

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

**STATE COMPOSITE FOR  
PENNSYLVANIA**

**CODE 390-000**



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	6598	2656 66/ 26	21.6/19.3	21.9/19.6	22.6/20.5	22.0/20.1	22.1/20.0
2001-02	6001	2648 63/ 28	21.6/19.4	21.9/19.8	22.7/20.8	21.9/20.2	22.1/20.2
2002-03	6964	3068 62/ 27	21.6/19.6	21.9/19.9	22.8/20.9	21.9/20.3	22.2/20.3
2003-04	7280	3312 61/ 28	21.9/19.9	22.2/20.2	23.0/21.2	22.1/20.4	22.4/20.6
2004-05	6932	3337 59/ 28	22.0/20.1	22.1/20.4	23.0/21.3	22.0/20.6	22.4/20.7

## EXECUTIVE SUMMARY - AVERAGE ACT SCORES FOR TOTAL GROUP

	NUMBER	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
2000-01	10060	20.8	21.2	21.9	21.3	21.4
2001-02	9592	20.8	21.2	22.0	21.3	21.5
2002-03	11290	20.9	21.2	22.1	21.3	21.5
2003-04	12012	21.2	21.5	22.3	21.5	21.8
2004-05	11848	21.2	21.5	22.3	21.4	21.7

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

	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
Q3 (75TH PERCENTILE)	25.3	25.4	26.9	24.3	25.3
Q2 (50TH PERCENTILE - MEDIAN)	21.1	21.0	22.4	21.2	21.6
Q1 (25TH PERCENTILE)	17.1	17.1	17.6	18.4	18.1

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= 417)	(N= 12)	(N= 5586)	(N= 24)	(N= 174)	(N= 93)
ENGLISH	16.4	23.1	22.4	23.2	22.7	19.1
USAGE/MECH	7.9	12.1	11.5	12.3	11.6	9.5
RHET SKILLS	8.4	11.3	11.4	11.5	11.6	9.7
MATHEMATICS	17.0	21.0	22.4	23.0	24.6	20.8
PRE/ELEM-ALG	8.6	11.1	12.1	12.1	13.3	11.0
ALG/CRD-GEOM	8.2	9.8	11.1	11.3	12.2	10.3
PLANE GEOM/TRIG	8.0	11.3	11.3	12.2	12.5	10.5
READING	17.4	23.9	23.4	26.4	23.4	20.7
SOC STU/SCI	8.3	12.2	11.8	13.2	11.8	10.2
ARTS/LITERATURE	8.9	12.0	12.1	14.1	12.1	10.7
SCIENCE	17.4	22.3	22.3	23.0	23.1	20.1
COMPOSITE	17.2	22.7	22.7	24.1	23.6	20.3
LESS THAN CORE	(N= 407)	(N= 8)	(N= 2428)	(N= 14)	(N= 68)	(N= 46)
ENGLISH	14.8	18.4	20.7	20.5	24.0	17.4
USAGE/MECH	6.9	9.4	10.5	10.4	12.5	8.6
RHET SKILLS	7.6	9.1	10.6	10.6	12.2	8.8
MATHEMATICS	16.4	19.6	20.9	23.2	24.5	18.0
PRE/ELEM-ALG	8.1	10.3	11.1	12.4	12.9	9.2
ALG/CRD-GEOM	7.8	10.5	10.3	11.6	12.1	8.5
PLANE GEOM/TRIG	7.7	10.1	10.4	11.5	12.5	8.9
READING	16.7	19.0	21.9	21.8	24.4	18.0
SOC STU/SCI	8.2	9.6	11.0	10.7	12.3	8.6
ARTS/LITERATURE	8.3	9.3	11.3	11.6	12.6	9.5
SCIENCE	16.5	20.1	21.1	22.9	23.0	17.7
COMPOSITE	16.2	19.5	21.3	22.2	24.1	18.0
NO RESPONSE	(N= 162)	(N= 5)	(N= 1056)	(N= 14)	(N= 21)	(N= 18)

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= 986)	(N= 25)	(N= 9070)	(N= 52)	(N= 263)	(N= 157)
ENGLISH	15.4	20.8	21.8	20.9	23.0	18.5
USAGE/MECH	7.3	10.6	11.1	10.6	11.8	9.1
RHET SKILLS	7.9	10.4	11.1	10.7	11.7	9.4
MATHEMATICS	16.6	20.1	21.9	21.5	24.6	19.6
PRE/ELEM-ALG	8.3	10.7	11.7	11.2	13.1	10.2
ALG/CRD-GEOM	7.9	9.9	10.8	10.5	12.2	9.7
PLANE GEOM/TRIG	7.9	10.5	11.0	11.1	12.4	9.8
READING	17.0	21.9	22.8	23.2	23.6	19.6
SOC STU/SCI	8.2	11.1	11.5	11.5	11.8	9.6
ARTS/LITERATURE	8.6	10.9	11.8	12.1	12.2	10.2
SCIENCE	16.9	21.3	21.8	21.6	23.0	19.2
COMPOSITE	16.6	21.2	22.2	21.9	23.7	19.4

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	148 19.3	8 23.0	3723 24.7	18 25.4	151 25.5	52 23.1
3.00 - 3.49	215 17.4	8 20.9	2003 20.8	14 22.5	50 21.2	41 18.0
2.50 - 2.99	206 15.8	1 22.0	865 18.7	2 15.0	22 18.7	21 17.1
2.00 - 2.49	97 15.0	2 19.5	259 17.4	1 23.0	3 18.3	7 16.9
1.99 & BELOW	28 13.9	0 0.0	52 16.5	0 0.0	0 0.0	3 13.3
CGPA PRED BY STUDENT						
3.5 - 4.0	148 19.5	10 23.0	3197 25.0	19 24.5	135 26.0	55 21.8
3.0 - 3.4	313 17.2	5 21.0	3465 21.2	13 22.8	81 21.3	49 19.0
2.5 - 2.9	209 15.2	7 19.4	953 18.6	2 18.0	17 16.5	21 16.8
2.0 - 2.4	79 14.6	0 0.0	275 17.0	0 0.0	2 19.0	9 15.6
1.9 & BELOW	18 13.9	0 0.0	35 16.4	0 0.0	0 0.0	2 13.0
HIGH SCHOOL RANK						
TOP QUARTER	213 18.6	7 24.9	3714 24.7	23 25.8	139 25.4	49 22.2
2ND QUARTER	249 16.6	8 19.9	2371 20.5	4 21.5	60 21.3	47 18.0
BOTTOM HALF	244 15.4	6 19.8	1162 18.1	4 18.3	18 16.8	30 16.5



