

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

**STATE COMPOSITE FOR  
MISSOURI**

**CODE 260-000**



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	25190	15763	59/ 37	22.4/19.0	22.0/18.8	23.0/20.0	22.5/19.9	22.6/19.6
2001-02	24046	15475	58/ 37	22.5/19.0	22.2/18.8	23.1/20.1	22.5/19.9	22.7/19.6
2002-03	24708	15944	58/ 37	22.5/19.2	21.9/18.8	22.9/20.2	22.4/19.9	22.5/19.6
2003-04	24739	15764	58/ 37	22.6/19.3	22.1/19.0	23.0/20.3	22.4/19.9	22.6/19.7
2004-05	24396	15499	57/ 36	22.7/19.3	22.1/19.0	23.0/20.2	22.4/20.0	22.7/19.8

## EXECUTIVE SUMMARY - AVERAGE ACT SCORES FOR TOTAL GROUP

	NUMBER	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
2000-01	42678	21.1	20.8	21.8	21.5	21.4
2001-02	41316	21.1	20.9	21.9	21.5	21.5
2002-03	42840	21.2	20.7	21.9	21.4	21.4
2003-04	42862	21.4	20.9	22.0	21.4	21.5
2004-05	42705	21.4	20.9	21.9	21.5	21.6

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

	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
Q3 (75TH PERCENTILE)	25.3	24.5	26.1	24.2	24.8
Q2 (50TH PERCENTILE - MEDIAN)	21.1	20.1	21.7	21.2	21.2
Q1 (25TH PERCENTILE)	17.2	16.8	17.3	18.5	18.0

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= 2372)	(N= 116)	(N= 19525)	(N= 264)	(N= 505)	(N= 167)
ENGLISH	17.9	20.5	23.3	21.4	23.6	21.4
USAGE/MECH	8.6	10.0	11.8	10.6	11.9	10.6
RHET SKILLS	9.3	10.9	12.1	11.1	12.2	11.0
MATHEMATICS	17.4	20.1	22.6	21.1	24.3	20.8
PRE/ELEM-ALG	8.8	10.7	12.2	11.2	12.9	10.8
ALG/CRD-GEOM	8.7	9.8	11.3	10.4	12.2	10.4
PLANE GEOM/TRIG	8.4	10.3	11.4	10.6	12.3	10.6
READING	18.2	21.3	23.6	22.4	23.4	21.1
SOC STU/SCI	9.1	11.0	12.1	11.3	12.1	10.7
ARTS/LITERATURE	9.1	10.7	12.0	11.5	11.8	10.7
SCIENCE	18.4	21.2	22.9	21.5	23.5	21.1
COMPOSITE	18.1	20.9	23.2	21.7	23.8	21.2
LESS THAN CORE	(N= 1645)	(N= 95)	(N= 12274)	(N= 178)	(N= 175)	(N= 98)
ENGLISH	15.4	18.1	19.9	18.4	20.6	19.2
USAGE/MECH	7.1	8.7	9.8	8.9	10.1	9.4
RHET SKILLS	8.0	9.3	10.3	9.5	10.8	9.9
MATHEMATICS	16.0	18.7	19.4	18.5	21.6	19.0
PRE/ELEM-ALG	7.6	9.6	10.1	9.4	11.2	9.6
ALG/CRD-GEOM	7.8	9.1	9.5	8.9	10.6	9.4
PLANE GEOM/TRIG	7.7	9.5	9.8	9.3	11.0	9.7
READING	16.6	19.4	20.7	19.6	21.1	20.2
SOC STU/SCI	8.3	10.0	10.6	10.0	10.9	10.0
ARTS/LITERATURE	8.1	9.6	10.5	9.8	10.4	10.5
SCIENCE	16.9	19.5	20.4	19.5	21.4	19.4
COMPOSITE	16.4	19.1	20.2	19.1	21.3	19.6
NO RESPONSE	(N= 179)	(N= 13)	(N= 2111)	(N= 37)	(N= 64)	(N= 26)

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= 4196)	(N= 224)	(N= 33910)	(N= 479)	(N= 744)	(N= 291)
ENGLISH	16.9	19.5	22.0	20.1	22.8	20.5
USAGE/MECH	8.0	9.5	11.0	9.9	11.4	10.1
RHET SKILLS	8.8	10.2	11.4	10.4	11.8	10.6
MATHEMATICS	16.9	19.5	21.4	20.0	23.6	20.1
PRE/ELEM-ALG	8.3	10.3	11.4	10.4	12.5	10.3
ALG/CRD-GEOM	8.4	9.5	10.6	9.8	11.9	10.0
PLANE GEOM/TRIG	8.1	10.0	10.8	10.0	11.9	10.3
READING	17.5	20.6	22.5	21.2	22.8	20.9
SOC STU/SCI	8.8	10.6	11.5	10.7	11.8	10.6
ARTS/LITERATURE	8.7	10.2	11.4	10.7	11.4	10.7
SCIENCE	17.8	20.4	21.9	20.6	22.9	20.4
COMPOSITE	17.4	20.1	22.1	20.6	23.2	20.6

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	642 20.8	71 22.7	14111 24.4	147 23.4	401 25.5	101 23.6
3.00 - 3.49	992 18.3	60 19.4	8057 21.1	117 20.4	123 20.4	58 20.0
2.50 - 2.99	1011 16.9	28 18.5	4376 19.3	79 19.1	72 18.7	47 18.0
2.00 - 2.49	734 15.6	21 16.7	1982 18.3	41 16.9	25 18.3	24 17.3
1.99 & BELOW	292 15.0	6 15.7	499 17.4	11 16.8	5 16.2	7 16.9
CGPA PRED BY STUDENT						
3.5 - 4.0	574 20.4	51 22.9	10159 25.1	109 24.2	351 25.9	86 23.5
3.0 - 3.4	1522 18.1	88 20.3	13590 21.5	190 20.2	210 20.8	106 20.0
2.5 - 2.9	1062 16.4	38 18.2	5053 19.2	77 18.9	65 18.8	46 18.1
2.0 - 2.4	547 15.3	19 16.1	1924 17.6	36 17.1	28 17.4	11 17.0
1.9 & BELOW	145 14.7	4 14.3	303 16.9	9 16.1	3 20.7	3 15.7
HIGH SCHOOL RANK						
TOP QUARTER	1020 19.3	81 22.3	14687 24.2	167 23.0	352 25.6	101 23.5
2ND QUARTER	1456 17.3	69 18.9	10394 20.5	147 19.7	174 20.5	91 18.8
BOTTOM HALF	1261 16.0	45 17.7	4920 18.6	92 17.7	98 18.9	49 18.6



