2017 Freshman Cohort Retention Report

Executive Summary

This report summarizes the one-year retention of 1,868 students in the University of South Alabama (USA) 2017 first-time full-time baccalaureate degree-seeking freshman cohort. The one-year retention rate for the 2017 freshman cohort was 74%.

Results indicated retention of students with a lower high school GPA or lower ACT Composite score or students who are 19 years old or older may require additional resources and monitoring to enable and/or encourage them to persist towards successfully completing a degree at USA. Students who participated in Greek life at USA were more likely to return to USA which emphasizes the importance of students becoming involved in student organizations at USA that allow them to connect with students with similar interests outside of the classroom as well. Similar to previous studies, students attending the earlier freshman summer orientation sessions were more likely to return than students attending the later orientation sessions meaning that the orientation session attended could provide another key factor for identifying at-risk freshmen students early on in their college experience.

The importance of financial support in the form of freshman scholarships or other types of scholarships was also clear. Additional USA freshman scholarships should be considered to continue to attract top students to attend USA. In addition, need-based grants could be utilized to assist students in greater need of financial support to encourage them to return to and persist towards completing a degree at USA.

Results also showed students who received an at-risk midterm grade (D, F, or U) in the Fall 2017 semester in four or more courses for lack of attendance and/or poor academic performance and students who were placed on probation after the Fall 2017 semester ended were unlikely to return to USA one year later. These findings highlight the importance of intervening prior to the end of the fall semester with students who receive an at-risk midterm grade to help prevent these students from subsequently receiving a low USA GPA and being placed on probation after the fall semester concludes.

Overview

The following report provides a detailed analysis about the one-year retention of the 1,868 first-time full-time baccalaureate degree-seeking freshmen students in the University of South Alabama (USA) 2017 freshman cohort. Retention in the context of this report is defined as whether freshmen students returned and enrolled one year later in the Fall 2018 semester. Similar to reports written by Institutional Research, the input-environment-outcome (onmee4c

Cross tabular results for each variable and whether the student returned are reported. Comparisons for each subgroup are made to the overall retention rate of the cohort (74%). Significant mean differences for the input, environmental, and outcome variables are also indicated.

Additionally, five logistic regression models were tested. The first model included the input[2] variables. The second model included the input and the environmental[3] variables. The third model included two outcome variables known midway through or after the end of the Fall 2017 semester[4]. The fourth model and fifth model tested a different outcome variable known after the end of the Summer 2018 semester[5]. The predictive power of each model for explaining whether the student would return (Yes/No) is reported as well as which variables were significant in each of the five models.

Cross Tabular Results

Cross tabular results for each variable and whether the student returned are summarized in the following section. Comparisons are made for each subgroup of the variable to the one-year retention rate (74%) of the 1,o2(ubg)10.9(r)-4(oup)on(r)-3.9.6(he)6(ng)16(i)-4.u2(a)5w.7(f)-

Table 3: Comparison of Outcome Variables Midway Through/After Fall 2017 to 2017 Cohort Retention Rate

Variable	Retention Rate >= 74%	Count	Retention Rate < 74%	Count

*Number of

outcome variable, stepwise logistic regression was used. This technique allows for the identification of significant variables that contribute to the classification of individuals by using an algorithm to determine the importance of predictor variables. Stepwise logistic regression was used to identify significant variables in the model for predicting the outcome variable. Results of the final step for the model are reported including the classification rate for the model. Additionally, an analysis of the proportionate change in odds for significant variables is provided.

As a part of this study, five logistic models were tested. The first model included the input variables. The second model included the input variables and the environmental variables. The third model tested two outcome variables known midway through or after the Fall 2017 semester: 1) the number of at-risk midterm grades a student had in Fall 2017 and 2) whether the student was placed on probation after Fall 2017 to see what happened when these variables were used as predictors of retention. The fourth and fifth models tested a different outcome variable known after the Summer 2018 semester. The fourth model tested the number of USA hours earned after Summer 2018 and the fifth model tested the USA GPA after Summer 2018 to see what happened when these outcomes were used as individual predictors of retention.

