	29	1	51	1	2	1
7	166	1	2	1	10	1	11	1	0	1
6	34	1	0	1	13	1	8	1	1	1
5	7	1	0	1	9	1	1	1	1	1
4	2	1	0	1	3	1	1	1	0	1
3	1	1	0	1	0	1	0	1	0	1
2	0	1	0	1	2	1	0	1	0	1
1	0	1	0	1	0	1	1	1	0	1

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

33-36	1362	3	496	1	1788	4	483	1	377	1
28-32	4610	10	2467	6	4642	11	1882	4	3444	8
24-27	7616	17	7111	16	7545	17	7001	16	7360	17
20-23	11212	25	9028	21	10848	25	15427	35	12756	29
16-19	9901	23	17074	39	9783	22	13142	30	13371	30
13-15	5698	13	7377	17	6795	15	4365	10	5764	13
01-12	3575	8	421	1	2573	6	1674	4	902	2

AVG(SD) 20.6( 5.9) 19.7( 4.7) 20.8( 5.9) 20.2( 4.5) 20.5( 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 = 43974)

STD SCORE	USAGE/MECH		RHET SKILLS		SOC STU/SCI		ARTS/LIT		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	
18	1241	99	241	99	513	99	1352	99	18
17	1768	97	658	99	1947	99	1936	97	17
16	1798	93	1942	98	1815	94	2271	93	16
15	2578	89	2288	94	2320	90	2786	87	15
14	2459	83	3348	88	2521	85	1948	81	14
13	2946	78	3136	81	2808	79	3152	77	13
12	3533	71	4841	74	4652	73	5192	69	12
11	4438	63	4881	63	4127	62	3485	58	11
10	4463	53	5696	51	5262	53	3793	50	10
9	4021	43	5592	39	5233	41	3423	41	9
8	4310	33	4084	26	5044	29	3836	33	8
7	3513	24	2818	17	3179	18	3564	25	7
6	2852	16	1930	10	2238	10	3039	16	6
5	1843	9	1409	6	1221	5	2794	10	5
4	1356	5	767	3	576	2	940	3	4
3	590	2	290	1	350	1	325	1	3
2	246	1	53	1	132	1	135	1	2
1	19	1	0	1	36	1	3	1	1
AVERAGE		10.4		10.5		10.6		10.6	
S.D.		3.7		3.1		3.4		3.8	

STD SCORE	PRE/ELEM		ALG/CRD-GEOM		PLN GEOM/TRIG		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	
18	679	99	174	99	143	99	18
17	1055	98	324	99	235	99	17
16	1892	96	592	99	741	99	16
15	1956	92	932	98	1269	97	15
14	2750	87	2592	95	2151	95	14
13	3762	81	2037	90	3213	90	13
12	3161	72	5277	85	4144	82	12
11	4165	65	4835	73	3797	73	11
10	4653	56	6337	62	8657	64	10
9	3355	45	8275	47	5157	45	9
8	6782	38	4732	29	5079	33	8
7	5791	22	2923	18	4121	21	7
6	2580	9	2042	11	2434	12	6
5	848	3	1620	7	563	6	5
4	340	1	630	3	1372	5	4
3	142	1	518	1	248	2	3
2	55	1	22	1	497	1	2
1	8	1	112	1	153	1	1
AVERAGE		10.3		9.8		9.7	
S.D.		3.3		2.8		2.9	

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	19333	20.2	6.0	20.4	5.0	20.7	6.1	20.8	4.7	20.7	4.9
FEMALES	24469	20.9	5.9	19.2	4.4	21.0	5.8	19.8	4.2	20.3	4.6
NO RESPONSE	172	20.7	6.3	20.4	5.3	21.3	6.4	20.5	5.1	20.8	5.3

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	3	3	2	1	4	4	2	1	1	1	1	1
28-32	10	11	8	4	11	10	6	3	9	7	9	7
24-27	16	18	18	14	16	18	19	13	17	16	17	16
20-23	25	26	21	20	24	26	35	35	28	29	28	29
16-19	23	22	35	41	22	23	26	33	29	32	29	32
13-15	14	12	15	18	16	15	9	11	13	13	13	13
01-12	9	7	1	1	7	5	4	4	2	2	2	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	6825	17	23.1	152	11	284	8	5682	20	707	12
GOOD	15801	40	20.7	513	37	1184	34	11888	41	2216	37
AVERAGE	10611	27	19.0	413	30	1322	38	6890	24	1986	33
BELOW AVERAGE	2482	6	18.9	134	10	324	9	1529	5	495	8
VERY INADEQUATE	3002	8	19.3	149	11	321	9	2107	7	425	7
NO RESPONSE	1090	3	21.4	29	2	66	2	824	3	171	3
NO. OF STUDENTS	39811			1390		3501		28920		6000	

