

ACT Prediction Report

CODE: 0142

SOUTHERN ARKANSAS UNIVERSITY

MAGNOLIA, AR

2010-2011 FRESHMEN - SUBGROUP 0 (SUMMARY ANALYSIS)

120329

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PREDICTION REPORT 2010-2011 FRESHMEN

ACT Research Services

PREDICTION RESEARCH SERVICE REPORT

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This report is for your students who were freshmen during the 2010-2011 academic year. Assistance in understanding this report and applying the results on your campus is provided in the publication: "Your College Freshmen: Interpretive Guide to ACT Research Services for Higher Education".

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TABLE H-1 RELATIVE EFFICIENCY OF DIFFERENT ACT INDICES IN PREDICTING COLLEGE GRADES

COLLEGE GPA	AREA	NCNT	T INDEX R SE-EST		H INDEX R SE-EST		TH INDEX R SE-EST	
ENGLISH	E	172	0.227	1.252	0.394	1.181	0.390	1.166
MATHEMATICS	M	135	0.310	1.282	0.408	1.231	0.431	1.194
SOCIAL SCIENCE	S	83	0.378	1.119	0.446	1.082	0.513	1.005
NATURAL SCIENCE	N	52	0.474	1.048	0.466	1.052	0.582	0.919
OVERALL	O	439	0.208	0.975	0.387	0.919	0.366	0.922

NATIONAL MEDIANS FOR ACT INDICES OBTAINED FROM THE 1997-98 PREDICTION RESEARCH SERVICES *

COLLEGE GPA	T INDEX R SE-EST		H INDEX R SE-EST		TH INDEX R SE-EST	
ENGLISH	0.356	0.961	0.398	0.945	0.452	0.907
MATHEMATICS	0.393	1.147	0.434	1.133	0.507	1.056
SOCIAL SCIENCE	0.452	0.980	0.456	0.988	0.532	0.911
NATURAL SCIENCE	0.478	0.970	0.473	0.961	0.560	0.889
OVERALL	0.423	0.808	0.484	0.781	0.530	0.747

* THESE DATA ARE TAKEN FROM SUMMARY TABLES S-4.1 THROUGH S-4.6

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TABLE H-2 COLLEGE GRADES AND ACADEMIC ABILITIES

STUDENTS ENROLLED IN	SIZE OF SAMPLE	MEANS			PCT AT OR BELOW MEAN**			STANDARD DEVIATIONS		
		ACT COMP	AVERAGE OF 4 HS GRADES	COLLEGE GPA*	ACT COMP	AVERAGE OF 4 HS GRADES	COLLEGE GPA*	ACT COMP	AVERAGE OF 4 HS GRADES	COLLEGE GPA*
ENGLISH	172	21.2	3.28	2.20	53	70	6	3.64	0.51	1.27
MATH	135	22.3	3.36	2.07	72	82	15	3.71	0.51	1.33
SOC SCI	83	22.0	3.42	2.31	68	88	37	3.59	0.50	1.18
NAT SCI	52	23.6	3.59	2.60	88	96	69	3.58	0.41	1.14
OVERALL	439	20.9	3.27	2.73	49	68	71	4.17	0.57	0.99

* REFERS TO ENGLISH GPA IN ENGLISH AREA, MATH GPA IN MATH AREA, ETC.

** REFERS TO THE RANKING OF THIS MEAN COMPARED WITH THE MEANS OF ALL SCHOOLS IN
1997-98 PREDICTION RESEARCH SERVICE

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TABLE H-3 COMPARISON OF COLLEGE GPA'S, LOCAL PREDICTORS, ACT SCORES, AND HS GRADES

PREDICTOR VARIABLES	COLLEGE ENGLISH GPA	COLLEGE MATH GPA	COLLEGE SOC SCI GPA	COLLEGE NAT SCI GPA	COLLEGE OVERALL GPA
LP 1 -	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 2 -	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 3 -	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 4 -	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 5 -	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 1 & ACT (T)	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 2 & ACT (T)	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 3 & ACT (T)	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 4 & ACT (T)	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 5 & ACT (T)	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 1 & ACT & HS (TH)	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 2 & ACT & HS (TH)	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 3 & ACT & HS (TH)	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 4 & ACT & HS (TH)	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0
LP 5 & ACT & HS (TH)	-.----	-.----	-.----	-.----	-.----
N-CT	0	0	0	0	0

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TABLE H-4 DISTRIBUTION OF COLLEGE GRADES BY DIFFERENT MEASURES OF HS ACADEMIC PREPARATION

STUDENTS WITH CORE PREPARATION*								
STUDENTS ENROLLED IN	NCNT	(% IN COLLEGE GPA INTERVAL)					COLLEGE GPA**	AVG ACT COMP
		3.5-4.0	2.5-3.4	1.5-2.4	0.5-1.4	0.0-0.4		
ENGLISH	158	10	42	23	8	16	2.23	21.2
MATHEMATICS	124	16	27	24	13	19	2.08	22.4
SOCIAL SCIENCE	70	19	31	33	9	9	2.43	22.5
NATURAL SCIENCE	49	24	35	29	4	8	2.63	23.9
OVERALL	385	25	47	17	6	5	2.77	21.2

STUDENTS WITHOUT CORE PREPARATION*								
STUDENTS ENROLLED IN	NCNT	(% IN COLLEGE GPA INTERVAL)					COLLEGE GPA**	AVG ACT COMP
		3.5-4.0	2.5-3.4	1.5-2.4	0.5-1.4	0.0-0.4		
ENGLISH	14	29	14	14	7	36	1.93	20.9
MATHEMATICS	11	9	9	55	18	9	1.91	21.0
SOCIAL SCIENCE	13	0	31	31	15	23	1.69	19.1
NATURAL SCIENCE	3	0	33	33	33	0	2.00	18.7
OVERALL	54	22	37	28	6	7	2.51	18.1

* CORE IS DEFINED AS 4 YEARS OF ENGLISH, 3 YEARS OF MATHEMATICS, 3 YEARS OF SOCIAL STUDIES,
AND 3 YEARS OF NATURAL SCIENCE