The number of students (selected cases) included in each model varied based on what variables were included in the final model because some students in the cohort had missing data, such as a high school GPA and/or an ACT Composite score. Because complete cases were required to compute the results, the final number of students used for each model ranged from a low of 1,812 students for the first and second models to a high of 1,868 students for the third model. The total number of students without any missing data for any of the variables used in the five different models was 1,787. The retention rate for this subset of 1,787 students was 76%. With a similar retention rate (76% compared to 74%) and 1,787 students representing 96% of the entire cohort, the models tested provided a solid representation of retention for this population. Since the focus for the models tested was to predict returning students, the outcome was coded with students not returning as a "0" and students returning as a "1". This focus meant results would predict the odds of whether the student would return one year later.

Model 1: Logistic Regression with Input Variables Only

The first model consisted of four steps (see Appendix: Logistic Regression Tables). The final step (step 4) of the first model showed the model correctly classified students in this cohort who returned 99.3% of the time and students who did not return 2.0% of the time for an overall classification rate of 74.7%.

For each variable included in the first model, a comparison group was selected (gender=male, race/ethnicity=multiracial, age=19 years old, region=rest of United States, high school GPA=3.0 or lower, first generation status=No, and ACT Composite score=19 or lower). In the first model (see Appendix: Logistic Regression Tables), high school GPA, age, race/ethnicity, and ACT Composite score were significant in the final step (step 4) of the model. The final step (step 4) of the first model showed the odds (Exp B) of a student returning was greater for African-American (1.259), Asian (533,057,388), Non-Resident Alien (2.165), White (1.016), and students of some other race/ethnicity (1.506) than for multiracial students.

When looking at the age of a student, the final step (step 4) of the first model showed the odds (Exp B) of a student returning was greater for a student of all other age groups (17 years or younger=2.699, 18 years old=1.539, 20 years or older=2.402) than for a student who was 19 years old. The confidence intervals (95%) also indicated the odds of a student returning was greater for a student who was 17 years or younger or 18 years old than for a student who was 19 years old.

The final step (step 4) of the first model showed the odds (Exp B) of a student returning was greater for a student in the two higher high school GPA comparison groups (3.01-3.5=1.530 and 3.51-4.0=2.823) than for a student with a high school GPA of 3.0 or lower. Additionally, the confidence intervals (95%)

grades=3.108, one at-

Table 5: One-Year Retention Rate Peer Comparisons * Ranked by 201 5 Cohort Retention Rate * High to Low

Institution Name	2015 Cohort Retention	2014 Cohort Retention	2013 Cohort Retention	2012 Cohort Retention	2011 Cohort Retention
Florida International University	88	88	84	84	82
University of Memphis	80	77	78	76	

freshmen in the 2017 cohort go?" This study will determine how many non-returning freshmen students transferred to another college or university or "stopped out" of college altogether.

APPENDIX

2017 Freshman Cohort Retention Report Cross Tabs

2017 Cohort * Gender * One-Year Retention Crosstabulation

			One-Year Retention		
			No	Yes	Total
Gender	Female	Count	273	873	1146
		% within Gender	23.8%	76.2%	100.0%
	Male	Count	205	517	722
		% within Gender	28.4%	71.6%	100.0%
Total		Count	478	1390	1868
		% within Gender	25.6%	74.4%	100.0%

2017 Cohort * Race * One-Year Retention Crosstabulation

			One-Year Retention		
			No	Yes	Total
Race	White	Count	314	903	1217
		% within Race	25.8%	74.2%	100.0%
	African-American	Count	103	283	386
		% within Race	26.7%	73.3%	100.0%
	Asian	Count	0	34	34
		% within Race	0.0%	100.0%	100.0%
	Hispanic	Count	24	62	86
		% within Race	27.9%	72.1%	100.0%
	Multiracial	Count	22	55	77
		% within Race	28.6%	71.4%	100.0%
	Non-Resident Alien	Count	6	16	22
		% within Race	27.3%	72.7%	100.0%
	Other	Count	9	37	46
		% within Race	19.6%	80.4%	100.0%
Total		Count	478	1390	1868
		% within Race	25.6%	74.4%	100.0%

2017 Cohort * Age * One-Year Retention Crosstabulation

			One-Year Retention		
			No	Yes	Total
Age	17 years or younger	Count	18	101	119
		% within Age	15.1%	84.9%	100.0%
	18 years old	Count	405	1194	1599
		% within Age	25.3%	74.7%	100.0%
	19 years old	Count	42	70	112
		% within Age	37.50%	62.50%	100.0%
	20 years or older	Count	13	25	38
		% within Age	34.2%	65.8%	100.0%
Total		Count	478	1390	1868
		% within Age	25.6%	74.4%	100.0%

