

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

**STATE COMPOSITE FOR
MONTANA**

CODE 270-000

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	3620	2790	55/ 42	22.0/19.2	22.9/19.4	23.7/20.8	23.0/20.5	23.0/20.1
2001-02	3390	2709	53/ 43	22.0/19.1	23.0/19.6	23.6/20.8	23.0/20.4	23.0/20.1
2002-03	3294	2793	51/ 43	22.3/19.1	23.1/19.5	23.7/20.8	23.1/20.4	23.2/20.1
2003-04	3121	2749	50/ 44	22.3/19.2	23.2/19.6	23.9/20.9	23.1/20.3	23.2/20.1
2004-05	3154	2582	51/ 42	22.3/19.4	23.1/19.8	23.7/21.0	23.1/20.4	23.2/20.3

EXECUTIVE SUMMARY - AVERAGE ACT SCORES FOR TOTAL GROUP

	NUMBER	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
2000-01	6641	20.8	21.3	22.4	21.9	21.7
2001-02	6368	20.7	21.4	22.3	21.8	21.7
2002-03	6470	20.7	21.4	22.3	21.7	21.7
2003-04	6255	20.8	21.4	22.4	21.7	21.7
2004-05	6178	21.0	21.5	22.4	21.8	21.8

EXECUTIVE SUMMARY - ACT SCORE QUARTILE VALUES FOR TOTAL GROUP

	ENGLISH	MATH	READING	SCIENCE	COMPOSITE
Q3 (75TH PERCENTILE)	24.6	25.2	26.4	24.4	24.9
Q2 (50TH PERCENTILE - MEDIAN)	20.9	21.2	22.3	21.6	21.7
Q1 (25TH PERCENTILE)	17.3	17.5	18.3	19.1	18.6

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= 8) (N= 115) (N= 2711) (N= 29) (N= 34) (N= 12)						
ENGLISH	19.0	16.6	22.6	20.1	21.1	21.4
USAGE/MECH	9.9	7.8	11.4	9.8	10.4	10.8
RHET SKILLS	9.3	8.6	11.7	10.7	11.0	11.0
MATHEMATICS	20.9	18.2	23.4	20.6	22.3	21.6
PRE/ELEM-ALG	10.9	9.3	12.6	11.2	11.5	10.9
ALG/CRD-GEOM	10.5	9.0	11.7	10.2	11.3	11.1
PLANE GEOM/TRIG	10.6	8.8	11.9	9.9	11.6	11.6
READING	21.6	18.8	23.8	22.2	22.4	25.1
SOC STU/SCI	10.6	9.7	12.3	11.6	12.0	12.2
ARTS/LITERATURE	11.1	9.2	12.2	11.3	11.1	13.5
SCIENCE	21.5	19.1	23.3	20.7	21.1	21.8
COMPOSITE	20.9	18.2	23.4	21.0	21.9	22.7
LESS THAN CORE (N= 6) (N= 153) (N= 2135) (N= 38) (N= 33) (N= 10)						
ENGLISH	13.7	14.7	19.8	18.9	20.1	17.6
USAGE/MECH	5.2	6.7	9.7	9.2	10.1	8.4
RHET SKILLS	8.2	7.6	10.3	9.7	10.3	9.0
MATHEMATICS	15.3	16.1	20.1	19.5	19.4	16.7
PRE/ELEM-ALG	7.8	7.6	10.5	9.7	10.1	8.3
ALG/CRD-GEOM	6.5	8.0	10.0	9.7	9.5	7.9
PLANE GEOM/TRIG	7.0	7.9	10.2	10.2	9.7	8.6
READING	15.0	17.2	21.3	19.8	20.8	18.4
SOC STU/SCI	7.3	8.5	10.9	10.0	11.0	9.5
ARTS/LITERATURE	7.2	8.7	10.9	10.1	10.3	9.0
SCIENCE	14.8	17.2	20.7	20.4	19.3	20.2
COMPOSITE	14.8	16.4	20.6	19.8	20.0	18.3
NO RESPONSE (N= 4) (N= 44) (N= 308) (N= 2) (N= 4) (N= 1)						

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= 18)	(N= 312)	(N= 5154)	(N= 69)	(N= 71)	(N= 23)
ENGLISH	16.6	15.3	21.3	19.4	20.5	19.7
USAGE/MECH	7.8	7.1	10.7	9.4	10.2	9.7
RHET SKILLS	8.6	7.9	11.1	10.1	10.7	10.1
MATHEMATICS	18.7	16.9	21.9	19.9	20.8	19.3
PRE/ELEM-ALG	9.6	8.3	11.6	10.3	10.7	9.8
ALG/CRD-GEOM	8.9	8.3	10.9	9.9	10.3	9.6
PLANE GEOM/TRIG	9.2	8.3	11.1	10.1	10.6	10.2
READING	19.2	17.8	22.7	20.8	21.6	21.9
SOC STU/SCI	9.5	8.9	11.6	10.6	11.5	10.8
ARTS/LITERATURE	9.8	8.8	11.6	10.6	10.6	11.4
SCIENCE	18.7	17.9	22.1	20.5	20.3	21.0
COMPOSITE	18.4	17.1	22.1	20.3	20.9	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	1 26.0	50 20.7	1947 24.9	14 24.2	22 24.6	7 21.9
3.00 - 3.49	5 21.6	51 17.3	1113 21.4	17 19.5	20 20.2	5 20.8
2.50 - 2.99	2 17.5	48 16.9	731 19.8	10 18.1	14 19.8	2 22.0
2.00 - 2.49	1 8.0	40 15.9	405 18.7	13 19.3	5 14.8	4 19.3
1.99 & BELOW	1 12.0	31 15.5	115 17.3	1 17.0	0 0.0	1 16.0
CGPA PRED BY STUDENT						
3.5 - 4.0	3 23.0	29 22.2	1562 25.2	16 24.5	16 25.1	5 22.6
3.0 - 3.4	7 20.0	90 17.8	2043 21.7	24 19.8	28 21.2	10 21.2
2.5 - 2.9	2 15.5	65 16.6	788 19.4	12 20.1	17 17.7	3 16.3
2.0 - 2.4	4 13.0	43 15.7	289 18.0	15 17.7	1 14.0	3 19.3
1.9 & BELOW	0 0.0	17 14.3	58 16.9	2 13.0	0 0.0	1 21.0
HIGH SCHOOL RANK						
TOP QUARTER	6 19.8	89 19.3	2313 24.4	22 23.4	27 24.2	6 22.3
2ND QUARTER	6 19.0	86 16.4	1556 20.7	29 18.5	22 20.0	8 20.8
BOTTOM HALF	3 17.0	60 16.2	719 18.6	14 19.5	14 17.1	8 19.1