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	1996	17	907	8	254	2	46	0
	FEMALE	3218	27	1733	15	524	4	67	1
	TOTAL	5274	45	2667	23	783	7	117	1
NO. & VARIETY OF COURSE OFFERINGS	MALE	1937	16	748	6	463	4	51	0
	FEMALE	3136	26	1214	10	1114	9	77	1
	TOTAL	5127	43	1980	17	1597	13	132	1
GRADING PRACTICES & POLICIES	MALE	1678	14	1028	9	443	4	48	0
	FEMALE	2971	25	1756	15	742	6	64	1
	TOTAL	4700	40	2812	24	1196	10	118	1
NO. & KINDS OF TESTS GIVEN	MALE	1648	14	1188	10	322	3	35	0
	FEMALE	2721	23	2093	18	644	5	68	1
	TOTAL	4416	37	3317	28	974	8	108	1
GUIDANCE SERV PROVIDED BY GUIDANCE OFFICE	MALE	1731	15	844	7	508	4	111	1
	FEMALE	2796	24	1365	12	1175	10	187	2
	TOTAL	4577	39	2231	19	1699	14	305	3
SCHOOL RULES, REGULATIONS, & POLICIES	MALE	1373	12	1057	9	690	6	75	1
	FEMALE	2197	19	1829	15	1418	12	86	1
	TOTAL	3612	30	2916	25	2128	18	165	1
LIBRARY OR LEARNING CENTER	MALE	1762	15	1012	9	329	3	91	1
	FEMALE	3012	25	1649	14	722	6	143	1
	TOTAL	4834	41	2689	23	1054	9	239	2
LABORATORY FACILITIES	MALE	1739	15	985	8	369	3	95	1
	FEMALE	2802	24	1715	14	822	7	173	1
	TOTAL	4591	39	2724	23	1208	10	273	2
PROVISIONS FOR SPECIAL HELP IN READING, MATH, ETC	MALE	1293	11	904	8	260	2	729	6
	FEMALE	2239	19	1589	13	584	5	1110	9
	TOTAL	3578	30	2517	21	850	7	1859	16
PROVISIONS FOR ACADEMICALLY OUTSTANDING STU	MALE	1909	16	771	7	271	2	237	2
	FEMALE	3415	29	1258	11	530	4	322	3
	TOTAL	5381	45	2048	17	807	7	573	5
ADEQUACY OF PROG IN CAREER EDUC & PLANNING	MALE	1419	12	1070	9	492	4	203	2
	FEMALE	2238	19	1791	15	1074	9	400	3
	TOTAL	3701	31	2892	24	1579	13	611	5

NUMBER OF STUDENTS - 11848

TABLE 4 ACT SCORE DISTRIBUTIONS, CUMULATIVE PERCENTAGES, AND AVERAGES FOR ALL STUDENTS (NUMBER OF STUDENTS = 11848)

STD SCORE	ACT ENGLISH		ACT MATHEMATICS		ACT READING		ACT SCIENCE		ACT COMPOSITE	
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP
36	21	99	21	99	83	99	33	99	3	99
35	44	99	62	99	147	99	46	99	20	99
34	174	99	110	99	218	98	73	99	38	99
33	147	98	87	98	221	96	42	99	70	99
32	174	97	113	98	232	94	117	98	123	99
31	223	95	185	97	298	92	59	97	197	98
30	217	93	188	95	459	90	128	97	284	96
29	460	92	335	94	380	86	245	96	348	94
28	392	88	452	91	508	83	313	94	496	91
27	436	84	690	87	668	79	369	91	568	87
26	561	81	648	81	574	73	531	88	625	82
25	678	76	632	76	529	68	857	83	769	77
24	664	70	807	70	658	64	733	76	758	70
23	595	65	746	63	871	58	1128	70	857	64
22	805	60	520	57	632	51	856	61	820	56
21	790	53	615	53	525	45	1206	53	893	50
20	857	46	717	48	802	41	1186	43	848	42
19	769	39	651	42	635	34	898	33	851	35
18	642	32	896	36	482	29	930	26	787	28
17	597	27	1024	28	528	25	552	18	664	21
16	486	22	996	20	566	20	465	13	583	15
15	649	18	670	11	434	15	323	9	463	11
14	387	12	373	6	527	12	256	6	355	7
13	278	9	206	3	365	7	185	4	219	4
12	209	7	68	1	284	4	119	3	137	2
11	189	5	27	1	154	2	87	2	43	1
10	146	3	5	1	33	1	55	1	19	1
9	74	2	2	1	17	1	32	1	7	1
8	125	2	0	1	7	1	9	1	1	1
7	41	1	1	1	1	1	7	1	2	1
6	9	1	0	1	5	1	4	1	0	1
5	3	1	1	1	3	1	3	1	0	1
4	5	1	0	1	1	1	0	1	0	1
3	1	1	0	1	1	1	1	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	386	3	280	2	669	6	194	2	131	1
28-32	1466	12	1273	11	1877	16	862	7	1448	12
24-27	2339	20	2777	23	2429	21	2490	21	2720	23
20-23	3047	26	2598	22	2830	24	4376	37	3418	29
16-19	2494	21	3567	30	2211	19	2845	24	2885	24
13-15	1314	11	1249	11	1326	11	764	6	1037	9
01-12	802	7	104	1	506	4	317	3	209	2

AVG(SD) 21.2( 5.9) 21.5( 5.2) 22.3( 6.1) 21.4( 4.6) 21.7( 4.9)

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 = 11848)

STD SCORE	USAGE/MECH		RHET SKILLS		SOC STU/SCI		ARTS/LIT		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	
18	367	99	81	99	250	99	550	99	18
17	640	97	148	99	706	98	728	95	17
16	496	92	600	98	710	92	933	89	16
15	827	87	683	93	851	86	965	81	15
14	808	80	1039	87	872	79	675	73	14
13	723	74	974	78	1019	71	1002	67	13
12	1071	67	1500	70	1186	63	1410	59	12
11	1188	58	1366	58	1048	53	955	47	11
10	1110	48	1564	46	1136	44	957	39	10
9	1061	39	1322	33	1132	34	827	31	9
8	1086	30	988	22	1246	25	796	24	8
7	872	21	596	13	663	14	768	17	7
6	680	13	408	8	462	9	548	11	6
5	407	8	319	5	269	5	504	6	5
4	314	4	171	2	153	3	150	2	4
3	140	2	65	1	89	1	58	1	3
2	52	1	23	1	42	1	21	1	2
1	6	1	1	1	14	1	1	1	1
AVERAGE		10.8		10.9		11.2		11.6	
S.D.		3.8		3.1		3.5		3.8	

