
Retention / Attrition Analysis

SOUTHERN ARKANSAS UNIVERSITY

Code: 0142

Fall 2016 Freshmen Fall 2017 2nd Year



Retention / Attrition Analysis
 Overview of High School GPA, College GPA, and ACT Composite

High School GPA	College GPA																	
	3.5-4.0 or higher			3.0-3.4			2.5-2.9			2.0-2.4			Less Than 2.0			Total		
	N	%	ACT Avg	N	%	ACT Avg	N	%	ACT Avg	N	%	ACT Avg	N	%	ACT Avg	N	%	ACT Avg
Enrolled Freshmen Fall 2016-2017																		
3.50-4.00	131	17%	24.0	91	12%	22.3	47	6%	21.4	22	3%	20.6	22	3%	22.2	313	40%	22.7
3.00-3.49	36	5%	21.0	58	7%	19.9	49	6%	19.4	28	4%	19.9	41	5%	19.1	212	27%	19.8
2.50-2.99	9	1%	18.7	26	3%	18.9	28	4%	18.4	20	3%	19.7	36	5%	19.6	119	15%	19.1
2.00-2.49	5	1%	21.0	4	1%	17.5	10	1%	17.6	9	1%	18.6	10	1%	18.4	38	5%	18.5
Less Than 2.00	0	0%	0.0	1	0%	13.0	2	0%	27.0	2	0%	18.0	3	0%	15.3	8	1%	18.6
Total	191	24%	22.8	203	26%	20.7	153	20%	20.0	97	12%	19.7	138	18%	19.6	782	100%	20.8
Enrolled 2nd Year Fall 2017-2018																		
3.50-4.00	121	23%	24.2	78	15%	22.6	35	7%	21.5	11	2%	20.4	7	1%	22.7	252	48%	23.1
3.00-3.49	29	6%	21.1	47	9%	20.3	33	6%	18.9	12	2%	20.6	12	2%	18.8	133	25%	20.0
2.50-2.99	5	1%	18.4	14	3%	18.8	21	4%	18.9	10	2%	21.2	8	2%	19.0	58	11%	19.2
2.00-2.49	3	1%	22.7	3	1%	17.7	9	2%	17.7	6	1%	17.3	2	0%	19.0	23	4%	18.3
Less Than 2.00	0	0%	0.0	0	0%	0.0	1	0%	28.0	1	0%	20.0	0	0%	0.0	2	0%	24.0
Total	164	31%	23.3	161	31%	21.1	112	21%	20.0	50	10%	19.8	37	7%	19.3	524	100%	21.3
Nonreturning																		
3.50-4.00	10	4%	21.2	13	5%	21.0	12	5%	21.1	11	4%	20.9	15	6%	21.9	61	24%	21.3
3.00-3.49	7	3%	20.6	11	4%	18.5	16	6%	20.6	16	6%	19.3	29	11%	19.3	79	31%	19.6
2.50-2.99	4	2%	19.0	12	5%	19.1	7	3%	17.0	10	4%	18.2	28	11%	19.8	61	24%	19.0
2.00-2.49	2	1%	18.5	1	0%	17.0	1	0%	17.0	3	1%	21.0	8	3%	18.3	15	6%	18.7
Less Than 2.00	0	0%	0.0	1	0%	13.0	1	0%	26.0	1	0%	16.0	3	1%	15.3	6	2%	16.8
Total	27	10%	19.7	42	16%	19.2	41	16%	20.1	47	18%	19.6	101	39%	19.7	258	100%	19.7

**Table 1A (Student Counts and ACT Averages)
Retention / Attrition Analysis
Academic Characteristics
2nd Year Returning Students**