2017 Freshman Cohort Retention Report Cross Tabs

2017 Cohort * ACT * One-Year Retention Crosstabulation

			One-Year Retention		
			No	Yes	Total
ACT	19 or lower	Count	95	227	322
		% within ACT	29.50%	70.50%	100.0%
	20-21	Count	113	234	347
		% within ACT	32.6%	67.4%	100.0%
	22-23	Count	96	236	332
		% within ACT	28.9%	71.1%	100.0%
	24-25	Count	64	262	326
		% within ACT	19.6%	80.4%	100.0%
	26-27	Count	32	142	174
		% within ACT	18.4%	81.6%	100.0%
	28-29	Count	34	113	147
		% within ACT	23.1%	76.9%	100.0%
	30 or higher	Count	25	140	165
		% within ACT	15.2%	84.8%	100.0%
Total		Count	459	1354	1813
		% within ACT	25.3%	74.7%	100.0%

2017 Cohort * First Generation * One-Year Retention Crosstabulation

			One-Year Retention		
			No	Yes	Total
First Generation	No	Count	380	1123	1503
		% within First Generation	25.3%	74.7%	100.0%
	Yes	Count	98	267	365
		% within First Generation	26.8%	73.2%	100.0%
Total		Count	478	1390	1868
		% within First Generation	25.6%	74.4%	100.0%

2017 Cohort * Number USA Days Attended * One-Year Retention Crosstabulation

			One-Year Retention		
			No	Yes	Total
Number USA Days Attended	Did Not Attend	Count	381	1015	1396
		% within Number USA Days Attended	27.3%	72.7%	100.0%
	Attended 1 USA Day	Count	94	363	457
		% within Number USA Days Attended	20.6%	79.4%	100.0%
		Count	3	12	15
		% within Number USA Days Attended	20.0%	80.0%	100.0%
		Count	478	1390	1868
		% within Number USA Days Attended	25.6%	74.4%	100.0%

Orientation * One-Year Retention Crosstabulation

			One-Year Retention		
			No	Yes	Total
Orientation	August Freshman	Count	25	38	63
		% within Orientation	39.7%	60.3%	100.0%
	August Transfer	Count	3	3	6
		% within Orientation	50.0%	50.0%	100.0%
	Freshman Session 1	Count	23	166	189
		% within Orientation	12.2%	87.8%	100.0%
	Freshman Session 10	Count	47	84	131
		% within Orientation	35.9%	64.1%	100.0%
	Freshman Session 2	Count	42	147	189
		% within Orientation	22.2%	77.8%	100.0%
	Freshman Session 3	Count	36	147	183
		% within Orientation	19.7%	80.3%	100.0%
	Freshman Session 4	Count	35	146	181
		% within Orientation	19.3%	80.7%	100.0%
	Freshman Session 5	Count	36	144	180
		% within Orientation	20.0%	80.0%	100.0%
	Freshman Session 6	Count	47	123	170
		% within Orientation	27.6%	72.4%	100.0%
	Freshman Session 7	Count	65	124	189
		% within Orientation	34.4%	65.6%	100.0%
	Freshman Session 8	Count	44	107	151
		% within Orientation	29.1%	70.9%	100.0%
	Freshman Session 9	Count	49	102	151
		% within Orientation	32.45%	67.55%	100.0%
	January Freshman	Count	0	2	2
		% within Orientation	0.0%	100.0%	100.0%
	May Freshman	Count	6	18	24
		% within Orientation	25.0%	75.0%	100.0%
	May Transfer	Count	1	1	2
		% within Orientation	50.0%	50.0%	100.0%
	Transfer Session 1	Count	1	0	1
		% within Orientation	100.0%	0.0%	100.0%
	Transfer Session 2	Count	1	0	1
		% within Orientation	100.0%	0.0%	100.0%
	Transfer Session 3	Count	0	1	1
		% within Orientation	0.0%	100.0%	100.0%
	Transfer Session 4	Count	1	4	5
		% within Orientation	20.0%	80.0%	100.0%
	Unknown/Did Not Attend	Count	16	33	49
		% within Orientation	32.7%	67.3%	100.0%
Total		Count	478	1390	1868
		% within Orientation	25.6%	74.4%	100.0%

