

Admissions Service Report



SOUTHERN ARKANSAS UNIVERSITY (0142)
Magnolia, AR

Admissions Group: IN-STATE

Data Cohort: Fall 2014

Date of Report: August 10, 2016

Table of Contents

Page

IN-STATE	1
Summary of Admissions Variables	
For Student Groups	2
By College GPA Category	3
 ACT Norms	4
 Two-Variable Prediction	
Chance of a B or Higher	5
Chance of a C or Higher	6
Admissions Information	7
 Single-Variable Predictions	8
 Logistic Regression Weights and Correlations	9

Admissions Report

Information for Making Admissions Decisions

IN-STATE

Summary of Admissions Variables and College Grade Data

This table summarizes the admissions variables used to predict college success at your institution. The table shows number of students, mean value, and standard deviation. This information is provided for:

- 2014 high school graduates who sent ACT scores to your institution
- IN-STATE who completed the year at your institution
- IN-STATE with core course preparation in high school
- IN-STATE without core course preparation in high school

The table includes only those students who had valid data for the admissions variables. The table also summarizes the college GPAs earned by your IN-STATE. The information in this table can be used to compare the different groups. Note: Some students may be missing high school GPA and/or core status.

Admissions variables and college grade data		2014 high school graduates sending ACT scores to your institution	IN-STATE at your institution		
			All students	Students with core preparation	Students without core preparation
	N	1,607	479	413	45
ACT composite score	Mean	19.6	20.8	21.1	19.2
	SD	4.2	4.1	4.0	3.9
High School GPA	Mean	3.1	3.3	3.3	3.2
	SD	0.6	0.5	0.5	0.6
College GPA	Mean		2.7	2.7	2.4
	Pct. B or higher		49	50	34
	Pct. C or higher		83	84	74

Mean ACT Score and High School GPA, by College GPA Categories

This table summarizes the admissions variables of your IN-STATE by categories of college GPA. The table shows number of students, mean value, and standard deviation in five GPA categories.

The information in this table gives a rough impression of the relationship between students' admissions variables and their college GPA. The mean values of useful admissions variables should increase as college GPA increases.

Admissions variables		College GPA categories				
		0.0 - 1.9	2.0 - 2.4	2.5 - 2.9	3.0 - 3.4	3.5 - 4.0
	N	92	75	87	115	109
ACT composite score	Mean	19.5	20.3	20.1	20.7	22.9
	SD	4.0	3.7	3.9	3.8	4.1
High School GPA	Mean	3.0	3.1	3.3	3.4	3.7
	SD	0.5	0.6	0.4	0.4	0.4

ACT Norms for IN-STATE at Your Institution

This table reports the number of students at each ACT score and the percentage at or below each score for the four ACT tests and the Composite score.

The total number of students and ACT score means and standard deviations also are listed.

Score	English		Math		Reading		Science		Composite	
	N	Percent at or below	N	Percent at or below	N	Percent at or below	N	Percent at or below	N	Percent at or below
36	0	100	0	100	1	100	0	100	0	100
35	2	100	1	100	3	99	0	100	0	100
34	5	99	0	99	3	99	3	100	0	100
33	3	99	1	99	7	99	2	99	0	100
32	5	98	2	99	7	97	3	99	2	100
31	7	97	3	99	8	96	5	98	5	99
30	4	95	1	99	11	94	5	97	6	99
29	7	95	4	98	10	92	4	96	6	97
28	9	93	5	97	8	90	6	95	8	96
27	13	91	19	96	19	88	17	94	19	94
26	20	89	20	92	13	84	10	91	23	90
25	19	84	27	88	26	81	28	89	15	86
24	38	80	32	83	25	76	32	83	39	82
23	28	72	39	76	28	71	50	76	32	74
22	38	67	33	68	36	65	42	66	53	68
21	46	59	16	61	60	57	38	57	33	57
20	40	49	33	58	26	45	45	49	44	50
19	28	41	31	51	45	39	47	39	47	41
18	35	35	49	44	33	30	27	30	35	31
17	16	28	62	34	27	23	37	24	38	23
16	27	24	53	21	17	17	18	16	28	15
15	38	19	27	10	22	14	21	13	24	10
14	15	11	15	4	18	9	11	8	14	5
13	10	8	4	1	15	5	11	6	5	2
12	11	5	1	1	8	2	6	4	3	1
Total N	479		479		479		479		479	
Mean	20.56		20.19		21.28		20.68		20.81	
SD	5.17		4.17		5.13		4.49		4.09	

Chance of a B or Higher College GPA, Given ACT composite score and High School GPA

The matrix reports students' chances of achieving a B or higher at your institution, given their ACT composite score and High School GPA. For example, the chance that a student with an ACT composite score of 25 and a High School GPA of 3.5 would obtain a B or higher is 58%.