** REFERS TO ENGLISH GPA IN ENGLISH AREA, MATH GPA IN MATH AREA, ETC.

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TABLE H-5 2ND YEAR PERSISTERS AND NON-PERSISTERS

SUBGROUP	RETURNING 2ND YEAR STUDENTS						NON-RETURNING STUDENTS					
	<u>CORE</u>	<u>OR</u>	<u>MORE</u>	<u>LESS</u>	<u>THAN</u>	<u>CORE</u>	<u>CORE</u>	<u>OR</u>	<u>MORE</u>	<u>LESS</u>	<u>THAN</u>	<u>CORE</u>
	N	AVG GPA	AVG ACT	N	AVG GPA	AVG ACT	N	AVG GPA	AVG ACT	N	AVG GPA	AVG ACT
TOTAL STUDENTS	260	3.10	21.5	28	2.95	19.1	0	0.00	0.0	0	0.00	0.0
MEN	103	2.91	21.8	10	2.81	18.6	0	0.00	0.0	0	0.00	0.0
WOMEN	157	3.22	21.3	18	3.02	19.4	0	0.00	0.0	0	0.00	0.0
BLACK/AFRICAN AM	74	2.83	17.9	13	2.78	17.2	0	0.00	0.0	0	0.00	0.0
AM IND/ALASKA NT	1	1.60	25.0	0	0.00	0.0	0	0.00	0.0	0	0.00	0.0
WHITE	170	3.23	23.1	15	3.09	20.9	0	0.00	0.0	0	0.00	0.0
HISPANIC/LATINO	6	2.70	18.3	0	0.00	0.0	0	0.00	0.0	0	0.00	0.0
ASIAN	5	3.46	20.8	0	0.00	0.0	0	0.00	0.0	0	0.00	0.0
N HWN/OTH PAC IS	0	0.00	0.0	0	0.00	0.0	0	0.00	0.0	0	0.00	0.0
TWO OR MORE RACE	2	3.45	26.5	0	0.00	0.0	0	0.00	0.0	0	0.00	0.0
PREF NOT TO RESP	1	3.20	29.0	0	0.00	0.0	0	0.00	0.0	0	0.00	0.0
NO RESPONSE	1	2.30	17.0	0	0.00	0.0	0	0.00	0.0	0	0.00	0.0
FIRST CHOICE	121	3.09	21.2	16	3.00	20.0	0	0.00	0.0	0	0.00	0.0
SECOND CHOICE	29	3.22	20.6	3	2.63	16.0	0	0.00	0.0	0	0.00	0.0
CHOICES 3-6	30	3.32	22.5	2	3.00	21.5	0	0.00	0.0	0	0.00	0.0
OTHER	80	2.97	21.8	7	2.94	17.9	0	0.00	0.0	0	0.00	0.0

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TABLE LI - 1.1 ACT NORMS FOR THIS GROUP

SCORE	ENGLISH F CP	MATH F CP	READING F CP	SCIENCE F CP	COMP F CP	SCORE	ENGLISH F CP	MATH F CP	READING F CP	SCIENCE F CP	COMP F CP
36	0 99	0 99	2 99	0 99	0 99	18	16 32	37 39	24 36	37 29	41 33
35	0 99	0 99	1 99	0 99	0 99	17	22 28	55 31	39 31	21 21	31 24
34	2 99	0 99	5 99	1 99	0 99	16	34 23	44 18	30 22	26 16	36 17
33	3 99	0 99	3 98	2 99	0 99	15	24 16	25 8	19 15	17 10	19 8
32	7 99	1 99	6 97	0 99	0 99	14	12 10	6 2	19 11	5 6	14 4
31	7 97	1 99	11 96	2 99	3 99	13	10 8	2 1	12 7	12 5	1 1
30	12 96	2 99	14 94	1 99	9 99	12	9 5	2 1	4 4	4 3	2 1
29	6 93	4 99	18 90	5 99	7 97	11	8 3	0 1	8 3	4 2	1 1
28	12 92	8 98	12 86	7 97	11 96	10	4 1	0 1	2 1	2 1	0 1
27	12 89	11 96	9 84	18 96	22 93	9	1 1	0 1	0 1	1 1	0 1
26	19 86	22 94	13 82	21 92	18 88	8	0 1	0 1	1 1	0 1	0 1
25	17 82	29 89	16 79	25 87	29 84	7	1 1	0 1	2 1	0 1	0 1
24	31 78	42 82	18 75	31 81	17 77	6	0 1	0 1	0 1	0 1	0 1
23	21 71	25 73	23 71	37 74	28 74	5	0 1	0 1	0 1	0 1	0 1
22	36 66	35 67	31 66	26 66	27 67	4	0 1	0 1	0 1	0 1	0 1
21	43 58	29 59	27 59	45 60	49 61	3	0 1	0 1	0 1	0 1	0 1
20	38 48	27 52	26 52	55 50	43 50	2	0 1	0 1	0 1	0 1	0 1
19	32 39	32 46	44 46	34 37	31 40	1	0 1	0 1	0 1	0 1	0 1

PERCENTAGES OF SCORES IN VARIOUS INTERVALS

	ENGLISH	MATH	READING	SCIENCE	COMP
27-36	14	6	18	8	12
22-26	28	35	23	32	27
19-21	26	20	22	31	28
1-18	32	39	36	29	33

MEANS AND STANDARD DEVIATIONS OF ACT SCORES

	ENGLISH	MATH	READING	SCIENCE	COMP
MEAN	20.79	20.46	20.94	20.70	20.85
S.D.	5.19	3.93	5.64	4.17	4.17
NUMBER OF STUDENTS =			439		

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TABLE LI - 1.2 DISTRIBUTION OF HIGH SCHOOL GRADES IN THIS GROUP

	ENGLISH			MATHEMATICS			SOC STUDIES			NAT SCIENCE			AVERAGE, 4 H.S. GRADES			
	FREQ	PC	CP	FREQ	PC	CP	FREQ	PC	CP	FREQ	PC	CP	INTERVAL	FREQ	PC	CP
A	210	48	99	158	36	99	267	61	99	203	46	99	(3.5-4.0)	203	46	99
B	186	42	52	192	44	64	141	32	39	174	40	54	(2.5-3.4)	196	45	54
C	38	9	10	81	18	20	26	6	7	59	13	14	(1.5-2.4)	40	9	9
D	5	1	1	8	2	2	5	1	1	3	1	1	(0.5-1.4)	0	0	1
F	0	0	1	0	0	1	0	0	1	0	0	1	(0.0-0.4)	0	0	1

MEANS AND STANDARD DEVIATIONS OF HIGH SCHOOL GRADES

	ENGLISH	MATHEMATICS	SOC STUDIES	NAT SCIENCE	AVERAGE, 4 H.S. GRADES
MEAN	3.30	3.06	3.47	3.24	3.27
S.D.	0.64	0.74	0.61	0.68	0.57