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	43974	20.6	5.9	19.7	4.7	20.8	5.9	20.2	4.5	20.5	4.7
COLLEGE CORE											
E4, M3, SS3, NS3	27013	21.5	5.8	20.4	4.7	21.6	5.9	20.8	4.4	21.2	4.7
In between	10808	19.3	5.6	18.6	4.2	19.7	5.7	19.3	4.3	19.3	4.4
E4, M2, SS2, NS2	4064	17.9	5.9	17.9	4.5	18.7	5.8	18.6	4.5	18.4	4.7
No Response	2089	21.0	6.2	20.3	5.1	21.3	6.2	20.6	4.6	20.9	5.0
HS GPA RANGES											
3.50 - 4.00	12499	24.9	5.2	23.1	4.7	24.6	5.6	23.1	4.2	24.0	4.3
3.00 - 3.49	11225	20.5	4.9	19.4	4.0	20.7	5.3	20.1	3.9	20.3	3.9
2.50 - 2.99	7965	18.3	4.8	17.7	3.3	18.8	4.9	18.6	3.7	18.5	3.5
2.00 - 2.49	4637	16.4	4.6	16.7	2.9	17.1	4.5	17.4	3.7	17.0	3.3
1.99 & below	1413	15.2	4.4	16.0	2.5	16.1	4.2	16.7	3.6	16.1	3.0

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	5416	12	3.27	21.7	21.3
ENG 9, ENG 10, ENG 11, ENG 12	34295	78	3.11	20.5	20.4
LESS THAN 4 YEARS OF ENGLISH	2129	5	2.97	19.3	19.6
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	2134	5	- . -	20.9	20.9
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	1519	3	3.47	24.2	24.4
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	2628	6	3.23	21.8	22.6
ALG 1, ALG 2, GEOM, TRIG	3156	7	3.08	20.2	21.1
ALG 1, ALG 2, GEOM, OTHER ADV MATH	6119	14	3.12	20.5	21.4
ALG 1, ALG 2, GEOM	16058	37	2.62	17.4	18.4
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	7011	16	3.46	23.8	24.1
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	1790	4	3.08	20.1	20.8
LESS THAN 3 YEARS OF MATH	3426	8	2.33	16.3	16.8
NO MATH COURSE/GRADE INFORMATION REPORTED	2267	5	- . -	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	218	0	3.40	24.4	23.2
US HIST, WORLD HIST, AM GOVT	676	2	3.22	20.6	20.1
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	14988	34	3.37	21.4	20.9
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	19876	45	3.29	20.7	20.4
LESS THAN 3 YEARS OF SOC SCI	5908	13	3.11	19.6	19.4
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	2308	5	- . -	21.3	20.9
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	8584	20	3.40	22.1	22.6
BIOLOGY, CHEMISTRY, PHYSICS	2264	5	3.45	24.1	24.9
GEN SCIENCE, BIOLOGY, CHEMISTRY	20304	46	3.08	19.8	20.0
OTHER COMBINATIONS OF 3 YEARS NAT SCI	619	1	3.04	19.6	19.8
LESS THAN 3 YEARS OF NAT SCI	9849	22	2.92	18.7	18.6
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	2354	5	- . -	20.7	20.9

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	2283	12	3.15	21.3	21.5
ENG 9, ENG 10, ENG 11, ENG 12	14654	76	2.98	20.1	20.6
LESS THAN 4 YEARS OF ENGLISH	1111	6	2.87	19.1	19.8
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	1285	7	- . -	20.5	20.8
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	776	4	3.45	25.2	24.8
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	969	5	3.15	22.8	22.9
ALG 1, ALG 2, GEOM, TRIG	1335	7	2.98	20.9	21.3
ALG 1, ALG 2, GEOM, OTHER ADV MATH	2274	12	3.03	21.2	21.6
ALG 1, ALG 2, GEOM	6589	34	2.54	17.9	18.4
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	3432	18	3.41	24.4	24.2
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	932	5	3.00	20.6	21.0
LESS THAN 3 YEARS OF MATH	1665	9	2.29	16.6	16.9
NO MATH COURSE/GRADE INFORMATION REPORTED	1361	7	- . -	20.5	20.8
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	97	1	3.22	23.5	23.0
US HIST, WORLD HIST, AM GOVT	344	2	3.14	20.6	20.3
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	6396	33	3.32	21.3	21.1
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	8271	43	3.22	20.5	20.6
LESS THAN 3 YEARS OF SOC SCI	2829	15	3.06	19.6	19.7
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	1396	7	- . -	21.1	20.9
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	4270	22	3.38	22.9	23.1
BIOLOGY, CHEMISTRY, PHYSICS	1123	6	3.41	25.0	25.4
GEN SCIENCE, BIOLOGY, CHEMISTRY	7818	40	2.98	20.2	20.0
OTHER COMBINATIONS OF 3 YEARS NAT SCI	348	2	3.00	20.3	20.1
LESS THAN 3 YEARS OF NAT SCI	4367	23	2.81	18.9	18.3
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	1407	7	- . -	21.0	20.9