Variable	Enrolled Freshmen Fall 2016-2017						Enrolled in 2nd Year Fall 2017-2018						Nonreturning					
	Total		Core		Less than core		Total		Core		Less than core		Total		Core		Less than core	
	N	Avg	N	Avg	N	Avg	N	Avg	N	Avg	N	Avg	N	Avg	N	Avg	N	Avg
Total	782	20.8	679	21.1	65	18.5	524	21.3	465	21.6	36	18.9	258	19.7	214	20.0	29	18.1
Male	383	20.9	332	21.2	29	19.1	242	21.5	213	21.7	16	19.6	141	19.9	119	20.2	13	18.5
Female	399	20.6	347	21.1	36	18.0	282	21.1	252	21.6	20	18.3	117	19.4	95	19.8	16	17.8
Freshman GPA																		
3.5-4.0 or higher	191	22.8	171	23.2	13	20.9	164	23.3	149	23.6	11	21.4	27	19.7	22	20.4	2	18.5
3.0-3.4	203	20.7	178	21.1	15	18.4	161	21.1	141	21.5	12	18.3	42	19.2	37	19.5	3	18.7
2.5-2.9	153	20.0	136	20.2	11	17.1	112	20.0	100	20.1	7	16.9	41	20.1	36	20.4	4	17.5
2.0-2.4	97	19.7	83	20.1	11	17.6	50	19.8	44	20.2	4	17.3	47	19.6	39	19.9	7	17.9
less than 2.0	138	19.6	111	20.0	15	18.2	37	19.3	31	19.9	2	18.5	101	19.7	80	20.1	13	18.2
Rank in H.S. Class																		
Top Quarter	306	22.6	292	22.7	14	21.9	243	23.1	231	23.1	12	22.2	63	20.9	61	20.9	2	20.0
2nd Quarter	223	20.4	202	20.6	19	17.8	143	20.4	131	20.6	11	17.5	80	20.4	71	20.6	8	18.4
Bottom Half	141	18.4	116	18.6	22	17.4	73	18.6	64	18.8	7	17.7	68	18.2	52	18.5	15	17.3
H.S. GPA																		
3.5-4.0	313	22.7	299	22.9	14	19.2	252	23.1	241	23.3	11	18.9	61	21.3	58	21.3	3	20.3
3.0-3.4	212	19.8	192	20.0	20	18.5	133	20.0	120	20.1	13	19.1	79	19.6	72	19.8	7	17.4
2.5-2.9	119	19.1	107	19.3	12	17.8	58	19.2	53	19.4	5	17.8	61	19.0	54	19.2	7	17.7
2.0-2.4	38	18.5	28	18.6	10	18.2	23	18.3	21	18.2	2	19.5	15	18.7	7	19.6	8	17.9
less than 2.0	8	18.6	7	18.4	1	20.0	2	24.0	1	28.0	1	20.0	6	16.8	6	16.8	0	0.0
Score Ranges																		
33-36	1	33.0	1	33.0	0	0.0	1	33.0	1	33.0	0	0.0	0	0.0	0	0.0	0	0.0
28-32	45	29.5	42	29.5	1	29.0	40	29.6	37	29.5	1	29.0	5	29.0	5	29.0	0	0.0
24-27	167	25.1	159	25.1	4	25.0	123	25.2	117	25.2	3	25.3	44	25.0	42	25.0	1	24.0
20-23	239	21.3	217	21.3	17	21.1	169	21.3	156	21.4	10	21.2	70	21.2	61	21.2	7	20.9
16-19	276	17.5	227	17.5	34	17.4	160	17.5	135	17.6	18	17.2	116	17.4	92	17.4	16	17.7
1-15	54	14.1	33	14.5	9	13.7	31	14.0	19	14.6	4	13.0	23	14.1	14	14.3	5	14.2

Table 1B (Student Counts and Percentages)
Retention / Attrition Analysis
Academic Characteristics
2nd Year Returning Students

