

# Admissions Service Report



**SOUTHERN ARKANSAS UNIVERSITY (0142)**  
**Magnolia, AR**

**Admissions Group:** FULL-TIME

**Data Cohort:** Fall 2015

**Date of Report:** May 22, 2017

**Table of Contents**

Page

<b>FULL-TIME</b>	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

FULL-TIME

### 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:

- 2015 high school graduates who sent ACT scores to your institution
- FULL-TIME who completed the year at your institution
- FULL-TIME with core course preparation in high school
- FULL-TIME 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 FULL-TIME. 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		2015 high school graduates sending ACT scores to your institution	FULL-TIME at your institution		
			All students	Students with core preparation	Students without core preparation
	N	1,745	716	625	64
ACT composite score	Mean	19.8	20.6	21.0	18.5
	SD	4.3	4.0	3.9	3.6
High School GPA	Mean	3.2	3.3	3.3	3.0
	SD	0.6	0.6	0.6	0.6
College GPA	Mean		2.8	2.8	2.6
	Pct. B or higher		52	53	38
	Pct. C or higher		86	86	85

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

This table summarizes the admissions variables of your FULL-TIME 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	110	104	147	175	180
ACT composite score	Mean	19.8	19.4	19.6	20.5	22.7
	SD	3.8	3.7	3.7	4.0	3.8
High School GPA	Mean	3.0	3.1	3.2	3.4	3.6
	SD	0.5	0.6	0.6	0.5	0.4

### ACT Norms for FULL-TIME 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	0	100	1	100	0	100
35	1	100	0	100	1	100	0	99	0	100
34	7	99	0	100	6	99	3	99	0	100
33	5	99	0	100	9	99	1	99	2	100
32	1	98	1	100	15	98	5	99	3	99
31	4	98	0	99	16	96	3	99	3	99
30	13	97	0	99	14	93	4	98	3	99
29	17	96	7	99	17	91	9	98	4	98
28	22	93	9	99	16	89	8	96	17	98
27	23	90	28	98	20	87	6	95	30	96
26	27	87	27	94	21	84	30	94	27	91
25	33	83	27	90	27	81	35	90	33	88
24	36	79	42	86	34	77	37	85	54	83
23	56	74	44	80	52	73	70	80	50	75
22	54	66	55	74	59	65	70	70	49	68
21	56	58	39	66	53	57	82	61	77	62
20	58	50	41	61	63	50	82	49	59	51
19	42	42	75	55	59	41	63	38	60	43
18	41	36	67	45	58	33	64	29	65	34
17	31	31	82	35	46	25	25	20	67	25
16	47	26	100	24	31	18	34	16	51	16
15	58	20	45	10	36	14	41	12	34	9
14	31	12	18	4	18	9	15	6	14	4
13	20	7	6	1	21	6	11	4	8	2
12	14	5	1	1	17	3	7	2	4	1
Total N	716		716		716		716		716	
Mean	20.44		19.77		21.09		20.56		20.58	
SD	5.19		3.84		5.18		4.07		3.99	

### 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 65%.

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

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 90%.

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%.

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:

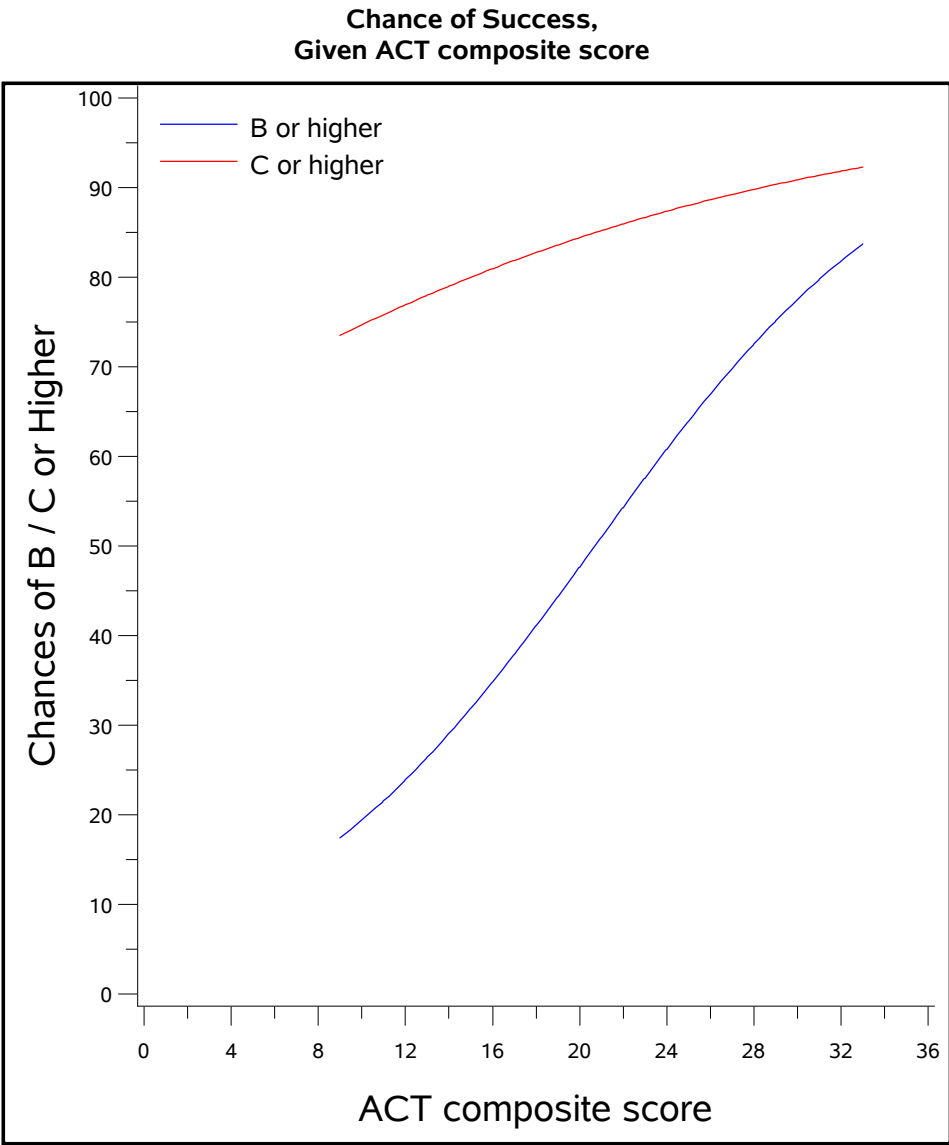
- about 43% of your students would not be admitted
- about 67% of your admissions decisions would be correct
- about 66% of those admitted would obtain a B or higher

	B or higher			C or higher		
Chance range	Percent below	Accuracy rate	Success rate	Percent below	Accuracy rate	Success rate
91 - 99				79	33	94
85 - 90	99	48	86	47	59	92
82 - 84	99	49	84	28	73	90
79 - 81	96	51	81	20	77	89
76 - 78	92	53	79	15	80	89
73 - 75	87	56	78	12	82	88
70 - 72	81	58	76	8	84	88
67 - 69	75	61	75	6	84	87
64 - 66	69	63	73	5	85	87
61 - 63	64	64	72	4	85	87
58 - 60	57	65	70	2	85	86
55 - 57	52	66	69	1	85	86
52 - 54	47	67	67	0	86	86
49 - 51	43	67	66	0	86	86
46 - 48	39	67	65			
43 - 45	34	66	64			
40 - 42	30	66	62			
37 - 39	26	65	61			
34 - 36	23	64	60			
31 - 33	19	63	59			
28 - 30	16	61	58			
25 - 27	13	60	57			
22 - 24	10	59	56			
19 - 21	8	57	55			
16 - 18	6	56	54			
10 - 15	3	54	53			
1 - 9	0	52	52			

