

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

**STATE COMPOSITE FOR  
MASSACHUSETTS**

**CODE 220-000**



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	2243	1913 45/ 38	21.7/21.2	22.0/21.6	22.7/22.0	21.7/21.0	22.2/21.6
2001-02	2330	2137 42/ 39	21.8/21.1	22.0/21.5	22.8/22.0	21.5/20.8	22.2/21.5
2002-03	2507	2730 36/ 40	22.1/21.6	22.5/22.0	23.1/22.7	21.7/21.3	22.5/22.0
2003-04	2837	3153 37/ 41	22.2/21.8	22.3/22.1	23.1/22.7	21.8/21.6	22.5/22.2
2004-05	2891	3229 35/ 40	22.7/22.2	22.9/22.5	23.7/23.2	22.1/21.9	23.0/22.6

EXECUTIVE SUMMARY - AVERAGE ACT SCORES FOR TOTAL GROUP

	NUMBER	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
2000-01	5008	21.5	21.9	22.3	21.3	21.9
2001-02	5501	21.6	22.0	22.5	21.2	21.9
2002-03	6886	22.0	22.3	22.9	21.5	22.3
2003-04	7748	22.1	22.3	22.9	21.7	22.4
2004-05	8168	22.5	22.8	23.4	22.0	22.8

EXECUTIVE SUMMARY - ACT SCORE QUARTILE VALUES FOR TOTAL GROUP

	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
Q3 (75TH PERCENTILE)	26.5	26.4	27.6	24.7	26.1
Q2 (50TH PERCENTILE - MEDIAN)	22.3	23.0	23.4	21.8	22.8
Q1 (25TH PERCENTILE)	18.7	18.5	19.3	19.1	19.5

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= 110)	(N= 5)	(N= 2130)	(N= 12)	(N= 104)	(N= 51)
ENGLISH	18.6	19.8	22.9	22.1	22.2	20.3
USAGE/MECH	9.1	10.0	11.8	11.0	11.5	10.3
RHET SKILLS	9.6	10.2	11.7	11.8	11.2	10.4
MATHEMATICS	19.0	21.6	23.1	23.2	23.9	20.7
PRE/ELEM-ALG	10.1	11.0	12.5	12.7	12.9	11.3
ALG/CRD-GEOM	9.4	11.0	11.5	11.4	12.0	10.2
PLANE GEOM/TRIG	9.1	11.2	11.6	11.6	11.9	10.1
READING	19.8	19.6	23.9	24.4	23.1	20.9
SOC STU/SCI	9.7	9.2	12.0	12.0	11.7	10.2
ARTS/LITERATURE	10.4	10.6	12.5	13.3	12.0	11.0
SCIENCE	18.7	20.4	22.3	23.3	22.4	19.9
COMPOSITE	19.1	20.4	23.2	23.3	23.0	20.5
LESS THAN CORE	(N= 158)	(N= 6)	(N= 2269)	(N= 17)	(N= 133)	(N= 94)
ENGLISH	17.5	22.7	22.6	22.3	21.5	18.0
USAGE/MECH	8.4	12.3	11.6	11.9	11.0	8.9
RHET SKILLS	9.1	11.2	11.5	11.1	10.9	9.1
MATHEMATICS	18.3	23.5	22.7	21.6	24.0	19.5
PRE/ELEM-ALG	9.4	14.2	12.2	12.2	12.9	10.2
ALG/CRD-GEOM	9.1	11.8	11.3	10.4	12.0	9.7
PLANE GEOM/TRIG	8.9	11.2	11.3	11.1	12.0	9.5
READING	18.1	25.0	23.5	21.6	22.2	19.3
SOC STU/SCI	9.0	12.7	11.7	10.7	11.3	9.3
ARTS/LITERATURE	9.1	12.7	12.4	11.4	11.2	9.9
SCIENCE	18.0	21.8	22.1	21.2	22.1	18.8
COMPOSITE	18.1	23.3	22.9	21.8	22.6	19.1
NO RESPONSE	(N= 61)	(N= 5)	(N= 1327)	(N= 10)	(N= 60)	(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 R ICAN, HISPANIC AVERAGE
TOTAL GROUP	(N= 329)	(N= 16)	(N= 5726)	(N= 39)	(N= 297)	(N= 171)
ENGLISH	17.8	19.4	22.8	22.7	22.0	19.2
USAGE/MECH	8.7	10.1	11.7	11.7	11.3	9.6
RHET SKILLS	9.2	9.9	11.6	11.7	11.1	9.8
MATHEMATICS	18.7	20.9	22.8	22.9	24.1	20.1
PRE/ELEM-ALG	9.8	11.3	12.3	12.8	13.1	10.7
ALG/CRD-GEOM	9.3	10.9	11.4	11.2	12.0	10.0
PLANE GEOM/TRIG	9.0	10.4	11.4	11.5	12.0	9.8
READING	18.7	21.1	23.7	23.3	22.9	20.4
SOC STU/SCI	9.2	10.0	11.8	11.5	11.6	9.9
ARTS/LITERATURE	9.6	11.1	12.4	12.6	11.8	10.5
SCIENCE	18.3	20.3	22.2	22.2	22.4	19.5
COMPOSITE	18.5	20.6	23.0	22.9	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 R ICAN, HISPANIC NUMBER AVG
HIGH SCHOOL AVERAGE						
3.50 - 4.00	42 21.7	2 22.5	1519 25.5	6 23.7	111 24.8	46 22.7
3.00 - 3.49	65 19.9	2 26.0	1312 22.4	13 21.8	59 21.7	39 19.1
2.50 - 2.99	67 17.1	2 18.5	506 20.2	3 19.0	28 19.1	23 18.4
2.00 - 2.49	34 16.0	1 15.0	146 18.1	0 0.0	4 15.0	11 15.4
1.99 & BELOW	9 16.0	0 0.0	25 17.3	0 0.0	1 26.0	2 16.5
CGPA PRED BY STUDENT						
3.5 - 4.0	43 21.1	5 24.8	1238 26.0	7 24.0	83 25.7	49 23.2
3.0 - 3.4	115 19.0	5 20.6	2199 22.6	18 21.6	113 21.6	59 18.8
2.5 - 2.9	55 17.6	2 15.0	649 19.8	3 21.3	25 19.0	29 16.9
2.0 - 2.4	33 16.1	0 0.0	154 17.4	1 28.0	8 16.4	6 15.2
1.9 & BELOW	8 14.1	0 0.0	14 16.0	0 0.0	0 0.0	0 0.0
HIGH SCHOOL RANK						
TOP QUARTER	57 20.9	9 23.3	1871 25.2	10 24.5	123 24.6	55 22.0
2ND QUARTER	104 18.0	1 15.0	1250 21.7	14 22.0	58 20.3	45 18.4
BOTTOM HALF	68 17.2	2 16.0	587 18.7	3 17.7	21 19.4	27 17.5