TABLE 3 STUDENT SATISFACTION WITH VARIOUS ASPECTS OF HIGH SCHOOL EXPERIENCE

		SATISFIED NO CHANGE NECESSARY		PRETTY MUCH NEUTRAL		DISSATISFIED IMPROVEMENT NEEDED		NO EXPER- IENCE	
		NUMBER	PCT	NUMBER	PCT	NUMBER	PCT	NUMBER	PCT
CLASSROOM INSTRUCTION	MALE	1296	21	828	13	187	3	18	0
	FEMALE	1553	25	1140	18	251	4	21	0
	TOTAL	2868	46	1981	32	442	7	39	1
NO. & VARIETY OF COURSE OFFERINGS	MALE	1064	17	636	10	585	9	43	1
	FEMALE	1195	19	784	13	957	15	28	0
	TOTAL	2277	37	1429	23	1550	25	72	1
GRADING PRACTICES & POLICIES	MALE	1043	17	907	15	343	6	35	1
	FEMALE	1438	23	1018	16	471	8	31	1
	TOTAL	2500	40	1933	31	823	13	66	1
NO. & KINDS OF TESTS GIVEN	MALE	1012	16	1078	17	212	3	26	0
	FEMALE	1289	21	1298	21	334	5	33	1
	TOTAL	2315	37	2392	39	552	9	59	1
GUIDANCE SERV PROVIDED BY GUIDANCE OFFICE	MALE	1179	19	688	11	370	6	89	1
	FEMALE	1426	23	794	13	615	10	119	2
	TOTAL	2621	42	1494	24	991	16	210	3
SCHOOL RULES, REGULATIONS, & POLICIES	MALE	811	13	852	14	623	10	37	1
	FEMALE	1012	16	1015	16	886	14	41	1
	TOTAL	1833	30	1878	30	1524	25	78	1
LIBRARY OR LEARNING CENTER	MALE	1200	19	780	13	284	5	64	1
	FEMALE	1524	25	992	16	389	6	51	1
	TOTAL	2744	44	1784	29	677	11	115	2
LABORATORY FACILITIES	MALE	1050	17	845	14	341	6	88	1
	FEMALE	1240	20	1092	18	495	8	131	2
	TOTAL	2304	37	1949	32	842	14	222	4
PROVISIONS FOR SPECIAL HELP IN READING, MATH, ETC	MALE	806	13	740	12	189	3	589	10
	FEMALE	1069	17	878	14	290	5	721	12
	TOTAL	1889	31	1631	26	480	8	1318	21
PROVISIONS FOR ACADEMICALLY OUTSTANDING STU	MALE	1037	17	715	12	314	5	261	4
	FEMALE	1358	22	845	14	495	8	261	4
	TOTAL	2409	39	1573	25	812	13	528	9
ADEQUACY OF PROG IN CAREER EDUC & PLANNING	MALE	826	13	929	15	391	6	172	3
	FEMALE	1029	17	1049	17	658	11	214	3
	TOTAL	1867	30	1993	32	1055	17	389	6

NUMBER OF STUDENTS - 6178

TABLE 4 ACT SCORE DISTRIBUTIONS, CUMULATIVE PERCENTAGES, AND AVERAGES FOR ALL STUDENTS (NUMBER OF STUDENTS = 6178)

STD SCORE	ACT ENGLISH		ACT MATHEMATICS		ACT READING		ACT SCIENCE		ACT COMPOSITE	
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP
36	2	99	3	99	28	99	18	99	0	99
35	18	99	15	99	66	99	27	99	4	99
34	53	99	43	99	97	98	31	99	15	99
33	44	99	37	99	107	97	45	99	28	99
32	60	98	46	98	89	95	53	98	50	99
31	91	97	76	98	166	94	43	97	92	98
30	91	96	78	96	220	91	49	96	111	97
29	201	94	182	95	198	87	130	96	150	95
28	199	91	234	92	240	84	145	94	222	93
27	215	88	315	88	307	80	169	91	296	89
26	262	84	402	83	359	75	349	89	360	84
25	335	80	353	77	293	70	418	83	372	79
24	348	75	485	71	394	65	567	76	442	72
23	345	69	406	63	445	58	575	67	528	65
22	497	63	300	57	385	51	527	58	503	57
21	513	55	348	52	333	45	722	49	532	49
20	482	47	407	46	507	40	602	37	513	40
19	421	39	411	40	344	31	451	28	472	32
18	396	32	474	33	246	26	403	20	409	24
17	327	26	537	25	288	22	264	14	321	17
16	270	21	500	17	287	17	171	10	267	12
15	339	16	291	9	181	13	139	7	207	8
14	175	11	148	4	260	10	85	5	127	5
13	126	8	65	1	161	5	71	3	88	3
12	104	6	16	1	107	3	55	2	47	1
11	91	4	3	1	38	1	33	1	17	1
10	80	3	1	1	15	1	25	1	3	1
9	43	2	2	1	9	1	9	1	1	1
8	37	1	0	1	5	1	2	1	1	1
7	9	1	0	1	1	1	0	1	0	1
6	4	1	0	1	1	1	0	1	0	1
5	0	1	0	1	0	1	0	1	0	1
4	0	1	0	1	1	1	0	1	0	1
3	0	1	0	1	0	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	117	2	98	2	298	5	121	2	47	1
28-32	642	10	616	10	913	15	420	7	625	10
24-27	1160	19	1555	25	1353	22	1503	24	1470	24
20-23	1837	30	1461	24	1670	27	2426	39	2076	34
16-19	1414	23	1922	31	1165	19	1289	21	1469	24
13-15	640	10	504	8	602	10	295	5	422	7
01-12	368	6	22	0	177	3	124	2	69	1

AVG(SD) 21.0(5.4) 21.5(4.8) 22.4(5.7) 21.8(4.4) 21.8(4.5)

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 = 6178)

STD SCORE	USAGE/MECH		RHET SKILLS		SOC STU/SCI		ARTS/LIT		STD SCORE
	FREQ	CP	FREQ	CP	FREQ	CP	FREQ	CP	
18	105	99	21	99	97	99	241	99	18
17	222	98	71	99	375	98	321	96	17
16	217	95	258	99	376	92	399	91	16
15	362	91	333	94	489	86	488	84	15
14	383	85	520	89	481	78	343	77	14
13	403	79	524	81	515	71	535	71	13
12	572	73	843	72	698	62	841	62	12
11	664	63	790	58	633	51	561	49	11
10	688	53	888	46	643	41	544	40	10
9	636	41	720	31	613	30	458	31	9
8	653	31	464	20	562	20	433	23	8
7	489	21	329	12	312	11	364	16	7
6	331	13	201	7	191	6	315	11	6
5	199	7	129	3	100	3	232	5	5
4	171	4	61	1	49	2	71	2	4
3	63	1	23	1	33	1	25	1	3
2	17	1	3	1	6	1	7	1	2
1	3	1	0	1	5	1	0	1	1
AVERAGE	10.4		10.9		11.5		11.4		
S.D.	3.5		2.9		3.3		3.6		

