

Admissions Service Report



SOUTHERN ARKANSAS UNIVERSITY (0142)
Magnolia, AR

Admissions Group: ON-CAMPUS

Data Cohort: Fall 2015

Date of Report: May 22, 2017

Table of Contents

Page

ON-CAMPUS	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

ON-CAMPUS

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
- ON-CAMPUS who completed the year at your institution
- ON-CAMPUS with core course preparation in high school
- ON-CAMPUS 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 ON-CAMPUS. 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	ON-CAMPUS at your institution		
			All students	Students with core preparation	Students without core preparation
	N	1,745	531	470	44
ACT composite score	Mean	19.8	20.9	21.2	18.7
	SD	4.3	4.0	3.9	3.5
High School GPA	Mean	3.2	3.3	3.4	3.0
	SD	0.6	0.6	0.5	0.6
College GPA	Mean		2.9	2.9	2.7
	Pct. B or higher		54	56	38
	Pct. C or higher		87	88	85

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

This table summarizes the admissions variables of your ON-CAMPUS 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	73	73	108	134	143
ACT composite score	Mean	19.9	19.7	19.5	20.9	22.9
	SD	4.0	3.6	3.8	4.0	3.7
High School GPA	Mean	3.0	3.1	3.2	3.4	3.7
	SD	0.5	0.6	0.5	0.5	0.4

ACT Norms for ON-CAMPUS 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	6	99	0	100	5	99	3	99	0	100
33	3	99	0	100	7	99	1	99	2	100
32	1	98	1	100	14	98	5	99	3	99
31	3	98	0	99	11	95	2	98	3	99
30	8	97	0	99	12	93	2	98	3	98
29	14	96	6	99	14	91	8	97	3	98
28	20	93	8	99	11	88	8	96	14	97
27	18	89	24	97	15	86	6	94	22	95
26	21	86	20	93	15	83	24	93	21	91
25	30	82	22	89	20	80	27	89	26	87
24	29	76	31	85	27	76	28	84	46	82
23	48	71	37	79	42	71	52	78	43	73
22	35	62	41	72	48	63	55	69	36	65
21	41	55	32	64	36	54	58	58	51	58
20	41	48	28	58	41	48	62	47	46	49
19	30	40	57	53	46	40	42	36	44	40
18	32	34	49	42	41	31	48	28	47	32
17	21	28	62	33	36	24	18	19	45	23
16	31	24	69	21	24	17	29	15	35	14
15	40	18	29	8	22	12	27	10	23	8
14	21	11	9	3	12	8	8	5	10	3
13	15	7	4	1	14	6	6	3	3	2
12	8	4	1	1	11	3	6	2	3	1
Total N	531		531		531		531		531	
Mean	20.74		20.03		21.32		20.82		20.86	
SD	5.21		3.87		5.23		4.11		4.04	

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 68%.