2017 Cohort * Orientation Logistic * One-Year Retention Crosstabulation

			One-Year Retention		
			No	Yes	Total
Orientation Logistic	August/Transfer/Unknown Orientation	Count	48	82	130
		% within Orientation Logistic	36.9%	63.1%	100.0%
	May Orientation	Count	6	18	24
		% within Orientation Logistic	25.0%	75.0%	100.0%
	Freshman Session 1	Count	23	166	189
		% within Orientation Logistic	12.2%	87.8%	100.0%
	Freshman Session 2	Count	42	147	189
		% within Orientation Logistic	22.2%	77.8%	100.0%
	Freshman Session 3	Count	36	147	183
		% within Orientation Logistic	19.7%	80.3%	100.0%
	Freshman Session 4	Count	35	146	181
		% within Orientation Logistic	19.3%	80.7%	100.0%
	Freshman Session 5	Count	36	144	180
		% within Orientation Logistic	20.0%	80.0%	100.0%
	Freshman Session 6	Count	47	123	170
		% within Orientation Logistic	27.6%	72.4%	100.0%
	Freshman Session 7	Count	65	124	189
		% within Orientation Logistic	34.4%	65.6%	100.0%
	Freshman Session 8	Count	44	107	151
		% within Orientation Logistic	29.1%	70.9%	100.0%
	Freshman Session 9	Count	49	102	151
		% within Orientation Logistic	32.45%	67.55%	100.0%
	Freshman Session 10	Count	47	84	131
		% within Orientation Logistic	35.9%	64.1%	100.0%
Total		Count	478	1390	1868
		% within Orientation Logistic	25.6%	74.4%	100.0%

2017 Freshman Cohort Retention Report Cross Tabs

2017 Cohort * College * One-Year Retention Crosstabulation

			One-Year Retention		
			No	Yes	Total
College	AH	Count	53	247	300
		% within College	17.7%	82.3%	100.0%
	AS	Count	165	422	587
		% within College	28.1%	71.9%	100.0%
	BU	Count	52	121	173
		% within College	30.1%	69.9%	100.0%
	CS	Count	19	62	81
		% within College	23.46%	76.54%	100.0%
	ED	Count	42	144	186
		% within College	22.6%	77.4%	100.0%
	EG	Count	57	168	225
		% within College	25.3%	74.7%	100.0%
	NU	Count	90	226	316
		% within College	28.48%	71.52%	100.0%
Total		Count	478	1390	1868
		% within College	25.6%	74.4%	100.0%

2017 Cohort * Freshman Scholarship * One-Year Retention Crosstabulation

			One-Year Retention		
			No	Yes	Total
Freshman Scholarship	No	Count	288	660	948
		% within Freshman Scholarship	30.4%	69.6%	100.0%
		Count	190	730	920
		% within Freshman Scholarship	20.7%	79.3%	100.0%
		Count	478	1390	1868
		% within Freshman Scholarship	25.6%	74.4%	100.0%

		No	Yes	
Count		240	510	750
% within Other Scholarship		32.0%	68.0%	100.0%
Count		238	880	1118
% within Other Scholarship		21.3%	78.7%	100.0%
Count		478	1390	1868
% within Other Scholarship		25.6%	74.4%	100.0%

		No	Yes	
Count		251	839	1090
% within Pell Grant				

	No	Yes	
Count	125	385	510
% within Took Freshman Seminar			

2017 Cohort * USA Hours Earned After Summer 2018 * One-Year Retention Crosstabulation

			One-Year Retention		
			No	Yes	Total
USA Hours Earned After Summer 2018	0-6 hours	Count	117	10	127
		% within USA Hours Earned After Summer	92.1%	7.9%	100.0%
	6.5-12 hours	Count	72	15	87
		% within USA Hours Earned After Summer	82.8%	17.2%	100.0%
	12.5-18 hours	Count	113	35	148
		% within USA Hours Earned After Summer	76.4%	23.6%	100.0%
		Count	45	117	162
		% within USA Hours Earned After Summer	27.8%	72.2%	100.0%
		Count	66	449	515
		% within USA Hours Earned After Summer	12.8%	87.2%	100.0%
		Count	41	763	804
		% within USA Hours Earned After Summer	5.1%	94.9%	100.0%
		Count	454	1389	1843
		% within USA Hours Earned After Summer	24.6%	75.4%	100.0%