Variable	Enrolled Freshmen Fall 2016-2017						Enrolled in 2nd Year Fall 2017-2018						Nonreturning					
	Total		Core		Less than core		Total		Core		Less than core		Total		Core		Less than core	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Total	782	100%	679	87%	65	8%	524	67%	465	89%	36	7%	258	33%	214	83%	29	11%
Male	383	49%	332	87%	29	8%	242	46%	213	88%	16	7%	141	55%	119	84%	13	9%
Female	399	51%	347	87%	36	9%	282	54%	252	89%	20	7%	117	45%	95	81%	16	14%
Freshman GPA																		
3.5-4.0 or higher	191	24%	171	90%	13	7%	164	31%	149	91%	11	7%	27	10%	22	81%	2	7%
3.0-3.4	203	26%	178	88%	15	7%	161	31%	141	88%	12	7%	42	16%	37	88%	3	7%
2.5-2.9	153	20%	136	89%	11	7%	112	21%	100	89%	7	6%	41	16%	36	88%	4	10%
2.0-2.4	97	12%	83	86%	11	11%	50	10%	44	88%	4	8%	47	18%	39	83%	7	15%
less than 2.0	138	18%	111	80%	15	11%	37	7%	31	84%	2	5%	101	39%	80	79%	13	13%
Rank in H.S. Class																		
Top Quarter	306	39%	292	95%	14	5%	243	46%	231	95%	12	5%	63	24%	61	97%	2	3%
2nd Quarter	223	29%	202	91%	19	9%	143	27%	131	92%	11	8%	80	31%	71	89%	8	10%
Bottom Half	141	18%	116	82%	22	16%	73	14%	64	88%	7	10%	68	26%	52	76%	15	22%
H.S. GPA																		
3.5-4.0	313	40%	299	96%	14	4%	252	48%	241	96%	11	4%	61	24%	58	95%	3	5%
3.0-3.4	212	27%	192	91%	20	9%	133	25%	120	90%	13	10%	79	31%	72	91%	7	9%
2.5-2.9	119	15%	107	90%	12	10%	58	11%	53	91%	5	9%	61	24%	54	89%	7	11%
2.0-2.4	38	5%	28	74%	10	26%	23	4%	21	91%	2	9%	15	6%	7	47%	8	53%
less than 2.0	8	1%	7	88%	1	13%	2	0%	1	50%	1	50%	6	2%	6	100%	0	0%
Score Ranges																		
33-36	1	0%	1	100%	0	0%	1	0%	1	100%	0	0%	0	0%	0	0%	0	0%
28-32	45	6%	42	93%	1	2%	40	8%	37	93%	1	3%	5	2%	5	100%	0	0%
24-27	167	21%	159	95%	4	2%	123	23%	117	95%	3	2%	44	17%	42	95%	1	2%
20-23	239	31%	217	91%	17	7%	169	32%	156	92%	10	6%	70	27%	61	87%	7	10%
16-19	276	35%	227	82%	34	12%	160	31%	135	84%	18	11%	116	45%	92	79%	16	14%
1-15	54	7%	33	61%	9	17%	31	6%	19	61%	4	13%	23	9%	14	61%	5	22%

Table 2A (Student Counts and ACT Averages)
Retention / Attrition Analysis
Demographic Data & College Choices
2nd Year Returning Students