STD SCORE	PRE/ELEM		ALG/CRD-GEOM		PLN GEOM/TRIG		STD SCORE
	FREQ	ALG CP	FREQ	CP	FREQ	CP	
18	126	99	39	99	33	99	18
17	239	98	51	99	54	99	17
16	436	94	143	99	182	99	16
15	392	87	221	96	330	96	15
14	610	81	618	93	536	90	14
13	635	71	421	83	663	82	13
12	530	61	1049	76	887	71	12
11	638	52	742	59	634	57	11
10	583	42	793	47	1188	46	10
9	468	32	967	34	604	27	9
8	763	25	447	18	403	17	8
7	509	12	260	11	338	11	7
6	184	4	177	7	153	5	6
5	42	1	133	4	28	3	5
4	17	1	58	2	86	2	4
3	2	1	43	1	19	1	3
2	4	1	6	1	27	1	2
1	0	1	10	1	13	1	1
AVERAGE	11.4		10.7		10.9		
S.D.	3.2		2.8		2.8		

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	2780	20.5	5.4	22.2	5.0	22.1	5.8	22.4	4.6	21.9	4.6
FEMALES	3353	21.3	5.3	21.0	4.5	22.7	5.7	21.4	4.1	21.7	4.3
NO RESPONSE	45	20.1	4.6	20.4	3.6	22.2	4.1	21.1	3.4	21.1	3.3

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

SCORE RANGE	M		F		M		F		M		F	
	M	F	M	F	M	F	M	F	M	F	M	F
33-36	2	2	3	1	4	5	3	1	1	1	1	1
28-32	9	11	13	7	14	16	9	5	12	9	12	9
24-27	16	21	27	24	22	22	27	22	23	24	23	24
20-23	29	30	22	24	27	27	37	41	33	34	33	34
16-19	25	21	28	34	19	19	18	23	23	24	23	24
13-15	11	9	7	9	11	9	4	5	7	7	7	7
01-12	7	5	0	0	3	2	2	2	1	1	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	923	17	23.6	26	15	42	10	615	22	240	12
GOOD	2452	45	22.4	82	47	202	48	1348	47	820	41
AVERAGE	1293	24	20.3	38	22	111	26	535	19	609	31
BELOW AVERAGE	260	5	20.1	11	6	21	5	94	3	134	7
VERY INADEQUATE	296	5	21.1	14	8	30	7	152	5	100	5
NO RESPONSE	206	4	22.7	3	2	13	3	110	4	80	4
NO. OF STUDENTS	5430			174		419		2854		1983	

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	6178	21.0	5.4	21.5	4.8	22.4	5.7	21.8	4.4	21.8	4.5
COLLEGE CORE											
E4, M3, SS3, NS3	3154	22.3	5.1	23.1	4.6	23.7	5.5	23.1	4.1	23.2	4.2
In between	1876	19.8	5.1	20.1	4.3	21.3	5.5	20.7	4.0	20.6	4.1
E4, M2, SS2, NS2	706	18.4	5.6	19.1	4.7	20.1	5.8	19.6	4.4	19.4	4.6
No Response	442	20.0	5.3	20.3	4.5	21.4	5.5	20.7	4.3	20.7	4.3
HS GPA RANGES											
3.50 - 4.00	2205	24.2	4.7	24.7	4.3	25.5	5.1	24.3	4.0	24.8	3.8
3.00 - 3.49	1316	20.3	4.4	21.0	3.9	21.7	5.1	21.3	3.6	21.2	3.6
2.50 - 2.99	858	18.6	4.7	19.2	3.7	20.2	5.0	20.1	3.7	19.6	3.6
2.00 - 2.49	499	17.3	4.6	17.9	3.4	18.7	4.8	19.1	3.8	18.4	3.5
1.99 & below	162	15.7	4.3	16.9	2.8	17.1	4.3	17.9	3.4	17.0	2.9

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	1261	20	3.39	21.4	22.2
ENG 9, ENG 10, ENG 11, ENG 12	4108	66	3.28	21.1	21.9
LESS THAN 4 YEARS OF ENGLISH	349	6	3.18	19.5	20.5
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	460	7	- . -	19.9	20.7
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	434	7	3.66	26.2	25.9
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	496	8	3.27	23.0	23.1
ALG 1, ALG 2, GEOM, TRIG	577	9	2.99	21.6	21.8
ALG 1, ALG 2, GEOM, OTHER ADV MATH	760	12	3.19	21.7	21.9
ALG 1, ALG 2, GEOM	1133	18	2.59	18.8	19.7
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	1169	19	3.57	24.8	24.4
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	289	5	3.12	21.5	21.9
LESS THAN 3 YEARS OF MATH	834	13	2.43	18.0	18.8
NO MATH COURSE/GRADE INFORMATION REPORTED	486	8	- . -	20.3	20.7
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	514	8	3.44	22.3	21.8
US HIST, WORLD HIST, AM GOVT	1534	25	3.32	22.5	22.0
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	1191	19	3.52	22.9	22.1
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	1538	25	3.37	22.9	22.2
LESS THAN 3 YEARS OF SOC SCI	917	15	3.20	21.3	21.0
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	484	8	- . -	21.3	20.7
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	1631	26	3.55	23.8	23.9
BIOLOGY, CHEMISTRY, PHYSICS	307	5	3.53	25.0	25.5
GEN SCIENCE, BIOLOGY, CHEMISTRY	1633	26	3.21	21.7	21.6
OTHER COMBINATIONS OF 3 YEARS NAT SCI	299	5	3.21	22.5	22.5
LESS THAN 3 YEARS OF NAT SCI	1806	29	2.82	19.8	19.7
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	502	8	- . -	20.7	20.7