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	1156	14	448	5	85	1	19	0
	FEMALE	1883	23	920	11	200	2	28	0
	TOTAL	3081	38	1380	17	286	4	48	1
NO. & VARIETY OF COURSE OFFERINGS	MALE	1036	13	395	5	258	3	19	0
	FEMALE	1636	20	723	9	634	8	37	0
	TOTAL	2704	33	1128	14	904	11	58	1
GRADING PRACTICES & POLICIES	MALE	935	11	579	7	177	2	16	0
	FEMALE	1573	19	1071	13	344	4	38	0
	TOTAL	2541	31	1666	20	526	6	56	1
NO. & KINDS OF TESTS GIVEN	MALE	920	11	635	8	128	2	21	0
	FEMALE	1521	19	1197	15	269	3	29	0
	TOTAL	2472	30	1849	23	403	5	52	1
GUIDANCE SERV PROVIDED BY GUIDANCE OFFICE	MALE	979	12	455	6	239	3	33	0
	FEMALE	1578	19	781	10	596	7	66	1
	TOTAL	2590	32	1251	15	842	10	100	1
SCHOOL RULES, REGULATIONS, & POLICIES	MALE	707	9	612	7	365	4	25	0
	FEMALE	1248	15	1081	13	650	8	44	1
	TOTAL	1977	24	1711	21	1029	13	70	1
LIBRARY OR LEARNING CENTER	MALE	944	12	520	6	207	3	33	0
	FEMALE	1627	20	933	11	397	5	65	1
	TOTAL	2606	32	1465	18	610	7	101	1
LABORATORY FACILITIES	MALE	870	11	541	7	255	3	36	0
	FEMALE	1447	18	943	12	560	7	65	1
	TOTAL	2346	29	1495	18	826	10	106	1
PROVISIONS FOR SPECIAL HELP IN READING, MATH, ETC	MALE	688	8	525	6	120	1	366	4
	FEMALE	1166	14	930	11	298	4	616	8
	TOTAL	1878	23	1474	18	423	5	988	12
PROVISIONS FOR ACADEMICALLY OUTSTANDING STU	MALE	1093	13	417	5	94	1	100	1
	FEMALE	1953	24	732	9	189	2	135	2
	TOTAL	3083	38	1161	14	285	3	239	3
ADEQUACY OF PROG IN CAREER EDUC & PLANNING	MALE	727	9	597	7	257	3	120	1
	FEMALE	1161	14	1040	13	543	7	255	3
	TOTAL	1909	23	1656	20	808	10	382	5

NUMBER OF STUDENTS - 8168

TABLE 4 ACT SCORE DISTRIBUTIONS, CUMULATIVE PERCENTAGES, AND AVERAGES FOR ALL STUDENTS (NUMBER OF STUDENTS = 8168)

STD SCORE	ACT ENGLISH		ACT MATHEMATICS		ACT READING		ACT SCIENCE		ACT COMPOSITE	
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP
36	13	99	15	99	100	99	21	99	2	99
35	36	99	40	99	119	99	34	99	9	99
34	159	99	105	99	198	97	49	99	41	99
33	125	97	81	98	192	95	37	99	67	99
32	141	96	120	97	214	93	105	98	107	99
31	179	94	181	96	238	90	46	97	183	97
30	198	92	177	93	370	87	105	96	254	95
29	438	90	327	91	338	82	186	95	301	92
28	365	84	380	87	308	78	254	93	389	88
27	366	80	552	83	551	75	293	90	465	83
26	466	75	642	76	522	68	467	86	601	78
25	541	70	510	68	412	61	569	80	622	70
24	495	63	651	62	460	56	647	73	626	63
23	467	57	616	54	590	51	833	66	623	55
22	611	51	360	46	457	44	613	55	619	47
21	605	44	400	42	360	38	860	48	606	40
20	550	36	534	37	606	34	794	37	589	32
19	453	30	426	30	371	26	596	28	513	25
18	360	24	557	25	292	22	561	20	399	19
17	378	20	529	18	307	18	329	13	357	14
16	272	15	478	12	271	14	278	9	310	10
15	369	12	289	6	213	11	166	6	202	6
14	188	7	115	2	269	8	89	4	145	3
13	122	5	58	1	183	5	71	3	79	2
12	87	3	17	1	149	3	54	2	33	1
11	59	2	5	1	47	1	40	1	16	1
10	47	2	1	1	11	1	48	1	8	1
9	27	1	1	1	11	1	14	1	0	1
8	29	1	1	1	3	1	5	1	2	1
7	14	1	0	1	4	1	3	1	0	1
6	6	1	0	1	0	1	1	1	0	1
5	1	1	0	1	0	1	0	1	0	1
4	1	1	0	1	1	1	0	1	0	1
3	0	1	0	1	1	1	0	1	0	1
2	0	1	0	1	0	1	0	1	0	1
1	0	1	0	1	0	1	0	1	0	1

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

33-36	333	4	241	3	609	7	141	2	119	1
28-32	1321	16	1185	15	1468	18	696	9	1234	15
24-27	1868	23	2355	29	1945	24	1976	24	2314	28
20-23	2233	27	1910	23	2013	25	3100	38	2437	30
16-19	1463	18	1990	24	1241	15	1764	22	1579	19
13-15	679	8	462	6	665	8	326	4	426	5
01-12	271	3	25	0	227	3	165	2	59	1

AVG(SD) 22.5( 5.6) 22.8( 5.0) 23.4( 6.0) 22.0( 4.4) 22.8( 4.7)

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

TABLE 5 ACT SUBSCORE DISTRIBUTIONS, CUMULATIVE PERCENTAGES, AND AVERAGES FOR ALL STUDENTS (NUMBER OF STUDENTS = 8168)

STD SCORE	USAGE/MECH		RHET SKILLS		SOC STU/SCI		ARTS/LIT		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	
18	325	99	52	99	236	99	571	99	18
17	502	96	155	99	596	97	632	93	17
16	447	90	509	97	534	90	702	85	16
15	754	84	618	91	628	83	787	77	15
14	631	75	876	84	709	76	617	67	14
13	654	67	755	73	695	67	715	59	13
12	830	59	1156	64	913	58	1021	51	12
11	866	49	997	50	722	47	595	38	11
10	704	39	1013	37	792	38	573	31	10
9	640	30	831	25	758	29	466	24	9
8	630	22	508	15	695	19	429	18	8
7	484	15	326	9	390	11	417	13	7
6	356	9	198	5	219	6	301	8	6
5	156	4	107	2	113	3	235	4	5
4	121	2	40	1	95	2	72	1	4
3	38	1	23	1	44	1	25	1	3
2	27	1	3	1	21	1	9	1	2
1	3	1	1	1	8	1	1	1	1
AVERAGE		11.6		11.5		11.7		12.3	
S.D.		3.6		2.9		3.5		3.7	