If present, the dark gold area shows the combinations of ACT composite score and High School GPA values that are at or near a 50% chance level. The combinations that maximize the percentage of correct admissions decisions (accuracy rate) always correspond to a chance of 50%.

High School GPA

4.0	65	65	66	66	67	67	68	68	69	69	70	70	71	71	72	72	72	73	73	74	74	75	75	75	76	76	77	77	77	78	78	79	79	79	80	80
3.9	61	61	62	62	63	63	64	64	65	65	66	66	67	67	68	68	69	69	70	70	71	71	72	72	73	73	74	74	74	75	75	76	76	76	77	77
3.8	57	57	58	58	59	59	60	61	61	62	62	63	63	64	64	65	65	66	66	67	67	68	68	69	69	70	70	71	71	72	72	72	73	73	74	74
3.7	53	53	54	54	55	55	56	56	57	58	58	59	59	60	60	61	61	62	62	63	63	64	64	65	65	66	66	67	67	68	68	69	69	70	70	71
3.6	48	49	49	50	51	51	52	52	53	53	54	55	55	56	56	57	57	58	58	59	59	60	61	61	62	62	63	63	64	64	65	65	66	66	67	67
3.5	44	45	45	46	46	47	48	48	49	49	50	50	51	51	52	53	53	54	54	55	55	56	56	57	58	58	59	59	60	60	61	61	62	62	63	63
3.4	40	41	41	42	42	43	43	44	44	45	46	46	47	47	48	48	49	50	50	51	51	52	52	53	53	54	55	55	56	56	57	57	58	58	59	59
3.3	36	37	37	38	38	39	39	40	40	41	41	42	43	43	44	44	45	45	46	46	47	48	48	49	49	50	50	51	51	52	53	53	54	54	55	55
3.2	32	33	33	34	34	35	35	36	36	37	37	38	39	39	40	40	41	41	42	42	43	43	44	44	45	46	46	47	47	48	48	49	50	50	51	51
3.1	29	29	30	30	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	39	40	40	41	41	42	43	43	44	44	45	45	46	46	47
3.0	25	26	26	27	27	28	28	29	29	30	30	30	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	39	39	40	40	41	41	42	42	43
2.9	22	23	23	24	24	24	25	25	26	26	27	27	27	28	28	29	29	30	30	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39
2.8	20	20	20	21	21	21	22	22	23	23	23	24	24	25	25	26	26	26	27	27	28	28	29	29	30	30	30	31	31	32	32	33	33	34	34	35
2.7	17	17	18	18	18	19	19	19	20	20	21	21	21	22	22	22	23	23	24	24	24	25	25	26	26	27	27	27	28	28	29	29	30	30	31	31
2.6	15	15	15	16	16	16	17	17	17	18	18	18	19	19	19	20	20	20	21	21	21	22	22	23	23	23	24	24	25	25	26	26	27	27	28	
2.5	13	13	13	14	14	14	14	15	15	15	16	16	16	17	17	17	17	18	18	18	19	19	19	20	20	21	21	21	22	22	22	23	23	24	24	24
2.4	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16	16	16	17	17	17	18	18	18	19	19	19	20	20	20	21	21	21
2.3	10	10	10	10	10	11	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	16	16	16	17	17	17	18	18	18	19	
2.2	8	8	9	9	9	9	9	9	10	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16	16	16
2.1	7	7	7	7	8	8	8	8	8	8	9	9	9	9	9	10	10	10	10	10	11	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14
2.0	6	6	6	6	7	7	7	7	7	7	8	8	8	8	8	8	8	9	9	9	9	9	9	10	10	10	10	10	11	11	11	11	12	12	12	12
1.9	5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	8	8	8	8	8	8	9	9	9	9	9	10	10	10	10	11	
1.8	4	4	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	8	8	8	8	8	8	9	9	9	
1.7	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	7	7	8	8	
1.6	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	7	7	
1.5	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	6	
1.4	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	
1.3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4		
1.2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
1.1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	
1.0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
0.8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	
0.7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	
0.6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

ACT composite score

Chance of a C or Higher College GPA, Given ACT composite score and High School GPA

The matrix reports students' chances of achieving a C or higher at your institution, given their ACT composite score and High School GPA. For example, the chance that a student with an ACT composite score of 25 and a High School GPA of 3.5 would obtain a C or higher is 88%.