Variable	Enrolled Freshmen Fall 2016-2017						Enrolled in 2nd Year Fall 2017-2018						Nonreturning					
	Total N	Avg	Core N	Core Avg	Less than core N	Less than core Avg	Total N	Avg	Core N	Core Avg	Less than core N	Less than core Avg	Total N	Avg	Core N	Core Avg	Less than core N	Less than core Avg
Total	782	20.8	679	21.1	65	18.5	524	21.3	465	21.6	36	18.9	258	19.7	214	20.0	29	18.1
College Choices																		
Choice 1	270	21.0	240	21.3	29	18.0	193	21.5	177	21.7	15	18.4	77	19.7	63	20.1	14	17.6
Choice 2	96	21.0	88	21.3	7	17.4	68	21.5	64	21.9	4	16.3	28	19.7	24	19.9	3	19.0
Choice 3-6	79	20.7	74	20.8	3	18.7	54	21.1	51	21.3	3	18.7	25	19.9	23	19.7	0	0.0
Supplemental/Other	317	20.8	277	21.0	26	19.3	197	21.5	173	21.6	14	20.1	120	19.8	104	20.1	12	18.3
Residual	20	15.8	0	0.0	0	0.0	12	15.8	0	0.0	0	0.0	8	15.9	0	0.0	0	0.0
In-State	357	20.9	322	21.2	33	18.2	256	21.4	238	21.6	18	18.2	101	19.7	84	20.0	15	18.1
Out-of-State	88	20.9	80	21.2	6	16.8	59	21.6	54	21.8	4	17.3	29	19.7	26	20.0	2	16.0
Family Income																		
Less than \$35,000	229	20.2	200	20.5	26	17.7	145	20.7	132	20.9	11	18.6	84	19.2	68	19.7	15	17.1
\$36,000-\$50,000	95	20.7	88	20.7	7	20.9	63	21.0	57	21.1	6	20.7	32	20.2	31	20.1	1	22.0
\$51,000-\$80,000	140	21.8	130	22.1	10	17.8	101	22.2	96	22.4	5	18.0	39	20.7	34	21.2	5	17.6
\$81,000-\$100,000	83	22.1	77	22.3	6	19.5	56	23.0	55	23.0	1	22.0	27	20.2	22	20.5	5	19.0
Over \$100,000	93	21.2	83	21.2	8	20.5	67	21.6	60	21.7	6	19.8	26	20.1	23	19.7	2	22.5
Ethnic Groups																		
Black/African American	183	18.2	153	18.4	26	16.8	112	18.5	96	18.7	14	16.9	71	17.7	57	17.9	12	16.6
Am. Indian/Alaska Native	8	21.9	7	22.6	1	17.0	3	22.3	3	22.3	0	0.0	5	21.6	4	22.8	1	17.0
White	487	21.9	450	22.0	32	19.7	335	22.3	314	22.5	19	19.9	152	20.8	136	20.9	13	19.4
Hispanic/Latino	26	19.8	25	19.8	1	19.0	18	19.9	18	19.9	0	0.0	8	19.5	7	19.6	1	19.0
Asian	2	24.0	1	16.0	0	0.0	1	32.0	0	0.0	0	0.0	1	16.0	1	16.0	0	0.0
Native HI/Pacific Islander	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Others	76	20.1	43	22.3	5	20.0	55	20.9	34	22.9	3	21.0	21	18.0	9	20.1	2	18.5
Planned to live																		
On-Campus	546	21.1	500	21.3	43	18.4	375	21.7	350	21.9	23	19.0	171	19.7	150	20.0	20	17.8
Seek Financial Aid	642	20.9	580	21.1	58	18.4	431	21.4	395	21.6	33	19.0	211	19.8	185	20.0	25	17.7
Plan to Work	535	20.9	484	21.1	46	18.7	357	21.4	327	21.5	27	19.3	178	19.9	157	20.1	19	17.9

Table 2B (Student Counts and Percentages)
Retention / Attrition Analysis
Demographic Data & College Choices
2nd Year Returning Students