STD SCORE	PRE/ELEM		ALG CP	ALG/CRD-GEOM		PLN GEOM/TRIG		STD SCORE
	FREQ	CP		FREQ	CP	FREQ	CP	
18	315	99	101	99	109	99	18	
17	423	96	117	99	94	99	17	
16	825	91	284	97	379	98	16	
15	653	81	438	94	587	93	15	
14	1044	73	1051	88	880	86	14	
13	928	60	686	76	919	75	13	
12	643	49	1444	67	1174	64	12	
11	782	41	929	50	755	49	11	
10	671	31	931	38	1368	40	10	
9	519	23	1130	27	669	23	9	
8	746	17	435	13	457	15	8	
7	447	8	245	8	348	10	7	
6	115	2	143	5	223	5	6	
5	34	1	115	3	5	3	5	
4	16	1	75	1	134	2	4	
3	3	1	28	1	10	1	3	
2	3	1	9	1	43	1	2	
1	1	1	7	1	14	1	1	
AVERAGE		12.3		11.3		11.4		
S.D.		3.2		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	3124	22.0	5.5	23.4	5.2	22.9	6.1	22.5	4.7	22.8	4.8
FEMALES	4922	22.8	5.6	22.3	4.8	23.8	5.9	21.7	4.2	22.8	4.6
NO RESPONSE	122	22.2	5.2	22.4	4.8	23.5	5.8	21.7	4.3	22.6	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	4	4	5	2	7	8	3	1	2	1		
28-32	14	18	17	13	16	19	11	7	16	15		
24-27	21	24	29	28	22	25	25	24	27	29		
20-23	29	26	21	25	25	24	36	39	30	30		
16-19	19	17	22	26	17	14	19	23	20	19		
13-15	9	8	5	6	10	7	4	4	5	5		
01-12	4	3	0	0	3	2	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	1539	29	24.4	9	13	16	19	1309	31	205	25
GOOD	1887	36	22.3	21	31	26	31	1529	36	311	39
AVERAGE	711	14	20.3	6	9	17	20	549	13	139	17
BELOW AVERAGE	128	2	19.5	7	10	3	4	94	2	24	3
VERY INADEQUATE	322	6	21.7	9	13	7	8	260	6	46	6
NO RESPONSE	647	12	22.9	16	24	16	19	533	12	82	10
NO. OF STUDENTS	5234			68		85		4274		807	

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	8168	22.5	5.6	22.8	5.0	23.4	6.0	22.0	4.4	22.8	4.7
COLLEGE CORE											
E4, M3, SS3, NS3	2891	22.7	5.4	22.9	4.9	23.7	5.9	22.1	4.4	23.0	4.5
In between	2209	22.4	5.8	22.5	5.2	23.2	6.1	21.9	4.6	22.6	4.9
E4, M2, SS2, NS2	1020	21.9	5.6	22.4	5.0	23.0	5.9	21.7	4.6	22.4	4.7
No Response	2048	22.7	5.5	22.9	5.0	23.5	5.9	22.0	4.4	22.9	4.6
HS GPA RANGES											
3.50 - 4.00	2098	25.3	4.9	25.4	4.5	26.3	5.3	24.1	4.1	25.4	4.0
3.00 - 3.49	1756	21.8	5.0	22.2	4.5	22.7	5.5	21.6	3.9	22.2	4.1
2.50 - 2.99	733	19.2	4.8	19.5	3.9	20.0	5.1	19.5	3.9	19.7	3.8
2.00 - 2.49	228	16.7	4.5	17.5	3.3	17.6	4.5	17.8	3.8	17.5	3.4
1.99 & below	45	16.3	4.7	17.1	3.0	17.8	4.9	17.4	3.3	17.2	3.3

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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	551	7	3.35	22.4	22.6
ENG 9, ENG 10, ENG 11, ENG 12	4836	59	3.35	22.5	22.8
LESS THAN 4 YEARS OF ENGLISH	696	9	3.33	21.9	22.4
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	2085	26	- . -	22.7	22.9
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	700	9	3.51	25.5	25.1
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	577	7	3.23	22.5	22.7
ALG 1, ALG 2, GEOM, TRIG	588	7	3.13	20.8	21.3
ALG 1, ALG 2, GEOM, OTHER ADV MATH	948	12	3.11	20.8	21.5
ALG 1, ALG 2, GEOM	622	8	2.74	18.8	19.5
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	1680	21	3.47	25.1	24.6
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	391	5	3.28	23.1	22.9
LESS THAN 3 YEARS OF MATH	474	6	2.92	21.4	21.5
NO MATH COURSE/GRADE INFORMATION REPORTED	2188	27	- . -	22.9	22.9
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	375	5	3.47	24.0	23.2
US HIST, WORLD HIST, AM GOVT	339	4	3.47	23.1	22.6
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	892	11	3.46	23.5	22.6
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	1695	21	3.44	23.4	22.8
LESS THAN 3 YEARS OF SOC SCI	2640	32	3.39	23.3	22.7
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	2227	27	- . -	23.6	23.0
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	2566	31	3.42	22.7	23.5
BIOLOGY, CHEMISTRY, PHYSICS	1078	13	3.34	23.1	24.2
GEN SCIENCE, BIOLOGY, CHEMISTRY	1427	17	3.16	20.5	21.1
OTHER COMBINATIONS OF 3 YEARS NAT SCI	108	1	3.16	21.4	22.1
LESS THAN 3 YEARS OF NAT SCI	732	9	3.09	20.6	21.2
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	2257	28	- . -	22.0	23.0