STD SCORE	PRE/ELEM		ALG/CRD-GEOM		PLN GEOM/TRIG		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	
18	369	99	95	99	100	99	18
17	572	97	161	99	108	99	17
16	792	92	284	98	414	98	16
15	758	85	465	95	676	95	15
14	1213	79	1087	92	1034	89	14
13	1263	69	932	82	1102	80	13
12	841	58	1662	74	1517	71	12
11	1073	51	1401	60	1137	58	11
10	1015	42	1345	49	1900	49	10
9	914	33	1951	37	1222	33	9
8	1395	26	943	21	939	22	8
7	992	14	574	13	731	14	7
6	429	5	348	8	439	8	6
5	134	2	288	5	93	4	5
4	56	1	161	3	255	4	4
3	23	1	106	1	38	2	3
2	9	1	18	1	110	1	2
1	0	1	27	1	33	1	1
AVERAGE		11.5		10.6		10.7	
S.D.		3.4		3.0		3.1	

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

TABLE 6 AVERAGE ACT SCORES AND STANDARD DEVIATIONS FOR MALES AND FEMALES

GROUP	NUMBER OF STUDENTS	ENGLISH		MATH		READING		SCIENCE		COMPOSITE	
		AVERAGE	SD	AVERAGE	SD	AVERAGE	SD	AVERAGE	SD	AVERAGE	SD
MALES	4566	20.8	6.0	22.3	5.5	22.0	6.2	22.0	4.9	21.9	5.1
FEMALES	7144	21.6	5.8	20.9	4.9	22.6	6.0	21.0	4.3	21.6	4.7
NO RESPONSE	138	21.2	6.0	21.2	4.9	22.8	6.4	21.1	4.6	21.7	4.9

PERCENT OF STUDENTS IN THE COLLEGE READINESS STANDARDS SCORE RANGES BY GENDER

SCORE RANGE	M		F		M		F		M		F	
33-36	3	3	4	2	5	6	3	1	2	1		
28-32	11	13	15	8	16	16	10	6	14	11		
24-27	19	20	25	22	19	21	23	20	23	23		
20-23	25	26	20	23	22	25	35	38	27	30		
16-19	21	21	26	33	19	18	21	26	23	25		
13-15	13	10	10	11	13	10	6	6	10	8		
01-12	8	6	1	1	5	3	3	3	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	2567	27	23.9	37	16	34	12	2180	30	316	20
GOOD	3471	37	21.6	81	36	115	40	2666	37	609	38
AVERAGE	1671	18	19.7	59	26	88	31	1142	16	382	24
BELOW AVERAGE	346	4	19.1	15	7	21	7	218	3	92	6
VERY INADEQUATE	582	6	20.9	20	9	17	6	442	6	103	6
NO RESPONSE	756	8	22.1	13	6	11	4	616	8	116	7
NO. OF STUDENTS	9393			225		286		7264		1618	

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	11848	21.2	5.9	21.5	5.2	22.3	6.1	21.4	4.6	21.7	4.9
COLLEGE CORE											
E4, M3, SS3, NS3	6932	22.0	5.6	22.1	5.0	23.0	5.9	22.0	4.4	22.4	4.7
In between	1817	20.2	6.3	20.4	5.3	21.3	6.3	20.5	4.8	20.8	5.1
E4, M2, SS2, NS2	1520	19.9	6.0	20.4	5.3	21.2	6.1	20.6	4.7	20.6	5.0
No Response	1579	20.4	5.9	20.8	5.1	21.6	6.1	20.6	4.6	21.0	4.8
HS GPA RANGES											
3.50 - 4.00	4546	24.4	5.1	24.4	4.7	25.3	5.5	23.7	4.2	24.6	4.2
3.00 - 3.49	2566	19.9	4.9	20.0	4.1	21.0	5.3	20.3	3.8	20.4	3.9
2.50 - 2.99	1205	17.2	4.8	17.8	3.6	18.5	5.1	18.6	3.9	18.1	3.7
2.00 - 2.49	402	15.6	4.7	16.7	3.0	17.3	4.6	17.6	3.7	16.9	3.4
1.99 & below	90	13.8	4.3	16.1	2.7	15.6	4.3	16.3	3.8	15.5	3.1

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	2358	20	3.52	22.1	22.3
ENG 9, ENG 10, ENG 11, ENG 12	6914	58	3.40	21.2	21.7
LESS THAN 4 YEARS OF ENGLISH	959	8	3.42	20.8	21.5
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	1617	14	- . -	20.4	21.0
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	1457	12	3.61	24.7	24.5
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	962	8	3.31	21.6	22.2
ALG 1, ALG 2, GEOM, TRIG	1357	11	3.18	20.0	20.8
ALG 1, ALG 2, GEOM, OTHER ADV MATH	827	7	3.10	19.5	20.3
ALG 1, ALG 2, GEOM	1130	10	2.72	17.4	18.3
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	2858	24	3.57	24.2	23.9
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	455	4	3.27	21.3	21.6
LESS THAN 3 YEARS OF MATH	1049	9	2.72	18.4	19.0
NO MATH COURSE/GRADE INFORMATION REPORTED	1753	15	- . -	20.8	21.0
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	704	6	3.54	23.5	22.8
US HIST, WORLD HIST, AM GOVT	760	6	3.46	21.6	21.3
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	4000	34	3.59	22.8	22.1
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	2731	23	3.50	22.2	21.7
LESS THAN 3 YEARS OF SOC SCI	1887	16	3.42	22.0	21.5
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	1766	15	- . -	21.7	21.0
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	4683	40	3.49	22.3	22.8
BIOLOGY, CHEMISTRY, PHYSICS	1478	12	3.50	23.4	24.2
GEN SCIENCE, BIOLOGY, CHEMISTRY	2593	22	3.20	19.9	20.0
OTHER COMBINATIONS OF 3 YEARS NAT SCI	181	2	3.14	20.4	20.0
LESS THAN 3 YEARS OF NAT SCI	1103	9	3.02	19.4	19.4
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	1810	15	- . -	20.8	21.2