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	9267	22	5366	13	1274	3	141	0
	FEMALE	11411	27	7501	18	1890	4	138	0
	TOTAL	20745	49	12914	30	3177	7	282	1
NO. & VARIETY OF COURSE OFFERINGS	MALE	8773	21	4244	10	2822	7	196	0
	FEMALE	10862	25	5050	12	4828	11	201	0
	TOTAL	19698	46	9334	22	7675	18	399	1
GRADING PRACTICES & POLICIES	MALE	8035	19	5702	13	2067	5	217	1
	FEMALE	10746	25	7196	17	2790	7	202	0
	TOTAL	18833	44	12954	30	4875	11	423	1
NO. & KINDS OF TESTS GIVEN	MALE	7711	18	6630	16	1497	4	172	0
	FEMALE	9921	23	8509	20	2327	5	158	0
	TOTAL	17686	41	15196	36	3841	9	332	1
SCHOOL RULES, REGULATIONS, & POLICIES	MALE	6182	14	5437	13	4042	9	340	1
	FEMALE	7932	19	6838	16	5821	14	310	1
	TOTAL	14163	33	12319	29	9895	23	655	2
LIBRARY OR LEARNING CENTER	MALE	8932	21	5036	12	1643	4	406	1
	FEMALE	12005	28	6068	14	2420	6	433	1
	TOTAL	21012	49	11139	26	4076	10	846	2
LABORATORY FACILITIES	MALE	7688	18	5439	13	2183	5	697	2
	FEMALE	9550	22	7029	16	3210	8	1112	3
	TOTAL	17291	40	12522	29	5406	13	1819	4
PROVISIONS FOR SPECIAL HELP IN READING, MATH, ETC	MALE	6183	14	4951	12	1288	3	3581	8
	FEMALE	7905	19	5896	14	2144	5	4951	12
	TOTAL	14137	33	10894	26	3445	8	8553	20
PROVISIONS FOR ACADEMICALLY OUTSTANDING STU	MALE	8569	20	4503	11	1521	4	1421	3
	FEMALE	11383	27	5496	13	2359	6	1678	4
	TOTAL	20016	47	10044	24	3890	9	3110	7
ADEQUACY OF PROG IN CAREER EDUC & PLANNING	MALE	6724	16	5913	14	2263	5	1088	3
	FEMALE	8238	19	7207	17	4027	9	1406	3
	TOTAL	15019	35	13164	31	6312	15	2501	6

NUMBER OF STUDENTS - 42705

TABLE 4 ACT SCORE DISTRIBUTIONS, CUMULATIVE PERCENTAGES, AND AVERAGES FOR ALL STUDENTS (NUMBER OF STUDENTS = 42705)

STD SCORE	ACT ENGLISH		ACT MATHEMATICS		ACT READING		ACT SCIENCE		ACT COMPOSITE	
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP
36	86	99	60	99	306	99	126	99	9	99
35	306	99	216	99	445	99	240	99	76	99
34	732	99	349	99	754	98	324	99	159	99
33	519	97	260	99	823	96	218	98	333	99
32	705	96	379	98	669	95	394	98	521	99
31	860	95	488	97	1009	93	382	97	740	97
30	833	92	526	96	1168	91	278	96	1174	96
29	1702	91	1068	95	1279	88	774	95	806	93
28	1400	87	1184	92	1431	85	1049	94	1361	91
27	1280	83	1843	89	1975	82	1257	91	1747	88
26	1872	80	2220	85	2040	77	2344	88	2020	84
25	2330	76	1945	80	1829	72	2242	83	2372	79
24	2400	70	2941	75	2722	68	3114	77	2813	73
23	2171	65	2424	68	2972	61	3558	70	3029	67
22	2986	60	2053	63	2303	55	3509	62	3237	60
21	3082	53	2284	58	2086	49	4591	54	3496	52
20	3103	46	2718	53	3608	44	4265	43	3256	44
19	2746	38	2936	46	2279	36	3423	33	3234	36
18	2363	32	3398	39	1864	30	3324	25	3233	29
17	2008	26	3967	31	2153	26	2147	17	2692	21
16	1923	22	4155	22	2345	21	1606	12	2184	15
15	2326	17	2697	12	1583	16	1198	8	1694	10
14	1490	12	1527	6	2157	12	757	5	1256	6
13	932	8	776	2	1315	7	659	4	724	3
12	713	6	215	1	941	4	424	2	382	1
11	611	4	51	1	436	2	251	1	124	1
10	463	3	16	1	105	1	149	1	24	1
9	284	2	5	1	58	1	71	1	7	1
8	353	1	1	1	28	1	21	1	2	1
7	97	1	2	1	9	1	4	1	0	1
6	22	1	0	1	9	1	3	1	0	1
5	6	1	0	1	2	1	1	1	0	1
4	0	1	1	1	0	1	0	1	0	1
3	1	1	0	1	1	1	2	1	0	1
2	0	1	0	1	0	1	0	1	0	1
1	0	1	0	1	1	1	0	1	0	1

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

33-36	1643	4	885	2	2328	5	908	2	577	1
28-32	5500	13	3645	9	5556	13	2877	7	4602	11
24-27	7882	18	8949	21	8566	20	8957	21	8952	21
20-23	11342	27	9479	22	10969	26	15923	37	13018	30
16-19	9040	21	14456	34	8641	20	10500	25	11343	27
13-15	4748	11	5000	12	5055	12	2614	6	3674	9
01-12	2550	6	291	1	1590	4	926	2	539	1

AVG(SD) 21.4( 5.9) 20.9( 5.0) 21.9( 5.9) 21.5( 4.6) 21.6( 4.8)

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 = 42705)

STD SCORE	USAGE/MECH		RHET SKILLS		SOC STU/SCI		ARTS/LIT		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	
18	1344	99	431	99	720	99	1679	99	18
17	1880	97	1015	99	2653	98	2221	96	17
16	2005	92	2529	97	2272	92	2627	91	16
15	2528	88	2808	91	2883	87	3036	85	15
14	2559	82	3659	84	2995	80	1962	78	14
13	2913	76	3418	76	3196	73	3500	73	13
12	3683	69	5168	68	4869	66	5318	65	12
11	4322	60	4821	55	4028	54	3518	52	11
10	4392	50	5411	44	4852	45	3647	44	10
9	4010	40	4899	31	4563	33	3311	36	9
8	4035	31	3452	20	4117	23	3472	28	8
7	3376	21	2093	12	2480	13	3059	20	7
6	2487	13	1381	7	1462	7	2436	13	6
5	1461	7	880	4	829	4	1965	7	5
4	1104	4	506	2	451	2	687	2	4
3	421	1	194	1	226	1	193	1	3
2	166	1	40	1	84	1	69	1	2
1	19	1	0	1	25	1	5	1	1
AVERAGE		10.7		11.1		11.2		11.1	
S.D.		3.7		3.1		3.4		3.7	