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FOR MALES

ENGLISH COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS ENGLISH	ACT ENGLISH	ACT COMP
ENG 9, ENG 10, ENG 11, ENG 12, SPEECH	224	7	3.28	21.9	22.7
ENG 9, ENG 10, ENG 11, ENG 12	1682	54	3.21	22.1	23.0
LESS THAN 4 YEARS OF ENGLISH	273	9	3.19	21.2	22.5
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	945	30	- . -	22.1	22.8
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	249	8	3.47	26.0	25.1
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	168	5	3.16	23.3	22.5
ALG 1, ALG 2, GEOM, TRIG	195	6	3.08	21.2	21.1
ALG 1, ALG 2, GEOM, OTHER ADV MATH	287	9	3.02	21.0	21.0
ALG 1, ALG 2, GEOM	207	7	2.74	19.4	19.5
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	707	23	3.44	25.8	24.7
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	157	5	3.20	23.4	23.0
LESS THAN 3 YEARS OF MATH	176	6	2.91	22.1	21.5
NO MATH COURSE/GRADE INFORMATION REPORTED	978	31	- . -	23.4	22.8
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	164	5	3.36	23.6	23.2
US HIST, WORLD HIST, AM GOVT	144	5	3.36	21.8	22.2
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	340	11	3.43	23.4	22.8
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	561	18	3.38	23.1	22.9
LESS THAN 3 YEARS OF SOC SCI	919	29	3.32	22.8	22.9
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	996	32	- . -	22.9	22.8
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	1005	32	3.35	23.1	23.5
BIOLOGY, CHEMISTRY, PHYSICS	452	14	3.27	23.5	24.0
GEN SCIENCE, BIOLOGY, CHEMISTRY	379	12	3.03	21.0	21.0
OTHER COMBINATIONS OF 3 YEARS NAT SCI	52	2	3.08	21.2	21.3
LESS THAN 3 YEARS OF NAT SCI	230	7	2.96	21.1	21.1
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	1006	32	- . -	22.3	22.8

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FOR FEMALES

ENGLISH COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS ENGLISH	ACT ENGLISH	ACT COMP
ENG 9, ENG 10, ENG 11, ENG 12, SPEECH	318	6	3.40	22.7	22.6
ENG 9, ENG 10, ENG 11, ENG 12	3096	63	3.42	22.8	22.8
LESS THAN 4 YEARS OF ENGLISH	409	8	3.44	22.3	22.4
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	1099	22	- . -	23.3	23.1
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	444	9	3.54	25.2	25.1
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	402	8	3.26	22.2	22.8
ALG 1, ALG 2, GEOM, TRIG	385	8	3.15	20.5	21.4
ALG 1, ALG 2, GEOM, OTHER ADV MATH	648	13	3.14	20.8	21.7
ALG 1, ALG 2, GEOM	406	8	2.73	18.5	19.5
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	952	19	3.50	24.6	24.4
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	232	5	3.33	23.0	22.9
LESS THAN 3 YEARS OF MATH	287	6	2.93	21.0	21.5
NO MATH COURSE/GRADE INFORMATION REPORTED	1166	24	- . -	22.5	23.0
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	210	4	3.55	24.4	23.3
US HIST, WORLD HIST, AM GOVT	189	4	3.55	24.3	23.1
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	535	11	3.47	23.5	22.4
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	1117	23	3.47	23.6	22.7
LESS THAN 3 YEARS OF SOC SCI	1683	34	3.44	23.5	22.6
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	1188	24	- . -	24.2	23.1
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	1528	31	3.47	22.5	23.6
BIOLOGY, CHEMISTRY, PHYSICS	612	12	3.38	22.8	24.2
GEN SCIENCE, BIOLOGY, CHEMISTRY	1026	21	3.20	20.3	21.1
OTHER COMBINATIONS OF 3 YEARS NAT SCI	54	1	3.24	21.3	22.7
LESS THAN 3 YEARS OF NAT SCI	494	10	3.17	20.4	21.2
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	1208	25	- . -	21.8	23.1

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	31	20.0	42	45	0	0	1	1	1	1
ARCH & ENVIR DESIGN	103	21.6	41	48	3	4	2	2	2	3
BUSINESS & MGMT	575	22.0	30	58	20	19	9	9	13	13
BUSINESS & OFFICE	18	20.7	50	50	0	0	0	0	0	0
MARKETING & DISTRIBUTION	45	19.5	31	56	0	1	1	2	1	1
COMMUNICATION & COMM TEC	251	22.8	35	52	4	4	6	6	6	5
COMMUNITY & PRSNL SVCS	78	20.1	45	44	2	2	2	2	2	2
COMPUTER & INFO SCI	77	23.6	38	52	4	4	0	0	2	2
CROSS-DISC STUDIES	16	24.0	19	69	0	0	0	0	0	0
EDUCATION	189	21.0	47	41	1	1	6	7	4	5
TEACHER EDUCATION	85	20.5	48	41	1	1	2	3	2	2
ENGINEERING	189	24.3	36	53	8	8	2	2	4	4
ENGINEERING-RELATED TECH	152	24.3	34	54	8	8	1	1	3	3
FOREIGN LANGUAGES	36	25.9	31	61	0	0	1	1	1	1
HEALTH SCI & ALLIED HLTH	698	21.7	59	36	7	8	20	22	15	17
HUMAN, FAMILY/CONS SCI	32	20.3	47	41	0	0	1	2	1	1
LETTERS	46	24.8	28	54	1	1	1	1	1	1
MATHEMATICS	19	26.3	32	63	0	0	0	0	0	0
PHILOS, RELIG & THEOL	16	24.1	38	44	0	0	0	0	0	0
SCI (BIOL & PHYSICAL)	359	24.1	34	55	6	6	9	7	8	6
SOCIAL SCIENCES	520	23.1	37	50	10	9	12	12	12	11
TRADE & INDUSTRIAL	15	20.1	47	33	1	1	0	0	0	0
VISUAL & PERFORM ARTS	268	22.4	47	40	5	5	7	7	6	6
UNDECIDED	699	22.9	9	18	16	16	15	14	15	15
NO RESPONSE	3651									