STATE COMPOSITE FOR
MONTANATABLE 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	521	19	3.25	21.1	22.3
ENG 9, ENG 10, ENG 11, ENG 12	1838	66	3.13	20.7	22.1
LESS THAN 4 YEARS OF ENGLISH	176	6	3.05	19.1	20.5
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	245	9	- . -	19.3	20.6
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	203	7	3.59	27.1	26.0
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	190	7	3.18	24.1	23.2
ALG 1, ALG 2, GEOM, TRIG	235	8	2.96	22.4	22.1
ALG 1, ALG 2, GEOM, OTHER ADV MATH	294	11	3.09	22.2	21.6
ALG 1, ALG 2, GEOM	499	18	2.53	19.4	19.7
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	578	21	3.56	25.8	24.9
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	142	5	3.04	21.6	21.7
LESS THAN 3 YEARS OF MATH	375	13	2.37	18.2	18.6
NO MATH COURSE/GRADE INFORMATION REPORTED	264	9	- . -	20.7	20.6
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	266	10	3.45	22.5	22.3
US HIST, WORLD HIST, AM GOVT	710	26	3.26	22.1	22.1
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	484	17	3.42	22.6	22.3
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	622	22	3.32	22.8	22.5
LESS THAN 3 YEARS OF SOC SCI	437	16	3.11	20.8	21.0
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	261	9	- . -	20.8	20.6
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	799	29	3.52	24.5	24.2
BIOLOGY, CHEMISTRY, PHYSICS	156	6	3.46	25.6	25.7
GEN SCIENCE, BIOLOGY, CHEMISTRY	580	21	3.07	22.3	21.7
OTHER COMBINATIONS OF 3 YEARS NAT SCI	178	6	3.19	22.9	22.5
LESS THAN 3 YEARS OF NAT SCI	797	29	2.73	20.0	19.4
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	270	10	- . -	21.1	20.6

STATE COMPOSITE FOR
MONTANATABLE 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	735	22	3.49	21.6	22.0
ENG 9, ENG 10, ENG 11, ENG 12	2235	67	3.40	21.4	21.8
LESS THAN 4 YEARS OF ENGLISH	170	5	3.30	19.9	20.5
NO ENGLISH COURSE/GRADE INFORMATION REPORTED	213	6	- . -	20.7	20.8
MATHEMATICS COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS MATH	ACT MATH	ACT COMP
ALG 1, ALG 2, GEOM, TRIG, CALC	227	7	3.72	25.5	25.8
ALG 1, ALG 2, GEOM, TRIG, OTHER ADV MATH	303	9	3.32	22.4	23.0
ALG 1, ALG 2, GEOM, TRIG	333	10	3.01	21.1	21.7
ALG 1, ALG 2, GEOM, OTHER ADV MATH	464	14	3.26	21.3	22.0
ALG 1, ALG 2, GEOM	621	19	2.64	18.4	19.7
OTHER COMBINATIONS OF 4 OR MORE YEARS MATH	588	18	3.59	23.8	23.8
OTHER COMBINATIONS OF 3 OR 3.5 YEARS MATH	146	4	3.18	21.3	22.0
LESS THAN 3 YEARS OF MATH	453	14	2.48	17.7	18.9
NO MATH COURSE/GRADE INFORMATION REPORTED	218	7	- . -	19.9	20.8
SOCIAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS SOC SCI	ACT READING	ACT COMP
US HIST, WORLD HIST, AM GOVT, OTHER HIST	243	7	3.44	22.1	21.3
US HIST, WORLD HIST, AM GOVT	818	24	3.38	22.7	21.9
OTHER COMBINATIONS OF 4 OR MORE YRS SOC SCI	699	21	3.59	23.1	22.0
OTHER COMBINATIONS OF 3 OR 3.5 YRS SOC SCI	904	27	3.39	23.0	22.0
LESS THAN 3 YEARS OF SOC SCI	469	14	3.28	21.8	21.0
NO SOC SCI COURSE/GRADE INFORMATION REPORTED	220	7	- . -	22.0	20.9
NATURAL SCIENCE COURSE PATTERN	NUMBER OF STUDENTS	PCT	HS NAT SCI	ACT SCIENCE	ACT COMP
GEN SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS	821	24	3.57	23.2	23.6
BIOLOGY, CHEMISTRY, PHYSICS	150	4	3.60	24.5	25.3
GEN SCIENCE, BIOLOGY, CHEMISTRY	1041	31	3.28	21.3	21.6
OTHER COMBINATIONS OF 3 YEARS NAT SCI	119	4	3.23	21.9	22.4
LESS THAN 3 YEARS OF NAT SCI	993	30	2.88	19.6	19.8
NO NAT SCI COURSE/GRADE INFORMATION REPORTED	229	7	- . -	20.3	20.8

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	144	20.7	33	52	4	5	2	2	3	3
ARCH & ENVIR DESIGN	137	22.2	30	53	3	3	2	3	3	3
BUSINESS & MGMT	421	21.6	30	53	9	8	8	8	8	8
BUSINESS & OFFICE	39	20.4	15	41	0	0	1	1	1	1
MARKETING & DISTRIBUTION	25	21.1	16	56	0	0	1	1	0	1
COMMUNICATION & COMM TEC	135	22.7	27	54	2	2	3	3	3	3
COMMUNITY & PRSNL SVCS	153	19.5	42	44	2	3	4	4	3	4
COMPUTER & INFO SCI	147	22.4	37	50	6	6	1	1	3	3
CROSS-DISC STUDIES	7	24.3	0	43	0	0	0	0	0	0
EDUCATION	261	21.4	38	48	3	3	7	7	5	5
TEACHER EDUCATION	146	21.1	41	49	3	3	3	4	3	3
ENGINEERING	304	24.1	30	53	12	11	1	1	6	5
ENGINEERING-RELATED TECH	158	23.4	20	60	6	6	1	1	3	3
FOREIGN LANGUAGES	20	24.1	20	55	0	0	0	0	0	0
HEALTH SCI & ALLIED HLTH	981	21.6	44	45	10	11	27	29	20	21
HUMAN, FAMILY/CONS SCI	47	20.4	53	38	0	0	1	2	1	1
LETTERS	37	25.9	16	65	1	0	1	1	1	1
MATHEMATICS	15	25.3	13	67	0	0	0	0	0	0
PHILOS, RELIG & THEOL	28	22.8	57	25	1	1	1	1	1	1
SCI (BIOL & PHYSICAL)	295	23.8	31	52	6	4	6	4	6	4
SOCIAL SCIENCES	384	22.7	36	50	5	4	10	10	8	7
TRADE & INDUSTRIAL	138	19.0	51	40	6	8	0	0	3	4
VISUAL & PERFORM ARTS	345	22.0	47	41	6	6	8	8	7	7
UNDECIDED	662	21.5	9	11	15	14	12	10	13	12
NO RESPONSE	1149									