STATE COMPOSITE FOR  
PENNSYLVANIATABLE 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	867	19	3.41	21.5	22.5
ENG 9, ENG 10, ENG 11, ENG 12	2484	54	3.26	20.8	22.0
LESS THAN 4 YEARS OF ENGLISH	394	9	3.34	20.6	21.8
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	821	18	- . -	20.0	21.0
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	547	12	3.59	25.8	24.8
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	264	6	3.17	22.0	21.8
ALG 1, ALG 2, GEOM, TRIG	417	9	3.07	20.5	20.6
ALG 1, ALG 2, GEOM, OTHER ADV MATH	248	5	3.04	20.4	20.6
ALG 1, ALG 2, GEOM	394	9	2.58	17.6	17.9
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	1245	27	3.54	25.0	24.1
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	195	4	3.15	21.4	21.3
LESS THAN 3 YEARS OF MATH	375	8	2.77	19.2	19.0
NO MATH COURSE/GRADE INFORMATION REPORTED	881	19	- . -	21.4	21.0
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	317	7	3.50	23.1	22.8
US HIST, WORLD HIST, AM GOVT	319	7	3.44	21.9	21.9
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	1357	30	3.54	22.4	22.3
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	984	22	3.44	21.6	21.7
LESS THAN 3 YEARS OF SOC SCI	706	15	3.39	22.0	22.0
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	883	19	- . -	21.2	21.0
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	1825	40	3.44	23.1	23.1
BIOLOGY, CHEMISTRY, PHYSICS	584	13	3.52	24.3	24.7
GEN SCIENCE, BIOLOGY, CHEMISTRY	781	17	3.07	19.9	19.5
OTHER COMBINATIONS OF 3 YEARS NAT SCI	84	2	3.01	20.8	20.0
LESS THAN 3 YEARS OF NAT SCI	391	9	2.87	19.6	19.0
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	901	20	- . -	21.2	21.1

STATE COMPOSITE FOR  
PENNSYLVANIATABLE 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	1467	21	3.59	22.5	22.2
ENG 9, ENG 10, ENG 11, ENG 12	4354	61	3.47	21.5	21.6
LESS THAN 4 YEARS OF ENGLISH	552	8	3.49	20.9	21.3
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	771	11	- . -	20.9	21.0
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	902	13	3.63	24.0	24.2
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	686	10	3.35	21.5	22.4
ALG 1, ALG 2, GEOM, TRIG	913	13	3.22	19.8	20.8
ALG 1, ALG 2, GEOM, OTHER ADV MATH	576	8	3.13	19.2	20.1
ALG 1, ALG 2, GEOM	728	10	2.79	17.3	18.6
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	1585	22	3.60	23.5	23.7
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	251	4	3.34	21.0	21.7
LESS THAN 3 YEARS OF MATH	659	9	2.70	18.0	19.0
NO MATH COURSE/GRADE INFORMATION REPORTED	844	12	- . -	20.3	21.0
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	380	5	3.57	23.8	22.7
US HIST, WORLD HIST, AM GOVT	431	6	3.47	21.4	20.8
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	2607	36	3.61	23.0	22.0
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	1711	24	3.53	22.6	21.7
LESS THAN 3 YEARS OF SOC SCI	1159	16	3.44	22.0	21.2
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	856	12	- . -	22.1	21.1
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	2818	39	3.53	21.8	22.6
BIOLOGY, CHEMISTRY, PHYSICS	874	12	3.49	22.7	23.8
GEN SCIENCE, BIOLOGY, CHEMISTRY	1774	25	3.25	19.9	20.3
OTHER COMBINATIONS OF 3 YEARS NAT SCI	94	1	3.25	20.1	20.1
LESS THAN 3 YEARS OF NAT SCI	703	10	3.10	19.3	19.5
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	881	12	- . -	20.4	21.2

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	65	20.3	48	42	1	1	1	0	1	1
ARCH & ENVIR DESIGN	186	21.6	49	41	3	3	2	2	2	2
BUSINESS & MGMT	849	21.1	34	51	13	13	8	7	10	9
BUSINESS & OFFICE	41	20.4	32	44	0	1	1	1	0	1
MARKETING & DISTRIBUTION	93	20.3	38	57	1	1	1	2	1	1
COMMUNICATION & COMM TEC	389	21.6	44	47	4	4	5	5	4	5
COMMUNITY & PRSNL SVCS	190	18.8	47	43	3	3	2	2	2	2
COMPUTER & INFO SCI	178	22.1	40	52	5	5	1	1	2	2
CROSS-DISC STUDIES	22	23.9	9	68	0	0	0	0	0	0
EDUCATION	640	20.3	56	38	4	4	9	10	7	8
TEACHER EDUCATION	371	20.1	53	41	4	4	5	5	4	5
ENGINEERING	358	25.0	37	50	9	9	2	1	4	4
ENGINEERING-RELATED TECH	209	23.8	35	51	6	6	1	1	2	3
FOREIGN LANGUAGES	82	25.0	51	34	0	0	1	1	1	1
HEALTH SCI & ALLIED HLTH	1689	21.2	58	36	11	13	25	27	19	22
HUMAN, FAMILY/CONS SCI	68	20.2	46	43	0	0	1	1	1	1
LETTERS	80	25.3	33	49	1	1	1	1	1	1
MATHEMATICS	60	26.9	33	50	1	1	1	0	1	0
PHILOS, RELIG & THEOL	68	22.8	54	35	1	1	1	1	1	1
SCI (BIOL & PHYSICAL)	780	23.9	42	48	9	6	9	7	9	7
SOCIAL SCIENCES	779	22.8	42	49	7	7	10	10	9	9
TRADE & INDUSTRIAL	37	19.4	62	30	1	1	0	0	0	1
VISUAL & PERFORM ARTS	482	21.9	51	38	5	6	6	7	6	6
UNDECIDED	948	21.5	9	16	13	11	10	9	11	10
NO RESPONSE	3184									