		No	Yes	
	Count	235	86	321
	% within USA GPA After Summer 2018	73.2%	26.8%	100.0%
	Count	47	150	197
	% within USA GPA After Summer 2018	23.9%	76.1%	100.0%
	Count	61	270	331
	% within USA GPA After Summer 2018	18.4%	81.6%	100.0%
	Count	55	372	427
	% within USA GPA After Summer 2018	12.9%	87.1%	100.0%
	Count	56	511	567
	% within USA GPA After Summer 2018	9.9%	90.1%	100.0%
	Count	454	1389	1843
	% within USA GPA After Summer 2018	24.6%	75.4%	100.0%

2017 Freshman Cohort Retention Report Independent T-Test Tables

	N	Mean	Std. Deviation	Std. Error Mean
No	478			

2017 Freshman Cohort Retention Report Independent T-Test Tables

Lower

2017 Freshman Cohort Retention Report ANOVA Tables

2017 Cohort * Age * Multiple Comparisons

Dependent Variable:

Games-Howell

(I) Age		Mean Difference (I-J)	Std. Error	Sig.	Interval Bound	Interval Bound
17 years or younger	18 years old	.102*	.035	.020	.01	.19
	19 years old	.224*	.057	.001	.08	.37
	20 years or older	.191	.085	.123	-.03	.42
18 years old	17 years or younger	-.102*	.035	.020	-.19	-.01
	19 years old	.122	.047	.053	.00	.24
	20 years or older	.089	.079	.675	-.12	.30
19 years old	17 years or younger	-.224*	.057	.001	-.37	-.08
	18 years old	-.122	.047	.053	-.24	.00
	20 years or older	-.033	.091	.983	-.27	.21
20 years or older	17 years or younger	-.191	.085	.123	-.42	.03
	18 years old	-.089	.079	.675	-.30	.12
	19 years old	.033	.091	.983	-.21	.27

*. The mean difference is significant at the 0.05 level.

2017 Freshman Cohort Retention Report ANOVA Tables

2017 Cohort * ACT Composite * Multiple Comparisons

Dependent Variable:

Games-Howell

(I) ACT		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Bound	95% Confidence Interval Bound
19 or lower	20-21	.031	.036	.979	-.08	.14
	22-23	-.006	.036	1.000	-.11	.10
	24-25	-.099	.034	.054	-.20	.00
	26-27	-.111	.039	.068	-.23	.00
	28-29	-.064	.043	.759	-.19	.06
	30 or higher	-.144*	.038	.003	-.26	-.03
20-21	19 or lower	-.031	.036	.979	-.14	.08
	22-23	-.036	.035	.947	-.14	.07
	24-25	-.129*	.033	.002	-.23	-.03
	26-27	-.142*	.039	.005	-.26	-.03
	28-29	-.094	.043	.303	-.22	.03
	30 or higher	-.174*	.038	.000	-.29	-.06
22-23	19 or lower	.006	.036	1.000	-.10	.11
	20-21	.036	.035	.947	-.07	.14
	24-25	-.093	.033	.079	-.19	.01
	26-27	-.105	.039	.094	-.22	.01
	28-29	-.058	.043	.828	-.19	.07
	30 or higher	-.138*	.037	.005	-.25	-.03
24-25	19 or lower	.099	.034	.054	.00	.20
	20-21	.129*	.033	.002	.03	.23
	22-23	.093	.033	.079	-.01	.19
	26-27	-.012	.037	1.000	-.12	.10
	28-29	.035	.041	.980	-.09	.16
	30 or higher	-.045	.036	.871	-.15	.06
26-27	19 or lower	.111	.039	.068	.00	.23
	20-21	.142*	.039	.005	.03	.26
	22-23	.105	.039	.094	-.01	.22
	24-25	.012	.037	1.000	-.10	.12
	28-29	.047	.046	.945	-.09	.18
	30 or higher	-.032	.041	.985	-.15	.09
28-29	19 or lower	.064	.043	.759	-.06	.19
	20-21	.094	.043	.303	-.03	.22
	22-23	.058	.043	.828	-.07	.19
	24-25	-.035	.041	.980	-.16	.09
	26-27	-.047	.046	.945	-.18	.09
	30 or higher	-.080	.045	.561	-.21	.05
30 or higher	19 or lower	.144*	.038	.003	.03	.26
	20-21	.174*	.038	.000	.06	.29
	22-23	.138*	.037	.005	.03	.25
	24-25	.045	.036	.871	-.06	.15
	26-27	.032	.041	.985	-.09	.15
	28-29	.080	.045	.561	-.05	.21

*. The mean difference is significant at the 0.05 level.