STD SCORE	PRE/ELEM		ALG CP	ALG/CRD-GEOM		PLN GEOM/TRIG		STD SCORE
	FREQ	CP		FREQ	CP	FREQ	CP	
18	1108	99		299	99	279	99	18
17	1534	97		507	99	427	99	17
16	2537	94		913	98	1166	98	16
15	2442	88		1337	96	2013	96	15
14	3255	82		3464	93	3078	91	14
13	4283	75		2441	85	4106	84	13
12	3382	65		5974	79	4977	74	12
11	4164	57		4810	65	4097	62	11
10	4332	47		5996	54	8153	53	10
9	3041	37		7180	40	4249	34	9
8	5691	30		3751	23	3793	24	8
7	4144	16		2222	14	2929	15	7
6	1833	7		1540	9	1696	8	6
5	597	2		1267	5	282	4	5
4	219	1		530	2	891	3	4
3	105	1		330	1	145	1	3
2	31	1		56	1	352	1	2
1	7	1		88	1	72	1	1
AVERAGE		11.0		10.4		10.5		
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	19001	21.1	5.9	21.8	5.3	21.9	6.0	22.2	4.8	21.9	4.9
FEMALES	23489	21.6	5.9	20.2	4.7	22.0	5.9	20.9	4.3	21.3	4.6
NO RESPONSE	215	20.7	5.4	20.6	4.9	21.8	5.6	21.2	4.5	21.2	4.5

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	4	3	1	6	5	3	1	2	1		
28-32	12	13	11	6	13	13	9	5	12	10		
24-27	18	19	23	19	20	20	24	19	22	20		
20-23	26	27	22	22	24	27	36	38	30	31		
16-19	21	21	30	37	20	20	21	28	25	28		
13-15	12	10	9	14	13	11	5	7	8	9		
01-12	7	5	1	1	4	3	2	2	1	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	7862	21	23.7	231	13	304	13	5817	26	1510	13
GOOD	15882	42	21.6	741	41	887	38	9480	43	4774	42
AVERAGE	8446	22	19.8	496	28	732	32	3890	17	3328	29
BELOW AVERAGE	1862	5	19.5	123	7	157	7	828	4	754	7
VERY INADEQUATE	2548	7	20.5	157	9	180	8	1507	7	704	6
NO RESPONSE	1236	3	22.5	48	3	57	2	763	3	368	3
NO. OF STUDENTS	37836			1796		2317		22285		11438	

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	42705	21.4	5.9	20.9	5.0	21.9	5.9	21.5	4.6	21.6	4.8
COLLEGE CORE											
E4, M3, SS3, NS3	24396	22.7	5.6	22.1	5.0	23.0	5.8	22.4	4.5	22.7	4.6
In between	9308	19.9	5.6	19.3	4.4	20.7	5.6	20.2	4.1	20.2	4.4
E4, M2, SS2, NS2	6191	18.4	5.6	18.6	4.4	19.6	5.6	19.6	4.4	19.2	4.5
No Response	2810	21.7	6.2	21.3	5.2	22.4	6.2	21.7	4.8	21.9	5.0
HS GPA RANGES											
3.50 - 4.00	16357	24.6	5.3	23.7	4.8	24.7	5.5	23.6	4.3	24.3	4.3
3.00 - 3.49	10030	20.6	4.9	20.0	4.1	21.1	5.3	20.9	3.9	20.8	3.9
2.50 - 2.99	6012	18.3	4.8	18.2	3.6	19.1	5.0	19.3	3.8	18.8	3.7
2.00 - 2.49	3028	16.7	4.7	17.0	3.2	17.8	4.8	18.3	3.7	17.6	3.5
1.99 & below	885	15.4	4.6	16.2	2.8	16.6	4.6	17.3	3.8	16.5	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	12317	29	3.44	22.1	22.0
ENG 9, ENG 10, ENG 11, ENG 12	22834	53	3.32	21.5	21.7
LESS THAN 4 YEARS OF ENGLISH	4684	11	3.03	18.8	19.5
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	2870	7	- . -	21.7	21.9
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	2426	6	3.53	24.5	24.7
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	5486	13	3.30	22.1	22.7
ALG 1, ALG 2, GEOM, TRIG	3716	9	3.08	20.1	20.8
ALG 1, ALG 2, GEOM, OTHER ADV MATH	6074	14	3.08	20.1	21.1
ALG 1, ALG 2, GEOM	6707	16	2.67	17.8	18.8
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	9190	22	3.51	24.4	24.4
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	1561	4	3.09	20.4	21.1
LESS THAN 3 YEARS OF MATH	4456	10	2.48	17.0	17.9
NO MATH COURSE/GRADE INFORMATION REPORTED	3089	7	- . -	21.1	21.8
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	2239	5	3.48	23.1	22.8
US HIST, WORLD HIST, AM GOVT	4343	10	3.29	20.8	20.7
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	17150	40	3.51	22.5	22.0
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	12351	29	3.39	21.5	21.3
LESS THAN 3 YEARS OF SOC SCI	3524	8	3.22	20.8	20.5
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	3098	7	- . -	22.4	21.9
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	11033	26	3.48	23.1	23.3
BIOLOGY, CHEMISTRY, PHYSICS	3093	7	3.30	23.8	24.3
GEN SCIENCE, BIOLOGY, CHEMISTRY	13553	32	3.26	21.0	21.1
OTHER COMBINATIONS OF 3 YEARS NAT SCI	1457	3	3.32	21.6	21.7
LESS THAN 3 YEARS OF NAT SCI	10413	24	3.04	19.5	19.3
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	3156	7	- . -	21.7	21.9