STATE COMPOSITE FOR  
TENNESSEETABLE 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	3106	13	3.36	21.9	21.1
ENG 9, ENG 10, ENG 11, ENG 12	19550	80	3.22	20.8	20.2
LESS THAN 4 YEARS OF ENGLISH	1001	4	3.08	19.4	19.3
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	812	3	- . -	21.7	20.9
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	739	3	3.49	23.2	24.1
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	1652	7	3.28	21.2	22.5
ALG 1, ALG 2, GEOM, TRIG	1810	7	3.15	19.7	21.0
ALG 1, ALG 2, GEOM, OTHER ADV MATH	3831	16	3.18	20.0	21.3
ALG 1, ALG 2, GEOM	9425	39	2.67	17.1	18.4
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	3553	15	3.52	23.1	23.9
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	849	3	3.16	19.6	20.6
LESS THAN 3 YEARS OF MATH	1744	7	2.37	15.9	16.8
NO MATH COURSE/GRADE INFORMATION REPORTED	866	4	- . -	19.8	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	119	0	3.54	25.3	23.4
US HIST, WORLD HIST, AM GOVT	328	1	3.30	20.8	20.0
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	8548	35	3.41	21.6	20.8
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	11547	47	3.33	20.8	20.3
LESS THAN 3 YEARS OF SOC SCI	3053	12	3.16	19.7	19.2
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	874	4	- . -	21.7	21.0
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	4281	17	3.41	21.3	22.2
BIOLOGY, CHEMISTRY, PHYSICS	1139	5	3.49	23.1	24.4
GEN SCIENCE, BIOLOGY, CHEMISTRY	12431	51	3.15	19.5	20.0
OTHER COMBINATIONS OF 3 YEARS NAT SCI	266	1	3.09	18.7	19.3
LESS THAN 3 YEARS OF NAT SCI	5445	22	3.00	18.5	18.8
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	907	4	- . -	20.2	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	776	18.6	39	47	3	3	1	1	2	2
ARCH & ENVIR DESIGN	899	20.4	40	45	3	3	2	2	2	2
BUSINESS & MGMT	3780	19.9	36	50	12	11	8	7	10	9
BUSINESS & OFFICE	236	18.8	30	49	0	1	1	1	1	1
MARKETING & DISTRIBUTION	339	19.8	31	48	1	1	1	1	1	1
COMMUNICATION & COMM TEC	1177	21.0	38	47	3	3	3	4	3	3
COMMUNITY & PRSNL SVCS	1263	18.4	49	40	3	3	3	4	3	4
COMPUTER & INFO SCI	1185	20.4	43	48	6	6	1	1	3	3
CROSS-DISC STUDIES	34	24.7	12	29	0	0	0	0	0	0
EDUCATION	1662	20.0	51	38	2	2	6	6	4	5
TEACHER EDUCATION	1111	19.8	48	41	3	3	3	4	3	4
ENGINEERING	1724	21.8	35	51	9	8	1	1	5	4
ENGINEERING-RELATED TECH	795	21.2	32	54	4	5	0	0	2	2
FOREIGN LANGUAGES	190	23.5	42	39	0	0	1	0	0	0
HEALTH SCI & ALLIED HLTH	9508	20.0	54	38	12	13	34	35	25	26
HUMAN, FAMILY/CONS SCI	570	17.9	45	43	1	1	2	3	1	2
LETTERS	225	24.4	37	50	0	0	1	1	1	0
MATHEMATICS	169	23.6	23	54	1	0	0	0	0	0
PHILOS, RELIG & THEOL	331	22.2	47	39	1	1	1	1	1	1
SCI (BIOL & PHYSICAL)	1553	23.1	38	48	4	3	4	3	4	3
SOCIAL SCIENCES	2852	21.5	45	44	6	5	9	8	7	7
TRADE & INDUSTRIAL	553	18.0	53	36	3	4	0	0	1	2
VISUAL & PERFORM ARTS	2656	20.7	47	40	7	9	7	7	7	8
UNDECIDED	4682	20.6	8	15	15	14	11	9	12	11
NO RESPONSE	5704									

