

Course Placement Service Report



SOUTHERN ARKANSAS UNIVERSITY (0142)
Magnolia, AR

Placement Group: OUT-OF-STATE

Subject Area: Science

Data Cohort: 20152016

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Course Placement Report

Information for Making Placement Decisions

Placement Group: OUT-OF-STATE

Summary of Placement Variables

This table summarizes the placement variables used in requested analyses for each reference course. The table shows number of students, mean value, and standard deviation.

The descriptive statistics for course completers are based on students who receive A-F grades. However, if you chose to treat W grades as unsuccessful outcomes, the statistics will also include students with W grades.

		OUT-OF-STATE			Students who completed course		
Reference course	Placement variable	N	Mean	SD	N	Mean	SD
BIO/PHYS SCI & LAB	ACT Science Score	182	20.4	4.5	24	23.1	3.6
	High School Natural Science Grade Avg	146	3.3	0.7	20	3.6	0.4
	ACT Science Score and High School Natural Science Grade Avg	146	20.9 3.3	4.3 0.7	20	23.1 3.6	3.0 0.4

Summary of Course Outcomes

This table summarizes the course outcomes used in requested analyses for each reference course.

The table shows number of students, mean course grade, standard deviation, percent B or higher, percent C or higher, total of just W and I grades, and W grades not treated as successful.

		Grades used in analysis						
Reference course	Placement variable	N	Mean	SD	Percent B or higher	Percent C or higher	Total of W and I grades	W grades treated as not successful
BIO/PHYS SCI & LAB	ACT Science Score	24	2.2	1.4	46	71	1	Yes
	High School Natural Science Grade Avg	20	2.3	1.3	45	75	1	Yes
	ACT Science Score and High School Natural Science Grade Avg	20	2.3	1.3	45	75	1	Yes

Chance of Success in BIO/PHYS SCI & LAB, Given ACT Science Score

*Chance of success tables/graphs and placement information tables are not reported if there are fewer than 40 observations.
(24 observations were provided.)*

Chance of Success in BIO/PHYS SCI & LAB, Given High School Natural Science Grade Avg

*Chance of success tables/graphs and placement information tables are not reported if there are fewer than 40 observations.
(20 observations were provided.)*

Chance of Success in BIO/PHYS SCI & LAB, Given ACT Science Score and High School Natural Science Grade Avg

*Chance of success tables/graphs and placement information tables are not reported if there are fewer than 40 observations.
(20 observations were provided.)*

Logistic Regression Weights and Correlations

This table contains the estimated logistic regression weights used to calculate the chances of success in each course. The weights associated with each set of placement variables 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 placement variables and course grades also is listed.

		B or higher		C or higher		
Course	Placement variable(s)	Logistic regression weight	P-value	Logistic regression weight	P-value	Correlation
BIO/PHYS SCI & LAB	Intercept					
	ACT Science Score					
	Intercept					
	High School Natural Science Grade Avg					
	Intercept					
	ACT Science Score and High School Natural Science Grade Avg					