NUMBER OF STUDENTS - 6178

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	593	19.7	10	AFRICAN-AMER/BLACK	18	18.4	0
COLL PREP	2854	23.4	46	AM INDIAN,ALASKAN NTV	312	17.1	5
OTHER/GENERAL/NO RESP	2731	20.6	44	CAUCASIAN-AMER/WHITE	5154	22.1	83
REQUEST ASSISTANCE WITH				MEXICAN-AMER/CHICANO	69	20.3	1
ED/OCCUP PLANS	2276	21.9	37	ASIAN-AMER,PACIFIC ISL	71	20.9	1
EXPR IDEAS IN WRITING	1117	20.3	18	PUERTO RICAN,HISPANIC	23	20.6	0
READING/COMPREHENSION	1250	19.5	20	OTHER	67	20.3	1
STUDY SKILLS	1975	20.3	32	MULTIRACIAL	77	21.9	1
MATH SKILLS	1957	19.9	32	PREFER NOT TO RESPOND	202	22.4	3
PERSONAL CONCERNS	432	20.1	7	NO RESPONSE	185	21.8	3
EXPRESSED FIN NEED				ESTIMATED FAMILY INCOME			
NEED FINANCIAL AID	4993	21.9	81	LESS THAN \$18,000	446	20.1	7
NEED TO FIND WORK	4365	21.8	71	ABOUT \$18,000-\$24,000	429	20.7	7
SPECIAL COLLEGE PROG				ABOUT \$24,000-\$30,000	449	21.2	7
INDEP STUDY	2200	22.8	36	ABOUT \$30,000-\$36,000	429	21.4	7
HONORS COURSES	1581	25.0	26	ABOUT \$36,000-\$42,000	506	21.9	8
ADV PLACEMENT IN COLL				ABOUT \$42,000-\$50,000	563	21.8	9
ENGLISH	1364	24.2	22	ABOUT \$50,000-\$60,000	612	22.3	10
MATH	1313	24.5	21	ABOUT \$60,000-\$80,000	760	22.5	12
SOCIAL STUDIES	1060	23.9	17	ABOUT \$80,000-\$100,000	441	23.2	7
NATURAL SCIENCE	1072	23.9	17	MORE THAN \$100,000	378	23.9	6
FOREIGN LANG	811	23.2	13	NO RESPONSE	1165	21.3	19
MAX YEARLY COLL TUITION				HS CLASS RANK			
\$1000 & UNDER	115	17.6	2	TOP QTR	2673	24.2	43
\$1001 - \$2000	150	19.1	2	2ND QTR	1828	20.5	30
\$2001 - \$4000	593	20.6	10	3RD QTR	776	18.5	13
\$4001 - \$7500	1089	21.5	18	4TH QTR	111	17.6	2
\$7501 & OVER	389	21.7	6	NO RESPONSE	790	20.8	13
NO PREFERENCE	2990	22.6	48	EDUC DEG ASPIRATION			
NO RESPONSE	852	21.3	14	VOC-TECH	118	18.6	2
MOST RECENTLY TESTED				2YR COL DEGREE	338	18.3	5
SOPHOMORE	25	24.3	0	BACHELORS DEGREE	2458	21.2	40
JUNIOR	1874	22.7	30	GRAD STUDY	922	23.7	15
SENIOR	4065	21.4	66	PROF LEVEL DEGREE	1534	23.3	25
OTHER/NO RESPONSE	214	21.9	3	OTHER	187	19.5	3
COLLEGE CORE PREPARATION				NO RESPONSE	621	20.7	10
CORE OR MORE	3154	23.2	51	NUMBER OF STUDENTS			
LESS THAN CORE	2582	20.3	42	HOME SCHOOLED	82	21.9	1
NO RESPONSE	442	20.7	7	EARNED A GED	9	19.7	0
				ALL STUDENTS	6178	21.8	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	
2420 MT ST UNIV-BOZEMAN	MT	2755	1170	1585	0	5	24	35	25	10	1	
2422 UNIV OF MONTANA	MT	2488	971	1517	1	6	25	36	24	8	1	
2416 MT STATE U-BILLINGS	MT	1113	400	713	1	10	32	35	18	3	0	
2408 CARROLL COLLEGE-MT	MT	685	190	495	1	4	21	32	31	11	1	
2418 MONTANA TECH	MT	519	156	363	1	6	24	35	23	11	1	
2426 ROCKY MOUNTAIN COLL	MT	413	66	347	1	9	31	32	20	7	0	
2428 U MONTANA WESTERN	MT	402	82	320	2	9	34	37	16	2	0	
2424 MONTANA ST U-NORTHRN	MT	294	97	197	4	15	34	30	14	3	0	
4458 GONZAGA UNIVERSITY	WA	287	54	233	0	1	10	29	37	22	1	
4484 UNIV OF WASHINGTON	WA	254	43	211	0	1	11	35	32	20	2	
3210 DICKINSON STATE UNIV	ND	198	46	152	1	8	29	40	20	3	0	
2410 UNIV OF GREAT FALLS	MT	197	39	158	3	12	38	34	12	3	1	
4482 WASHINGTON STATE U	WA	180	31	149	0	2	11	31	37	19	2	
2425 U OF MONTANA-HELENA	MT	167	39	128	3	14	34	34	14	2	0	
2432 MSU C TCH-GREAT FLLS	MT	162	43	119	2	14	38	30	14	2	0	
3201 UNIVERSITY OF MARY	ND	146	31	115	3	3	22	38	27	7	0	
5004 NORTHWEST COLL-WY	WY	139	42	97	3	9	35	37	14	3	1	
3498 UNIVERSITY OF OREGON	OR	138	22	116	0	1	12	36	28	22	0	
2412 MILES COMM COLL	MT	136	42	94	4	9	38	30	18	1	0	
2417 FLATHEAD VALLEY CC	MT	128	40	88	2	16	25	33	21	4	0	
3482 OREGON STATE UNIV	OR	125	19	106	1	2	11	41	29	16	0	
2414 DAWSON C C	MT	114	43	71	7	14	33	22	18	5	1	
0504 COLORADO STATE UNIV	CO	97	19	78	0	0	14	40	36	8	1	
3218 U OF NORTH DAKOTA	ND	91	18	73	0	0	14	42	27	16	0	
0928 UNIVERSITY OF IDAHO	ID	90	20	70	0	1	10	31	33	22	2	
4454 EASTERN WASHINGTON U	WA	88	16	72	0	1	23	39	26	11	0	
0922 NORTH IDAHO COLLEGE	ID	86	24	62	2	5	38	42	10	2	0	
0926 BRIGHAM YOUNG-IDAHO	ID	84	37	47	0	0	18	42	30	11	0	
0088 ARIZONA STATE UNIV	AZ	83	20	63	1	6	20	39	20	13	0	
4478 SEATTLE UNIVERSITY	WA	79	15	64	0	1	16	27	30	24	1	
5006 UNIV OF WYOMING	WY	79	11	68	0	5	18	39	32	6	0	
0532 U OF CO-BOULDER	CO	77	16	61	0	3	13	38	29	17	1	
4266 BRIGHAM YOUNG UNIV	UT	77	44	33	0	0	12	30	44	14	0	
3202 NORTH DAKOTA STATE U	ND	75	11	64	1	1	13	43	31	11	0	
3214 MINOT STATE UNIV	ND	75	18	57	1	8	29	43	13	5	0	
ALL OTHER INSTITUTIONS		5181	1231	3950	1	5	18	30	29	16	2	
TOTALS		17302	5166	12136	1	6	23	33	25	11	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	(144)	(20.7)	BUSINESS & OFFICE	(39)	(20.4)
AGRICULTURAL BUSINESS	13	22.4	BOOKKEEPING/ACCT TECH	5	19.4
AGRICULTURAL ECONOMICS	1	24.0	BUSINESS DP/COMPUTER OPER	1	20.0
AGRICULTURAL MECHANICS	4	18.8	COURT REPORTING	0	0.0
AGRI PRODUCTION/TECH	0	0.0	OFFICE SUPERVISION & MGMT	2	17.5