NUMBER OF STUDENTS - 43974



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	4891	17.1	11	AFRICAN-AMER/BLACK	7586	16.9	17
COLL PREP	28920	21.4	66	AM INDIAN,ALASKAN NTV	125	19.9	0
OTHER/GENERAL/NO RESP	10163	19.6	23	CAUCASIAN-AMER/WHITE	32304	21.3	73
REQUEST ASSISTANCE WITH				MEXICAN-AMER/CHICANO	311	19.4	1
ED/OCCUP PLANS	16550	20.5	38	ASIAN-AMER,PACIFIC ISL	773	21.8	2
EXPR IDEAS IN WRITING	9342	19.1	21	PUERTO RICAN,HISPANIC	421	19.6	1
READING/COMPREHENSION	10877	18.9	25	OTHER	508	18.4	1
STUDY SKILLS	17558	19.1	40	MULTIRACIAL	454	20.6	1
MATH SKILLS	16289	18.8	37	PREFER NOT TO RESPOND	924	21.9	2
PERSONAL CONCERNS	4129	18.5	9	NO RESPONSE	568	21.4	1
EXPRESSED FIN NEED				ESTIMATED FAMILY INCOME			
NEED FINANCIAL AID	34172	20.3	78	LESS THAN \$18,000	4448	17.8	10
NEED TO FIND WORK	27975	20.0	64	ABOUT \$18,000-\$24,000	3377	18.4	8
SPECIAL COLLEGE PROG				ABOUT \$24,000-\$30,000	3005	18.9	7
INDEP STUDY	15826	21.2	36	ABOUT \$30,000-\$36,000	2943	19.5	7
HONORS COURSES	13013	23.0	30	ABOUT \$36,000-\$42,000	3077	20.0	7
ADV PLACEMENT IN COLL				ABOUT \$42,000-\$50,000	3427	20.4	8
ENGLISH	11150	22.4	25	ABOUT \$50,000-\$60,000	3659	21.0	8
MATH	9499	22.7	22	ABOUT \$60,000-\$80,000	5136	21.6	12
SOCIAL STUDIES	9650	22.3	22	ABOUT \$80,000-\$100,000	3423	22.3	8
NATURAL SCIENCE	8361	22.4	19	MORE THAN \$100,000	4029	23.2	9
FOREIGN LANG	7409	22.0	17	NO RESPONSE	7450	20.9	17
MAX YEARLY COLL TUITION				HS CLASS RANK			
\$1000 & UNDER	1995	16.6	5	TOP QTR	14660	23.5	33
\$1001 - \$2000	2402	17.6	5	2ND QTR	15108	19.5	34
\$2001 - \$4000	5589	18.8	13	3RD QTR	8240	17.4	19
\$4001 - \$7500	6295	20.3	14	4TH QTR	1080	16.5	2
\$7501 & OVER	2166	21.3	5	NO RESPONSE	4886	20.6	11
NO PREFERENCE	20561	21.5	47	EDUC DEG ASPIRATION			
NO RESPONSE	4966	21.1	11	VOC-TECH	988	16.6	2
MOST RECENTLY TESTED				2YR COL DEGREE	2727	17.0	6
SOPHOMORE	343	21.1	1	BACHELORS DEGREE	15546	19.9	35
JUNIOR	9061	21.8	21	GRAD STUDY	7194	22.3	16
SENIOR	32240	20.0	73	PROF LEVEL DEGREE	12273	21.6	28
OTHER/NO RESPONSE	2330	21.5	5	OTHER	1621	18.0	4
COLLEGE CORE PREPARATION				NO RESPONSE	3625	20.5	8
CORE OR MORE	27013	21.2	61	NUMBER OF STUDENTS			
LESS THAN CORE	14872	19.1	34	HOME SCHOOLED	364	20.7	1
NO RESPONSE	2089	20.9	5	EARNED A GED	87	19.2	0
				ALL STUDENTS	43974	20.5	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
4026 U OF TN KNOXVILLE	TN	13239	4687	8552	1	7	25	35	22	9	1
3994 MIDDLE TENNESSEE ST	TN	11366	3624	7742	1	11	34	34	16	4	0
4022 U OF TN CHATTANOOGA	TN	5950	1416	4534	2	13	33	32	15	4	0
3992 UNIV OF MEMPHIS	TN	5266	1915	3351	3	19	34	27	13	4	0
4012 TENNESSEE TECH UNIV	TN	4513	1473	3040	1	9	31	32	19	7	0
3958 EAST TENNESSEE ST U	TN	4504	1423	3081	1	9	32	35	17	5	0
4032 U OF TN MARTIN	TN	4189	1143	3046	1	13	36	31	14	4	0
4010 TENNESSEE STATE UNIV	TN	3662	953	2709	5	31	42	18	4	1	0
3944 AUSTIN PEAY STATE U	TN	3469	1224	2245	2	12	36	33	13	4	0
4036 VANDERBILT UNIV	TN	3090	569	2521	1	6	17	26	27	21	3
3946 BELMONT UNIVERSITY	TN	2024	524	1500	1	7	24	35	23	10	1
3950 CARSON-NEWMAN COLL	TN	1683	395	1288	1	11	30	35	17	6	0
4028 WALTERS STATE C C	TN	1603	728	875	1	16	46	27	9	2	0
4030 U OF TN-MEMPHIS	TN	1556	273	1283	3	18	37	28	11	3	0
4011 SOUTHWEST TN COMM C	TN	1551	520	1031	8	33	38	17	4	0	0
4021 PELLISSIPPI ST TECH	TN	1446	499	947	2	13	40	32	11	2	0
4037 VOLUNTEER STATE CC	TN	1362	554	808	3	20	45	23	8	1	0
3956 LIPSCOMB UNIVERSITY	TN	1297	296	1001	1	8	25	32	22	10	1
3985 ROANE STATE CC	TN	1250	506	744	2	16	46	24	9	1	0
4041 CHATTANOOGA TECH C C	TN	1250	556	694	5	24	39	23	8	1	0
1562 WESTERN KENTUCKY U	KY	1193	268	925	1	11	31	36	14	5	0
3953 COLUMBIA STATE C C	TN	1090	472	618	2	17	46	26	8	1	0
3967 JACKSON STATE C C	TN	1037	412	625	3	22	44	24	6	1	0
2250 U OF MISSISSIPPI	MS	1036	275	761	2	5	22	34	27	10	0
0011 AUBURN UNIVERSITY	AL	1026	269	757	0	3	14	34	32	15	1
4020 UNION UNIVERSITY	TN	979	250	729	1	8	23	34	24	9	1
3988 MARYVILLE COLLEGE	TN	969	195	774	1	7	23	35	22	11	1
4003 MOTLOW STATE C C	TN	954	340	614	2	17	44	27	8	1	0
3954 CUMBERLAND UNIV	TN	920	196	724	2	14	38	31	12	2	0
4019 NORTHEAST ST TECH CC	TN	914	381	533	2	19	42	27	8	1	0
3983 NASHVILLE ST TECH	TN	892	242	650	6	29	42	19	4	1	0
4018 TUSCULUM COLLEGE	TN	886	162	724	1	14	40	30	12	3	0
4008 RHODES COLLEGE	TN	829	145	684	1	11	15	22	25	23	2
3952 CHRISTIAN BROTHERS U	TN	828	187	641	3	16	29	27	18	7	0
3974 LAMBUTH UNIVERSITY	TN	798	161	637	2	13	31	33	16	5	0
ALL OTHER INSTITUTIONS		44235	10333	33902	2	13	26	26	19	12	2
TOTALS		132856	37566	95290	2	13	30	29	17	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	( 776)	(18.6)	BUSINESS & OFFICE	( 236)	(18.8)
AGRICULTURAL BUSINESS	62	18.7	BOOKKEEPING/ACCT TECH	30	19.2
AGRICULTURAL ECONOMICS	7	17.9	BUSINESS DP/COMPUTER OPER	11	15.2
AGRICULTURAL MECHANICS	18	17.0	COURT REPORTING	4	18.8
AGRI PRODUCTION/TECH	1	21.0	OFFICE SUPERVISION & MGMT	14	16.6
AGRONOMY	7	22.1	SECRETARIAL	21	17.8
ANIMAL SCIENCES	95	20.5	TYPING & GENERAL OFFICE	9	16.2
FARM & RANCH MANAGEMENT	14	21.7	WORD PROCESSING	3	17.3
FISH, GAME, WILDLIFE MGMT	154	18.4	BUSINESS & OFFICE, GEN	144	19.6
FOOD SCIENCES/ENGINEERING	6	21.3			
FORESTRY & RELATED SCI	25	20.5	MARKETING & DISTRIBUTION	( 339)	(19.8)
HORTICULTURE/ORNMENTAL HORT	21	19.0	FASHION MERCHANDISING	93	18.8
NATURAL RESOURCES MGMT	8	22.8	RETAILING & SALES	33	18.5
AGRICULTURE & AG TECH, GEN	358	17.8	TRAVEL SERVICES & TOURISM	4	22.0
			MARKETING & DISTRIB, GEN	209	20.4
ARCH & ENVIR DESIGN	( 899)	(20.4)			
ARCHITECTURAL DRAFTING	140	18.7	COMMUNICATIONS & COMM TECH	( 1177)	(21.0)
ARCHITECTURE	152	21.2	ADVERTISING	65	21.7
BLDG CON/CONSTRUCTION SCI	24	18.6	GRAPHIC/COMMERCIAL ART	57	19.7
CITY, COMM & REG PLANNING	6	17.7	GRAPHIC & PRINT COMMUNIC	9	15.9
ENVIRONMENTAL DESIGN	9	15.7	JOURNALISM	223	22.2
INTERIOR DESIGN	199	20.4	PHOTO/FILM/VIDEO TECH	78	19.3
LANDSCAPE ARCHITECTURE	35	18.9	PUBLIC RELATIONS	41	21.4
ARCHI & ENVIR DESIGN, GEN	334	21.2	RADIO/TV BROADCASTING	189	19.3
			RADIO/TV PRODUCTN & TECH	31	19.7
BUSINESS & MGMT	( 3780)	(19.9)	COMMUNIC & COMM TECH, GEN	484	21.6
ACCOUNTING	410	19.9			
BANKING & FINANCE	71	20.1	COMMNTY & PRSNL SVCS	( 1263)	(18.4)
BUSINESS ADMIN & MGMT	585	19.2	CORRECTIONS	2	14.0
BUSINESS ECONOMICS	63	21.0	COSMETOLOGY/HAIRSTYLING	133	16.2
CONTRACT MGMT & PURCHSING	13	19.6	CRIMINAL JUSTICE/CRIMINOL	448	18.6
HOTEL/RESTAURANT MGMT	56	18.8	FIRE PROTECTN/SAFETY TECH	34	18.1
HUMAN RESOURCE DEVEL/TRNG	13	17.5	FUNERAL SVCS/MORTUARY SCI	22	16.2
INSTITUTIONAL MANAGEMENT	0	0.0	LAW ENFORCEMENT & ADMIN	174	17.7
INSURANCE & RISK MGMT	9	23.8	LIBRARY SCI/LIB ASSISTING	8	22.3
INTERNATL BUSINESS/MGMT	94	22.0	MILITARY SCIENCE/TECH	39	21.2
LABOR/INDUSTRL RELATIONS	2	23.5	PARKS & RECREATION	7	19.7
MANAGEMENT INFO SYSTEMS	11	20.5	PUBLIC ADMINISTRATION	5	19.8
MANAGEMENT SCIENCE	5	24.4	PUBLIC AFFAIRS	6	19.8
MARKETING MGMT & RESEARCH	98	19.7	SOCIAL WORK	109	19.2
ORGANIZATIONAL BEHAVIOR	0	0.0	COMMNTY & PRSNL SVCS, GEN	276	18.7
PERSONNEL MANAGEMENT	4	16.8			
REAL ESTATE	83	17.8			
SML BUSINESS MGMT/OWNRSHIP	211	19.4			
TRADE & INDUSTRIAL MGMT	6	20.7			
TRANSPORTATION MANAGEMENT	3	15.7			
BUSINESS & MGMT, GEN	2043	20.1			