If present, the dark gold area shows the combinations of ACT composite score and High School GPA values that are at or near a 50% chance level. The combinations that maximize the percentage of correct admissions decisions (accuracy rate) always correspond to a chance of 50%.

High School GPA

4.0	85	86	86	87	87	87	88	88	89	89	89	90	90	90	90	91	91	91	92	92	92	92	93	93	93	93	93	94	94	94	94	94	95	95	95	95
3.9	84	84	85	85	86	86	87	87	87	88	88	88	89	89	89	90	90	90	91	91	91	92	92	92	92	93	93	93	93	93	94	94	94	94	95	
3.8	82	83	83	84	84	85	85	86	86	86	87	87	88	88	88	89	89	89	90	90	90	91	91	91	91	92	92	92	92	93	93	93	93	94	94	94
3.7	81	81	82	82	83	83	84	84	85	85	86	86	86	87	87	88	88	88	89	89	89	90	90	90	91	91	91	91	92	92	92	92	93	93	93	93
3.6	79	80	80	81	81	82	82	83	83	84	84	85	85	85	86	86	87	87	87	88	88	89	89	89	90	90	90	90	91	91	91	92	92	92	92	93
3.5	77	78	78	79	79	80	81	81	82	82	83	83	84	84	85	85	85	86	86	87	87	87	88	88	88	89	89	90	90	90	90	91	91	91	92	92
3.4	75	76	76	77	78	78	79	79	80	80	81	82	82	83	83	83	84	84	85	85	86	86	87	87	87	88	88	88	89	89	89	90	90	90	91	91
3.3	73	74	74	75	76	76	77	77	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	86	87	87	88	88	88	89	89	89	90	90
3.2	71	71	72	73	74	74	75	75	76	77	77	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85	86	86	86	87	87	88	88	88	89	89
3.1	68	69	70	71	71	72	73	73	74	75	75	76	77	77	78	78	79	80	80	81	81	82	82	83	83	84	84	85	85	85	86	86	87	87	88	
3.0	66	67	68	68	69	70	70	71	72	73	73	74	75	75	76	76	77	78	78	79	79	80	81	81	82	82	83	83	84	84	84	85	85	86	86	87
2.9	63	64	65	66	67	67	68	69	70	70	71	72	72	73	74	74	75	76	76	77	78	78	79	79	80	80	81	81	82	82	83	83	84	84	85	85
2.8	61	62	63	63	64	65	66	66	67	68	69	69	70	71	72	72	73	74	74	75	76	76	77	77	78	79	79	80	80	81	81	82	82	83	83	84
2.7	58	59	60	61	62	62	63	64	65	66	66	67	68	69	69	70	71	71	72	73	74	74	75	75	76	77	77	78	79	80	80	81	81	82	82	
2.6	56	56	57	58	59	60	61	61	62	63	64	65	65	66	67	68	68	69	70	71	71	72	73	73	74	75	75	76	77	77	78	78	79	80	80	81
2.5	53	54	55	55	56	57	58	59	60	60	61	62	63	64	64	65	66	67	68	68	69	70	70	71	72	73	73	74	75	75	76	76	77	78	78	79
2.4	50	51	52	53	53	54	55	56	57	58	59	59	60	61	62	63	63	64	65	66	67	67	68	69	70	70	71	72	72	73	74	74	75	76	76	77
2.3	47	48	49	50	51	52	52	53	54	55	56	57	58	58	59	60	61	62	62	63	64	65	66	66	67	68	69	69	70	71	72	72	73	74	74	75
2.2	45	45	46	47	48	49	50	51	51	52	53	54	55	56	57	57	58	59	60	61	62	62	63	64	65	65	66	67	68	69	69	70	71	71	72	73
2.1	42	43	44	44	45	46	47	48	49	50	50	51	52	53	54	55	56	56	57	58	59	60	61	61	62	63	64	65	65	66	67	68	68	69	70	71
2.0	39	40	41	42	43	43	44	45	46	47	48	48	49	50	51	52	53	54	54	55	56	57	58	59	60	60	61	62	63	64	64	65	66	67	67	68
1.9	37	37	38	39	40	41	42	42	43	44	45	46	47	47	48	49	50	51	52	53	53	54	55	56	57	58	59	59	60	61	62	63	63	64	65	66
1.8	34	35	36	36	37	38	39	40	40	41	42	43	44	45	46	46	47	48	49	50	51	52	52	53	54	55	56	57	58	58	59	60	61	62	62	63
1.7	32	32	33	34	35	35	36	37	38	39	40	40	41	42	43	44	45	45	46	47	48	49	50	51	51	52	53	54	55	56	56	57	58	59	60	61
1.6	29	30	31	31	32	33	34	35	35	36	37	38	39	39	40	41	42	43	43	44	45	46	47	48	49	49	50	51	52	53	54	55	55	56	57	58
1.5	27	28	28	29	30	31	31	32	33	34	34	35	36	37	38	38	39	40	41	42	42	43	44	45	46	47	48	48	49	50	51	52	53	54	54	55
1.4	25	26	26	27	28	28	29	30	30	31	32	33	33	34	35	36	37	37	38	39	40	41	41	42	43	44	45	46	47	47	48	49	50	51	52	53
1.3	23	24	24	25	25	26	27	27	28	29	30	30	31	32	33	33	34	35	36	36	37	38	39	40	40	41	42	43	44	45	46	46	47	48	49	50
1.2	21	22	22	23	23	24	25	25	26	27	27	28	29	29	30	31	32	32	33	34	35	35	36	37	38	39	39	40	41	42	43	44	44	45	46	47
1.1	19	20	20	21	22	22	23	23	24	25	25	26	27	27	28	29	29	30	31	31	32	33	34	34	35	36	37	38	38	39	40	41	42	43	43	44
1.0	18	18	19	19	20	20	21	21	22	23	23	24	24	25	26	26	27	28	28	29	30	31	31	32	33	34	34	35	36	37	37	38	39	40	41	42
0.9	16	17	17	18	18	19	19	20	20	21	21	22	22	23	24	24	25	26	26	27	28	28	29	30	30	31	32	33	33	34	35	36	37	37	38	39
0.8	15	15	16	16	16	17	17	18	18	19	19	20	21	21	22	22	23	24	24	25	25	26	27	27	28	29	30	30	31	32	32	33	34	35	36	36
0.7	13	14	14	15	15	15	16	16	17	17	18	18	19	19	20	20	21	22	22	23	23	24	25	25	26	27	27	28	29	29	30	31	32	32	33	34
0.6	12	12	13	13	14	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	23	23	24	25	25	26	26	27	28	29	29	30	31	31
0.5	11	11	12	12	12	13	13	14	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	23	23	24	24	25	26	26	27	28	28	29
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