NUMBER OF STUDENTS IN THIS GROUP 439

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TABLE LI - 1.3 FREQUENCY DISTRIBUTIONS OF COLLEGE GRADE POINT AVERAGES IN THIS GROUP

2019-2020							2020-2021								
SCORE	ENGLISH F CP	MATH F CP	SOC F CP	SCI F CP	NAT F CP	SCI F CP	OVERALL F CP	SCORE	ENGLISH F CP	MATH F CP	SOC F CP	SCI F CP	NAT F CP	SCI F CP	OVERALL F CP
4.0	20 99	21 99	13 99		12 99		29 99	1.9	0 26	0 32	0 20		0 13		2 17
3.9	0 88	0 84	0 84		0 77		3 93	1.8	0 26	0 32	0 20		0 13		7 17
3.8	0 88	0 84	0 84		0 77		16 93	1.7	0 26	0 32	0 20		0 13		5 15
3.7	0 88	0 84	0 84		0 77		18 89	1.6	0 26	0 32	0 20		0 13		4 14
3.6	0 88	0 84	0 84		0 77		25 85	1.5	0 26	0 32	0 20		0 13		7 13
3.5	0 88	0 84	0 84		0 77		17 79	1.4	0 26	0 32	0 20		0 13		8 11
3.4	0 88	0 84	0 84		0 77		30 75	1.3	0 26	0 32	0 20		0 13		1 10
3.3	0 88	0 84	0 84		0 77		18 69	1.2	0 26	0 32	0 20		0 13		3 9
3.2	0 88	0 84	0 84		0 77		31 64	1.1	0 26	0 32	0 20		0 13		4 9
3.1	0 88	0 84	0 84		0 77		17 57	1.0	14 26	18 32	8 20		3 13		4 8
3.0	69 88	35 84	26 84		18 77		20 54	0.9	0 17	0 19	0 11		0 8		1 7
2.9	0 48	0 59	0 53		0 42		11 49	0.8	0 17	0 19	0 11		0 8		3 7
2.8	0 48	0 59	0 53		0 42		27 46	0.7	0 17	0 19	0 11		0 8		1 6
2.7	0 48	0 59	0 53		0 42		14 40	0.6	0 17	0 19	0 11		0 8		1 6
2.6	0 48	0 59	0 53		0 42		15 37	0.5	0 17	0 19	0 11		0 8		0 5
2.5	0 48	0 59	0 53		0 42		19 34	0.4	0 17	0 19	0 11		0 8		1 5
2.4	0 48	0 59	0 53		0 42		9 29	0.3	0 17	0 19	0 11		0 8		2 5
2.3	0 48	0 59	0 53		0 42		10 27	0.2	0 17	0 19	0 11		0 8		3 5
2.2	0 48	0 59	0 53		0 42		14 25	0.1	0 17	0 19	0 11		0 8		2 4
2.1	0 48	0 59	0 53		0 42		6 22	0.0	30 17	25 19	9 11		4 8		16 4
2.0	39 48	36 59	27 53		15 42		15 21								

PERCENT OF STUDENTS IN VARIOUS GPA INTERVALS MEANS AND STANDARD DEVIATIONS OF COLLEGE GPAS

2010-2011						2011-2012							
ENGLISH	MATH	SOC	SCI	NAT	SCI	OVERALL	ENGLISH	MATH	SOC	SCI	NAT	SCI	OVERALL
3.5-4.0	12	16	16		23	25	MEAN	2.20	2.07	2.31		2.60	2.73
2.5-3.4	40	26	31		35	46							
1.5-2.4	23	27	33		29	18	S.D.	1.27	1.33	1.18		1.14	0.99
0.5-1.4	8	13	10		6	6							
0.0-0.4	17	19	11		8	5	N-NCT	172	135	83		52	439

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TABLE LI - 1.4 DISTRIBUTIONS OF PREDICTED G.P.A. (BASED ON T INDEX)

SCORE	ENGLISH F CP	MATH F CP	SOC F CP	SCI F CP	NAT F CP	SCI F CP	OVERALL F CP	SCORE	ENGLISH F CP	MATH F CP	SOC F CP	SCI F CP	NAT F CP	SCI F CP	OVERALL F CP
ABOVE	0 99	0 99	1 99	3 99	0 99	1.9	18 21	12 40	3 18	3 13	0 1				
3.4	0 99	0 99	0 99	1 94	0 99	1.8	12 10	8 31	6 14	2 8	0 1				
3.3	1 99	2 99	3 99	2 92	2 99	1.7	3 3	16 25	0 7	0 4	0 1				
3.2	0 99	0 99	0 95	2 88	7 99	1.6	3 2	6 13	3 7	1 4	0 1				
3.1	0 99	1 99	0 95	1 85	14 98	1.5	0 1	4 9	0 4	0 2	0 1				
3.0	0 99	0 98	4 95	6 83	55 95	1.4	0 1	3 6	2 4	0 2	0 1				
2.9	1 99	0 98	0 90	4 71	62 82	1.3	0 1	3 4	1 1	0 2	0 1				
2.8	3 99	1 98	3 90	1 63	64 68	1.2	0 1	2 1	0 1	0 2	0 1				
2.7	6 97	6 97	7 87	4 62	58 54	1.1	0 1	0 1	0 1	0 2	0 1				
2.6	9 94	5 93	4 78	5 54	77 40	1.0	0 1	0 1	0 1	1 2	0 1				
2.5	14 88	9 89	7 73	3 44	73 23	0.9	0 1	0 1	0 1	0 1	0 1				
2.4	19 80	10 82	7 65	3 38	20 6	0.8	0 1	0 1	0 1	0 1	0 1				
2.3	24 69	11 75	9 57	3 33	7 2	0.7	0 1	0 1	0 1	0 1	0 1				
2.2	13 55	11 67	6 46	3 27	0 1	0.6	0 1	0 1	0 1	0 1	0 1				
2.1	24 48	11 59	13 39	4 21	0 1	0.5	0 1	0 1	0 1	0 1	0 1				
2.0	22 34	14 50	4 23	0 13	0 1	BELOW	0 1	0 1	0 1	0 1	0 1				
NUMBER OF STUDENTS IN EACH DISTRIBUTION								172	135	83	52	439			

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TABLE LI - 1.5 DISTRIBUTIONS OF PREDICTED G.P.A. (BASED ON TH INDEX)