STATE COMPOSITE FOR  
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TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
COMPUTER & INFO SCI	( 1185)	(20.4)	ENGINEERING	( 1724)	(21.8)
COMPUTER PROGRAMMING	495	20.2	AEROSPACE ENGINEERING	135	24.8
COMPUTER SCIENCE	189	21.1	AGRICULTURAL ENGINEERING	14	19.7
DATA PROCESSING	9	18.0	ARCHITECTURAL ENGINEERING	35	22.2
INFO SCIENCES & SYSTEMS	32	20.4	BIOENGINEER & BIOMED ENG	47	26.5
MATH/COMPUTER SCIENCE	29	21.8	CERAMIC ENGINEERING	0	0.0
COMPUTER & INFO SCI, GEN	431	20.2	CHEMICAL ENGINEERING	55	24.9
CROSS-DISC STUDIES	( 34)	(24.7)	CIVIL ENGINEERING	80	21.6
AREA & ETHNIC STUDIES	4	28.3	COMPUTER ENGINEERING	154	19.4
LIBERAL ARTS/GEN STUDIES	16	24.2	CONSTRUCTION ENG/MGMT	17	20.5
MULTI-/INTERDISC STUDIES	1	28.0	ELECTRCL & ELECTRONIC ENG	115	20.6
CROSS-DISC STUDIES, GEN	13	23.9	ENGINEERING MANAGEMENT	7	19.4
EDUCATION	( 1662)	(20.0)	ENGINEERING PHYSICS	8	22.0
ADULT & CONTINUING EDUC	9	24.7	ENGINEERING SCIENCE	2	19.5
EDUCATION ADMINISTRATION	13	18.8	ENVIRONMENTAL HEALTH ENG	3	23.7
ELEMENTARY EDUCATION	580	19.7	GEOLOGICAL & GEOPHYS ENG	1	34.0
JR HIGH/MIDDLE SCH EDUC	111	18.8	INDUSTRIAL ENGINEERING	12	19.9
PRE-ELEMENTARY EDUCATION	91	17.8	MATERIALS ENGINEERING	3	20.7
SECONDARY EDUCATION	185	22.0	MECHANICAL ENGINEERING	222	21.3
STUDENT COUNSELING	16	19.4	METALLURGICAL ENGINEERING	3	19.7
TEACHER AIDE	1	20.0	MINING & MINERAL ENG	0	0.0
EDUCATION, GENERAL	656	20.3	NAVAL ARCHIT & MARINE ENG	3	24.7
TEACHER EDUCATION	( 1111)	(19.8)	NUCLEAR ENGINEERING	32	24.7
AGRICULTURAL EDUCATION	12	20.8	OCEAN ENGINEERING	0	0.0
ART EDUCATION	28	20.4	PETROLEUM ENGINEERING	2	20.0
BUSINESS EDUCATION	5	17.4	SYSTEMS ENGINEERING	3	17.3
ENGLISH EDUCATION	90	20.5	ENGINEERING, GENERAL	771	21.5
FOREIGN LANGUAGES EDUC	12	22.3	ENGINEERING-RELATED TECH	( 795)	(21.2)
HEALTH EDUCATION	5	17.8	AERONAUTICAL TECHNOLOGY	41	23.3
HUMAN, FAM/CONS SCI EDUC	8	21.5	AC, HEATING, REFRIG TECH	6	14.3
INDUSTRIAL ARTS EDUCATION	1	19.0	ARCHITECTURAL DESIGN TECH	36	20.1
MATHEMATICS EDUCATION	65	21.6	BIOMEDICAL EQUIPMENT TECH	9	26.4
MUSIC EDUCATION	150	20.3	CIVIL ENGINEERING TECH	21	22.3
PHYSICAL EDUCATION	129	17.4	COMPUTER ENGINEERING TECH	96	20.3
SCIENCE EDUCATION	8	21.8	CONSTRUCTION/BLDG TECH	15	19.3
SOC STUDIES/SOC SCI EDUC	38	21.6	DRAFTING & DESIGN TECH	32	18.7
SPECIAL EDUCATION	45	19.4	ELECTRICAL ENG TECHNOLOGY	53	19.9
SPEECH CORRECTION EDUC	4	18.8	ELECTRONIC ENG TECHNOLOGY	45	18.7
TEACHING ENGL AS 2ND LANG	6	21.3	ELECTROMECHAN INSTR TECH	5	19.0
TECH/TRADE & IND ED	3	18.0	ENVIRONMENTAL CONTRL TECH	1	23.0
TEACHER EDUCATION, OTHER	30	20.0	INDUSTRRL PRODUCTION TECH	3	21.3
TEACHER EDUCATION, GEN	472	19.6			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
LASER/FIBER-OPTIC TECH	2	22.5	HUMAN, FAMILY/CONS SCI	( 570)	(17.9)
MANUFACTURING TECHNOLOGY	3	18.7	CHILD DEV, CARE, GUIDANCE	110	16.9
MECHANICAL ENG TECH	100	20.2	CHILD CARE AIDE/ASSISTING	27	16.7
MINING & PETROLEUM TECH	0	0.0	CULINARY ARTS	125	17.8
OCCUPATL SFTY & HLTH TECH	0	0.0	FAMILY/CONS RESOURCE MGMT	2	13.0
SURVEYING & MAPPING TECH	1	14.0	FASHION DESIGN	67	18.2
ENGINEERING TECH, OTHER	19	20.3	FOOD PRODUCTN, MGMT, SVCS	13	16.5
ENGINEER-RELATD TECH, GEN	307	22.6	FOOD SCI & NUTR/DIETETICS	20	21.2
			HUMAN ENVIRON & HOUSING	8	19.3
FOREIGN LANGUAGES	( 190)	(23.5)	INDIVIDUAL & FAMILY DEVEL	7	18.1
ASIATIC LANGUAGES	20	24.7	TEXTILES AND CLOTHING	5	16.4
CLASSICAL LANGUAGES	7	30.1	HUMAN, FAM/CONS SCI, GEN	186	18.5
FRENCH	25	24.0			
GERMAN	6	22.5	LETTERS	( 225)	(24.4)
ITALIAN	2	20.5	CLASSICS	2	26.5
MIDDLE EASTERN LANGUAGES	2	16.5	COMPARATIVE LITERATURE	1	25.0
RUSSIAN	2	20.5	CREATIVE WRITING	85	23.3
SPANISH	59	22.4	ENGLISH, GENERAL	67	24.7
FOREIGN LANGUAGES, OTHER	5	23.0	LINGUISTICS	5	29.2
FOREIGN LANGUAGES, GEN	62	23.6	LITERATURE, ENGLISH/AMER	31	25.5
			SPEECH & RHETORICAL STUDY	0	0.0
HEALTH SCI & ALLIED HLTH	( 9508)	(20.0)	LETTERS, GENERAL	34	24.9
CHIROPRACTIC	47	19.1			
DENTAL ASSISTING	34	16.4	MATHEMATICS	( 169)	(23.6)
DENTAL HYGIENE	142	18.2	ACTUARIAL SCIENCES	2	27.0
DENTAL LAB/TECHNOLOGY	7	18.3	APPLIED MATHEMATICS	23	21.7
DENTISTRY	180	20.8	STATISTICS	6	21.0
EMERG MED TECH/PARAMEDIC	88	17.5	MATHEMATICS, GENERAL	138	24.0
HEALTH CARE ADMIN	37	17.2			
MEDICAL/SURG ASSISTING	173	18.3	PHILOS, RELIG & THEOLOGY	( 331)	(22.2)
MEDICAL LAB/TECHNOLOGY	63	18.9	BIBLE STUDIES	41	22.1
MED RECORDS ADMIN/TECH	27	17.9	PHILOSOPHY	26	21.7
MEDICINE	1279	22.5	RELIGION	49	22.1
MNTL HLTH & HUM SVCS/TECH	28	20.7	RELIGIOUS EDUCATION	25	21.8
NUCLEAR MEDICINE TECH	19	19.3	RELIGIOUS MUSIC	15	20.7
NURSING (PRACTICAL)	327	16.9	THEOLOGY	38	22.2
NURSING (REGISTERED)	1653	18.7	PHILOS, RELIG & THEOL, GEN	137	22.6
OCCUPATNL THERAPY/ASSIST	80	19.2			
OPTOMETRY	59	20.8			
PHARMACY	505	21.4			
PHYSICIAN ASSISTING	60	19.3			
PHYSICAL THERAPY/ASSIST	803	19.8			
RADIOLOGY/RADIOLOGIC TECH	307	18.5			
REC/ART/MUSIC THERAPY	9	20.8			
RESPIRATORY THERAPY/TECH	25	18.0			
SPEECH PATHOL/AUDIOLOGY	23	19.9			
VETERINARIAN ASSISTING	64	17.4			
VETERINARY MEDICINE	328	21.4			
HEALTH SCI & ALLIED, GEN	3141	20.3			