AGRONOMY	1	23.0	SECRETARIAL	3	18.0
ANIMAL SCIENCES	16	20.5	TYPING & GENERAL OFFICE	0	0.0
FARM & RANCH MANAGEMENT	8	20.3	WORD PROCESSING	0	0.0
FISH, GAME, WILDLIFE MGMT	29	20.7	BUSINESS & OFFICE, GEN	28	21.1
FOOD SCIENCES/ENGINEERING	0	0.0			
FORESTRY & RELATED SCI	12	19.5	MARKETING & DISTRIBUTION	(25)	(21.1)
HORTICULTURE/ORNMENTAL HORT	1	18.0	FASHION MERCHANDISING	9	18.9
NATURAL RESOURCES MGMT	1	24.0	RETAILING & SALES	2	23.0
AGRICULTURE & AG TECH, GEN	58	20.7	TRAVEL SERVICES & TOURISM	1	28.0
			MARKETING & DISTRIB, GEN	13	21.8
ARCH & ENVIR DESIGN	(137)	(22.2)			
ARCHITECTURAL DRAFTING	29	21.6	COMMUNICATIONS & COMM TECH	(135)	(22.7)
ARCHITECTURE	21	23.9	ADVERTISING	9	24.6
BLDG CON/CONSTRUCTION SCI	4	19.0	GRAPHIC/COMMERCIAL ART	8	20.1
CITY, COMM & REG PLANNING	0	0.0	GRAPHIC & PRINT COMMUNIC	2	25.0
ENVIRONMENTAL DESIGN	0	0.0	JOURNALISM	30	23.9
INTERIOR DESIGN	21	20.6	PHOTO/FILM/VIDEO TECH	12	21.8
LANDSCAPE ARCHITECTURE	10	23.4	PUBLIC RELATIONS	8	21.9
ARCHI & ENVIR DESIGN, GEN	52	22.6	RADIO/TV BROADCASTING	13	22.5
			RADIO/TV PRODUCTN & TECH	3	22.7
BUSINESS & MGMT	(421)	(21.6)	COMMUNIC & COMM TECH, GEN	50	22.4
ACCOUNTING	49	21.2			
BANKING & FINANCE	5	22.2	COMMNTY & PRSNL SVCS	(153)	(19.5)
BUSINESS ADMIN & MGMT	45	21.2	CORRECTIONS	1	13.0
BUSINESS ECONOMICS	12	23.2	COSMETOLOGY/HAIRSTYLING	25	19.2
CONTRACT MGMT & PURCHSING	1	21.0	CRIMINAL JUSTICE/CRIMINOL	44	19.0
HOTEL/RESTAURANT MGMT	1	25.0	FIRE PROTECTN/SAFETY TECH	3	20.0
HUMAN RESOURCE DEVEL/TRNG	0	0.0	FUNERAL SVCS/MORTUARY SCI	1	13.0
INSTITUTIONAL MANAGEMENT	1	19.0	LAW ENFORCEMENT & ADMIN	18	17.9
INSURANCE & RISK MGMT	0	0.0	LIBRARY SCI/LIB ASSISTING	0	0.0
INTERNATL BUSINESS/MGMT	13	23.2	MILITARY SCIENCE/TECH	4	21.5
LABOR/INDUSTRL RELATIONS	0	0.0	PARKS & RECREATION	0	0.0
MANAGEMENT INFO SYSTEMS	0	0.0	PUBLIC ADMINISTRATION	1	26.0
MANAGEMENT SCIENCE	0	0.0	PUBLIC AFFAIRS	2	21.5
MARKETING MGMT & RESEARCH	7	21.3	SOCIAL WORK	14	21.4
ORGANIZATIONAL BEHAVIOR	0	0.0	COMMNTY & PRSNL SVCS, GEN	40	20.0
PERSONNEL MANAGEMENT	1	24.0			
REAL ESTATE	4	21.5			
SML BUSINESS MGMT/OWNRSHIP	23	21.1			
TRADE & INDUSTRIAL MGMT	0	0.0			
TRANSPORTATION MANAGEMENT	1	18.0			
BUSINESS & MGMT, GEN	258	21.7			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
COMPUTER & INFO SCI	(147)	(22.4)	ENGINEERING	(304)	(24.1)
COMPUTER PROGRAMMING	52	22.3	AEROSPACE ENGINEERING	27	25.8
COMPUTER SCIENCE	35	23.3	AGRICULTURAL ENGINEERING	4	21.5
DATA PROCESSING	0	0.0	ARCHITECTURAL ENGINEERING	4	25.0
INFO SCIENCES & SYSTEMS	0	0.0	BIOENGINEER & BIOMED ENG	5	24.0
MATH/COMPUTER SCIENCE	2	24.0	CERAMIC ENGINEERING	0	0.0
COMPUTER & INFO SCI, GEN	58	21.8	CHEMICAL ENGINEERING	15	26.0
CROSS-DISC STUDIES	(7)	(24.3)	CIVIL ENGINEERING	21	24.4
AREA & ETHNIC STUDIES	0	0.0	COMPUTER ENGINEERING	7	26.7
LIBERAL ARTS/GEN STUDIES	2	29.0	CONSTRUCTION ENG/MGMT	4	19.8
MULTI-/INTERDISC STUDIES	0	0.0	ELECTRCL & ELECTRONIC ENG	17	24.8
CROSS-DISC STUDIES, GEN	5	22.4	ENGINEERING MANAGEMENT	0	0.0
EDUCATION	(261)	(21.4)	ENGINEERING PHYSICS	1	26.0
ADULT & CONTINUING EDUC	2	18.5	ENGINEERING SCIENCE	1	32.0
EDUCATION ADMINISTRATION	3	24.0	ENVIRONMENTAL HEALTH ENG	2	22.0
ELEMENTARY EDUCATION	96	21.0	GEOLOGICAL & GEOPHYS ENG	2	24.0
JR HIGH/MIDDLE SCH EDUC	8	19.9	INDUSTRIAL ENGINEERING	2	23.0
PRE-ELEMENTARY EDUCATION	10	20.0	MATERIALS ENGINEERING	0	0.0
SECONDARY EDUCATION	35	23.9	MECHANICAL ENGINEERING	38	24.0
STUDENT COUNSELING	1	25.0	METALLURGICAL ENGINEERING	1	26.0
TEACHER AIDE	1	14.0	MINING & MINERAL ENG	1	23.0
EDUCATION, GENERAL	105	21.3	NAVAL ARCHIT & MARINE ENG	1	20.0
TEACHER EDUCATION	(146)	(21.1)	NUCLEAR ENGINEERING	3	24.7
AGRICULTURAL EDUCATION	0	0.0	OCEAN ENGINEERING	0	0.0
ART EDUCATION	7	21.9	PETROLEUM ENGINEERING	3	24.3
BUSINESS EDUCATION	1	25.0	SYSTEMS ENGINEERING	0	0.0
ENGLISH EDUCATION	13	23.8	ENGINEERING, GENERAL	145	23.6
FOREIGN LANGUAGES EDUC	1	26.0	ENGINEERING-RELATED TECH	(158)	(23.4)
HEALTH EDUCATION	0	0.0	AERONAUTICAL TECHNOLOGY	6	25.8
HUMAN, FAM/CONS SCI EDUC	0	0.0	AC, HEATING, REFRIG TECH	0	0.0
INDUSTRIAL ARTS EDUCATION	0	0.0	ARCHITECTURAL DESIGN TECH	5	25.0
MATHEMATICS EDUCATION	4	20.0	BIOMEDICAL EQUIPMENT TECH	2	31.0
MUSIC EDUCATION	13	22.2	CIVIL ENGINEERING TECH	10	22.6
PHYSICAL EDUCATION	16	18.9	COMPUTER ENGINEERING TECH	8	26.3
SCIENCE EDUCATION	2	21.5	CONSTRUCTION/BLDG TECH	3	20.0
SOC STUDIES/SOC SCI EDUC	11	23.3	DRAFTING & DESIGN TECH	2	21.5
SPECIAL EDUCATION	8	20.3	ELECTRICAL ENG TECHNOLOGY	7	20.6
SPEECH CORRECTION EDUC	1	17.0	ELECTRONIC ENG TECHNOLOGY	5	23.2
TEACHING ENGL AS 2ND LANG	1	31.0	ELECTROMECHAN INSTR TECH	0	0.0
TECH/TRADE & IND ED	0	0.0	ENVIRONMENTAL CONTRL TECH	1	21.0
TEACHER EDUCATION, OTHER	6	21.2	INDUSTRRL PRODUCTION TECH	0	0.0
TEACHER EDUCATION, GEN	62	20.4			