NUMBER OF STUDENTS - 8168



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	153	19.4	2	AFRICAN-AMER/BLACK	329	18.5	4
COLL PREP	4274	22.8	52	AM INDIAN,ALASKAN NTV	16	20.6	0
OTHER/GENERAL/NO RESP	3741	22.9	46	CAUCASIAN-AMER/WHITE	5726	23.0	70
REQUEST ASSISTANCE WITH				MEXICAN-AMER/CHICANO	39	22.9	0
ED/OCCUP PLANS	2155	22.6	26	ASIAN-AMER,PACIFIC ISL	297	23.0	4
EXPR IDEAS IN WRITING	1148	20.9	14	PUERTO RICAN,HISPANIC	171	19.9	2
READING/COMPREHENSION	1344	20.5	16	OTHER	255	21.2	3
STUDY SKILLS	1727	20.6	21	MULTIRACIAL	108	22.3	1
MATH SKILLS	1905	20.6	23	PREFER NOT TO RESPOND	360	23.2	4
PERSONAL CONCERNS	447	21.4	5	NO RESPONSE	867	24.1	11
EXPRESSED FIN NEED				ESTIMATED FAMILY INCOME			
NEED FINANCIAL AID	4962	22.5	61	LESS THAN \$18,000	207	19.4	3
NEED TO FIND WORK	3979	22.2	49	ABOUT \$18,000-\$24,000	196	20.1	2
SPECIAL COLLEGE PROG				ABOUT \$24,000-\$30,000	166	20.1	2
INDEP STUDY	2692	23.5	33	ABOUT \$30,000-\$36,000	193	20.6	2
HONORS COURSES	2665	24.7	33	ABOUT \$36,000-\$42,000	216	21.0	3
ADV PLACEMENT IN COLL				ABOUT \$42,000-\$50,000	296	22.0	4
ENGLISH	1861	24.7	23	ABOUT \$50,000-\$60,000	390	22.1	5
MATH	1457	25.2	18	ABOUT \$60,000-\$80,000	736	22.6	9
SOCIAL STUDIES	1676	24.6	21	ABOUT \$80,000-\$100,000	786	23.0	10
NATURAL SCIENCE	1356	24.8	17	MORE THAN \$100,000	1071	24.0	13
FOREIGN LANG	1326	24.6	16	NO RESPONSE	3911	23.3	48
MAX YEARLY COLL TUITION				HS CLASS RANK			
\$1000 & UNDER	45	18.3	1	TOP QTR	2531	25.0	31
\$1001 - \$2000	25	19.4	0	2ND QTR	1718	21.2	21
\$2001 - \$4000	119	18.9	1	3RD QTR	724	18.8	9
\$4001 - \$7500	328	20.2	4	4TH QTR	91	16.7	1
\$7501 & OVER	406	20.8	5	NO RESPONSE	3104	23.0	38
NO PREFERENCE	3902	22.9	48	EDUC DEG ASPIRATION			
NO RESPONSE	3343	23.4	41	VOC-TECH	7	17.0	0
MOST RECENTLY TESTED				2YR COL DEGREE	43	17.5	1
SOPHOMORE	27	23.0	0	BACHELORS DEGREE	1855	20.8	23
JUNIOR	3740	23.3	46	GRAD STUDY	2008	23.5	25
SENIOR	4173	22.3	51	PROF LEVEL DEGREE	1859	24.0	23
OTHER/NO RESPONSE	228	23.9	3	OTHER	139	19.9	2
COLLEGE CORE PREPARATION				NO RESPONSE	2257	23.2	28
CORE OR MORE	2891	23.0	35	NUMBER OF STUDENTS			
LESS THAN CORE	3229	22.6	40	HOME SCHOOLED	22	24.5	0
NO RESPONSE	2048	22.9	25	EARNED A GED	4	25.5	0
				ALL STUDENTS	8168	22.8	100

TABLE 12 STUDENTS' SCORE REPORT PREFERENCES AT TIME OF TESTING

INSTITUTION CODE NAME	ST	TOTAL NUMBER	1ST CHOICE NUMBER	2ND-6TH CHOICES NUMBER	STANDARD FOR TRANSITION RANGES						
					01- 12 PCT	13- 15 PCT	16- 19 PCT	20- 23 PCT	24- 27 PCT	28- 32 PCT	33- 36 PCT
1924 U OF MASS AMHERST	MA	649	193	456	1	7	24	33	26	9	1
1880 NORTHEASTERN UNIV	MA	518	129	389	1	5	22	35	30	8	0
1788 BOSTON COLLEGE	MA	462	231	231	0	3	10	30	37	19	0
1794 BOSTON UNIVERSITY	MA	411	118	293	1	4	17	27	33	17	1
1906 U OF MASS DARTMOUTH	MA	251	47	204	2	12	38	33	12	2	0
0604 UNIV OF CONNECTICUT	CT	202	38	164	0	3	18	34	35	10	0
1922 TUFTS UNIVERSITY	MA	200	44	156	1	3	7	23	33	30	5
1900 BRIDGEWATER STATE C	MA	189	57	132	3	14	45	29	7	2	0
1942 WORCESTER POLY INST	MA	169	70	99	0	3	13	25	33	22	4
1914 WORCESTER STATE C	MA	167	41	126	1	16	41	37	5	1	0
3806 PROVIDENCE COLLEGE	RI	167	27	140	0	2	11	30	42	16	0
2524 U OF NEW HAMPSHIRE	NH	160	23	137	1	4	18	42	33	3	0
1854 UNIV OF MASS LOWELL	MA	153	32	121	1	8	35	39	13	4	1
1902 FITCHBURG STATE COLL	MA	153	37	116	1	16	40	32	8	3	0
1910 SALEM STATE COLLEGE	MA	152	36	116	1	12	45	31	9	2	0
1782 ASSUMPTION COLLEGE	MA	148	52	96	1	11	31	37	16	3	0
1912 WESTFIELD STATE COLL	MA	143	44	99	1	13	39	38	6	2	0
1918 STONEHILL COLLEGE	MA	143	31	112	1	3	18	35	34	10	0
3818 UNIV OF RHODE ISLAND	RI	142	29	113	1	5	23	37	30	4	1
0582 QUINNIPIAC UNIV	CT	140	36	104	1	2	20	48	25	4	0
3800 BROWN UNIVERSITY	RI	138	43	95	1	1	6	12	33	41	7
1783 BENTLEY COLLEGE	MA	135	49	86	2	4	18	39	26	11	0
1920 SUFFOLK UNIVERSITY	MA	126	19	107	3	9	36	34	15	3	0
1925 U OF MASS BOSTON	MA	123	19	104	0	18	38	28	15	2	0
1810 COLL OF HOLY CROSS	MA	120	26	94	0	3	13	20	49	15	1
1904 FRAMINGHAM STATE COL	MA	115	14	101	1	14	44	30	10	1	0
1864 MERRIMACK COLLEGE	MA	112	21	91	1	3	30	43	22	1	0
2522 SAINT ANSELM COLLEGE	NH	106	21	85	0	1	23	42	30	5	0
2838 NEW YORK UNIVERSITY	NY	103	32	71	0	2	13	24	39	21	1
3816 SALVE REGINA UNIV	RI	101	33	68	0	5	35	36	22	3	0
3814 ROGER WILLIAMS UNIV	RI	100	23	77	0	2	28	41	24	5	0
2968 SYRACUSE UNIVERSITY	NY	95	13	82	0	2	6	26	42	22	1
1824 ENDICOTT COLLEGE	MA	87	22	65	0	10	32	39	16	2	0
1840 HARVARD COLLEGE	MA	87	27	60	0	5	11	16	28	34	6
1808 CLARK UNIVERSITY	MA	83	13	70	0	5	16	22	40	17	1
ALL OTHER INSTITUTIONS		6399	1683	4716	1	7	21	28	27	15	2
TOTALS		12749	3373	9376	1	7	22	30	26	13	1