STATE COMPOSITE FOR  
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TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
SCIENCES (BIOL & PHYSICAL) (	1553)	(23.1)	VISUAL/PERFORM ARTS	( 2656)	(20.7)
ASTRONOMY	36	22.2	APPLIED DESIGN/CRAFTS	17	20.4
ATMOSPHER SCI & METEOROL	49	21.3	ART	185	20.0
BIOCHEMISTRY & BIOPHYSICS	77	24.8	ART HIST & APPRECIATION	12	22.6
BIOLOGY	490	22.6	CINEMATOGRAPHY/FILM/VIDEO	129	22.1
BOTANY	6	25.2	DANCE	63	19.2
CHEMISTRY	172	23.8	DESIGN, GENERAL	102	19.7
EARTH SCIENCE	7	17.3	DRAMA/THEATRE ARTS	281	21.3
ECOLOGY/ENV STUDIES	26	23.9	FINE ARTS, GENERAL	46	22.2
GEOLOGY	10	22.1	GRAPHIC ARTS TECHNOLOGY	60	20.6
MICROBIOLOGY	20	23.1	GRAPHIC DESIGN	147	21.5
OCEANOGRAPHY	36	22.9	MUSIC (LIBERAL ARTS)	131	21.7
PHYSICS	65	26.0	MUSIC PERFORMANCE	415	21.0
ZOOLOGY	106	22.1	MUSIC THEORY & COMPOSIT	88	21.4
SCIENCES (BIO & PHYS), GEN	453	23.2	PHOTOGRAPHY	142	19.3
			VISUAL/PERFORM ARTS, GEN	838	20.2
SOCIAL SCIENCES (	2852)	(21.5)	UNDECIDED	( 4682)	(20.6)
ANTHROPOLOGY	44	22.1			
ECONOMICS	7	25.9			
GEOGRAPHY	7	17.6			
HISTORY	201	23.0			
INTERNATIONAL RELATIONS	56	26.0			
LAW	677	21.2			
PARALEGAL/LEGAL ASSISTING	53	18.3			
POLITICAL SCI/GOVERNMENT	172	24.3			
PSYCHOLOGY	990	21.0			
SOCIOLOGY	71	20.1			
URBAN STUDIES	1	28.0			
SOCIAL SCIENCES, GENERAL	573	21.5			
TRADE & INDUSTRIAL (	553)	(18.0)			
AIRCRAFT TECHNICIAN	13	17.7			
AIRPLANE PILOTING & NAVIG	80	20.9			
AUTOMOTIVE BODY REPAIR	73	17.0			
AUTOMOTIVE TECHNOLOGY	110	17.7			
AVIATION MANAGEMENT	2	19.5			
COMPUTER ELECTRNCES/REPAIR	12	18.3			
CONSTRCT TRADES & CARPENT	10	16.6			
DIESEL MECHANICS & TECH	32	16.1			
DRAFTING	15	18.0			
ELECTRICAL EQUIP REPAIR	11	17.4			
HEATING, AC, REFRIG MECH	2	13.5			
MACHINE TECHNOLOGY	10	17.5			
MECHANICAL DRAFTING	3	19.0			
WELDING & WELDING TECH	19	15.4			
TRADE & INDUSTRIAL, GEN	161	18.1			