SCORE	ENGLISH F CP	MATH F CP	SOC F CP	SCI F CP	NAT F CP	SCI F CP	OVERALL F CP	SCORE	ENGLISH F CP	MATH F CP	SOC F CP	SCI F CP	NAT F CP	SCI F CP	OVERALL F CP
ABOVE	0 99	0 99	0 99	0 99	0 99	0 99	0 99	1.9	13 24	14 36	3 18	1 8	0 1	0 1	0 1
3.4	0 99	0 99	0 99	0 99	2 99	0 99	0 99	1.8	13 16	10 26	5 14	1 6	0 1	0 1	0 1
3.3	0 99	0 99	0 99	0 99	1 96	1 99	1 99	1.7	5 9	6 19	3 8	1 4	0 1	0 1	0 1
3.2	0 99	0 99	0 99	0 99	1 94	6 99	6 99	1.6	5 6	2 14	0 5	0 2	0 1	0 1	0 1
3.1	1 99	0 99	2 99	2 92	48 98	1.5	2 3	5 13	2 5	0 2	0 1	0 1	0 1	0 1	0 1
3.0	0 99	1 99	0 98	5 88	55 87	1.4	2 2	3 9	1 2	1 2	0 1	0 1	0 1	0 1	0 1
2.9	0 99	1 99	4 98	8 79	54 75	1.3	1 1	3 7	1 1	0 1	0 1	0 1	0 1	0 1	0 1
2.8	6 99	0 99	5 93	4 63	61 63	1.2	0 1	3 4	0 1	0 1	0 1	0 1	0 1	0 1	0 1
2.7	9 96	4 99	5 87	0 56	48 49	1.1	0 1	1 2	0 1	0 1	0 1	0 1	0 1	0 1	0 1
2.6	11 91	9 96	7 81	7 56	53 38	1.0	0 1	2 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
2.5	18 84	8 89	10 72	2 42	47 26	0.9	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
2.4	18 74	6 83	7 60	5 38	31 15	0.8	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
2.3	23 63	22 79	13 52	5 29	19 8	0.7	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
2.2	11 50	7 62	5 36	2 19	10 4	0.6	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
2.1	16 44	20 57	4 30	3 15	4 1	0.5	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
2.0	18 34	8 42	6 25	1 10	2 1	BELOW	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
NUMBER OF STUDENTS IN EACH DISTRIBUTION								172	135	83	52	439			

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TABLE LI - 2.1 COMPUTATIONAL TABLE FOR PREDICTING ENGLISH

STEP 1. TO PREDICT G.P.A. FROM ACT SCORES,
ADD THE APPROPRIATE DIGITS FROM FIGURE 1
TO THE ACT CONSTANT (6), THEN MARK OFF
ONE DECIMAL POSITION.

STEP 2. TO PREDICT G.P.A. FROM HIGH SCHOOL GRADES
ADD THE APPROPRIATE DIGITS FROM FIGURE 2
TO THE HIGH SCHOOL CONSTANT (-7), THEN
MARK OFF ONE DECIMAL POSITION.

STEP 3. TO OBTAIN THE OPTIMUM ACT INDEX, AVERAGE
THE TWO PREDICTIONS.

* * * * * FIGURE 2 * * * * *					
* (GRADE) x (REGR. COEF.) *					
* H.S. GRADES	ENG	MATH	SOC S	NAT S	*
* A=4	22	8	-3	8	*
* B=3	17	6	-2	6	*
* C=2	11	4	-1	4	*
* D=1	6	2	-1	2	*
* * * * *					

REGRESSION COEFFICIENTS

	B0	B1	B2	B3	B4
ACT SCORES	0.608	0.034	0.081	-0.038	-0.000
H.S. GRADES	-0.693	0.552	0.200	-0.063	0.209

----- FIGURE 1 -----
ACT (SCORE) x (REGR. COEF.)
SCORE ENG MATH RDNG SCI

36	12	29	-14	-0
35	12	28	-13	-0
34	11	28	-13	-0
33	11	27	-13	-0
32	11	26	-12	-0
31	10	25	-12	-0
30	10	24	-11	-0
29	10	24	-11	-0
28	9	23	-11	-0
27	9	22	-10	-0
26	9	21	-10	-0
25	8	20	-9	-0
24	8	20	-9	-0
23	8	19	-9	-0
22	7	18	-8	-0
21	7	17	-8	-0
20	7	16	-8	-0
19	6	15	-7	-0
18	6	15	-7	-0
17	6	14	-6	-0
16	5	13	-6	-0
15	5	12	-6	-0
14	5	11	-5	-0
13	4	11	-5	-0
12	4	10	-5	-0
11	4	9	-4	-0
10	3	8	-4	-0
9	3	7	-3	-0
8	3	7	-3	-0
7	2	6	-3	-0
6	2	5	-2	-0
5	2	4	-2	-0

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TABLE LI - 2.2 COMPUTATIONAL TABLE FOR PREDICTING MATHEMATICS

STEP 1. TO PREDICT G.P.A. FROM ACT SCORES,
ADD THE APPROPRIATE DIGITS FROM FIGURE 1
TO THE ACT CONSTANT (1), THEN MARK OFF
ONE DECIMAL POSITION.

STEP 2. TO PREDICT G.P.A. FROM HIGH SCHOOL GRADES
ADD THE APPROPRIATE DIGITS FROM FIGURE 2
TO THE HIGH SCHOOL CONSTANT (-11), THEN
MARK OFF ONE DECIMAL POSITION.

STEP 3. TO OBTAIN THE OPTIMUM ACT INDEX, AVERAGE
THE TWO PREDICTIONS.

* * * * * FIGURE 2 * * * * *					
* (GRADE) x (REGR. COEF.) *					
* H.S. GRADES	ENG	MATH	SOC S	NAT S	*
* A=4	25	15	-3	1	*
* B=3	19	11	-2	1	*
* C=2	13	8	-2	1	*
* D=1	6	4	-1	0	*
* * * * *					

REGRESSION COEFFICIENTS

	B0	B1	B2	B3	B4
ACT SCORES	0.108	0.070	0.116	-0.046	-0.051
H.S. GRADES	-1.104	0.627	0.382	-0.080	0.035

----- FIGURE 1 -----
ACT (SCORE) x (REGR. COEF.)
SCORE ENG MATH RDNG SCI

36	25	42	-16	-18
35	25	41	-16	-18
34	24	39	-16	-17
33	23	38	-15	-17
32	23	37	-15	-16
31	22	36	-14	-16
30	21	35	-14	-15
29	20	34	-13	-15
28	20	32	-13	-14
27	19	31	-12	-14
26	18	30	-12	-13
25	18	29	-11	-13
24	17	28	-11	-12
23	16	27	-11	-12
22	15	26	-10	-11
21	15	24	-10	-11
20	14	23	-9	-10
19	13	22	-9	-10
18	13	21	-8	-9
17	12	20	-8	-9
16	11	19	-7	-8
15	11	17	-7	-8
14	10	16	-6	-7
13	9	15	-6	-7
12	8	14	-5	-6
11	8	13	-5	-6
10	7	12	-5	-5
9	6	10	-4	-5
8	6	9	-4	-4
7	5	8	-3	-4
6	4	7	-3	-3
5	4	6	-2	-3

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TABLE LI - 2.3 COMPUTATIONAL TABLE FOR PREDICTING SOCIAL SCIENCE

STEP 1. TO PREDICT G.P.A. FROM ACT SCORES,
ADD THE APPROPRIATE DIGITS FROM FIGURE 1
TO THE ACT CONSTANT (-1), THEN MARK OFF
ONE DECIMAL POSITION.