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	35	37	39	41	43	45	47	49	52	54	56	58	60	62	64	66	68	70	71	73	75	76	78	79	81	82	83	84	85	86	87	88	89	90	91	91	
3.9	32	34	36	38	40	42	44	46	48	50	52	54	57	59	61	63	65	67	68	70	72	74	75	77	78	80	81	82	84	85	86	87	88	89	90	90	
3.8	29	31	33	34	36	38	40	42	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	74	76	77	79	80	82	83	84	85	86	87	88	89	
3.7	26	28	30	31	33	35	37	39	41	43	45	47	50	52	54	56	58	60	62	64	66	68	70	72	73	75	77	78	79	81	82	83	84	86	87	88	
3.6	24	25	27	28	30	32	34	36	38	40	42	44	46	48	50	53	55	57	59	61	63	65	67	69	70	72	74	76	77	79	80	81	83	84	85	86	
3.5	21	23	24	26	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	58	60	62	64	66	68	69	71	73	75	76	78	79	80	82	83	84	
3.4	19	20	22	23	25	26	28	30	32	33	35	37	39	41	43	46	48	50	52	54	56	58	60	62	64	66	68	70	72	73	75	77	78	80	81	82	
3.3	17	18	19	21	22	24	25	27	29	30	32	34	36	38	40	42	44	46	49	51	53	55	57	59	61	63	65	67	69	71	72	74	76	77	79	80	
3.2	15	16	17	19	20	21	23	24	26	28	29	31	33	35	37	39	41	43	45	47	49	51	54	56	58	60	62	64	66	68	70	71	73	75	76	78	
3.1	13	14	15	17	18	19	20	22	23	25	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	59	61	63	65	67	68	70	72	74	75	
3.0	12	13	14	15	16	17	18	20	21	22	24	25	27	29	31	32	34	36	38	40	42	44	47	49	51	53	55	57	59	61	63	65	67	69	71	73	
2.9	10	11	12	13	14	15	16	17	19	20	21	23	24	26	28	29	31	33	35	37	39	41	43	45	47	50	52	54	56	58	60	62	64	66	68	70	
2.8	9	10	11	12	12	13	14	15	17	18	19	21	22	23	25	27	28	30	32	34	36	38	40	42	44	46	48	50	52	55	57	59	61	63	65	67	
2.7	8	9	9	10	11	12	13	14	15	16	17	18	20	21	22	24	26	27	29	31	33	35	36	38	41	43	45	47	49	51	53	55	57	60	62	64	
2.6	7	8	8	9	10	10	11	12	13	14	15	16	18	19	20	22	23	25	26	28	30	31	33	35	37	39	41	43	45	48	50	52	54	56	58	60	
2.5	6	7	7	8	9	9	10	11	12	13	13	15	16	17	18	19	21	22	24	25	27	29	30	32	34	36	38	40	42	44	46	48	51	53	55	57	
2.4	5	6	6	7	8	8	9	10	10	11	12	13	14	15	16	17	18	20	21	23	24	26	27	29	31	33	35	37	39	41	43	45	47	49	51	53	
2.3	5	5	6	6	7	7	8	8	9	10	11	11	12	13	14	15	16	18	19	20	22	23	25	26	28	30	32	34	35	37	39	42	44	46	48	50	
2.2	4	5	5	5	6	6	7	7	8	9	9	10	11	12	13	14	15	16	17	18	19	21	22	24	25	27	29	31	32	34	36	38	40	42	44	47	
2.1	4	4	4	5	5	6	6	6	7	8	8	9	10	10	11	12	13	14	15	16	17	19	20	21	23	24	26	28	29	31	33	35	37	39	41	43	
2.0	3	3	4	4	4	5	5	6	6	7	7	8	8	9	10	11	11	12	13	14	15	17	18	19	20	22	23	25	27	28	30	32	34	36	38	40	
1.9	3	3	3	4	4	4	5	5	5	6	6	7	7	8	9	9	10	11	12	13	14	15	16	17	18	20	21	22	24	26	27	29	31	33	34	36	
1.8	2	3	3	3	3	4	4	4	5	5	6	6	7	7	8	8	9	10	10	11	12	13	14	15	16	17	19	20	21	23	25	26	28	30	31	33	
1.7	2	2	3	3	3	3	4	4	4	4	5	5	6	6	7	7	8	9	9	10	11	12	12	13	14	16	17	18	19	21	22	24	25	27	28	30	
1.6	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	7	7	8	9	9	10	11	12	13	14	15	16	17	18	20	21	23	24	26	27	
1.5	2	2	2	2	2	2	3	3	3	3	4	4	4	5	5	6	6	7	7	8	8	9	10	11	11	12	13	14	15	16	18	19	20	22	23	25	
1.4	1	2	2	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	7	7	8	9	9	10	11	12	13	14	15	16	17	18	19	21	22	
1.3	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	7	8	8	9	10	10	11	12	13	14	15	16	17	19	20		
1.2	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	4	4	4	5	5	6	6	7	7	8	8	9	10	11	11	12	13	14	15	17	18	
1.1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	4	4	4	5	5	5	6	6	7	7	8	9	9	10	11	12	13	14	15	16		
1.0	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4	5	5	6	6	7	7	8	8	9	10	10	11	12	13	14		
0.9	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	4	4	4	5	5	6	6	7	7	8	8	9	10	11	12	12		
0.8	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	7	7	8	9	9	10	11		
0.7	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4	5	5	6	6	7	7	8	8	9	10		
0.6	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	7	7	8	9		
0.5	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	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 91%.