STATE COMPOSITE FOR  
MISSOURITABLE 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	5073	27	3.32	21.9	22.4
ENG 9, ENG 10, ENG 11, ENG 12	9920	52	3.19	21.3	22.1
LESS THAN 4 YEARS OF ENGLISH	2387	13	2.92	18.6	19.8
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	1621	9	- . -	21.1	21.9
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	1218	6	3.50	25.5	25.0
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	2028	11	3.21	22.9	22.8
ALG 1, ALG 2, GEOM, TRIG	1658	9	3.02	20.8	21.0
ALG 1, ALG 2, GEOM, OTHER ADV MATH	2161	11	2.97	20.7	21.1
ALG 1, ALG 2, GEOM	2727	14	2.60	18.4	19.0
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	4669	25	3.47	25.3	24.8
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	801	4	3.05	21.0	21.2
LESS THAN 3 YEARS OF MATH	1994	10	2.44	17.5	18.1
NO MATH COURSE/GRADE INFORMATION REPORTED	1745	9	- . -	21.5	21.8
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	1161	6	3.44	22.8	22.9
US HIST, WORLD HIST, AM GOVT	2190	12	3.23	20.6	21.0
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	6912	36	3.46	22.5	22.4
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	5193	27	3.33	21.4	21.6
LESS THAN 3 YEARS OF SOC SCI	1778	9	3.19	21.2	21.2
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	1767	9	- . -	22.2	21.9
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	5428	29	3.45	23.9	23.8
BIOLOGY, CHEMISTRY, PHYSICS	1529	8	3.27	24.8	25.0
GEN SCIENCE, BIOLOGY, CHEMISTRY	5057	27	3.15	21.5	21.0
OTHER COMBINATIONS OF 3 YEARS NAT SCI	816	4	3.28	22.5	22.2
LESS THAN 3 YEARS OF NAT SCI	4378	23	2.94	20.0	19.3
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	1793	9	- . -	22.2	21.9

STATE COMPOSITE FOR  
MISSOURITABLE 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	7192	31	3.53	22.2	21.7
ENG 9, ENG 10, ENG 11, ENG 12	12831	55	3.43	21.7	21.4
LESS THAN 4 YEARS OF ENGLISH	2268	10	3.15	18.9	19.2
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	1198	5	- . -	22.4	21.8
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	1198	5	3.56	23.5	24.3
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	3438	15	3.35	21.6	22.6
ALG 1, ALG 2, GEOM, TRIG	2049	9	3.12	19.5	20.7
ALG 1, ALG 2, GEOM, OTHER ADV MATH	3883	17	3.14	19.8	21.1
ALG 1, ALG 2, GEOM	3944	17	2.71	17.4	18.7
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	4498	19	3.55	23.4	24.0
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	756	3	3.14	19.7	21.0
LESS THAN 3 YEARS OF MATH	2428	10	2.50	16.5	17.7
NO MATH COURSE/GRADE INFORMATION REPORTED	1295	6	- . -	20.6	21.7
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	1072	5	3.53	23.3	22.6
US HIST, WORLD HIST, AM GOVT	2139	9	3.36	21.0	20.5
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	10175	43	3.54	22.5	21.7
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	7098	30	3.43	21.6	21.0
LESS THAN 3 YEARS OF SOC SCI	1724	7	3.25	20.4	19.8
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	1281	5	- . -	22.8	21.9
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	5571	24	3.50	22.2	22.9
BIOLOGY, CHEMISTRY, PHYSICS	1551	7	3.33	22.7	23.5
GEN SCIENCE, BIOLOGY, CHEMISTRY	8444	36	3.32	20.8	21.2
OTHER COMBINATIONS OF 3 YEARS NAT SCI	636	3	3.37	20.5	21.1
LESS THAN 3 YEARS OF NAT SCI	5976	25	3.10	19.2	19.3
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	1311	6	- . -	21.1	21.8

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	676	19.6	38	49	3	3	1	1	2	2
ARCH & ENVIR DESIGN	843	21.4	39	44	3	3	2	2	2	2
BUSINESS & MGMT	3802	20.9	33	51	13	13	9	8	11	10
BUSINESS & OFFICE	240	20.3	26	50	1	1	1	1	1	1
MARKETING & DISTRIBUTION	356	20.5	31	50	1	1	1	1	1	1
COMMUNICATION & COMM TEC	1459	22.0	35	50	4	4	5	5	4	4
COMMUNITY & PRSNL SVCS	1078	19.3	46	43	3	3	3	4	3	4
COMPUTER & INFO SCI	1181	22.4	41	47	7	7	1	1	3	3
CROSS-DISC STUDIES	37	23.6	19	57	0	0	0	0	0	0
EDUCATION	2034	20.8	49	41	2	2	8	8	6	6
TEACHER EDUCATION	1253	20.8	49	39	3	4	4	4	4	4
ENGINEERING	1519	23.3	36	50	9	8	1	1	4	4
ENGINEERING-RELATED TECH	850	22.6	34	51	5	5	0	0	2	3
FOREIGN LANGUAGES	172	24.5	35	47	0	0	1	0	0	0
HEALTH SCI & ALLIED HLTH	6846	21.0	52	40	9	10	27	28	19	20
HUMAN, FAMILY/CONS SCI	500	19.3	44	40	0	0	2	2	1	2
LETTERS	240	25.0	32	51	1	0	1	1	1	1
MATHEMATICS	164	25.0	18	58	1	0	0	0	0	0
PHILOS, RELIG & THEOL	341	21.9	50	36	1	1	1	1	1	1
SCI (BIOL & PHYSICAL)	1549	24.0	35	49	4	4	4	3	4	3
SOCIAL SCIENCES	2712	22.3	41	46	5	5	9	9	8	7
TRADE & INDUSTRIAL	512	19.0	45	42	3	4	0	0	1	2
VISUAL & PERFORM ARTS	2542	21.4	45	41	7	7	7	8	7	8
UNDECIDED	4733	21.8	8	13	15	14	12	10	13	12
NO RESPONSE	7066									