STEP 2. TO PREDICT G.P.A. FROM HIGH SCHOOL GRADES
ADD THE APPROPRIATE DIGITS FROM FIGURE 2
TO THE HIGH SCHOOL CONSTANT (-15), THEN
MARK OFF ONE DECIMAL POSITION.

STEP 3. TO OBTAIN THE OPTIMUM ACT INDEX, AVERAGE
THE TWO PREDICTIONS.

* * * * * FIGURE 2 * * * * *					
* (GRADE) x (REGR. COEF.) *					
* H.S. GRADES	ENG	MATH	SOC S	NAT S	*
* A=4	23	-2	11	11	*
* B=3	17	-1	8	8	*
* C=2	12	-1	5	5	*
* D=1	6	-0	3	3	*
* * * * *					

REGRESSION COEFFICIENTS

	B0	B1	B2	B3	B4
ACT SCORES	-0.060	0.118	0.008	-0.037	0.018
H.S. GRADES	-1.469	0.576	-0.043	0.272	0.272

----- FIGURE 1 -----
ACT (SCORE) x (REGR. COEF.)
SCORE ENG MATH RDNG SCI

36	43	3	-13	6
35	41	3	-13	6
34	40	3	-13	6
33	39	3	-12	6
32	38	3	-12	6
31	37	3	-11	6
30	35	3	-11	5
29	34	2	-11	5
28	33	2	-10	5
27	32	2	-10	5
26	31	2	-10	5
25	30	2	-9	5
24	28	2	-9	4
23	27	2	-9	4
22	26	2	-8	4
21	25	2	-8	4
20	24	2	-7	4
19	22	2	-7	3
18	21	2	-7	3
17	20	1	-6	3
16	19	1	-6	3
15	18	1	-6	3
14	17	1	-5	3
13	15	1	-5	2
12	14	1	-4	2
11	13	1	-4	2
10	12	1	-4	2
9	11	1	-3	2
8	9	1	-3	1
7	8	1	-3	1
6	7	1	-2	1
5	6	0	-2	1

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SUBGROUP - 0 (SUMMARY ANALYSIS)

TABLE LI - 2.4 COMPUTATIONAL TABLE FOR PREDICTING NATURAL SCIENCE

STEP 1. TO PREDICT G.P.A. FROM ACT SCORES,
ADD THE APPROPRIATE DIGITS FROM FIGURE 1
TO THE ACT CONSTANT (-9), THEN MARK OFF
ONE DECIMAL POSITION.

STEP 2. TO PREDICT G.P.A. FROM HIGH SCHOOL GRADES
ADD THE APPROPRIATE DIGITS FROM FIGURE 2
TO THE HIGH SCHOOL CONSTANT (-22), THEN
MARK OFF ONE DECIMAL POSITION.

STEP 3. TO OBTAIN THE OPTIMUM ACT INDEX, AVERAGE
THE TWO PREDICTIONS.

* * * * * FIGURE 2 * * * * *					
* (GRADE) x (REGR. COEF.) *					
* H.S. GRADES	ENG	MATH	SOC S	NAT S	*
* A=4	26	9	12	5	*
* B=3	20	7	9	4	*
* C=2	13	5	6	3	*
* D=1	7	2	3	1	*
* * * * *					

REGRESSION COEFFICIENTS

	B0	B1	B2	B3	B4
ACT SCORES	-0.890	0.047	0.110	0.016	-0.027
H.S. GRADES	-2.197	0.656	0.234	0.311	0.131

----- FIGURE 1 -----
ACT (SCORE) x (REGR. COEF.)
SCORE ENG MATH RDNG SCI

36	17	40	6	-10
35	17	39	6	-9
34	16	38	5	-9
33	16	36	5	-9
32	15	35	5	-8
31	15	34	5	-8
30	14	33	5	-8
29	14	32	5	-8
28	13	31	4	-7
27	13	30	4	-7
26	12	29	4	-7
25	12	28	4	-7
24	11	26	4	-6
23	11	25	4	-6
22	10	24	3	-6
21	10	23	3	-6
20	9	22	3	-5
19	9	21	3	-5
18	8	20	3	-5
17	8	19	3	-5
16	8	18	3	-4
15	7	17	2	-4
14	7	15	2	-4
13	6	14	2	-3
12	6	13	2	-3
11	5	12	2	-3
10	5	11	2	-3
9	4	10	1	-2
8	4	9	1	-2
7	3	8	1	-2
6	3	7	1	-2
5	2	6	1	-1

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TABLE LI - 2.5 COMPUTATIONAL TABLE FOR PREDICTING OVERALL

STEP 1. TO PREDICT G.P.A. FROM ACT SCORES,
ADD THE APPROPRIATE DIGITS FROM FIGURE 1
TO THE ACT CONSTANT (18), THEN MARK OFF
ONE DECIMAL POSITION.

STEP 2. TO PREDICT G.P.A. FROM HIGH SCHOOL GRADES
ADD THE APPROPRIATE DIGITS FROM FIGURE 2
TO THE HIGH SCHOOL CONSTANT (7), THEN
MARK OFF ONE DECIMAL POSITION.

STEP 3. TO OBTAIN THE OPTIMUM ACT INDEX, AVERAGE
THE TWO PREDICTIONS.