Variable	Enrolled Freshmen Fall 2016-2017						Enrolled in 2nd Year Fall 2017-2018						Nonreturning					
	Total		Core		Less than core		Total		Core		Less than core		Total		Core		Less than core	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Total	782	100%	679	87%	65	8%	524	67%	465	89%	36	7%	258	33%	214	83%	29	11%
College Choices																		
Choice 1	270	35%	240	89%	29	11%	193	37%	177	92%	15	8%	77	30%	63	82%	14	18%
Choice 2	96	12%	88	92%	7	7%	68	13%	64	94%	4	6%	28	11%	24	86%	3	11%
Choice 3-6	79	10%	74	94%	3	4%	54	10%	51	94%	3	6%	25	10%	23	92%	0	0%
Supplemental/Other	317	41%	277	87%	26	8%	197	38%	173	88%	14	7%	120	47%	104	87%	12	10%
Residual	20	3%	0	0%	0	0%	12	2%	0	0%	0	0%	8	3%	0	0%	0	0%
In-State	357	46%	322	90%	33	9%	256	49%	238	93%	18	7%	101	39%	84	83%	15	15%
Out-of-State	88	11%	80	91%	6	7%	59	11%	54	92%	4	7%	29	11%	26	90%	2	7%
Family Income																		
Less than \$35,000	229	29%	200	87%	26	11%	145	28%	132	91%	11	8%	84	33%	68	81%	15	18%
\$36,000-\$50,000	95	12%	88	93%	7	7%	63	12%	57	90%	6	10%	32	12%	31	97%	1	3%
\$51,000-\$80,000	140	18%	130	93%	10	7%	101	19%	96	95%	5	5%	39	15%	34	87%	5	13%
\$81,000-\$100,000	83	11%	77	93%	6	7%	56	11%	55	98%	1	2%	27	10%	22	81%	5	19%
Over \$100,000	93	12%	83	89%	8	9%	67	13%	60	90%	6	9%	26	10%	23	88%	2	8%
Ethnic Groups																		
Black/African American	183	23%	153	84%	26	14%	112	21%	96	86%	14	13%	71	28%	57	80%	12	17%
Am. Indian/Alaska Native	8	1%	7	88%	1	13%	3	1%	3	100%	0	0%	5	2%	4	80%	1	20%
White	487	62%	450	92%	32	7%	335	64%	314	94%	19	6%	152	59%	136	89%	13	9%
Hispanic/Latino	26	3%	25	96%	1	4%	18	3%	18	100%	0	0%	8	3%	7	88%	1	13%
Asian	2	0%	1	50%	0	0%	1	0%	0	0%	0	0%	1	0%	1	100%	0	0%
Native HI/Pacific Islander	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
All Others	76	10%	43	57%	5	7%	55	10%	34	62%	3	5%	21	8%	9	43%	2	10%
Planned to live																		
On-Campus	546	70%	500	92%	43	8%	375	72%	350	93%	23	6%	171	66%	150	88%	20	12%
Seek Financial Aid	642	82%	580	90%	58	9%	431	82%	395	92%	33	8%	211	82%	185	88%	25	12%
Plan to Work	535	68%	484	90%	46	9%	357	68%	327	92%	27	8%	178	69%	157	88%	19	11%

Table 3
Retention / Attrition Analysis
ACT Score Averages by
High School Academic Course Preparation

Course Pattern	Enrolled Freshmen Fall 2016-2017			Enrolled in 2nd Year Fall 2017-2018			Nonreturning		
	N	Average Scores		N	Average Scores		N	Average Scores	
Total	782	Composite 20.8		524	Composite 21.3		258	Composite 19.7	
English		English	Composite		English	Composite		English	Composite
E 9, E 10, E 11, E 12, Speech	197	20.8	21.0	141	21.7	21.7	56	18.6	19.5
E 9, E 10, E 11, E 12	534	20.5	20.8	353	21.1	21.3	181	19.2	19.9
Less than 4 years English	13	21.0	21.5	7	22.7	22.6	6	19.0	20.3
No English Courses Reported	38	16.3	18.0	23	17.1	18.5	15	15.1	17.2
Mathematics		Mathematics	Composite		Mathematics	Composite		Mathematics	Composite
Alg 1, Alg 2, Geom, Trig, Calc	37	21.8	23.0	24	23.1	23.8	13	19.3	21.5
Alg 1, Alg 2, Geom, Trig, Other Math	80	20.9	21.7	61	21.0	22.0	19	20.6	20.9
Alg 1, Alg 2, Geom, Trig	28	20.3	20.8	16	21.3	21.6	12	18.9	19.7
Alg 1, Alg 2, Geom, Other Math	227	19.2	20.4	139	19.5	20.9	88	18.5	19.5
Alg 1, Alg 2, Geom	44	16.9	18.1	28	17.1	18.3	16	16.6	17.6
Other Combinations of 3 or more	320	20.7	21.3	232	21.1	21.7	88	19.8	20.2
Less than 3 years Math	9	16.4	17.6	2	15.5	17.0	7	16.7	17.7
No Math Courses Reported	37	18.1	18.0	22	18.7	18.6	15	17.1	17.2
Natural Science		Science	Composite		Science	Composite		Science	Composite
Gen Science, Biology, Chemistry, Physics	355	21.2	21.1	239	21.6	21.6	116	20.5	20.0
Biology, Chemistry, Physics	47	22.1	22.0	33	22.8	22.7	14	20.5	20.3