NUMBER OF STUDENTS - 42705



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	4113	18.7	10	AFRICAN-AMER/BLACK	4196	17.4	10
COLL PREP	22285	22.9	52	AM INDIAN,ALASKAN NTV	224	20.1	1
OTHER/GENERAL/NO RESP	16307	20.4	38	CAUCASIAN-AMER/WHITE	33910	22.1	79
REQUEST ASSISTANCE WITH				MEXICAN-AMER/CHICANO	479	20.6	1
ED/OCCUP PLANS	16482	21.7	39	ASIAN-AMER,PACIFIC ISL	744	23.2	2
EXPR IDEAS IN WRITING	8797	20.2	21	PUERTO RICAN,HISPANIC	291	20.6	1
READING/COMPREHENSION	11017	19.8	26	OTHER	541	19.0	1
STUDY SKILLS	16099	20.1	38	MULTIRACIAL	543	21.0	1
MATH SKILLS	15424	19.7	36	PREFER NOT TO RESPOND	1049	22.6	2
PERSONAL CONCERNS	3582	19.9	8	NO RESPONSE	728	22.3	2
EXPRESSED FIN NEED				ESTIMATED FAMILY INCOME			
NEED FINANCIAL AID	33313	21.4	78	LESS THAN \$18,000	2978	18.8	7
NEED TO FIND WORK	27715	21.1	65	ABOUT \$18,000-\$24,000	2473	19.3	6
SPECIAL COLLEGE PROG				ABOUT \$24,000-\$30,000	2592	20.0	6
INDEP STUDY	15422	22.1	36	ABOUT \$30,000-\$36,000	2434	20.5	6
HONORS COURSES	12360	24.0	29	ABOUT \$36,000-\$42,000	2774	20.8	6
ADV PLACEMENT IN COLL				ABOUT \$42,000-\$50,000	3439	21.3	8
ENGLISH	10891	23.2	26	ABOUT \$50,000-\$60,000	4006	21.7	9
MATH	9970	23.7	23	ABOUT \$60,000-\$80,000	5758	22.2	13
SOCIAL STUDIES	10629	23.2	25	ABOUT \$80,000-\$100,000	3891	22.8	9
NATURAL SCIENCE	8470	23.3	20	MORE THAN \$100,000	4493	23.8	11
FOREIGN LANG	7603	23.2	18	NO RESPONSE	7867	22.1	18
MAX YEARLY COLL TUITION				HS CLASS RANK			
\$1000 & UNDER	1268	17.5	3	TOP QTR	17381	24.0	41
\$1001 - \$2000	1325	18.5	3	2ND QTR	13102	20.1	31
\$2001 - \$4000	3309	19.4	8	3RD QTR	6077	18.2	14
\$4001 - \$7500	6127	21.0	14	4TH QTR	877	17.5	2
\$7501 & OVER	2664	21.8	6	NO RESPONSE	5268	21.9	12
NO PREFERENCE	22340	22.2	52	EDUC DEG ASPIRATION			
NO RESPONSE	5672	22.3	13	VOC-TECH	538	17.5	1
MOST RECENTLY TESTED				2YR COL DEGREE	1909	17.8	4
SOPHOMORE	403	20.8	1	BACHELORS DEGREE	15672	20.7	37
JUNIOR	9572	22.0	22	GRAD STUDY	7893	23.1	18
SENIOR	29310	21.2	69	PROF LEVEL DEGREE	11304	22.7	26
OTHER/NO RESPONSE	3420	23.2	8	OTHER	1310	18.9	3
COLLEGE CORE PREPARATION				NO RESPONSE	4079	21.8	10
CORE OR MORE	24396	22.7	57	NUMBER OF STUDENTS			
LESS THAN CORE	15499	19.8	36	HOME SCHOOLED	460	22.5	1
NO RESPONSE	2810	21.9	7	EARNED A GED	71	20.5	0
				ALL STUDENTS	42705	21.6	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	
2382 UNIV OF MO-COLUMBIA	MO	11408	4466	6942	1	4	19	35	28	13	1	
2370 SOUTHWEST MO ST UNIV	MO	8898	2787	6111	1	5	26	37	23	8	0	
2272 CENTRAL MISSOURI ST	MO	4662	1628	3034	1	9	32	35	18	4	0	
2366 SOUTHEAST MO STATE U	MO	4013	1314	2699	1	9	33	34	18	5	0	
2336 TRUMAN STATE UNIV	MO	3563	920	2643	0	2	13	29	33	20	2	
2380 UNIV OF MO-KS CITY	MO	3378	852	2526	1	7	23	33	25	11	1	
2338 NORTHWEST MO STATE U	MO	2932	898	2034	1	8	32	34	20	5	0	
2383 UNIV OF MO-ST LOUIS	MO	2878	603	2275	1	9	29	35	20	6	1	
2352 SAINT LOUIS UNIV	MO	2809	636	2173	1	6	19	28	28	15	2	
2398 UNIV OF MO-ROLLA	MO	2141	701	1440	1	3	14	28	29	22	3	
2386 WASHINGTON U-ST LOU	MO	2004	451	1553	1	5	13	23	26	28	5	
2324 LINDENWOOD UNIV	MO	1719	470	1249	1	9	35	35	16	5	0	
2344 MISSOURI WESTERN ST	MO	1660	635	1025	2	15	38	28	14	2	0	
2292 DRURY UNIVERSITY	MO	1586	393	1193	1	5	21	33	25	13	1	
1470 UNIVERSITY OF KANSAS	KS	1506	412	1094	0	4	17	33	31	14	1	
2304 MISSOURI SOUTHERN ST	MO	1431	467	964	1	9	33	35	17	5	0	
2335 OZARKS TECHNICAL CC	MO	1268	465	803	1	14	42	32	9	2	0	
2388 WEBSTER UNIVERSITY	MO	1194	285	909	0	9	27	34	22	8	1	
2328 ST LOUIS CC-MERAMEC	MO	1138	385	753	1	14	39	33	10	2	0	
2394 WILLIAM JEWELL COLL	MO	1117	236	881	1	6	22	32	26	12	1	