NUMBER OF STUDENTS - 11848



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	511	18.1	4	AFRICAN-AMER/BLACK	986	16.6	8
COLL PREP	7264	22.6	61	AM INDIAN,ALASKAN NTV	25	21.2	0
OTHER/GENERAL/NO RESP	4073	20.7	34	CAUCASIAN-AMER/WHITE	9070	22.2	77
REQUEST ASSISTANCE WITH				MEXICAN-AMER/CHICANO	52	21.9	0
ED/OCCUP PLANS	3646	21.8	31	ASIAN-AMER,PACIFIC ISL	263	23.7	2
EXPR IDEAS IN WRITING	1987	19.7	17	PUERTO RICAN,HISPANIC	157	19.4	1
READING/COMPREHENSION	2496	19.5	21	OTHER	165	19.9	1
STUDY SKILLS	3465	19.7	29	MULTIRACIAL	134	20.3	1
MATH SKILLS	3530	19.4	30	PREFER NOT TO RESPOND	312	23.0	3
PERSONAL CONCERNS	858	19.9	7	NO RESPONSE	684	22.9	6
EXPRESSED FIN NEED				ESTIMATED FAMILY INCOME			
NEED FINANCIAL AID	8903	21.6	75	LESS THAN \$18,000	559	18.7	5
NEED TO FIND WORK	6604	21.3	56	ABOUT \$18,000-\$24,000	433	19.0	4
SPECIAL COLLEGE PROG				ABOUT \$24,000-\$30,000	466	19.6	4
INDEP STUDY	4082	22.9	34	ABOUT \$30,000-\$36,000	451	20.4	4
HONORS COURSES	3851	24.4	33	ABOUT \$36,000-\$42,000	600	21.0	5
ADV PLACEMENT IN COLL				ABOUT \$42,000-\$50,000	750	21.2	6
ENGLISH	2822	24.0	24	ABOUT \$50,000-\$60,000	890	21.5	8
MATH	2503	24.6	21	ABOUT \$60,000-\$80,000	1422	22.1	12
SOCIAL STUDIES	2687	23.9	23	ABOUT \$80,000-\$100,000	1093	22.6	9
NATURAL SCIENCE	2375	24.1	20	MORE THAN \$100,000	1466	24.0	12
FOREIGN LANG	1981	24.0	17	NO RESPONSE	3718	22.0	31
MAX YEARLY COLL TUITION				HS CLASS RANK			
\$1000 & UNDER	92	16.7	1	TOP QTR	4590	24.4	39
\$1001 - \$2000	101	17.6	1	2ND QTR	2996	20.1	25
\$2001 - \$4000	341	19.0	3	3RD QTR	1446	17.7	12
\$4001 - \$7500	1061	19.9	9	4TH QTR	154	16.9	1
\$7501 & OVER	943	20.8	8	NO RESPONSE	2662	21.4	22
NO PREFERENCE	6460	22.4	55	EDUC DEG ASPIRATION			
NO RESPONSE	2850	21.9	24	VOC-TECH	31	17.4	0
MOST RECENTLY TESTED				2YR COL DEGREE	220	17.3	2
SOPHOMORE	57	21.3	0	BACHELORS DEGREE	3842	20.4	32
JUNIOR	4596	23.0	39	GRAD STUDY	2589	23.0	22
SENIOR	6967	20.9	59	PROF LEVEL DEGREE	3207	23.2	27
OTHER/NO RESPONSE	228	22.7	2	OTHER	229	18.9	2
COLLEGE CORE PREPARATION				NO RESPONSE	1730	21.3	15
CORE OR MORE	6932	22.4	59	NUMBER OF STUDENTS			
LESS THAN CORE	3337	20.7	28	HOME SCHOOLED	98	23.1	1
NO RESPONSE	1579	21.0	13	EARNED A GED	9	20.2	0
				ALL STUDENTS	11848	21.7	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
3656 PENN ST-UNIV PARK	PA	2159	789	1370	1	8	21	30	27	12	1
3734 U PITTSBURGH	PA	1360	436	924	0	3	17	34	29	15	1
3560 DUQUESNE UNIVERSITY	PA	664	238	426	0	2	20	40	26	12	0
3724 TEMPLE UNIVERSITY	PA	618	156	462	4	17	33	28	13	5	0
3716 SLIPPERY ROCK U PA	PA	613	195	418	2	15	39	32	10	2	0
3704 INDIANA UNIV OF PA	PA	603	154	449	2	18	34	33	11	2	0
3702 EDINBORO U OF PA	PA	474	156	318	3	18	38	29	10	1	0
3750 WEST CHESTER U OF PA	PA	430	92	338	4	20	37	24	11	3	0
3576 GANNON UNIVERSITY	PA	397	95	302	1	10	29	36	21	4	0
3556 DREXEL UNIVERSITY	PA	396	96	300	3	8	19	31	25	13	1
3712 MILLERSVILLE U OF PA	PA	370	101	269	4	17	34	26	17	3	0
3732 UNIV OF PENNSYLVANIA	PA	344	134	210	1	3	8	22	31	31	3
3692 BLOOMSBURG U OF PA	PA	337	101	236	2	19	40	24	12	2	0
3714 SHIPPENSBURG U OF PA	PA	336	68	268	3	14	37	28	15	2	0
3698 CLARION U PA	PA	317	96	221	1	15	36	31	15	2	0
3629 MERCYHURST COLLEGE	PA	314	89	225	1	12	35	31	17	4	0
3706 KUTZTOWN U OF PA	PA	287	80	207	6	20	38	25	9	3	0
4540 WEST VIRGINIA UNIV	WV	282	89	193	0	6	23	42	22	7	0
3582 GROVE CITY COLLEGE	PA	280	80	200	0	3	12	24	33	28	1
3694 CALIFORNIA U OF PA	PA	274	101	173	3	19	42	23	11	1	0
3708 LOCK HAVEN U OF PA	PA	254	48	206	2	16	41	30	9	3	0
3520 ALLEGHENY COLLEGE	PA	245	83	162	1	5	13	27	34	19	1
3534 CARNEGIE MELLON UNIV	PA	227	75	152	0	0	7	15	38	34	6
3744 VILLANOVA UNIVERSITY	PA	223	40	183	1	5	10	24	35	23	1
3674 ROBERT MORRIS UNIV	PA	213	55	158	0	11	35	36	15	3	0
3752 WESTMINSTER C-PA	PA	211	49	162	0	5	21	34	27	12	0
3528 BUCKNELL UNIVERSITY	PA	201	53	148	0	0	7	25	40	22	5
3735 U PITTSBURGH-JOHNSTN	PA	201	46	155	0	9	31	46	12	1	0
2838 NEW YORK UNIVERSITY	NY	191	47	144	2	4	9	24	33	27	1
0634 UNIV OF DELAWARE	DE	188	46	142	1	4	11	36	35	13	0
9999 NCAA CLEARINGHOUSE	IA	180	95	85	2	16	27	24	22	8	1
3746 WASHINGTON/JEFFERSON	PA	176	39	137	1	2	12	31	39	13	2
3612 LEHIGH UNIVERSITY	PA	160	30	130	1	1	8	24	36	28	3
3700 EAST STROUDSBURG U	PA	159	39	120	2	22	47	21	9	0	0
3312 OHIO STATE-COLUMBUS	OH	154	26	128	0	3	17	34	31	14	1
ALL OTHER INSTITUTIONS		15114	4074	11040	2	8	23	27	24	15	1
TOTALS		28952	8191	20761	2	9	24	29	23	12	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	( 65)	(20.3)	BUSINESS & OFFICE	( 41)	(20.4)
AGRICULTURAL BUSINESS	2	22.5	BOOKKEEPING/ACCT TECH	4	25.0
AGRICULTURAL ECONOMICS	0	0.0	BUSINESS DP/COMPUTER OPER	0	0.0
AGRICULTURAL MECHANICS	0	0.0	COURT REPORTING	2	21.0
AGRI PRODUCTION/TECH	1	13.0	OFFICE SUPERVISION & MGMT	1	18.0
AGRONOMY	1	30.0	SECRETARIAL	3	18.0