ACT composite score

Admissions Information for ACT composite score and High School GPA

This table shows the effects of using different admissions policies. For example, if you were to require students to have at least a 50% chance of a B or higher for admission, then you would expect:

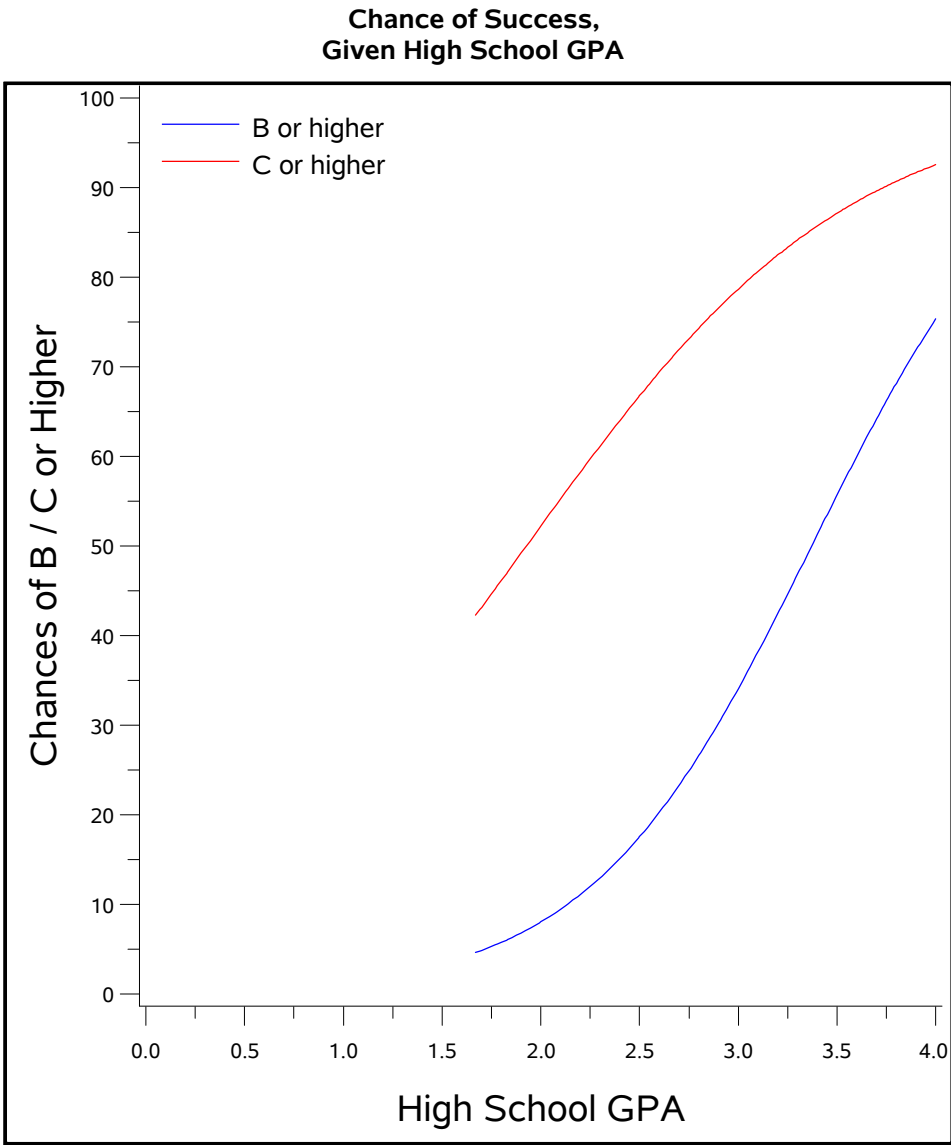
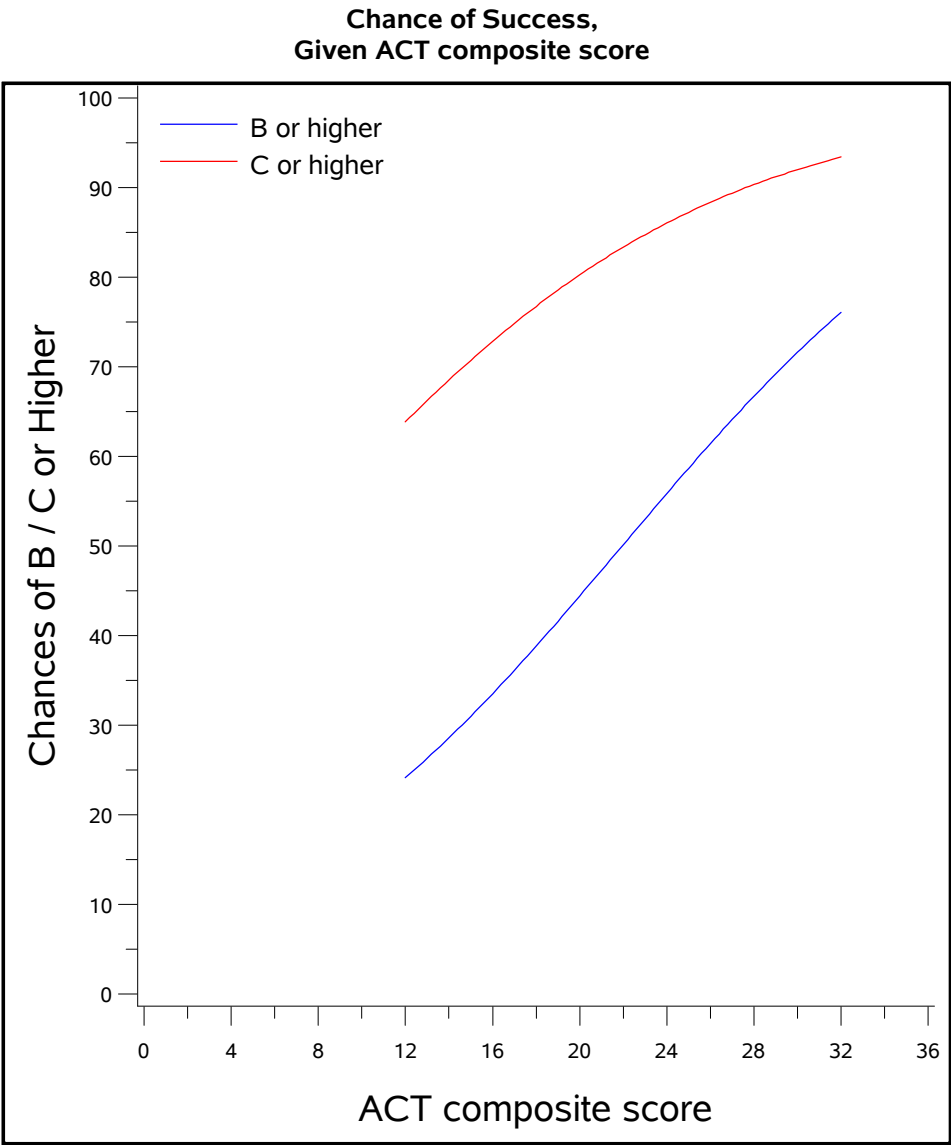
- about 49% of your students would not be admitted
- about 67% of your admissions decisions would be correct
- about 65% of those admitted would obtain a B or higher