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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	( 31)	(20.0)	BUSINESS & OFFICE	( 18)	(20.7)
AGRICULTURAL BUSINESS	0	0.0	BOOKKEEPING/ACCT TECH	2	18.5
AGRICULTURAL ECONOMICS	0	0.0	BUSINESS DP/COMPUTER OPER	0	0.0
AGRICULTURAL MECHANICS	0	0.0	COURT REPORTING	0	0.0
AGRI PRODUCTION/TECH	1	18.0	OFFICE SUPERVISION & MGMT	2	14.5
AGRONOMY	0	0.0	SECRETARIAL	0	0.0
ANIMAL SCIENCES	12	20.3	TYPING & GENERAL OFFICE	0	0.0
FARM & RANCH MANAGEMENT	1	18.0	WORD PROCESSING	0	0.0
FISH, GAME, WILDLIFE MGMT	1	22.0	BUSINESS & OFFICE, GEN	14	21.9
FOOD SCIENCES/ENGINEERING	2	18.0			
FORESTRY & RELATED SCI	2	25.0	MARKETING & DISTRIBUTION	( 45)	(19.5)
HORTICULTURE/ORNMENTAL HORT	0	0.0	FASHION MERCHANDISING	15	17.9
NATURAL RESOURCES MGMT	1	23.0	RETAILING & SALES	0	0.0
AGRICULTURE & AG TECH, GEN	11	19.0	TRAVEL SERVICES & TOURISM	0	0.0
			MARKETING & DISTRIB, GEN	30	20.3
ARCH & ENVIR DESIGN	( 103)	(21.6)			
ARCHITECTURAL DRAFTING	11	18.0	COMMUNICATIONS & COMM TECH	( 251)	(22.8)
ARCHITECTURE	32	23.6	ADVERTISING	12	20.8
BLDG CON/CONSTRUCTION SCI	0	0.0	GRAPHIC/COMMERCIAL ART	4	19.5
CITY, COMM & REG PLANNING	0	0.0	GRAPHIC & PRINT COMMUNIC	4	23.0
ENVIRONMENTAL DESIGN	2	21.5	JOURNALISM	43	23.4
INTERIOR DESIGN	15	20.0	PHOTO/FILM/VIDEO TECH	5	22.0
LANDSCAPE ARCHITECTURE	2	19.5	PUBLIC RELATIONS	13	19.7
ARCHI & ENVIR DESIGN, GEN	41	21.6	RADIO/TV BROADCASTING	34	21.8
			RADIO/TV PRODUCTN & TECH	4	20.5
BUSINESS & MGMT	( 575)	(22.0)	COMMUNIC & COMM TECH, GEN	132	23.5
ACCOUNTING	36	21.2			
BANKING & FINANCE	16	23.6	COMMNTY & PRSNL SVCS	( 78)	(20.1)
BUSINESS ADMIN & MGMT	44	20.8	CORRECTIONS	0	0.0
BUSINESS ECONOMICS	14	24.6	COSMETOLOGY/HAIRSTYLING	2	19.0
CONTRACT MGMT & PURCHSING	0	0.0	CRIMINAL JUSTICE/CRIMINOL	44	19.4
HOTEL/RESTAURANT MGMT	16	21.1	FIRE PROTECTN/SAFETY TECH	3	16.7
HUMAN RESOURCE DEVEL/TRNG	0	0.0	FUNERAL SVCS/MORTUARY SCI	0	0.0
INSTITUTIONAL MANAGEMENT	0	0.0	LAW ENFORCEMENT & ADMIN	7	23.0
INSURANCE & RISK MGMT	1	21.0	LIBRARY SCI/LIB ASSISTING	0	0.0
INTERNATL BUSINESS/MGMT	29	23.3	MILITARY SCIENCE/TECH	0	0.0
LABOR/INDUSTRL RELATIONS	0	0.0	PARKS & RECREATION	0	0.0
MANAGEMENT INFO SYSTEMS	2	19.5	PUBLIC ADMINISTRATION	0	0.0
MANAGEMENT SCIENCE	0	0.0	PUBLIC AFFAIRS	1	29.0
MARKETING MGMT & RESEARCH	18	22.4	SOCIAL WORK	6	20.0
ORGANIZATIONAL BEHAVIOR	0	0.0	COMMNTY & PRSNL SVCS, GEN	15	21.1
PERSONNEL MANAGEMENT	0	0.0			
REAL ESTATE	3	20.7			
SML BUSINESS MGMT/OWNRSHIP	11	20.1			
TRADE & INDUSTRIAL MGMT	1	22.0			
TRANSPORTATION MANAGEMENT	1	14.0			
BUSINESS & MGMT, GEN	383	22.1			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
COMPUTER & INFO SCI	( 77)	(23.6)	ENGINEERING	( 189)	(24.3)
COMPUTER PROGRAMMING	17	24.4	AEROSPACE ENGINEERING	15	25.9
COMPUTER SCIENCE	24	23.3	AGRICULTURAL ENGINEERING	0	0.0
DATA PROCESSING	0	0.0	ARCHITECTURAL ENGINEERING	0	0.0
INFO SCIENCES & SYSTEMS	1	28.0	BIOENGINEER & BIOMED ENG	10	25.4
MATH/COMPUTER SCIENCE	2	24.5	CERAMIC ENGINEERING	0	0.0
COMPUTER & INFO SCI, GEN	33	23.2	CHEMICAL ENGINEERING	13	26.0
CROSS-DISC STUDIES	( 16)	(24.0)	CIVIL ENGINEERING	13	23.8
AREA & ETHNIC STUDIES	1	23.0	COMPUTER ENGINEERING	8	19.3
LIBERAL ARTS/GEN STUDIES	10	23.1	CONSTRUCTION ENG/MGMT	1	14.0
MULTI-/INTERDISC STUDIES	0	0.0	ELECTRCL & ELECTRONIC ENG	6	20.8
CROSS-DISC STUDIES, GEN	5	26.0	ENGINEERING MANAGEMENT	0	0.0
EDUCATION	( 189)	(21.0)	ENGINEERING PHYSICS	1	31.0
ADULT & CONTINUING EDUC	0	0.0	ENGINEERING SCIENCE	1	15.0
EDUCATION ADMINISTRATION	0	0.0	ENVIRONMENTAL HEALTH ENG	1	32.0
ELEMENTARY EDUCATION	71	21.0	GEOLOGICAL & GEOPHYS ENG	1	31.0
JR HIGH/MIDDLE SCH EDUC	6	19.3	INDUSTRIAL ENGINEERING	0	0.0
PRE-ELEMENTARY EDUCATION	10	18.4	MATERIALS ENGINEERING	1	25.0