2017 Freshman Cohort Retention Report ANOVA Tables

2017 Cohort * USA Day * Multiple Comparisons

Dependent Variable:

Games-Howell

(I) Number USA Days Attended		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Bound	95% Confidence Interval Bound
Did Not Attend	Attended 1 USA Day	-.067*	.022	.008	-.12	-.01
	Attended Multiple USA Days	-.073	.108	.780	-.35	.21
Attended 1 USA Day	Did Not Attend	.067*	.022	.008	.01	.12
	Attended Multiple USA Days	-.006	.109	.998	-.29	.28
Attended Multiple USA Days	Did Not Attend	.073	.108	.780	-.21	.35
	Attended 1 USA Day	.006	.109	.998	-.28	.29

*. The mean difference is significant at the 0.05 level.

2017 Cohort * Orientation * Multiple Comparisons

Dependent Variable:

Games-Howell

(I) Orientation Logistic		Mean Difference (I-J)			95% Confidence Interval Bound	95% Confidence Interval Bound
	May Orientation	-.119	.100	.986	-.47	.23
	Freshman Session 1	-.248*	.049	.000	-.41	-.09
	Freshman Session 2	-.147	.052	.180	-.32	.03
	Freshman Session 3	-.173*	.052	.045	-.34	.00
	Freshman Session 4	-.176*	.052	.037	-.35	-.01
	Freshman Session 5	-.169	.052	.057	-.34	.00
	Freshman Session 6	-.093	.055	.868	-.27	.09
	Freshman Session 7	-.025	.055	1.000	-.21	.16
	Freshman Session 8	-.078	.056	.966	-.26	.11
	Freshman Session 9	-.045	.057	1.000	-.23	.14
	Freshman Session 10	-.010	.060	1.000	-.21	.19
	August/Transfer/Unknown Orientation	.248*	.049	.000	.09	.41
	May Orientation	.128	.093	.959	-.21	.46
	Freshman Session 2	.101	.039	.280	-.03	.23
	Freshman Session 3	.075	.038	.707	-.05	.20
	Freshman Session 4	.072	.038	.764	-.05	.20
	Freshman Session 5	.078	.038	.660	-.05	.20
	Freshman Session 6	.155*	.042	.013	.02	.29
	Freshman Session 7	.222*	.042	.000	.08	.36
	Freshman Session 8	.170*	.044	.008	.02	.32
	Freshman Session 9	.203*	.045	.001	.05	.35
	Freshman Session 10	.237*	.048	.000	.08	.40

2017 Freshman Cohort Retention Report ANOVA Tables

2017 Cohort * Number of At Risk Midterm Grades * Multiple Comparisons

Dependent Variable:

Games-Howell

(I) Number At Risk Midterm Grades in Fall 2017	Mean Difference (I-J)	Std. Error	Sig.	Bound	Bound
1 At Risk MT Grade	.106*	.024	.000	.04	.17
2 At Risk MT Grades	.185*	.034	.000	.09	.28
3 At Risk MT Grades	.342*	.050	.000	.20	.48
4 or More At Risk MT Grades	.601*	.041	.000	.49	.72
No At Risk MT Grades	-.106*	.024	.000	-.17	-.04
2 At Risk MT Grades	.079	.039	.255	-.03	.19
3 At Risk MT Grades	.236*	.053	.000	.09	.38
4 or More At Risk MT Grades	.495*	.045	.000	.37	.62
No At Risk MT Grades	-.185*	.034	.000	-.28	-.09
1 At Risk MT Grade	-.079	.039	.255	-.19	.03
3 At Risk MT Grades	.157	.059	.062	.00	.32
4 or More At Risk MT Grades	.416*	.051	.000	.28	.56
No At Risk MT Grades	-.342*	.050	.000	-.48	-.20
1 At Risk MT Grade	-.236*	.053	.000	-.38	-.09
2 At Risk MT Grades	-.157	.059	.062	-.32	.00
4 or More At Risk MT Grades	.259*	.063	.001	.09	.43
No At Risk MT Grades	-.601*	.041	.000	-.72	-.49
1 At Risk MT Grade	-.495*	.045	.000	-.62	-.37
2 At Risk MT Grades	-.416*	.051	.000	-.56	-.28
3 At Risk MT Grades	-.259*	.063	.001	-.43	-.09