	B or higher			C or higher		
Chance range	Percent below	Accuracy rate	Success rate	Percent below	Accuracy rate	Success rate
91 - 99				86	29	93
85 - 90				61	49	91
82 - 84				41	64	89
79 - 81	99	51	79	31	70	88
76 - 78	97	53	78	23	74	87
73 - 75	90	56	76	17	78	86
70 - 72	85	59	75	13	80	86
67 - 69	79	61	73	9	81	85
64 - 66	72	63	71	7	82	85
61 - 63	67	65	70	5	82	84
58 - 60	63	66	69	3	83	84
55 - 57	59	66	68	2	83	83
52 - 54	54	67	67	1	83	83
49 - 51	49	67	65	1	83	83
46 - 48	45	67	64	0	83	83
43 - 45	39	66	62	0	83	83
40 - 42	34	65	61			
37 - 39	31	65	60			
34 - 36	27	64	58			
31 - 33	23	62	57			
28 - 30	20	61	56			
25 - 27	16	59	55			
22 - 24	13	58	54			
19 - 21	10	56	53			
16 - 18	7	54	52			
10 - 15	4	52	50			
1 - 9	1	50	49			

If present, the shaded rows highlight the optimal cutoff combinations (i.e., those that lead to the highest percentage of correct admissions decisions).

The first graph reports students' chances of achieving a B / C or higher at your institution, given just their ACT composite score. For example, the chance that a student with an ACT composite score of 22 would obtain a B or higher at your institution is 50%.

The second graph reports students' chances of achieving a B / C or higher at your institution, given just their High School GPA. For example, the chance that a student with a High School GPA of 2.85 would obtain a B or higher at your institution is 28%.



Note: The chances of success for one or both criteria are all above or below 50%. No optimal cutoff score exists.

Logistic Regression Weights and Correlations

This table contains the estimated logistic regression weights used to calculate the chances of success. The weights associated with the ACT composite score and high school GPA are shown with the corresponding significance level (p-value). This information can be used to calculate the chances of success for a given student.

A p-value is an estimate of the probability that a regression weight of magnitude equal to that reported in the table would occur by chance if the true regression weight were 0; the smaller the p-value, the more highly "statistically significant" the regression weight is. The correlation between the admissions variables and college GPA also is listed.

	B or higher		C or higher		
Admissions variable(s)	Logistic regression weight	P-value	Logistic regression weight	P-value	Correlation
Intercept	-6.13		-2.68		
ACT composite score and High School GPA	0.02 1.68	0.4661 <.0001	0.03 1.10	0.386 <.0001	0.43
Intercept	-2.52		-0.68		
ACT composite score	0.12	<.0001	0.10	0.0007	0.21
Intercept	-5.99		-2.34		
High School GPA	1.78	<.0001	1.22	<.0001	0.43