* * * * * FIGURE 2 * * * * *					
* (GRADE) x (REGR. COEF.) *					
* H.S. GRADES	ENG	MATH	SOC S	NAT S	*
* A=4	13	8	-1	6	*
* B=3	10	6	-1	5	*
* C=2	6	4	-1	3	*
* D=1	3	2	-0	2	*
* * * * *					

REGRESSION COEFFICIENTS					
	B0	B1	B2	B3	B4
ACT SCORES	1.760	0.007	0.051	0.007	-0.017
H.S. GRADES	0.683	0.322	0.189	-0.025	0.154

----- FIGURE 1 -----				
ACT SCORE	(SCORE)	x (REGR. COEF.)		
	ENG	MATH	RDNG	SCI
36	2	18	2	-6
35	2	18	2	-6
34	2	17	2	-6
33	2	17	2	-6
32	2	16	2	-5
31	2	16	2	-5
30	2	15	2	-5
29	2	15	2	-5
28	2	14	2	-5
27	2	14	2	-5
26	2	13	2	-4
25	2	13	2	-4
24	2	12	2	-4
23	2	12	2	-4
22	2	11	2	-4
21	1	11	1	-4
20	1	10	1	-3
19	1	10	1	-3
18	1	9	1	-3
17	1	9	1	-3
16	1	8	1	-3
15	1	8	1	-3
14	1	7	1	-2
13	1	7	1	-2
12	1	6	1	-2
11	1	6	1	-2
10	1	5	1	-2
9	1	5	1	-2
8	1	4	1	-1
7	0	4	0	-1
6	0	3	0	-1
5	0	3	0	-1

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TABLE LI - 3.1 G.P.A. EXPECTANCIES IN COLLEGE ENGLISH

BASED ON TH INDEX, PERCENT EXPECTED TO EARN-

BASED ON T INDEX, PERCENT EXPECTED TO EARN-

PREDICTED G.P.A.	LESS THAN 1.0 (D)	LESS THAN 2.0 (C)	2.0 (C) OR HIGHER	3.0 (B) OR HIGHER	PREDICTED G.P.A.	LESS THAN 1.0 (D)	LESS THAN 2.0 (C)	2.0 (C) OR HIGHER	3.0 (B) OR HIGHER	PREDICTED G.P.A.
3.6	1	9	91	69	3.6	2	10	90	68	3.6
3.5	2	10	90	67	3.5	2	12	88	66	3.5
3.4	2	12	88	63	3.4	3	13	87	63	3.4
3.3	2	13	87	60	3.3	3	15	85	59	3.3
3.2	3	15	85	57	3.2	4	17	83	56	3.2
3.1	4	17	83	54	3.1	5	19	81	53	3.1
3.0	4	19	81	50	3.0	5	21	79	50	3.0
2.9	5	22	78	46	2.9	6	24	76	47	2.9
2.8	6	25	75	43	2.8	7	26	74	44	2.8
2.7	7	27	73	40	2.7	9	29	71	41	2.7
2.6	9	31	69	37	2.6	10	32	68	37	2.6
2.5	10	33	67	33	2.5	12	34	66	34	2.5
2.4	12	37	63	31	2.4	13	37	63	32	2.4
2.3	13	40	60	27	2.3	15	41	59	29	2.3
2.2	15	43	57	25	2.2	17	44	56	26	2.2
2.1	17	46	54	22	2.1	19	47	53	24	2.1
2.0	19	50	50	19	2.0	21	50	50	21	2.0
1.9	22	54	46	17	1.9	24	53	47	19	1.9
1.8	25	57	43	15	1.8	26	56	44	17	1.8
1.7	27	60	40	13	1.7	29	59	41	15	1.7
1.6	31	63	37	12	1.6	32	63	37	13	1.6
1.5	33	67	33	10	1.5	34	66	34	12	1.5
1.4	37	69	31	9	1.4	37	68	32	10	1.4
1.3	40	73	27	7	1.3	41	71	29	9	1.3
1.2	43	75	25	6	1.2	44	74	26	7	1.2
1.1	46	78	22	5	1.1	47	76	24	6	1.1
1.0	50	81	19	4	1.0	50	79	21	5	1.0

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TABLE LI - 3.2 G.P.A. EXPECTANCIES IN COLLEGE MATHEMATICS

BASED ON TH INDEX, PERCENT EXPECTED TO EARN-

BASED ON T INDEX, PERCENT EXPECTED TO EARN-

PREDICTED G.P.A.	LESS THAN 1.0 (D)	LESS THAN 2.0 (C)	2.0 (C) OR HIGHER	3.0 (B) OR HIGHER	PREDICTED G.P.A.	LESS THAN 1.0 (D)	LESS THAN 2.0 (C)	2.0 (C) OR HIGHER	3.0 (B) OR HIGHER	PREDICTED G.P.A.
3.6	1	9	91	69	3.6	2	11	89	68	3.6
3.5	2	10	90	66	3.5	3	12	88	65	3.5
3.4	2	12	88	63	3.4	3	14	86	62	3.4
3.3	3	14	86	60	3.3	4	16	84	59	3.3
3.2	3	16	84	57	3.2	4	17	83	56	3.2
3.1	4	18	82	53	3.1	5	19	81	53	3.1
3.0	5	20	80	50	3.0	6	22	78	50	3.0
2.9	6	23	77	47	2.9	7	24	76	47	2.9
2.8	7	25	75	43	2.8	8	27	73	44	2.8
2.7	8	28	72	40	2.7	9	29	71	41	2.7
2.6	9	31	69	37	2.6	11	32	68	38	2.6
2.5	10	34	66	34	2.5	12	35	65	35	2.5
2.4	12	37	63	31	2.4	14	38	62	32	2.4
2.3	14	40	60	28	2.3	16	41	59	29	2.3
2.2	16	43	57	25	2.2	17	44	56	27	2.2
2.1	18	47	53	23	2.1	19	47	53	24	2.1
2.0	20	50	50	20	2.0	22	50	50	22	2.0
1.9	23	53	47	18	1.9	24	53	47	19	1.9
1.8	25	57	43	16	1.8	27	56	44	17	1.8
1.7	28	60	40	14	1.7	29	59	41	16	1.7
1.6	31	63	37	12	1.6	32	62	38	14	1.6
1.5	34	66	34	10	1.5	35	65	35	12	1.5
1.4	37	69	31	9	1.4	38	68	32	11	1.4
1.3	40	72	28	8	1.3	41	71	29	9	1.3
1.2	43	75	25	7	1.2	44	73	27	8	1.2
1.1	47	77	23	6	1.1	47	76	24	7	1.1
1.0	50	80	20	5	1.0	50	78	22	6	1.0