2276 COLUMBIA COLLEGE-MO	MO	1076	284	792	2	11	35	33	15	4	0	
2364 COLL OF THE OZARKS	MO	1065	495	570	1	9	38	33	15	3	0	
2326 MARYVILLE U-ST LOUIS	MO	1038	260	778	1	8	30	36	18	8	0	
2322 LINCOLN UNIV-MO	MO	924	265	659	5	30	39	19	6	1	0	
2307 LONGVIEW COMM COLL	MO	920	294	626	2	12	36	34	14	3	0	
2368 SOUTHWEST BAPTIST U	MO	918	282	636	1	7	26	32	24	9	0	
2281 ST CHARLES COMM COLL	MO	890	388	502	1	12	40	32	12	2	0	
2342 ROCKHURST UNIVERSITY	MO	743	155	588	2	8	23	33	23	11	1	
1428 KANSAS STATE UNIV	KS	702	172	530	1	6	21	35	26	10	1	
2313 JEFFERSON COLLEGE	MO	666	272	394	2	13	40	31	12	2	0	
2331 MAPLE WOODS CC	MO	651	211	440	2	12	38	34	11	2	0	
2372 THREE RIVERS C C	MO	628	216	412	2	16	44	27	9	2	0	
2392 WESTMINSTER C-MO	MO	616	139	477	0	4	23	38	26	9	0	
2278 AVILA UNIVERSITY	MO	606	151	455	3	16	35	31	13	3	0	
2270 CENTRAL METHODIST C	MO	604	209	395	2	12	37	31	15	3	0	
ALL OTHER INSTITUTIONS		42237	11079	31158	2	11	27	28	20	12	2	
TOTALS		115589	33876	81713	1	8	27	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	( 676)	(19.6)	BUSINESS & OFFICE	( 240)	(20.3)
AGRICULTURAL BUSINESS	55	19.9	BOOKKEEPING/ACCT TECH	36	21.3
AGRICULTURAL ECONOMICS	7	19.0	BUSINESS DP/COMPUTER OPER	5	20.2
AGRICULTURAL MECHANICS	12	18.0	COURT REPORTING	2	17.0
AGRI PRODUCTION/TECH	12	19.8	OFFICE SUPERVISION & MGMT	20	20.5
AGRONOMY	7	21.3	SECRETARIAL	13	18.2
ANIMAL SCIENCES	80	22.1	TYPING & GENERAL OFFICE	2	16.0
FARM & RANCH MANAGEMENT	21	19.3	WORD PROCESSING	2	18.5
FISH, GAME, WILDLIFE MGMT	122	19.0	BUSINESS & OFFICE, GEN	160	20.3
FOOD SCIENCES/ENGINEERING	3	21.0			
FORESTRY & RELATED SCI	15	21.1	MARKETING & DISTRIBUTION	( 356)	(20.5)
HORTICULTURE/ORNMENTAL HORT	13	20.2	FASHION MERCHANDISING	83	19.5
NATURAL RESOURCES MGMT	8	19.5	RETAILING & SALES	21	19.9
AGRICULTURE & AG TECH, GEN	321	19.1	TRAVEL SERVICES & TOURISM	4	18.0
			MARKETING & DISTRIB, GEN	248	21.0
ARCH & ENVIR DESIGN	( 843)	(21.4)			
ARCHITECTURAL DRAFTING	150	20.8	COMMUNICATIONS & COMM TECH	( 1459)	(22.0)
ARCHITECTURE	124	23.3	ADVERTISING	94	21.6
BLDG CON/CONSTRUCTION SCI	34	19.3	GRAPHIC/COMMERCIAL ART	61	20.7
CITY, COMM & REG PLANNING	4	19.8	GRAPHIC & PRINT COMMUNIC	8	17.8
ENVIRONMENTAL DESIGN	1	17.0	JOURNALISM	406	22.9
INTERIOR DESIGN	142	20.1	PHOTO/FILM/VIDEO TECH	68	20.3
LANDSCAPE ARCHITECTURE	32	20.2	PUBLIC RELATIONS	41	21.6
ARCHI & ENVIR DESIGN, GEN	356	22.0	RADIO/TV BROADCASTING	191	20.9
			RADIO/TV PRODUCTN & TECH	21	21.2
BUSINESS & MGMT	( 3802)	(20.9)	COMMUNIC & COMM TECH, GEN	569	22.2
ACCOUNTING	467	20.9			
BANKING & FINANCE	86	22.2	COMMNTY & PRSNL SVCS	( 1078)	(19.3)
BUSINESS ADMIN & MGMT	439	20.1	CORRECTIONS	3	18.0
BUSINESS ECONOMICS	50	21.6	COSMETOLOGY/HAIRSTYLING	75	17.7
CONTRACT MGMT & PURCHSING	5	20.4	CRIMINAL JUSTICE/CRIMINOL	396	19.2
HOTEL/RESTAURANT MGMT	51	19.6	FIRE PROTECTN/SAFETY TECH	37	18.6
HUMAN RESOURCE DEVEL/TRNG	7	19.3	FUNERAL SVCS/MORTUARY SCI	14	18.8
INSTITUTIONAL MANAGEMENT	1	16.0	LAW ENFORCEMENT & ADMIN	114	18.3
INSURANCE & RISK MGMT	5	19.8	LIBRARY SCI/LIB ASSISTING	6	23.0
INTERNATL BUSINESS/MGMT	99	23.9	MILITARY SCIENCE/TECH	17	21.3
LABOR/INDUSTRL RELATIONS	1	17.0	PARKS & RECREATION	3	25.0
MANAGEMENT INFO SYSTEMS	6	21.8	PUBLIC ADMINISTRATION	4	19.0
MANAGEMENT SCIENCE	11	21.1	PUBLIC AFFAIRS	3	20.3
MARKETING MGMT & RESEARCH	115	20.9	SOCIAL WORK	94	20.1
ORGANIZATIONAL BEHAVIOR	1	19.0	COMMNTY & PRSNL SVCS, GEN	312	20.0
PERSONNEL MANAGEMENT	8	19.9			
REAL ESTATE	50	17.9			
SML BUSINESS MGMT/OWNRSHIP	189	19.5			
TRADE & INDUSTRIAL MGMT	2	17.0			
TRANSPORTATION MANAGEMENT	2	18.5			
BUSINESS & MGMT, GEN	2207	21.1			