ANIMAL SCIENCES	18	20.9	TYPING & GENERAL OFFICE	0	0.0
FARM & RANCH MANAGEMENT	1	25.0	WORD PROCESSING	0	0.0
FISH, GAME, WILDLIFE MGMT	3	21.3	BUSINESS & OFFICE, GEN	31	20.0
FOOD SCIENCES/ENGINEERING	1	22.0			
FORESTRY & RELATED SCI	5	19.4	MARKETING & DISTRIBUTION	( 93)	(20.3)
HORTICULTURE/ORNMENTAL HORT	2	22.5	FASHION MERCHANDISING	26	19.2
NATURAL RESOURCES MGMT	2	26.0	RETAILING & SALES	4	16.3
AGRICULTURE & AG TECH, GEN	29	19.1	TRAVEL SERVICES & TOURISM	1	23.0
			MARKETING & DISTRIB, GEN	62	21.0
ARCH & ENVIR DESIGN	( 186)	(21.6)			
ARCHITECTURAL DRAFTING	19	20.1	COMMUNICATIONS & COMM TECH	( 389)	(21.6)
ARCHITECTURE	43	23.7	ADVERTISING	17	22.6
BLDG CON/CONSTRUCTION SCI	3	18.7	GRAPHIC/COMMERCIAL ART	15	21.3
CITY, COMM & REG PLANNING	4	17.8	GRAPHIC & PRINT COMMUNIC	0	0.0
ENVIRONMENTAL DESIGN	0	0.0	JOURNALISM	71	22.6
INTERIOR DESIGN	30	19.9	PHOTO/FILM/VIDEO TECH	13	20.8
LANDSCAPE ARCHITECTURE	6	16.8	PUBLIC RELATIONS	22	21.5
ARCHI & ENVIR DESIGN, GEN	81	22.1	RADIO/TV BROADCASTING	43	19.8
			RADIO/TV PRODUCTN & TECH	15	20.9
BUSINESS & MGMT	( 849)	(21.1)	COMMUNIC & COMM TECH, GEN	193	21.6
ACCOUNTING	99	20.2			
BANKING & FINANCE	26	23.4	COMMNTY & PRSNL SVCS	( 190)	(18.8)
BUSINESS ADMIN & MGMT	111	20.3	CORRECTIONS	2	17.0
BUSINESS ECONOMICS	16	24.3	COSMETOLOGY/HAIRSTYLING	2	16.0
CONTRACT MGMT & PURCHSING	1	17.0	CRIMINAL JUSTICE/CRIMINOL	91	18.5
HOTEL/RESTAURANT MGMT	22	20.5	FIRE PROTECTN/SAFETY TECH	1	17.0
HUMAN RESOURCE DEVEL/TRNG	0	0.0	FUNERAL SVCS/MORTUARY SCI	2	16.0
INSTITUTIONAL MANAGEMENT	0	0.0	LAW ENFORCEMENT & ADMIN	12	17.9
INSURANCE & RISK MGMT	2	25.0	LIBRARY SCI/LIB ASSISTING	0	0.0
INTERNATL BUSINESS/MGMT	56	23.7	MILITARY SCIENCE/TECH	10	21.6
LABOR/INDUSTRL RELATIONS	1	32.0	PARKS & RECREATION	2	17.0
MANAGEMENT INFO SYSTEMS	2	22.5	PUBLIC ADMINISTRATION	0	0.0
MANAGEMENT SCIENCE	0	0.0	PUBLIC AFFAIRS	0	0.0
MARKETING MGMT & RESEARCH	34	19.5	SOCIAL WORK	19	18.4
ORGANIZATIONAL BEHAVIOR	0	0.0	COMMNTY & PRSNL SVCS, GEN	49	19.4
PERSONNEL MANAGEMENT	3	18.7			
REAL ESTATE	8	17.4			
SML BUSINESS MGMT/OWNRSHIP	18	21.7			
TRADE & INDUSTRIAL MGMT	0	0.0			
TRANSPORTATION MANAGEMENT	0	0.0			
BUSINESS & MGMT, GEN	450	21.1			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
COMPUTER & INFO SCI	( 178)	(22.1)	ENGINEERING	( 358)	(25.0)
COMPUTER PROGRAMMING	43	21.4	AEROSPACE ENGINEERING	30	24.8
COMPUTER SCIENCE	35	22.7	AGRICULTURAL ENGINEERING	1	21.0
DATA PROCESSING	0	0.0	ARCHITECTURAL ENGINEERING	6	25.0
INFO SCIENCES & SYSTEMS	10	24.0	BIOENGINEER & BIOMED ENG	34	27.1
MATH/COMPUTER SCIENCE	3	21.7	CERAMIC ENGINEERING	0	0.0
COMPUTER & INFO SCI, GEN	87	21.9	CHEMICAL ENGINEERING	24	26.7
CROSS-DISC STUDIES	( 22)	(23.9)	CIVIL ENGINEERING	26	23.7
AREA & ETHNIC STUDIES	3	14.0	COMPUTER ENGINEERING	9	25.4
LIBERAL ARTS/GEN STUDIES	8	24.5	CONSTRUCTION ENG/MGMT	2	15.5
MULTI-/INTERDISC STUDIES	3	28.7	ELECTRCL & ELECTRONIC ENG	15	22.7
CROSS-DISC STUDIES, GEN	8	25.1	ENGINEERING MANAGEMENT	2	19.5
EDUCATION	( 640)	(20.3)	ENGINEERING PHYSICS	4	27.5
ADULT & CONTINUING EDUC	1	25.0	ENGINEERING SCIENCE	3	24.0
EDUCATION ADMINISTRATION	2	21.0	ENVIRONMENTAL HEALTH ENG	2	23.0
ELEMENTARY EDUCATION	270	19.8	GEOLOGICAL & GEOPHYS ENG	0	0.0
JR HIGH/MIDDLE SCH EDUC	18	21.6	INDUSTRIAL ENGINEERING	1	31.0
PRE-ELEMENTARY EDUCATION	32	18.7	MATERIALS ENGINEERING	2	29.5
SECONDARY EDUCATION	99	22.0	MECHANICAL ENGINEERING	50	24.4
STUDENT COUNSELING	4	21.3	METALLURGICAL ENGINEERING	1	26.0
TEACHER AIDE	0	0.0	MINING & MINERAL ENG	1	28.0
EDUCATION, GENERAL	214	20.4	NAVAL ARCHIT & MARINE ENG	2	25.5
TEACHER EDUCATION	( 371)	(20.1)	NUCLEAR ENGINEERING	5	25.0
AGRICULTURAL EDUCATION	2	25.0	OCEAN ENGINEERING	0	0.0
ART EDUCATION	14	19.4	PETROLEUM ENGINEERING	0	0.0
BUSINESS EDUCATION	1	16.0	SYSTEMS ENGINEERING	0	0.0
ENGLISH EDUCATION	22	22.7	ENGINEERING, GENERAL	138	25.0
FOREIGN LANGUAGES EDUC	5	22.0	ENGINEERING-RELATED TECH	( 209)	(23.8)
HEALTH EDUCATION	1	26.0	AERONAUTICAL TECHNOLOGY	21	22.3
HUMAN, FAM/CONS SCI EDUC	4	19.8	AC, HEATING, REFRIG TECH	0	0.0
INDUSTRIAL ARTS EDUCATION	1	18.0	ARCHITECTURAL DESIGN TECH	10	18.4
MATHEMATICS EDUCATION	16	21.9	BIOMEDICAL EQUIPMENT TECH	2	25.0
MUSIC EDUCATION	31	22.3	CIVIL ENGINEERING TECH	10	27.5
PHYSICAL EDUCATION	42	17.2	COMPUTER ENGINEERING TECH	18	25.4
SCIENCE EDUCATION	9	21.7	CONSTRUCTION/BLDG TECH	0	0.0
SOC STUDIES/SOC SCI EDUC	19	21.9	DRAFTING & DESIGN TECH	4	20.3
SPECIAL EDUCATION	26	19.0	ELECTRICAL ENG TECHNOLOGY	6	22.2
SPEECH CORRECTION EDUC	2	23.5	ELECTRONIC ENG TECHNOLOGY	8	23.1
TEACHING ENGL AS 2ND LANG	1	18.0	ELECTROMECHAN INSTR TECH	0	0.0
TECH/TRADE & IND ED	2	17.0	ENVIRONMENTAL CONTRL TECH	0	0.0
TEACHER EDUCATION, OTHER	8	18.5	INDUSTRRL PRODUCTION TECH	1	18.0
TEACHER EDUCATION, GEN	165	19.7			