STATE COMPOSITE FOR
MONTANA

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	(47)	(20.4)
MANUFACTURING TECHNOLOGY	0	0.0	CHILD DEV, CARE, GUIDANCE	6	20.5
MECHANICAL ENG TECH	17	23.1	CHILD CARE AIDE/ASSISTING	2	14.5
MINING & PETROLEUM TECH	3	19.7	CULINARY ARTS	12	19.6
OCCUPATL SFTY & HLTH TECH	0	0.0	FAMILY/CONS RESOURCE MGMT	0	0.0
SURVEYING & MAPPING TECH	0	0.0	FASHION DESIGN	4	20.3
ENGINEERING TECH, OTHER	10	21.5	FOOD PRODUCTN, MGMT, SVCS	0	0.0
ENGINEER-RELATD TECH, GEN	79	23.7	FOOD SCI & NUTR/DIETETICS	5	22.2
			HUMAN ENVIRON & HOUSING	0	0.0
FOREIGN LANGUAGES	(20)	(24.1)	INDIVIDUAL & FAMILY DEVEL	1	22.0
ASIATIC LANGUAGES	1	23.0	TEXTILES AND CLOTHING	2	21.0
CLASSICAL LANGUAGES	2	25.5	HUMAN, FAM/CONS SCI, GEN	15	21.1
FRENCH	0	0.0			
GERMAN	3	25.0	LETTERS	(37)	(25.9)
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	18	26.8
SPANISH	3	19.7	ENGLISH, GENERAL	6	24.5
FOREIGN LANGUAGES, OTHER	1	28.0	LINGUISTICS	4	22.8
FOREIGN LANGUAGES, GEN	10	24.5	LITERATURE, ENGLISH/AMER	1	30.0
			SPEECH & RHETORICAL STUDY	1	28.0
HEALTH SCI & ALLIED HLTH	(981)	(21.6)	LETTERS, GENERAL	6	25.2
CHIROPRACTIC	4	19.3			
DENTAL ASSISTING	4	18.0	MATHEMATICS	(15)	(25.3)
DENTAL HYGIENE	26	19.9	ACTUARIAL SCIENCES	2	26.0
DENTAL LAB/TECHNOLOGY	1	16.0	APPLIED MATHEMATICS	2	25.5
DENTISTRY	22	22.0	STATISTICS	1	24.0
EMERG MED TECH/PARAMEDIC	4	14.5	MATHEMATICS, GENERAL	10	25.3
HEALTH CARE ADMIN	2	18.5			
MEDICAL/SURG ASSISTING	4	21.0	PHILOS, RELIG & THEOLOGY	(28)	(22.8)
MEDICAL LAB/TECHNOLOGY	7	21.3	BIBLE STUDIES	3	21.7
MED RECORDS ADMIN/TECH	4	16.5	PHILOSOPHY	6	24.8
MEDICINE	130	23.4	RELIGION	1	19.0
MNTL HLTH & HUM SVCS/TECH	2	24.0	RELIGIOUS EDUCATION	4	21.5
NUCLEAR MEDICINE TECH	0	0.0	RELIGIOUS MUSIC	1	26.0
NURSING (PRACTICAL)	28	18.9	THEOLOGY	1	25.0
NURSING (REGISTERED)	138	21.1	PHILOS, RELIG & THEOL, GEN	12	22.3
OCCUPATNL THERAPY/ASSIST	7	20.3			
OPTOMETRY	6	24.0			
PHARMACY	50	23.0			
PHYSICIAN ASSISTING	6	20.3			
PHYSICAL THERAPY/ASSIST	89	20.7			
RADIOLOGY/RADIOLOGIC TECH	24	21.2			
REC/ART/MUSIC THERAPY	2	23.0			
RESPIRATORY THERAPY/TECH	6	22.2			
SPEECH PATHOL/AUDIOLOGY	1	29.0			
VETERINARIAN ASSISTING	9	18.6			
VETERINARY MEDICINE	32	22.4			
HEALTH SCI & ALLIED, GEN	373	21.6			

TABLE 13 (CONTINUED)