Tables2017.Con5 /P < .Grades

2017 Freshman Cohort Retention Report ANOVA Tables

				Bound	Bound
6.5-12 hours	-.094	.047	.358	-.23	.04
12.5-18 hours	-.158*	.042	.003	-.28	-.04
18.5-24 hours	-.643*	.043	.000	-.77	-.52
24.5-30 hours	-.793*	.028	.000	-.87	-.71
30.5 or more hours	-.870*	.025	.000	-.94	-.80
0-6 hours	.094	.047	.358	-.04	.23
12.5-18 hours	-.064	.054	.840	-.22	.09
18.5-24 hours	-.550*	.054	.000	-.70	-.39
24.5-30 hours	-.699*	.043	.000	-.83	-.57
30.5 or more hours	-.777*	.041	.000	-.90	-.66
0-6 hours	.158*	.042	.003	.04	.28
6.5-12 hours	.064	.054	.840	-.09	.22
18.5-24 hours	-.486*	.050	.000	-.63	-.34
24.5-30 hours	-.635*	.038	.000	-.74	-.53
30.5 or more hours	-.713*	.036	.000	-.82	-.61
0-6 hours	.643*	.043	.000	.52	.77
6.5-12 hours	.550*	.054	.000	.39	.70
12.5-18 hours	.486*	.050	.000	.34	.63
24.5-30 hours	.043 -.150*	.038	.002	[illegible]	[illegible]

2017 Freshman Cohort Retention Report ANOVA Tables

				Bound	Bound
2.01-2.5	-.494*	.039	.000	-.60	-.39
2.51-3.0	-.548*	.033	.000	-.64	-.46
3.01-3.5	-.603*	.030	.000	-.68	-.52
3.51-4.0	-.633*	.028	.000	-.71	-.56
2.0 or lower	.494*	.039	.000	.39	.60
2.51-3.0	-.054	.037	.589	-.16	.05
3.01-3.5	-.110*	.034	.014	-.20	-.02
3.51-4.0	-.140*	.033	.000	-.23	-.05
2.0 or lower	.548*	.033	.000	.46	.64.15
2.01-2.5	.054	.037	.589	-.05	.16
3.01-3.5	-.055	.027	.235	-.13	.02
3.51-4.0	-.086*	.025	.005	-.15	-.02
2.0 or lower	.603*	.030	.000	.52	.68
2.01-2.5	.110*	.034	.014	.02	.20
2.51-3.0	.055	.027	.235	-.02	.13
3.51-4.0	-.030	.021	.586	-.09	.03
2.0 or lower	.633*	.028	.000	.56	.71
2.01-2.5	.140*	.033	.000	.05	.23
2.51-3.0	.086*	.025	.005	.02	.15

2017 Freshman Cohort Retention Report Logistic Regression Tables

2017 Cohort * Input Model Classification Table [a]

Observed			Predicted		
			Retention		Percentage Correct
			No	Yes	
Step 1	One-Year Retention	No	0	458	0.0
		Yes	0	1354	100.0
	Overall Percentage				74.7
Step 2	One-Year Retention	No	10	448	2.2
		Yes	10	1344	99.3
	Overall Percentage				74.7
Step 3	One-Year Retention	No	9	449	2.0
		Yes	9	1345	99.3
	Overall Percentage				74.7
Step 4	One-Year Retention	No	9	449	2.0
		Yes	9	1345	99.3
	Overall Percentage				74.7

a. The cut value is .500

2017 Cohort * Input Model Final Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)	EXP(B)	
								Lower	Upper
Step 4[d]	Multiracial			4.173	6	.653			
	African-American	.231	.294	.616	1	.432	1.259	.708	2.240
	Asian	20.094	6848.5	.000	1	.998	533057388	0.000	
	Hispanic	-.059	.366	.026	1	.872	.943	.460	1.932
	Non-Resident Alien	.773	.726	1.132	1	.287	2.165	.522	8.987
	Other	.409	.468	.764	1	.382	1.506	.602	3.768
	White	.016	.273	.003	1	.953	1.016	.595	1.737
	19 years old			9.483	3	.024			
	17 years or younger	.993	.335	8.776	1	.003	2.699	1.399	5.206
	18 years old	.431	.216	3.966	1	.046	1.539	1.007	2.352
	20 years or older	.876	.614	2.040	1	.153	2.402	.722	7.998
	HS GPA 3.0 or lower			43.133	2	.000			
	HS GPA 3.01-3.5	.425	.168	6.429	1	.011	1.530	1.101	2.125
	HS GPA 3.51-4.0	1.038	.168	38.228	1	.000	2.823	2.032	3.923
	ACT Composite 19 or lower			13.959	6	.030			
	ACT Composite 20-21	-.260	.175	2.215	1	.137	.771	.547	1.086
	ACT Composite 22-23	-.157	.186	.714	1	.398	.855	.594	1.230
	ACT Composite 24-25	.240	.206	1.357	1	.244	1.271	.849	1.904
	ACT Composite 26-27	.288	.250	1.330	1	.249	1.334	.818	2.175
	ACT Composite 28-29	-.117	.256	.209	1	.647	.890	.539	1.468
	ACT Composite 30 or higher	.403	.273	2.186	1	.139	1.497	.877	2.555
	Constant	-.151	.365	.172	1	.679	.860		