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	( 68)	(20.2)
MANUFACTURING TECHNOLOGY	3	26.3	CHILD DEV, CARE, GUIDANCE	3	18.3
MECHANICAL ENG TECH	20	24.6	CHILD CARE AIDE/ASSISTING	1	15.0
MINING & PETROLEUM TECH	0	0.0	CULINARY ARTS	8	19.1
OCCUPATL SFTY & HLTH TECH	0	0.0	FAMILY/CONS RESOURCE MGMT	0	0.0
SURVEYING & MAPPING TECH	0	0.0	FASHION DESIGN	10	18.7
ENGINEERING TECH, OTHER	8	25.3	FOOD PRODUCTN, MGMT, SVCS	3	18.0
ENGINEER-RELATD TECH, GEN	98	24.0	FOOD SCI & NUTR/DIETETICS	12	22.6
			HUMAN ENVIRON & HOUSING	0	0.0
FOREIGN LANGUAGES	( 82)	(25.0)	INDIVIDUAL & FAMILY DEVEL	0	0.0
ASIATIC LANGUAGES	6	24.8	TEXTILES AND CLOTHING	3	23.3
CLASSICAL LANGUAGES	3	27.7	HUMAN, FAM/CONS SCI, GEN	28	20.3
FRENCH	8	25.8			
GERMAN	5	24.4	LETTERS	( 80)	(25.3)
ITALIAN	0	0.0	CLASSICS	1	29.0
MIDDLE EASTERN LANGUAGES	1	29.0	COMPARATIVE LITERATURE	1	32.0
RUSSIAN	0	0.0	CREATIVE WRITING	27	24.5
SPANISH	19	23.8	ENGLISH, GENERAL	38	25.4
FOREIGN LANGUAGES, OTHER	8	21.5	LINGUISTICS	1	31.0
FOREIGN LANGUAGES, GEN	32	26.1	LITERATURE, ENGLISH/AMER	2	23.0
			SPEECH & RHETORICAL STUDY	0	0.0
HEALTH SCI & ALLIED HLTH	( 1689)	(21.2)	LETTERS, GENERAL	10	25.5
CHIROPRACTIC	14	21.2			
DENTAL ASSISTING	2	13.5	MATHEMATICS	( 60)	(26.9)
DENTAL HYGIENE	21	19.0	ACTUARIAL SCIENCES	8	27.3
DENTAL LAB/TECHNOLOGY	0	0.0	APPLIED MATHEMATICS	8	26.4
DENTISTRY	22	20.5	STATISTICS	2	23.5
EMERG MED TECH/PARAMEDIC	5	15.2	MATHEMATICS, GENERAL	42	27.1
HEALTH CARE ADMIN	6	17.0			
MEDICAL/SURG ASSISTING	16	18.9	PHILOS, RELIG & THEOLOGY	( 68)	(22.8)
MEDICAL LAB/TECHNOLOGY	9	21.9	BIBLE STUDIES	6	21.8
MED RECORDS ADMIN/TECH	0	0.0	PHILOSOPHY	5	22.8
MEDICINE	241	23.4	RELIGION	4	22.3
MNTL HLTH & HUM SVCS/TECH	4	27.5	RELIGIOUS EDUCATION	2	26.5
NUCLEAR MEDICINE TECH	2	21.5	RELIGIOUS MUSIC	2	24.0
NURSING (PRACTICAL)	22	17.7	THEOLOGY	7	22.1
NURSING (REGISTERED)	301	19.4	PHILOS, RELIG & THEOL, GEN	42	22.9
OCCUPATNL THERAPY/ASSIST	20	20.9			
OPTOMETRY	7	19.1			
PHARMACY	179	22.9			
PHYSICIAN ASSISTING	29	21.6			
PHYSICAL THERAPY/ASSIST	156	20.8			
RADIOLOGY/RADIOLOGIC TECH	19	19.1			
REC/ART/MUSIC THERAPY	3	26.7			
RESPIRATORY THERAPY/TECH	2	19.5			
SPEECH PATHOL/AUDIOLOGY	10	22.5			
VETERINARIAN ASSISTING	4	17.8			
VETERINARY MEDICINE	50	22.3			
HEALTH SCI & ALLIED, GEN	545	21.0			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
SCIENCES (BIOL & PHYSICAL) (	780)	(23.9)	VISUAL/PERFORM ARTS	( 482)	(21.9)
ASTRONOMY	10	23.6	APPLIED DESIGN/CRAFTS	5	20.6
ATMOSPHER SCI & METEOROL	15	23.6	ART	33	22.4
BIOCHEMISTRY & BIOPHYSICS	50	27.0	ART HIST & APPRECIATION	4	28.0
BIOLOGY	276	23.4	CINEMATOGRAPHY/FILM/VIDEO	26	23.0
BOTANY	1	31.0	DANCE	25	20.6
CHEMISTRY	89	24.7	DESIGN, GENERAL	20	20.7
EARTH SCIENCE	4	23.8	DRAMA/THEATRE ARTS	41	22.3
ECOLOGY/ENV STUDIES	23	23.0	FINE ARTS, GENERAL	14	23.9
GEOLOGY	5	26.4	GRAPHIC ARTS TECHNOLOGY	6	21.3
MICROBIOLOGY	12	25.3	GRAPHIC DESIGN	39	20.5
OCEANOGRAPHY	12	22.3	MUSIC (LIBERAL ARTS)	17	24.1
PHYSICS	28	27.8	MUSIC PERFORMANCE	50	23.9
ZOOLOGY	31	23.7	MUSIC THEORY & COMPOSIT	15	22.0
SCIENCES (BIO & PHYS), GEN	224	23.2	PHOTOGRAPHY	13	20.0
			VISUAL/PERFORM ARTS, GEN	174	21.2
SOCIAL SCIENCES (	779)	(22.8)	UNDECIDED	( 948)	(21.5)
ANTHROPOLOGY	13	26.2			
ECONOMICS	4	23.3			
GEOGRAPHY	0	0.0			
HISTORY	70	24.5			
INTERNATIONAL RELATIONS	39	26.9			
LAW	124	21.6			
PARALEGAL/LEGAL ASSISTING	3	19.0			
POLITICAL SCI/GOVERNMENT	85	25.0			
PSYCHOLOGY	238	21.5			
SOCIOLOGY	22	22.5			
URBAN STUDIES	0	0.0			
SOCIAL SCIENCES, GENERAL	181	22.6			
TRADE & INDUSTRIAL (	37)	(19.4)			
AIRCRAFT TECHNICIAN	2	18.5			
AIRPLANE PILOTING & NAVIG	9	20.9			
AUTOMOTIVE BODY REPAIR	1	16.0			
AUTOMOTIVE TECHNOLOGY	3	17.0			
AVIATION MANAGEMENT	1	23.0			
COMPUTER ELECTRNCS/REPAIR	1	18.0			
CONSTRCT TRADES & CARPENT	3	19.0			
DIESEL MECHANICS & TECH	2	24.0			
DRAFTING	2	19.5			
ELECTRICAL EQUIP REPAIR	1	19.0			
HEATING, AC, REFRIG MECH	1	19.0			
MACHINE TECHNOLOGY	1	21.0			
MECHANICAL DRAFTING	0	0.0			
WELDING & WELDING TECH	3	20.0			
TRADE & INDUSTRIAL, GEN	7	17.1			