SECONDARY EDUCATION	14	22.6	MECHANICAL ENGINEERING	29	24.8
STUDENT COUNSELING	1	21.0	METALLURGICAL ENGINEERING	0	0.0
TEACHER AIDE	0	0.0	MINING & MINERAL ENG	0	0.0
EDUCATION, GENERAL	87	21.1	NAVAL ARCHIT & MARINE ENG	2	22.5
TEACHER EDUCATION	( 85)	(20.5)	NUCLEAR ENGINEERING	0	0.0
AGRICULTURAL EDUCATION	0	0.0	OCEAN ENGINEERING	2	19.5
ART EDUCATION	1	23.0	PETROLEUM ENGINEERING	1	28.0
BUSINESS EDUCATION	0	0.0	SYSTEMS ENGINEERING	0	0.0
ENGLISH EDUCATION	11	22.1	ENGINEERING, GENERAL	84	24.3
FOREIGN LANGUAGES EDUC	1	16.0	ENGINEERING-RELATED TECH	( 152)	(24.3)
HEALTH EDUCATION	0	0.0	AERONAUTICAL TECHNOLOGY	13	23.3
HUMAN, FAM/CONS SCI EDUC	0	0.0	AC, HEATING, REFRIG TECH	0	0.0
INDUSTRIAL ARTS EDUCATION	0	0.0	ARCHITECTURAL DESIGN TECH	4	21.8
MATHEMATICS EDUCATION	1	13.0	BIOMEDICAL EQUIPMENT TECH	2	27.5
MUSIC EDUCATION	8	20.6	CIVIL ENGINEERING TECH	8	25.0
PHYSICAL EDUCATION	5	19.0	COMPUTER ENGINEERING TECH	7	25.9
SCIENCE EDUCATION	0	0.0	CONSTRUCTION/BLDG TECH	0	0.0
SOC STUDIES/SOC SCI EDUC	3	23.7	DRAFTING & DESIGN TECH	2	18.0
SPECIAL EDUCATION	4	19.8	ELECTRICAL ENG TECHNOLOGY	6	22.5
SPEECH CORRECTION EDUC	1	16.0	ELECTRONIC ENG TECHNOLOGY	2	21.5
TEACHING ENGL AS 2ND LANG	0	0.0	ELECTROMECHAN INSTR TECH	0	0.0
TECH/TRADE & IND ED	0	0.0	ENVIRONMENTAL CONTRL TECH	1	24.0
TEACHER EDUCATION, OTHER	2	22.0	INDUSTRRL PRODUCTION TECH	1	21.0
TEACHER EDUCATION, GEN	48	20.4			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
LASER/FIBER-OPTIC TECH	0	0.0	HUMAN, FAMILY/CONS SCI	( 32)	(20.3)
MANUFACTURING TECHNOLOGY	1	31.0	CHILD DEV, CARE, GUIDANCE	5	22.4
MECHANICAL ENG TECH	21	24.4	CHILD CARE AIDE/ASSISTING	2	20.0
MINING & PETROLEUM TECH	0	0.0	CULINARY ARTS	4	16.3
OCCUPATL SFTY & HLTH TECH	0	0.0	FAMILY/CONS RESOURCE MGMT	0	0.0
SURVEYING & MAPPING TECH	0	0.0	FASHION DESIGN	6	20.7
ENGINEERING TECH, OTHER	2	30.0	FOOD PRODUCTN, MGMT, SVCS	0	0.0
ENGINEER-RELATD TECH, GEN	82	24.5	FOOD SCI & NUTR/DIETETICS	0	0.0
			HUMAN ENVIRON & HOUSING	0	0.0
FOREIGN LANGUAGES	( 36)	(25.9)	INDIVIDUAL & FAMILY DEVEL	2	20.0
ASIATIC LANGUAGES	4	23.5	TEXTILES AND CLOTHING	1	24.0
CLASSICAL LANGUAGES	3	29.7	HUMAN, FAM/CONS SCI, GEN	12	20.5
FRENCH	7	24.7			
GERMAN	0	0.0	LETTERS	( 46)	(24.8)
ITALIAN	0	0.0	CLASSICS	1	30.0
MIDDLE EASTERN LANGUAGES	0	0.0	COMPARATIVE LITERATURE	0	0.0
RUSSIAN	0	0.0	CREATIVE WRITING	14	23.1
SPANISH	6	24.3	ENGLISH, GENERAL	21	25.9
FOREIGN LANGUAGES, OTHER	1	21.0	LINGUISTICS	1	27.0
FOREIGN LANGUAGES, GEN	15	27.3	LITERATURE, ENGLISH/AMER	2	20.5
			SPEECH & RHETORICAL STUDY	0	0.0
HEALTH SCI & ALLIED HLTH	( 698)	(21.7)	LETTERS, GENERAL	7	25.3
CHIROPRACTIC	2	17.5			
DENTAL ASSISTING	0	0.0	MATHEMATICS	( 19)	(26.3)
DENTAL HYGIENE	6	17.2	ACTUARIAL SCIENCES	0	0.0
DENTAL LAB/TECHNOLOGY	0	0.0	APPLIED MATHEMATICS	1	34.0
DENTISTRY	5	23.6	STATISTICS	0	0.0
EMERG MED TECH/PARAMEDIC	1	14.0	MATHEMATICS, GENERAL	18	25.9
HEALTH CARE ADMIN	2	19.0			
MEDICAL/SURG ASSISTING	6	19.2	PHILOS, RELIG & THEOLOGY	( 16)	(24.1)
MEDICAL LAB/TECHNOLOGY	3	24.0	BIBLE STUDIES	2	24.0
MED RECORDS ADMIN/TECH	1	24.0	PHILOSOPHY	3	25.3
MEDICINE	135	23.2	RELIGION	1	26.0
MNTL HLTH & HUM SVCS/TECH	2	21.0	RELIGIOUS EDUCATION	2	20.0
NUCLEAR MEDICINE TECH	1	29.0	RELIGIOUS MUSIC	1	21.0
NURSING (PRACTICAL)	17	18.3	THEOLOGY	2	20.5
NURSING (REGISTERED)	132	19.9	PHILOS, RELIG & THEOL, GEN	5	26.8
OCCUPATNL THERAPY/ASSIST	7	18.7			
OPTOMETRY	0	0.0			
PHARMACY	32	21.9			
PHYSICIAN ASSISTING	5	21.4			
PHYSICAL THERAPY/ASSIST	48	21.4			
RADIOLOGY/RADIOLOGIC TECH	9	17.8			
REC/ART/MUSIC THERAPY	0	0.0			
RESPIRATORY THERAPY/TECH	1	17.0			
SPEECH PATHOL/AUDIOLOGY	4	22.0			
VETERINARIAN ASSISTING	1	24.0			
VETERINARY MEDICINE	22	23.0			
HEALTH SCI & ALLIED, GEN	256	22.3			