a. Variable(s) entered on step 1: High School GPA.

b. Variable(s) entered on step 2: Age.

c. Variable(s) entered on step 3: Race/Ethnicity.

d. Variable(s) entered on step 4: ACT Composite score.

2017 Freshman Cohort Retention Report Logistic Regression Tables

		No	Yes	
	No	35	423	7.6
	Yes	36	1318	97.3
				74.7
	No	55	403	12.0
	Yes	50	1304	96.3
				75.0

a. The cut value is .500

2017 Freshman Cohort Retention Report Logistic Regression Tables

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								Lower	Upper
Step 2[b]	Multiracial								
	African-American	.430	.300	2.048	1	.152	1.537	.853	2.768
	Asian	20.060	6734.5	.000	1	.998	514994730	0.000	
	Hispanic	-.057	.374	.023	1	.879	.945	.454	1.966
	Non-Resident Alien	1.225	.756	2.623	1	.105	3.404	.773	14.989
	Other	.369	.475	.603	1	.437	1.446	.570	3.668
	White	-.118	.280	.177	1	.674	.889	.514	1.538
	19 years old			9.774	3	.021			
	17 years or younger	.943	.341	7.643	1	.006	2.569	1.316	5.015
	18 years old	.324	.223	2.116	1	.146	1.383	.893	2.141
	20 years or older	1.164	.623	3.490	1	.062	3.203	.944	10.860
	HS GPA 3.0 or lower			35.237	2	.000			
	HS GPA 3.01-3.5	.397	.172	5.307	1	.021	1.487	1.061	2.083
	HS GPA 3.51-4.0	.962	.172	31.302	1	.000	2.618	1.869	3.667
	ACT Composite 19 or lower			14.973	6	.020			
	ACT Composite 20-21	-.311	.179	3.024	1	.082	.733	.516	1.040
	ACT Composite 22-23	-.134	.190	.501	1	.479	.874	.603	1.268
	ACT Composite 24-25	.215	.211	1.039	1	.308	1.240	.820	1.875
	ACT Composite 26-27	.273	.255	1.141	1	.285	1.313	.796	2.166
	ACT Composite 28-29	-.205	.263	.610	1	.435	.814	.487	1.363
	ACT Composite 30 or higher	.429	.279	2.359	1	.125	1.535	.888	2.654
	August/Other Orientation			30.826	11	.001			
	May Orientation	.787	.615	1.639	1	.200	2.198	.658	7.336
	Freshman Session 1	1.146	.323	12.629	1	.000	3.146	1.672	5.921
	Freshman Session 2	.462	.289	2.554	1	.110	1.587	.901	2.797
	Freshman Session 3	.744	.300	6.140	1	.013	2.105	1.168	3.792
	Freshman Session 4	.721	.298	5.852	1	.016	2.057	1.147	3.690
	Freshman Session 5	.684	.297	5.303	1	.021	1.982	1.107	3.547
	Freshman Session 6	.275	.285	.925	1	.336	1.316	.752	2.302
	Freshman Session 7	.081	.274	.087	1	.768	1.084	.634	1.854
	Freshman Session 8	.398	.291	1.873	1	.171	1.488	.842	2.631
	Freshman Session 9	.133	.287	.215	1	.643	1.142	.651	2.005
	Freshman Session 10	.000	.292	.000	1	1.000	1.000	.564	1.774
	Participated in Greek Life	1.102	.205	28.879	1	.000	3.011	2.014	4.500
	Constant	-.510	.423	1.454	1	.228	.600		

a. Variable(s) entered on step 1: Greek Life Participation.

b. Variable(s) entered on step 2: Orientation Session Attended.