STATE COMPOSITE FOR  
MISSOURI

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
COMPUTER & INFO SCI	( 1181)	(22.4)	ENGINEERING	( 1519)	(23.3)
COMPUTER PROGRAMMING	412	22.2	AEROSPACE ENGINEERING	143	25.5
COMPUTER SCIENCE	211	23.7	AGRICULTURAL ENGINEERING	18	20.0
DATA PROCESSING	4	22.8	ARCHITECTURAL ENGINEERING	35	23.8
INFO SCIENCES & SYSTEMS	42	20.7	BIOENGINEER & BIOMED ENG	34	26.9
MATH/COMPUTER SCIENCE	16	27.9	CERAMIC ENGINEERING	3	24.3
COMPUTER & INFO SCI, GEN	496	21.9	CHEMICAL ENGINEERING	82	26.6
CROSS-DISC STUDIES	( 37)	(23.6)	CIVIL ENGINEERING	59	23.3
AREA & ETHNIC STUDIES	9	20.8	COMPUTER ENGINEERING	90	21.9
LIBERAL ARTS/GEN STUDIES	8	25.0	CONSTRUCTION ENG/MGMT	33	18.5
MULTI-/INTERDISC STUDIES	6	26.2	ELECTRCL & ELECTRONIC ENG	90	21.2
CROSS-DISC STUDIES, GEN	14	23.6	ENGINEERING MANAGEMENT	7	22.1
EDUCATION	( 2034)	(20.8)	ENGINEERING PHYSICS	13	25.8
ADULT & CONTINUING EDUC	6	24.0	ENGINEERING SCIENCE	1	27.0
EDUCATION ADMINISTRATION	15	19.5	ENVIRONMENTAL HEALTH ENG	1	25.0
ELEMENTARY EDUCATION	615	20.6	GEOLOGICAL & GEOPHYS ENG	2	22.5
JR HIGH/MIDDLE SCH EDUC	100	20.4	INDUSTRIAL ENGINEERING	11	22.6
PRE-ELEMENTARY EDUCATION	108	19.4	MATERIALS ENGINEERING	4	24.8
SECONDARY EDUCATION	320	22.4	MECHANICAL ENGINEERING	155	23.0
STUDENT COUNSELING	27	19.6	METALLURGICAL ENGINEERING	5	24.8
TEACHER AIDE	3	14.3	MINING & MINERAL ENG	2	22.5
EDUCATION, GENERAL	840	20.7	NAVAL ARCHIT & MARINE ENG	7	25.4
TEACHER EDUCATION	( 1253)	(20.8)	NUCLEAR ENGINEERING	16	26.5
AGRICULTURAL EDUCATION	20	20.3	OCEAN ENGINEERING	2	14.5
ART EDUCATION	39	20.3	PETROLEUM ENGINEERING	2	18.0
BUSINESS EDUCATION	7	19.9	SYSTEMS ENGINEERING	0	0.0
ENGLISH EDUCATION	63	22.7	ENGINEERING, GENERAL	704	22.9
FOREIGN LANGUAGES EDUC	10	22.0	ENGINEERING-RELATED TECH	( 850)	(22.6)
HEALTH EDUCATION	4	17.0	AERONAUTICAL TECHNOLOGY	47	25.2
HUMAN, FAM/CONS SCI EDUC	7	19.3	AC, HEATING, REFRIG TECH	8	16.0
INDUSTRIAL ARTS EDUCATION	4	19.0	ARCHITECTURAL DESIGN TECH	39	22.4
MATHEMATICS EDUCATION	41	23.5	BIOMEDICAL EQUIPMENT TECH	4	26.3
MUSIC EDUCATION	146	22.4	CIVIL ENGINEERING TECH	25	24.2
PHYSICAL EDUCATION	174	18.5	COMPUTER ENGINEERING TECH	72	22.8
SCIENCE EDUCATION	19	23.7	CONSTRUCTION/BLDG TECH	21	17.8
SOC STUDIES/SOC SCI EDUC	76	22.5	DRAFTING & DESIGN TECH	27	20.0
SPECIAL EDUCATION	35	18.3	ELECTRICAL ENG TECHNOLOGY	56	19.5
SPEECH CORRECTION EDUC	8	21.5	ELECTRONIC ENG TECHNOLOGY	36	20.9
TEACHING ENGL AS 2ND LANG	5	23.8	ELECTROMECHAN INSTR TECH	5	20.6
TECH/TRADE & IND ED	2	18.0	ENVIRONMENTAL CONTRL TECH	1	31.0
TEACHER EDUCATION, OTHER	43	20.1	INDUSTRIL PRODUCTION TECH	4	20.5
TEACHER EDUCATION, GEN	550	20.6			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
LASER/FIBER-OPTIC TECH	9	22.4	HUMAN, FAMILY/CONS SCI	( 500)	(19.3)
MANUFACTURING TECHNOLOGY	0	0.0	CHILD DEV, CARE, GUIDANCE	73	18.0
MECHANICAL ENG TECH	79	22.6	CHILD CARE AIDE/ASSISTING	17	16.8
MINING & PETROLEUM TECH	3	27.0	CULINARY ARTS	92	19.4
OCCUPATL SFTY & HLTH TECH	2	18.5	FAMILY/CONS RESOURCE MGMT	4	17.3
SURVEYING & MAPPING TECH	1	15.0	FASHION DESIGN	71	19.4
ENGINEERING TECH, OTHER	16	23.1	FOOD PRODUCTN, MGMT, SVCS	13	21.0
ENGINEER-RELATD TECH, GEN	395	23.3	FOOD SCI & NUTR/DIETETICS	25	21.1
			HUMAN ENVIRON & HOUSING	2	21.5
FOREIGN LANGUAGES	( 172)	(24.5)	INDIVIDUAL & FAMILY DEVEL	6	18.0
ASIATIC LANGUAGES	16	28.4	TEXTILES AND CLOTHING	9	19.9
CLASSICAL LANGUAGES	6	31.2	HUMAN, FAM/CONS SCI, GEN	188	19.6
FRENCH	15	24.9			
GERMAN	13	23.2	LETTERS	( 240)	(25.0)
ITALIAN	3	25.3	CLASSICS	0	0.0
MIDDLE EASTERN LANGUAGES	5	22.0	COMPARATIVE LITERATURE	0	0.0
RUSSIAN	1	13.0	CREATIVE WRITING	100	23.6
SPANISH	50	23.2	ENGLISH, GENERAL	65	26.6
FOREIGN LANGUAGES, OTHER	7	25.9	LINGUISTICS	7	23.7
FOREIGN LANGUAGES, GEN	56	24.3	LITERATURE, ENGLISH/AMER	19	25.0
			SPEECH & RHETORICAL STUDY	1	32.0
HEALTH SCI & ALLIED HLTH	( 6846)	(21.0)	LETTERS, GENERAL	48	25.6
CHIROPRACTIC	40	19.5			
DENTAL ASSISTING	22	17.9	MATHEMATICS	( 164)	(25.0)
DENTAL HYGIENE	75	18.2	ACTUARIAL SCIENCES	13	26.5
DENTAL LAB/TECHNOLOGY	1	28.0	APPLIED MATHEMATICS	10	24.4
DENTISTRY	151	21.4	STATISTICS	12	23.1
EMERG MED TECH/PARAMEDIC	44	18.4	MATHEMATICS, GENERAL	129	25.1
HEALTH CARE ADMIN	12	19.4			
MEDICAL/SURG ASSISTING	88	20.0	PHILOS, RELIG & THEOLOGY	( 341)	(21.9)
MEDICAL LAB/TECHNOLOGY	34	22.7	BIBLE STUDIES	31	21.7
MED RECORDS ADMIN/TECH	15	18.0	PHILOSOPHY	29	23.4
MEDICINE	934	23.8	RELIGION	42	21.1
MNTL HLTH & HUM SVCS/TECH	35	21.3	RELIGIOUS EDUCATION	35	20.5
NUCLEAR MEDICINE TECH	8	20.5	RELIGIOUS MUSIC	22	21.8
NURSING (PRACTICAL)	204	17.8	THEOLOGY	33	22.5
NURSING (REGISTERED)	963	19.1	PHILOS, RELIG & THEOL, GEN	149	22.2
OCCUPATNL THERAPY/ASSIST	49	20.0			
OPTOMETRY	28	22.4			
PHARMACY	386	22.5			
PHYSICIAN ASSISTING	27	22.3			
PHYSICAL THERAPY/ASSIST	580	20.7			
RADIOLOGY/RADIOLOGIC TECH	167	19.4			
REC/ART/MUSIC THERAPY	12	24.5			
RESPIRATORY THERAPY/TECH	6	17.7			
SPEECH PATHOL/AUDIOLOGY	36	21.6			
VETERINARIAN ASSISTING	50	17.8			
VETERINARY MEDICINE	269	22.2			
HEALTH SCI & ALLIED, GEN	2610	21.1			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
SCIENCES (BIOL & PHYSICAL) (	1549)	(24.0)	VISUAL/PERFORM ARTS	( 2542)	(21.4)
ASTRONOMY	34	24.3	APPLIED DESIGN/CRAFTS	16	21.7
ATMOSPHER SCI & METEOROL	57	22.1	ART	169	20.4
BIOCHEMISTRY & BIOPHYSICS	86	26.5	ART HIST & APPRECIATION	14	22.3
BIOLOGY	387	24.4	CINEMATOGRAPHY/FILM/VIDEO	144	22.9
BOTANY	9	23.2	DANCE	61	20.0
CHEMISTRY	172	24.8	DESIGN, GENERAL	82	21.2
EARTH SCIENCE	16	18.6	DRAMA/THEATRE ARTS	236	22.0
ECOLOGY/ENV STUDIES	34	23.6	FINE ARTS, GENERAL	60	22.3
GEOLOGY	5	24.2	GRAPHIC ARTS TECHNOLOGY	61	21.0
MICROBIOLOGY	19	23.3	GRAPHIC DESIGN	199	21.5
OCEANOGRAPHY	33	21.3	MUSIC (LIBERAL ARTS)	80	23.0
PHYSICS	66	27.3	MUSIC PERFORMANCE	297	22.4
ZOOLOGY	121	22.1	MUSIC THEORY & COMPOSIT	72	22.8
SCIENCES (BIO & PHYS), GEN	510	23.7	PHOTOGRAPHY	140	19.8
			VISUAL/PERFORM ARTS, GEN	911	20.9
SOCIAL SCIENCES	( 2712)	(22.3)	UNDECIDED	( 4733)	(21.8)
ANTHROPOLOGY	36	23.8			
ECONOMICS	8	26.9			
GEOGRAPHY	5	23.0			
HISTORY	176	24.1			
INTERNATIONAL RELATIONS	60	25.9			
LAW	542	22.1			
PARALEGAL/LEGAL ASSISTING	28	16.9			
POLITICAL SCI/GOVERNMENT	203	24.3			
PSYCHOLOGY	911	21.6			
SOCIOLOGY	67	20.2			
URBAN STUDIES	2	27.5			
SOCIAL SCIENCES, GENERAL	674	22.2			
TRADE & INDUSTRIAL	( 512)	(19.0)			
AIRCRAFT TECHNICIAN	7	20.6			
AIRPLANE PILOTING & NAVIG	66	21.6			
AUTOMOTIVE BODY REPAIR	41	18.2			
AUTOMOTIVE TECHNOLOGY	92	18.7			
AVIATION MANAGEMENT	2	14.5			
COMPUTER ELECTRNCS/REPAIR	14	18.8			
CONSTRCT TRADES & CARPENT	30	17.9			
DIESEL MECHANICS & TECH	14	19.2			
DRAFTING	4	19.5			
ELECTRICAL EQUIP REPAIR	14	16.6			
HEATING, AC, REFRIG MECH	11	16.6			
MACHINE TECHNOLOGY	14	21.3			
MECHANICAL DRAFTING	1	20.0			
WELDING & WELDING TECH	22	16.7			
TRADE & INDUSTRIAL, GEN	180	18.9			