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

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:

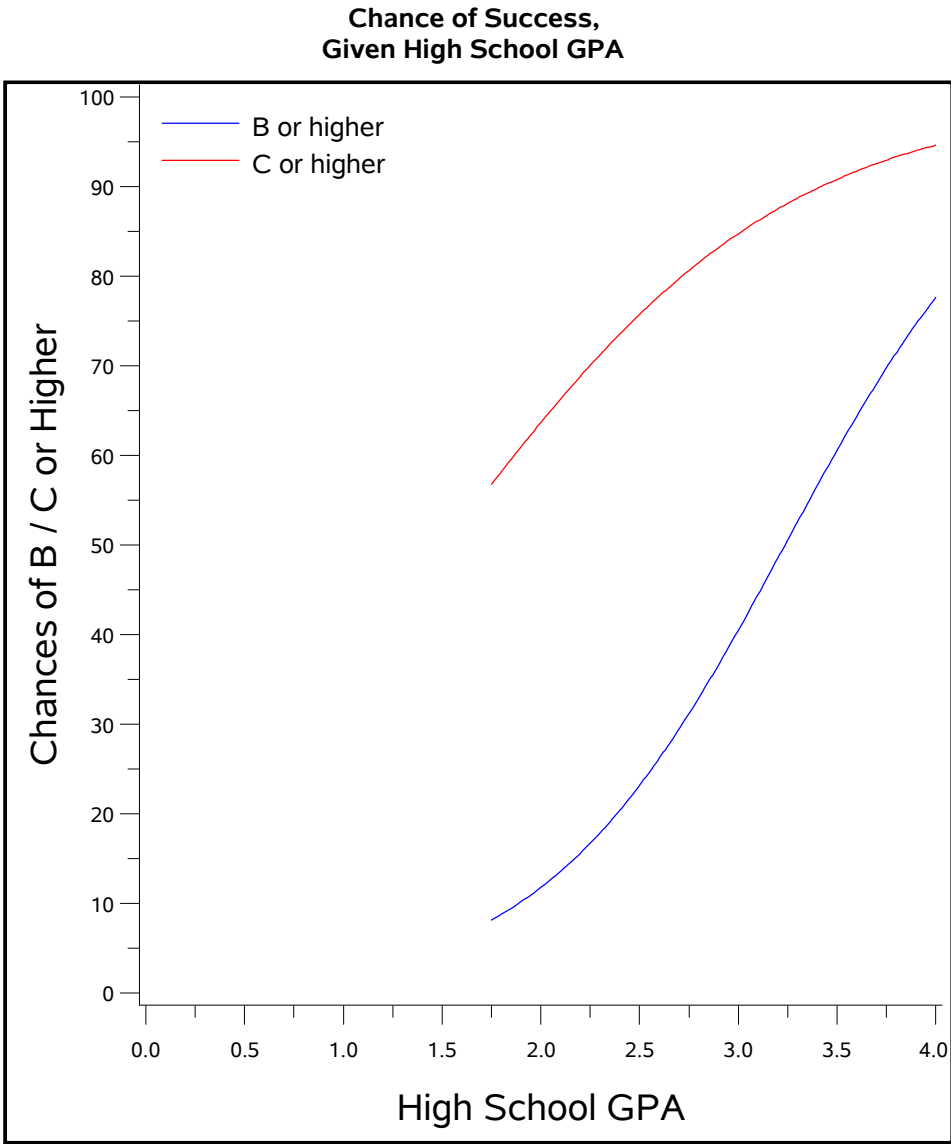
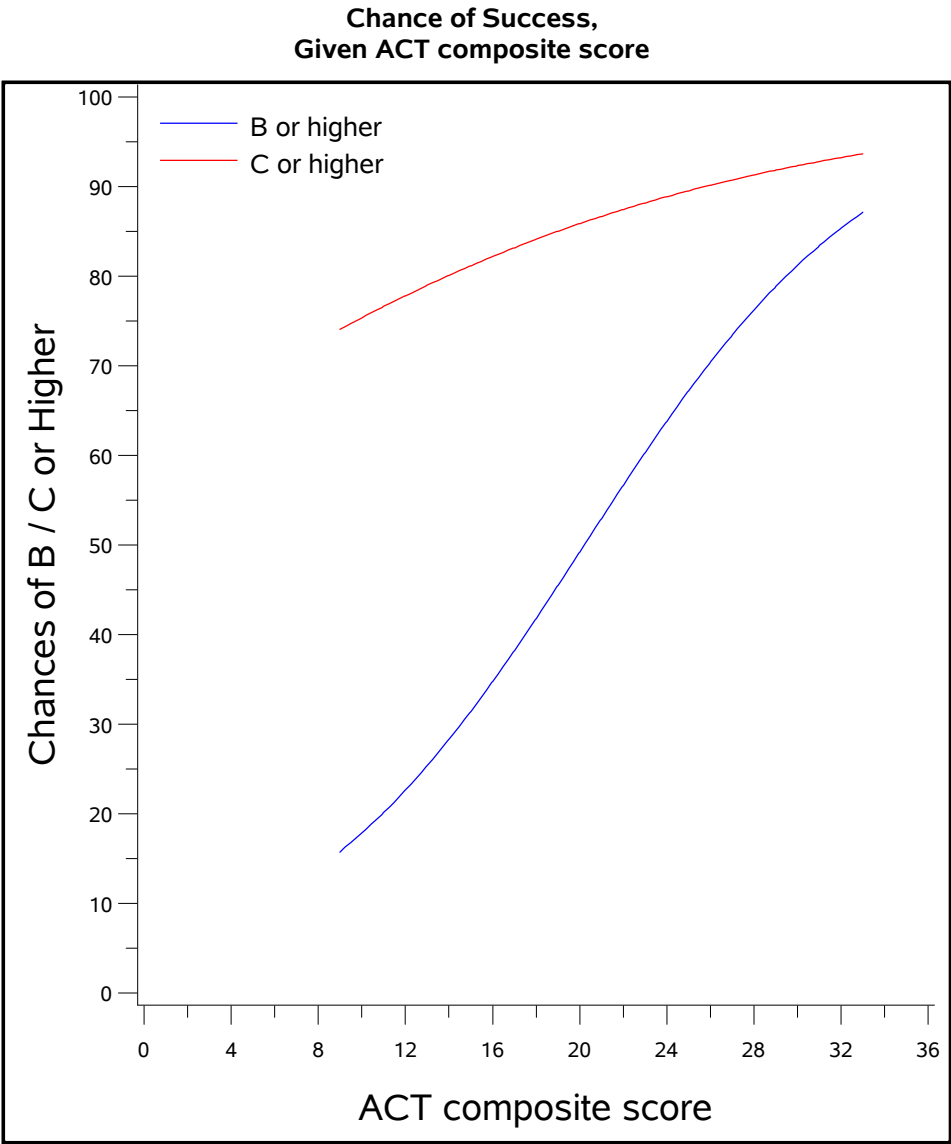
- about 39% of your students would not be admitted
- about 68% of your admissions decisions would be correct
- about 68% of those admitted would obtain a B or higher