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TABLE LI - 3.3 G.P.A. EXPECTANCIES IN COLLEGE SOCIAL SCIENCE

BASED ON TH INDEX, PERCENT EXPECTED TO EARN-

BASED ON T INDEX, PERCENT EXPECTED TO EARN-

PREDICTED G.P.A.	LESS THAN 1.0 (D)	LESS THAN 2.0 (C)	2.0 (C) OR HIGHER	3.0 (B) OR HIGHER	PREDICTED G.P.A.	LESS THAN 1.0 (D)	LESS THAN 2.0 (C)	2.0 (C) OR HIGHER	3.0 (B) OR HIGHER	PREDICTED G.P.A.
3.6	1	6	94	73	3.6	1	8	92	71	3.6
3.5	1	7	93	69	3.5	1	9	91	67	3.5
3.4	1	8	92	66	3.4	2	11	89	64	3.4
3.3	1	10	90	62	3.3	2	12	88	61	3.3
3.2	1	12	88	58	3.2	2	14	86	57	3.2
3.1	2	14	86	54	3.1	3	16	84	54	3.1
3.0	2	16	84	50	3.0	4	19	81	50	3.0
2.9	3	18	82	46	2.9	4	21	79	46	2.9
2.8	4	21	79	42	2.8	5	24	76	43	2.8
2.7	5	24	76	38	2.7	6	26	74	39	2.7
2.6	6	27	73	34	2.6	8	29	71	36	2.6
2.5	7	31	69	31	2.5	9	33	67	33	2.5
2.4	8	34	66	27	2.4	11	36	64	29	2.4
2.3	10	38	62	24	2.3	12	39	61	26	2.3
2.2	12	42	58	21	2.2	14	43	57	24	2.2
2.1	14	46	54	18	2.1	16	46	54	21	2.1
2.0	16	50	50	16	2.0	19	50	50	19	2.0
1.9	18	54	46	14	1.9	21	54	46	16	1.9
1.8	21	58	42	12	1.8	24	57	43	14	1.8
1.7	24	62	38	10	1.7	26	61	39	12	1.7
1.6	27	66	34	8	1.6	29	64	36	11	1.6
1.5	31	69	31	7	1.5	33	67	33	9	1.5
1.4	34	73	27	6	1.4	36	71	29	8	1.4
1.3	38	76	24	5	1.3	39	74	26	6	1.3
1.2	42	79	21	4	1.2	43	76	24	5	1.2
1.1	46	82	18	3	1.1	46	79	21	4	1.1
1.0	50	84	16	2	1.0	50	81	19	4	1.0

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TABLE LI - 3.4 G.P.A. EXPECTANCIES IN COLLEGE NATURAL SCIENCE

BASED ON TH INDEX, PERCENT EXPECTED TO EARN-

BASED ON T INDEX, PERCENT EXPECTED TO EARN-

PREDICTED G.P.A.	LESS THAN 1.0 (D)	LESS THAN 2.0 (C)	2.0 (C) OR HIGHER	3.0 (B) OR HIGHER	PREDICTED G.P.A.	LESS THAN 1.0 (D)	LESS THAN 2.0 (C)	2.0 (C) OR HIGHER	3.0 (B) OR HIGHER	PREDICTED G.P.A.
3.6	1	4	96	74	3.6	1	6	94	72	3.6
3.5	1	5	95	71	3.5	1	8	92	68	3.5
3.4	1	6	94	67	3.4	1	9	91	65	3.4
3.3	1	8	92	63	3.3	1	11	89	61	3.3
3.2	1	10	90	59	3.2	2	13	87	58	3.2
3.1	1	12	88	54	3.1	2	15	85	54	3.1
3.0	1	14	86	50	3.0	3	17	83	50	3.0
2.9	2	16	84	46	2.9	4	19	81	46	2.9
2.8	2	19	81	41	2.8	4	22	78	42	2.8
2.7	3	22	78	37	2.7	5	25	75	39	2.7
2.6	4	26	74	33	2.6	6	28	72	35	2.6
2.5	5	29	71	29	2.5	8	32	68	32	2.5
2.4	6	33	67	26	2.4	9	35	65	28	2.4
2.3	8	37	63	22	2.3	11	39	61	25	2.3
2.2	10	41	59	19	2.2	13	42	58	22	2.2
2.1	12	46	54	16	2.1	15	46	54	19	2.1
2.0	14	50	50	14	2.0	17	50	50	17	2.0
1.9	16	54	46	12	1.9	19	54	46	15	1.9
1.8	19	59	41	10	1.8	22	58	42	13	1.8
1.7	22	63	37	8	1.7	25	61	39	11	1.7
1.6	26	67	33	6	1.6	28	65	35	9	1.6
1.5	29	71	29	5	1.5	32	68	32	8	1.5
1.4	33	74	26	4	1.4	35	72	28	6	1.4
1.3	37	78	22	3	1.3	39	75	25	5	1.3
1.2	41	81	19	2	1.2	42	78	22	4	1.2
1.1	46	84	16	2	1.1	46	81	19	4	1.1
1.0	50	86	14	1	1.0	50	83	17	3	1.0

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TABLE LI - 3.5 G.P.A. EXPECTANCIES IN COLLEGE OVERALL

BASED ON TH INDEX, PERCENT EXPECTED TO EARN-

BASED ON T INDEX, PERCENT EXPECTED TO EARN-

PREDICTED G.P.A.	LESS THAN 1.0 (D)	LESS THAN 2.0 (C)	2.0 (C) OR HIGHER	3.0 (B) OR HIGHER	PREDICTED G.P.A.	LESS THAN 1.0 (D)	LESS THAN 2.0 (C)	2.0 (C) OR HIGHER	3.0 (B) OR HIGHER	PREDICTED G.P.A.
3.6	1	4	96	74	3.6	1	5	95	73	3.6
3.5	1	5	95	71	3.5	1	6	94	69	3.5
3.4	1	6	94	67	3.4	1	7	93	66	3.4
3.3	1	8	92	63	3.3	1	9	91	62	3.3
3.2	1	10	90	59	3.2	1	11	89	58	3.2
3.1	1	12	88	54	3.1	2	13	87	54	3.1
3.0	2	14	86	50	3.0	2	15	85	50	3.0
2.9	2	16	84	46	2.9	3	18	82	46	2.9
2.8	3	19	81	41	2.8	3	21	79	42	2.8
2.7	3	22	78	37	2.7	4	24	76	38	2.7
2.6	4	26	74	33	2.6	5	27	73	34	2.6
2.5	5	29	71	29	2.5	6	31	69	31	2.5
2.4	6	33	67	26	2.4	7	34	66	27	2.4
2.3	8	37	63	22	2.3	9	38	62	24	2.3
2.2	10	41	59	19	2.2	11	42	58	21	2.2
2.1	12	46	54	16	2.1	13	46	54	18	2.1
2.0	14	50	50	14	2.0	15	50	50	15	2.0
1.9	16	54	46	12	1.9	18	54	46	13	1.9
1.8	19	59	41	10	1.8	21	58	42	11	1.8
1.7	22	63	37	8	1.7	24	62	38	9	1.7
1.6	26	67	33	6	1.6	27	66	34	7	1.6
1.5	29	71	29	5	1.5	31	69	31	6	1.5
1.4	33	74	26	4	1.4	34	73	27	5	1.4
1.3	37	78	22	3	1.3	38	76	24	4	1.3
1.2	41	81	19	3	1.2	42	79	21	3	1.2
1.1	46	84	16	2	1.1	46	82	18	3	1.1
1.0	50	86	14	2	1.0	50	85	15	2	1.0