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)	159	17.3	57	17.5	99	17.1	29	17.7	129	17.2
BUSINESS OPER (04-05)	286	17.5	77	19.2	206	16.8	121	17.3	160	17.6
TECHNICAL (06-07)	624	17.8	157	19.2	461	17.3	415	17.8	204	17.8
SCIENCE & TECH (08-09)	367	18.4	125	19.0	233	18.1	193	18.7	173	18.0
ARTS (10-11)	195	17.9	67	18.5	125	17.6	56	18.0	137	17.9
SOCIAL SERVICE (12-01)	164	17.4	40	18.7	121	17.0	40	17.0	124	17.5
OTHER*	652	17.5	192	18.4	429	17.0	263	17.5	387	17.4
TOTAL	2447	17.7	715	18.7	1674	17.3	1117	17.8	1314	17.6
<u>PLAN ON 4-YEARS OR MORE OF COLLEGE</u>										
ADMIN & SALES (02-03)	3918	21.4	2483	22.3	1384	19.7	1330	22.2	2569	20.9
BUSINESS OPER (04-05)	2961	21.2	1811	22.2	1117	19.7	1456	21.2	1498	21.2
TECHNICAL (06-07)	4233	21.6	2660	22.7	1504	19.8	2749	21.8	1471	21.4
SCIENCE & TECH (08-09)	5752	22.7	3817	23.7	1833	20.7	2881	23.1	2854	22.4
ARTS (10-11)	3988	22.6	2554	23.5	1368	21.1	1225	23.3	2746	22.3
SOCIAL SERVICE (12-01)	3880	21.6	2418	22.4	1402	20.2	1117	22.1	2751	21.4
OTHER*	10137	21.8	6027	22.8	3595	20.1	4518	22.1	5578	21.5
TOTAL	34869	21.9	21770	22.9	12203	20.2	15276	22.3	19467	21.6

\* 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	15574	3.19	3.08	3.37	3.21	3.22	0.61
FEMALE	20601	3.44	3.15	3.47	3.31	3.35	0.56
NO RESPONSE	137	3.12	2.99	3.31	3.11	3.14	0.55
AFRICAN-AMERICAN/BLACK	3671	2.93	2.64	3.01	2.81	2.85	0.61
CAUCASIAN-AMERICAN/WHITE	29025	3.38	3.18	3.48	3.33	3.35	0.56
OTHER MINORITY	1896	3.33	3.19	3.42	3.28	3.31	0.58
MISSING/PREFER NO RESP	1720	3.29	3.06	3.38	3.24	3.25	0.60
TOTAL	36312	3.33	3.12	3.42	3.27	3.29	0.59

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 52, THIS MEANS THAT 52% 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 44 PERCENT OF STUDENTS SCORED BELOW 21.

TABLE 4 EXAMPLE

STD SCORE	ACT COMPOSITE	
	FREQ	CP
36	9	99
35	76	99
34	159	99
33	333	99
32	521	99
31	740	97
30	1174	96
29	806	93
28	1361	91
27	1747	88
26	2020	84
25	2372	79
24	2813	73
23	3029	67
22	3237	60
21	3496	52 <-- 52% OF THE STUDENTS SCORE AT OR BELOW 21
20	3256	44 <-- 44% OF THE STUDENTS SCORE BELOW 21
19	3234	36
18	3233	29
17	2692	21
16	2184	15
15	1694	10
14	1256	6
13	724	3
12	382	1
11	124	1
10	24	1
9	7	1
8	2	1
7	0	1
6	0	1
5	0	1
4	0	1
3	0	1
2	0	1
1	0	1