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)	15	16.9	11	17.6	4	15.0	2	16.5	12	17.1
BUSINESS OPER (04-05)	24	17.6	10	18.8	13	16.6	11	18.7	13	16.7
TECHNICAL (06-07)	51	17.4	25	17.7	25	17.2	31	17.5	19	17.1
SCIENCE & TECH (08-09)	41	18.4	23	20.0	17	16.5	17	20.0	24	17.2
ARTS (10-11)	22	17.5	9	17.3	13	17.5	3	18.3	19	17.3
SOCIAL SERVICE (12-01)	15	15.9	5	15.2	8	16.5	2	16.0	13	15.8
OTHER*	83	17.0	33	17.7	42	16.2	27	16.2	54	17.3
TOTAL	251	17.3	116	18.1	122	16.6	93	17.7	154	17.1
<u>PLAN ON 4-YEARS OR MORE OF COLLEGE</u>										
ADMIN & SALES (02-03)	969	21.3	647	22.1	297	19.6	315	21.7	644	21.2
BUSINESS OPER (04-05)	605	21.3	420	21.7	161	20.2	280	20.9	317	21.6
TECHNICAL (06-07)	962	21.5	639	22.0	289	20.4	543	21.5	405	21.5
SCIENCE & TECH (08-09)	1501	22.9	1037	23.1	423	22.4	600	23.4	887	22.5
ARTS (10-11)	1173	22.9	807	23.3	339	21.8	272	23.2	887	22.7
SOCIAL SERVICE (12-01)	1153	21.5	771	22.1	335	20.2	257	21.2	883	21.6
OTHER*	3275	22.0	1943	22.6	944	20.9	1319	22.3	1918	21.7
TOTAL	9638	22.0	6264	22.5	2788	20.9	3586	22.2	5941	21.9

\* 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	3208	3.30	3.26	3.48	3.32	3.34	0.54
FEMALE	5509	3.50	3.32	3.55	3.40	3.44	0.49
NO RESPONSE	92	3.44	3.25	3.53	3.33	3.39	0.48
AFRICAN-AMERICAN/BLACK	694	3.04	2.84	3.12	2.94	2.99	0.56
CAUCASIAN-AMERICAN/WHITE	6902	3.46	3.33	3.56	3.41	3.44	0.49
OTHER MINORITY	524	3.46	3.39	3.53	3.38	3.44	0.51
MISSING/PREFER NO RESP	689	3.50	3.36	3.59	3.45	3.47	0.49
TOTAL	8809	3.43	3.30	3.53	3.37	3.40	0.51

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 50, THIS MEANS THAT 50% 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 42 PERCENT OF STUDENTS SCORED BELOW 21.

TABLE 4 EXAMPLE

STD SCORE	ACT COMPOSITE	
	FREQ	CP
36	3	99
35	20	99
34	38	99
33	70	99
32	123	99
31	197	98
30	284	96
29	348	94
28	496	91
27	568	87
26	625	82
25	769	77
24	758	70
23	857	64
22	820	56
21	893	50 <-- 50% OF THE STUDENTS SCORE AT OR BELOW 21
20	848	42 <-- 42% OF THE STUDENTS SCORE BELOW 21
19	851	35
18	787	28
17	664	21
16	583	15
15	463	11
14	355	7
13	219	4
12	137	2
11	43	1
10	19	1
9	7	1
8	1	1
7	2	1
6	0	1
5	0	1
4	0	1
3	0	1
2	0	1
1	0	1