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TABLE T - 1.1 MEANS AND STANDARD DEVIATIONS OF ACT SCORES, H.S. GRADES, AND COLLEGE GRADES

MEANS FOR STUDENTS ENROLLED IN -					
	COLLEGE ENGLISH	COLLEGE MATH	COLLEGE SOC SCI	COLLEGE NAT SCI	COLLEGE OVERALL
ACT ENGLISH TEST	21.7	22.3	22.5	24.0	20.8
ACT MATHEMATICS TEST	20.5	21.8	21.1	23.3	20.5
ACT READING TEST	21.1	22.5	22.7	24.2	20.9
ACT SCIENCE TEST	21.0	21.9	21.4	22.6	20.7
H.S. ENGLISH GRADE	3.3	3.4	3.5	3.6	3.3
H.S. MATHEMATICS GRADE	3.0	3.2	3.2	3.5	3.1
H.S. SOCIAL STUDIES GRADE	3.5	3.5	3.6	3.8	3.5
H.S. NATURAL SCIENCE GRADE	3.3	3.4	3.4	3.5	3.2
ACT COMPOSITE	21.2	22.3	22.0	23.6	20.9
AVERAGE, 4 H.S. GRADES	3.3	3.4	3.4	3.6	3.3
COLLEGE G.P.A.*	2.2	2.1	2.3	2.6	2.7
STANDARD DEVIATIONS FOR STUDENTS ENROLLED IN ABOVE COURSES					
ACT ENGLISH TEST	3.99	4.93	4.31	4.93	5.19
ACT MATHEMATICS TEST	3.54	3.15	3.54	3.41	3.93
ACT READING TEST	5.11	5.75	5.02	5.29	5.64
ACT SCIENCE TEST	4.06	3.71	3.68	3.62	4.17
H.S. ENGLISH GRADE	0.60	0.63	0.57	0.47	0.64
H.S. MATHEMATICS GRADE	0.76	0.62	0.71	0.62	0.74
H.S. SOCIAL STUDIES GRADE	0.57	0.63	0.49	0.33	0.61
H.S. NATURAL SCIENCE GRADE	0.61	0.59	0.60	0.55	0.68
ACT COMPOSITE	3.64	3.71	3.59	3.58	4.17
AVERAGE, 4 H.S. GRADES	0.51	0.51	0.50	0.41	0.57
COLLEGE G.P.A.*	1.27	1.33	1.18	1.14	0.99
NUMBER OF STUDENTS	172	135	83	52	439

* REFERS TO ENGLISH GPA IN ENGLISH AREA, MATH GPA IN MATH AREA, ETC.

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TABLE T - 1.2 INTERCORRELATIONS OF ACT SCORES AND H.S. GRADES

	ACT M	ACT R	ACT S	ACT C	HS E	HS M	HS S	HS N	HS AV
ACT ENGLISH	0.676	0.792	0.669	0.903	0.415	0.393	0.354	0.431	0.471
ACT MATHEMATICS		0.637	0.688	0.833	0.414	0.512	0.415	0.484	0.542
ACT READING			0.701	0.906	0.379	0.328	0.353	0.393	0.428
ACT SCIENCE				0.857	0.288	0.425	0.262	0.385	0.407
(ACT COMPOSITE)					0.422	0.459	0.393	0.478	0.519
H.S. ENGLISH						0.613	0.651	0.647	0.853
H.S. MATHEMATICS							0.540	0.671	0.847
H.S. SOCIAL STUDIES								0.615	0.816
H.S. NATURAL SCIENCE									0.869
(AVERAGE OF 4 H.S. GRADES)									

NUMBER OF STUDENTS IN THIS ANALYSIS = 439

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TABLE T - 1.3 CORRELATIONS OF ACT SCORES WITH COLLEGE GRADES

ACT TEST SCORES	COLLEGE ENGLISH GPA	COLLEGE MATH GPA	COLLEGE SOC SCI GPA	COLLEGE NAT SCI GPA	COLLEGE OVERALL GPA
ENGLISH	0.147	0.188	0.365	0.404	0.155
MATHEMATICS	0.202	0.234	0.236	0.434	0.201
READING	0.064	0.065	0.222	0.300	0.146
SCIENCE	0.117	0.031	0.249	0.273	0.119
(COMPOSITE)	0.137	0.141	0.286	0.412	0.170
MULTIPLE CORRELATION (TESTS 1-4)	0.227	0.310	0.378	0.474	0.208
STANDARD ERROR OF ESTIMATE	1.252	1.282	1.119	1.048	0.975
NUMBER OF STUDENTS	172	135	83	52	439

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TABLE T - 1.4 CORRELATIONS OF HIGH SCHOOL GRADES WITH COLLEGE GRADES

H.S. GRADES	COLLEGE ENGLISH GPA	COLLEGE MATH GPA	COLLEGE SOC SCI GPA	COLLEGE NAT SCI GPA	COLLEGE OVERALL GPA
ENGLISH	0.366	0.379	0.415	0.433	0.352
MATHEMATICS	0.318	0.329	0.302	0.396	0.330
SOCIAL STUDIES	0.217	0.246	0.353	0.328	0.260
NATURAL SCIENCE	0.295	0.284	0.363	0.325	0.325
(HIGH SCHOOL AVERAGE)	0.370	0.375	0.421	0.454	0.375
MULTIPLE CORRELATION (GRADES 1-4)	0.394	0.408	0.446	0.466	0.387
STANDARD ERROR OF ESTIMATE	1.181	1.231	1.082	1.052	0.919
NUMBER OF STUDENTS	172	135	83	52	439