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)	286	16.3	133	16.7	151	16.0	46	16.3	240	16.3
BUSINESS OPER (04-05)	445	16.7	188	17.5	253	16.1	195	16.3	246	17.0
TECHNICAL (06-07)	873	16.7	315	17.4	548	16.3	511	16.7	359	16.8
SCIENCE & TECH (08-09)	529	17.6	199	18.8	321	16.9	247	17.7	281	17.5
ARTS (10-11)	247	17.3	102	18.2	143	16.8	75	17.9	169	17.1
SOCIAL SERVICE (12-01)	238	17.1	101	17.7	136	16.6	56	17.0	180	17.1
OTHER*	1097	16.7	404	17.3	655	16.2	431	16.8	663	16.6
TOTAL	3715	16.9	1442	17.6	2207	16.4	1561	16.9	2138	16.8
<u>PLAN ON 4-YEARS OR MORE OF COLLEGE</u>										
ADMIN & SALES (02-03)	4033	20.1	2783	20.6	1219	19.0	1252	20.8	2772	19.9
BUSINESS OPER (04-05)	2701	20.2	1785	20.8	887	19.0	1272	20.1	1418	20.3
TECHNICAL (06-07)	4154	20.5	2718	21.2	1396	19.1	2623	20.5	1522	20.5
SCIENCE & TECH (08-09)	5549	21.9	3806	22.6	1655	20.5	2803	22.3	2728	21.6
ARTS (10-11)	3943	22.0	2688	22.5	1217	20.9	1349	22.3	2586	21.8
SOCIAL SERVICE (12-01)	4063	21.0	2749	21.5	1279	19.8	1161	21.1	2892	20.9
OTHER*	10570	20.8	6863	21.4	3325	19.6	4697	21.0	5829	20.7
TOTAL	35013	21.0	23392	21.6	10978	19.7	15157	21.2	19747	20.8