	B or higher			C or higher		
Chance range	Percent below	Accuracy rate	Success rate	Percent below	Accuracy rate	Success rate
91 - 99				Note: Statistics are not reported for negative relationships.		
85 - 90	99	46	88			
82 - 84	97	48	85			
79 - 81	93	51	83			
76 - 78	86	55	81			
73 - 75	80	58	79			
70 - 72	74	61	77			
67 - 69	68	62	76			
64 - 66	63	64	75			
61 - 63	58	66	73			
58 - 60	53	67	72			
55 - 57	47	68	70			
52 - 54	43	68	69			
49 - 51	39	68	68			
46 - 48	35	68	67			
43 - 45	31	68	66			
40 - 42	28	67	65			
37 - 39	24	67	64			
34 - 36	21	66	62			
31 - 33	18	65	61			
28 - 30	15	63	60			
25 - 27	12	62	59			
22 - 24	11	61	59			
19 - 21	8	60	58			
16 - 18	6	59	57			
10 - 15	3	57	55			
1 - 9	1	55	54			

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 53%.

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 2.91 would obtain a B or higher at your institution is 37%.



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	-6.28		-1.70		
ACT composite score and High School GPA	0.09 1.39	0.0024 <.0001	-0.00 1.17	0.9192 <.0001	0.44
Intercept	-3.02		0.43		
ACT composite score	0.15	<.0001	0.07	0.0351	0.23
Intercept	-5.27		-1.75		
High School GPA	1.63	<.0001	1.15	<.0001	0.43