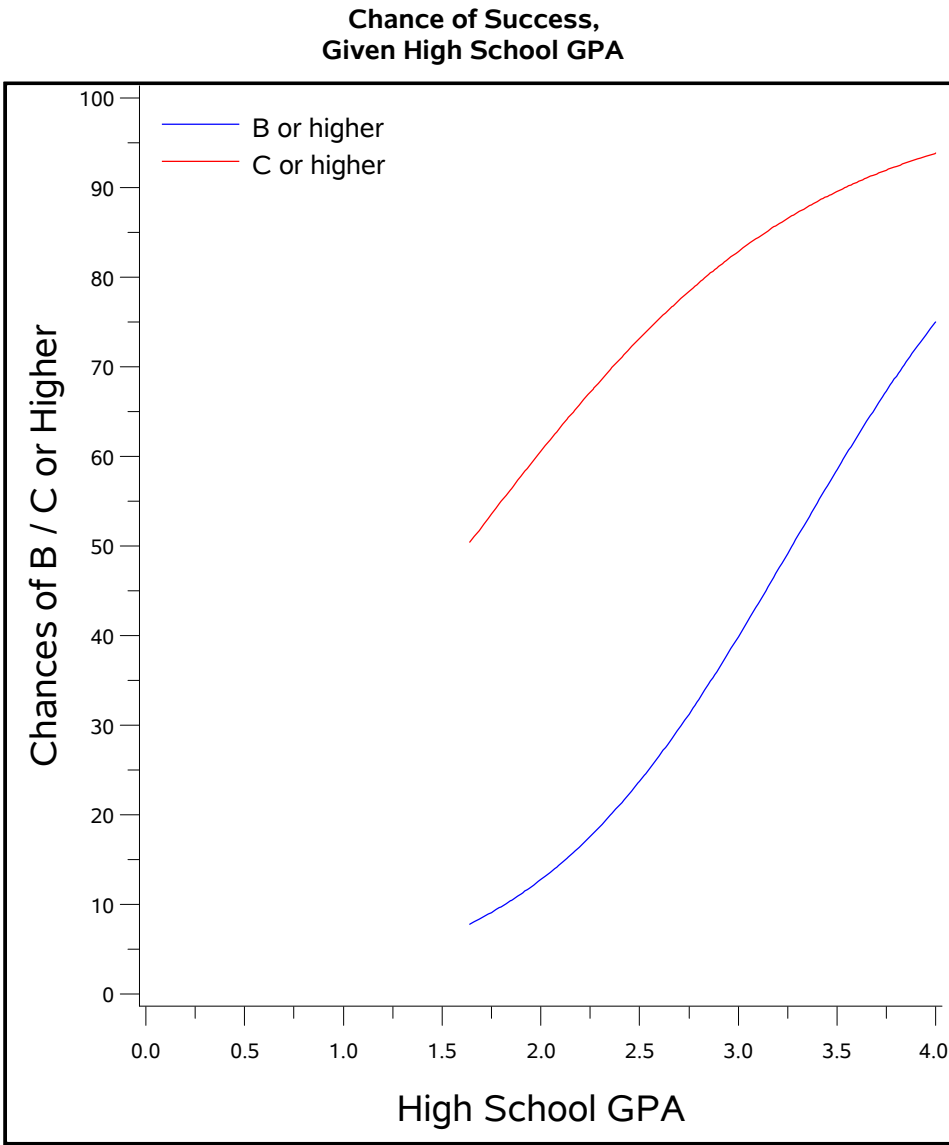
If present, the shaded rows highlight the optimal cutoff combinations (i.e., those that lead to the highest percentage of correct admissions decisions).

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 21 would obtain a B or higher at your institution is 51%.

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 2.82 would obtain a B or higher at your institution is 34%.



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	-5.84		-1.97		
ACT composite score and High School GPA	0.07 1.32	0.0019 <.0001	0.01 1.13	0.789 <.0001	0.42
Intercept	-2.75		0.47		
ACT composite score	0.13	<.0001	0.06	0.0241	0.21
Intercept	-4.94		-1.87		
High School GPA	1.51	<.0001	1.15	<.0001	0.42