\* 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	15971	2.99	2.90	3.23	3.07	3.04	0.63
FEMALE	21659	3.23	3.00	3.34	3.18	3.19	0.59
NO RESPONSE	109	3.10	2.99	3.28	3.10	3.11	0.58
AFRICAN-AMERICAN/BLACK	6652	2.82	2.62	2.98	2.82	2.81	0.59
CAUCASIAN-AMERICAN/WHITE	27790	3.20	3.03	3.37	3.21	3.20	0.59
OTHER MINORITY	1820	3.17	3.07	3.32	3.17	3.18	0.61
MISSING/PREFER NO RESP	1477	3.15	2.93	3.30	3.13	3.13	0.62
TOTAL	37739	3.13	2.96	3.30	3.13	3.13	0.61

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 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 53 PERCENT OF STUDENTS SCORED BELOW 21.

TABLE 4 EXAMPLE

STD SCORE	ACT COMPOSITE	
	FREQ	CP
36	8	99
35	59	99
34	111	99
33	199	99
32	307	99
31	490	98
30	661	97
29	888	96
28	1098	94
27	1331	91
26	1690	88
25	2046	84
24	2293	80
23	2704	75
22	3139	68
21	3618	61 <-- 61% OF THE STUDENTS SCORE AT OR BELOW 21
20	3295	53 <-- 53% OF THE STUDENTS SCORE BELOW 21
19	3642	46
18	3463	37
17	3305	29
16	2961	22
15	2522	15
14	1975	9
13	1267	5
12	657	2
11	190	1
10	45	1
9	6	1
8	2	1
7	0	1
6	1	1
5	1	1
4	0	1
3	0	1
2	0	1
1	0	1