Table 4
Retention / Attrition Analysis
Summary Data for High Schools
with HIGHEST RATE of returning 2nd Year Students

High School	Fall 2016-2017 Freshmen			Returning Student Characteristics & Choice Patterns						
	N	2nd Yr N	Left Campus	First Choice Institution	Sure of Major	Completed Core Courses	Top Quarter Class	Income Below 36,000	ACT Composite < 17	ACT Composite > 25
WATSON CHAPEL HIGH SCHOOL	5	5	0	3	2	5	4	1	1	1
LAKE HAMILTON HIGH SCHOOL	5	5	0	1	2	4	1	2	0	0
GENOA CENTRAL HIGH SCHOOL	9	8	1	3	3	8	6	2	0	2
ARKADELPHIA HIGH SCHOOL	9	8	1	1	5	8	4	4	1	4
FOUKE HIGH SCHOOL	7	6	1	2	3	6	4	3	0	2
CROSSETT HIGH SCHOOL	7	6	1	2	5	5	3	2	1	2
PARKERS CHAPEL HIGH SCHOOL	13	11	2	3	2	11	5	3	2	3
REDWATER HIGH SCHOOL	10	8	2	2	2	8	5	3	0	2
QUEEN CITY HIGH SCHOOL	5	4	1	1	3	3	0	0	1	0
VILONIA HIGH SCHOOL	5	4	1	1	2	4	1	1	1	0
PRESCOTT HIGH SCHOOL	5	4	1	2	3	4	2	0	2	0
HORATIO HIGH SCHOOL	10	8	2	0	1	8	4	1	1	1
DE QUEEN HIGH SCHOOL	5	4	1	3	2	4	3	1	0	1
SMACKOVER HIGH SCHOOL	14	11	3	4	3	9	7	2	1	3
TAYLOR HIGH SCHOOL	9	7	2	6	1	7	5	4	0	1
JUNCTION CITY HIGH SCHOOL	9	7	2	4	2	7	6	4	1	0
ATLANTA HIGH SCHOOL	13	10	3	4	7	9	4	3	2	1
WHITE HALL HIGH SCHOOL	8	6	2	2	3	6	1	2	0	0
HAMBURG HIGH SCHOOL	12	9	3	2	4	8	4	3	2	0
BENTON SR HS	8	6	2	1	2	5	1	2	1	0
MAGNOLIA HIGH SCHOOL	78	58	20	27	25	52	17	22	12	7
ARKANSAS HIGH SCHOOL	11	8	3	3	4	8	3	2	2	1
CABOT HIGH SCHOOL	18	12	6	3	7	12	5	3	0	1
ASHDOWN HIGH SCHOOL	14	9	5	3	5	9	6	2	0	2
NO LONGER IN HIGH SCHOOL	19	12	7	12	1	1	0	0	9	0