STATE COMPOSITE FOR  
MASSACHUSETTS

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
SCIENCES (BIOL & PHYSICAL) (	359)	(24.1)	VISUAL/PERFORM ARTS	( 268)	(22.4)
ASTRONOMY	5	22.2	APPLIED DESIGN/CRAFTS	4	21.5
ATMOSPHER SCI & METEOROL	6	20.5	ART	14	21.6
BIOCHEMISTRY & BIOPHYSICS	33	25.6	ART HIST & APPRECIATION	4	22.8
BIOLOGY	106	24.3	CINEMATOGRAPHY/FILM/VIDEO	21	23.3
BOTANY	1	22.0	DANCE	12	19.9
CHEMISTRY	24	24.5	DESIGN, GENERAL	7	22.1
EARTH SCIENCE	0	0.0	DRAMA/THEATRE ARTS	33	23.1
ECOLOGY/ENV STUDIES	10	23.3	FINE ARTS, GENERAL	4	23.0
GEOLOGY	2	27.5	GRAPHIC ARTS TECHNOLOGY	4	17.0
MICROBIOLOGY	3	28.3	GRAPHIC DESIGN	16	20.6
OCEANOGRAPHY	6	21.8	MUSIC (LIBERAL ARTS)	10	20.2
PHYSICS	7	24.9	MUSIC PERFORMANCE	16	22.3
ZOOLOGY	12	22.0	MUSIC THEORY & COMPOSIT	6	22.2
SCIENCES (BIO & PHYS), GEN	144	23.9	PHOTOGRAPHY	9	21.7
			VISUAL/PERFORM ARTS, GEN	108	23.1
SOCIAL SCIENCES (	520)	(23.1)	UNDECIDED	( 699)	(22.9)
ANTHROPOLOGY	7	24.1			
ECONOMICS	10	25.3			
GEOGRAPHY	0	0.0			
HISTORY	37	24.3			
INTERNATIONAL RELATIONS	16	24.6			
LAW	79	23.0			
PARALEGAL/LEGAL ASSISTING	1	23.0			
POLITICAL SCI/GOVERNMENT	63	24.7			
PSYCHOLOGY	168	21.7			
SOCIOLOGY	9	20.2			
URBAN STUDIES	1	13.0			
SOCIAL SCIENCES, GENERAL	129	23.8			
TRADE & INDUSTRIAL (	15)	(20.1)			
AIRCRAFT TECHNICIAN	0	0.0			
AIRPLANE PILOTING & NAVIG	8	20.4			
AUTOMOTIVE BODY REPAIR	0	0.0			
AUTOMOTIVE TECHNOLOGY	1	20.0			
AVIATION MANAGEMENT	0	0.0			
COMPUTER ELECTRNCES/REPAIR	0	0.0			
CONSTRCT TRADES & CARPENT	0	0.0			
DIESEL MECHANICS & TECH	0	0.0			
DRAFTING	0	0.0			
ELECTRICAL EQUIP REPAIR	0	0.0			
HEATING, AC, REFRIG MECH	0	0.0			
MACHINE TECHNOLOGY	0	0.0			
MECHANICAL DRAFTING	0	0.0			
WELDING & WELDING TECH	0	0.0			
TRADE & INDUSTRIAL, GEN	6	19.8			

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)	1	16.0	1	16.0	0	0.0	0	0.0	1	16.0
BUSINESS OPER (04-05)	7	18.3	5	18.8	2	17.0	2	16.0	4	18.5
TECHNICAL (06-07)	9	18.6	4	17.0	4	20.3	5	18.6	4	18.5
SCIENCE & TECH (08-09)	7	17.3	5	16.4	2	19.5	2	19.0	5	16.6
ARTS (10-11)	3	16.0	1	20.0	2	14.0	0	0.0	3	16.0
SOCIAL SERVICE (12-01)	4	16.5	1	15.0	3	17.0	1	16.0	3	16.7
OTHER*	19	17.1	9	18.8	8	15.6	9	17.2	10	16.9
TOTAL	50	17.4	26	17.8	21	17.0	19	17.6	30	17.1
<u>PLAN ON 4-YEARS OR MORE OF COLLEGE</u>										
ADMIN & SALES (02-03)	614	22.3	329	22.6	254	22.0	223	22.8	384	22.0
BUSINESS OPER (04-05)	356	22.1	169	22.7	172	21.6	162	22.1	191	22.1
TECHNICAL (06-07)	491	22.4	218	22.8	248	22.0	267	22.1	221	22.6
SCIENCE & TECH (08-09)	725	23.5	314	23.6	379	23.7	299	24.0	419	23.2
ARTS (10-11)	649	23.5	294	23.8	326	23.1	154	23.6	488	23.5
SOCIAL SERVICE (12-01)	738	22.8	355	22.9	338	22.6	179	23.0	544	22.7
OTHER*	2149	22.7	829	22.9	925	22.4	840	22.9	1280	22.5
TOTAL	5722	22.8	2508	23.0	2642	22.6	2124	22.9	3527	22.7

\* 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 AVG	HS GPA SD
		ENGLISH	MATH	SOCIAL STUDIES	NATURAL SCIENCE		
MALE	1720	3.22	3.23	3.36	3.24	3.26	0.50
FEMALE	3091	3.42	3.27	3.46	3.35	3.37	0.47
NO RESPONSE	49	3.37	3.22	3.40	3.23	3.31	0.51
AFRICAN-AMERICAN/BLACK	217	2.96	2.88	3.06	2.89	2.94	0.55
CAUCASIAN-AMERICAN/WHITE	3508	3.36	3.26	3.44	3.33	3.34	0.47
OTHER MINORITY	502	3.32	3.31	3.44	3.29	3.33	0.50
MISSING/PREFER NO RESP	633	3.42	3.30	3.46	3.33	3.38	0.47
TOTAL	4860	3.35	3.25	3.43	3.31	3.33	0.48

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 40, THIS MEANS THAT 40% 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 32 PERCENT OF STUDENTS SCORED BELOW 21.

TABLE 4 EXAMPLE

STD SCORE	ACT COMPOSITE	
	FREQ	CP
36	2	99
35	9	99
34	41	99
33	67	99
32	107	99
31	183	97
30	254	95
29	301	92
28	389	88
27	465	83
26	601	78
25	622	70
24	626	63
23	623	55
22	619	47
21	606	40 <-- 40% OF THE STUDENTS SCORE AT OR BELOW 21
20	589	32 <-- 32% OF THE STUDENTS SCORE BELOW 21
19	513	25
18	399	19
17	357	14
16	310	10
15	202	6
14	145	3
13	79	2
12	33	1
11	16	1
10	8	1
9	0	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