	NUMBER OF STUDENTS	AVERAGE ACT COMP		NUMBER OF STUDENTS	AVERAGE ACT COMP
SCIENCES (BIOL & PHYSICAL) (	295)	(23.8)	VISUAL/PERFORM ARTS (	345)	(22.0)
ASTRONOMY	8	22.3	APPLIED DESIGN/CRAFTS	1	25.0
ATMOSPHER SCI & METEOROL	3	21.3	ART	30	20.0
BIOCHEMISTRY & BIOPHYSICS	13	26.7	ART HIST & APPRECIATION	3	24.0
BIOLOGY	90	23.8	CINEMATOGRAPHY/FILM/VIDEO	26	23.3
BOTANY	4	21.3	DANCE	7	24.1
CHEMISTRY	20	25.6	DESIGN, GENERAL	10	21.2
EARTH SCIENCE	1	23.0	DRAMA/THEATRE ARTS	26	23.0
ECOLOGY/ENV STUDIES	10	24.4	FINE ARTS, GENERAL	10	21.2
GEOLOGY	8	23.5	GRAPHIC ARTS TECHNOLOGY	9	23.4
MICROBIOLOGY	12	25.3	GRAPHIC DESIGN	25	22.2
OCEANOGRAPHY	5	19.0	MUSIC (LIBERAL ARTS)	18	23.9
PHYSICS	6	27.7	MUSIC PERFORMANCE	41	23.5
ZOOLOGY	19	22.0	MUSIC THEORY & COMPOSIT	11	24.0
SCIENCES (BIO & PHYS), GEN	96	23.4	PHOTOGRAPHY	21	19.3
			VISUAL/PERFORM ARTS, GEN	107	21.3
SOCIAL SCIENCES (	384)	(22.7)	UNDECIDED (	662)	(21.5)
ANTHROPOLOGY	15	24.7			
ECONOMICS	5	24.4			
GEOGRAPHY	2	25.5			
HISTORY	27	23.6			
INTERNATIONAL RELATIONS	13	27.1			
LAW	60	23.4			
PARALEGAL/LEGAL ASSISTING	1	14.0			
POLITICAL SCI/GOVERNMENT	28	26.4			
PSYCHOLOGY	121	21.8			
SOCIOLOGY	15	19.8			
URBAN STUDIES	1	19.0			
SOCIAL SCIENCES, GENERAL	96	21.7			
TRADE & INDUSTRIAL (	138)	(19.0)			
AIRCRAFT TECHNICIAN	3	22.7			
AIRPLANE PILOTING & NAVIG	12	19.8			
AUTOMOTIVE BODY REPAIR	11	18.8			
AUTOMOTIVE TECHNOLOGY	23	18.8			
AVIATION MANAGEMENT	0	0.0			
COMPUTER ELECTRNCS/REPAIR	0	0.0			
CONSTRCT TRADES & CARPENT	5	19.4			
DIESEL MECHANICS & TECH	16	18.1			
DRAFTING	1	21.0			
ELECTRICAL EQUIP REPAIR	5	16.6			
HEATING, AC, REFRIG MECH	2	21.5			
MACHINE TECHNOLOGY	1	15.0			
MECHANICAL DRAFTING	1	20.0			
WELDING & WELDING TECH	9	17.8			
TRADE & INDUSTRIAL, GEN	49	19.2			

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)	20	18.6	6	20.0	14	18.0	5	20.6	15	17.9
BUSINESS OPER (04-05)	51	18.3	8	17.6	42	18.5	16	18.6	34	18.2
TECHNICAL (06-07)	134	18.1	41	18.9	90	17.8	92	18.0	42	18.2
SCIENCE & TECH (08-09)	75	19.1	25	21.5	47	18.0	44	20.3	30	17.6
ARTS (10-11)	35	19.1	9	20.7	25	18.4	10	20.4	25	18.6
SOCIAL SERVICE (12-01)	21	18.7	7	20.3	13	17.6	8	18.6	13	18.8
OTHER*	120	18.0	28	20.4	86	17.3	51	17.8	69	18.1
TOTAL	456	18.4	124	19.9	317	17.8	226	18.6	228	18.2
<u>PLAN ON 4-YEARS OR MORE OF COLLEGE</u>										
ADMIN & SALES (02-03)	356	22.2	196	23.4	157	20.6	113	23.0	242	21.8
BUSINESS OPER (04-05)	357	21.4	189	22.6	165	19.9	155	21.1	201	21.6
TECHNICAL (06-07)	690	21.9	429	23.1	253	19.9	464	22.0	222	21.7
SCIENCE & TECH (08-09)	1034	23.0	641	24.0	379	21.5	543	23.2	478	22.9
ARTS (10-11)	591	23.0	353	23.9	226	21.8	172	23.5	415	22.8
SOCIAL SERVICE (12-01)	443	22.1	206	23.5	228	21.0	93	21.6	348	22.3
OTHER*	1443	22.1	783	23.3	578	20.5	635	22.5	796	21.9
TOTAL	4914	22.3	2797	23.5	1986	20.8	2175	22.5	2702	22.2

* 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	2187	3.15	3.05	3.31	3.16	3.16	0.65
FEMALE	2818	3.42	3.13	3.43	3.26	3.31	0.59
NO RESPONSE	35	3.31	2.94	3.41	3.37	3.25	0.59
AFRICAN-AMERICAN/BLACK	10	2.70	3.02	3.12	3.06	2.93	0.62
CAUCASIAN-AMERICAN/WHITE	4311	3.33	3.12	3.39	3.24	3.27	0.61
OTHER MINORITY	407	3.02	2.77	3.17	2.92	2.98	0.68
MISSING/PREFER NO RESP	312	3.33	3.15	3.40	3.23	3.28	0.61
TOTAL	5040	3.30	3.09	3.37	3.21	3.24	0.62

APPENDIX

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 49, THIS MEANS THAT 49% 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 40 PERCENT OF STUDENTS SCORED BELOW 21.

TABLE 4 EXAMPLE

STD SCORE	ACT COMPOSITE	
	FREQ	CP
36	0	99
35	4	99
34	15	99
33	28	99
32	50	99
31	92	98
30	111	97
29	150	95
28	222	93
27	296	89
26	360	84
25	372	79
24	442	72
23	528	65
22	503	57
21	532	49 <-- 49% OF THE STUDENTS SCORE AT OR BELOW 21
20	513	40 <-- 40% OF THE STUDENTS SCORE BELOW 21
19	472	32
18	409	24
17	321	17
16	267	12
15	207	8
14	127	5
13	88	3
12	47	1
11	17	1
10	3	1
9	1	1
8	1	1
7	0	1
6	0	1
5	0	1
4	0	1
3	0	1
2	0	1
1	0	1

