

Course Placement Service Report



SOUTHERN ARKANSAS UNIVERSITY (0142)
Magnolia, AR

Placement Group: FULL TIME

Subject Area: English

Data Cohort: 20142015

Date of Report: August 10, 2016

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Course Placement Report

Information for Making Placement Decisions

Placement Group: FULL TIME

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.

Reference course	Placement variable	FULL TIME			Students who completed course		
		N	Mean	SD	N	Mean	SD
COMPOSITION I	ACT English Score	644	20.7	5.3	308	19.8	4.4
	High School English Grade Average	585	3.4	0.6	284	3.2	0.7
	ACT English Score and High School English Grade Average	585	21.0 3.4	5.2 0.6	284	20.0 3.2	4.3 0.7

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
COMPOSITION I	ACT English Score	308	2.7	1.1	69	86	7	Yes
	High School English Grade Average	284	2.7	1.1	71	87	5	Yes
	ACT English Score and High School English Grade Average	284	2.7	1.1	71	87	5	Yes

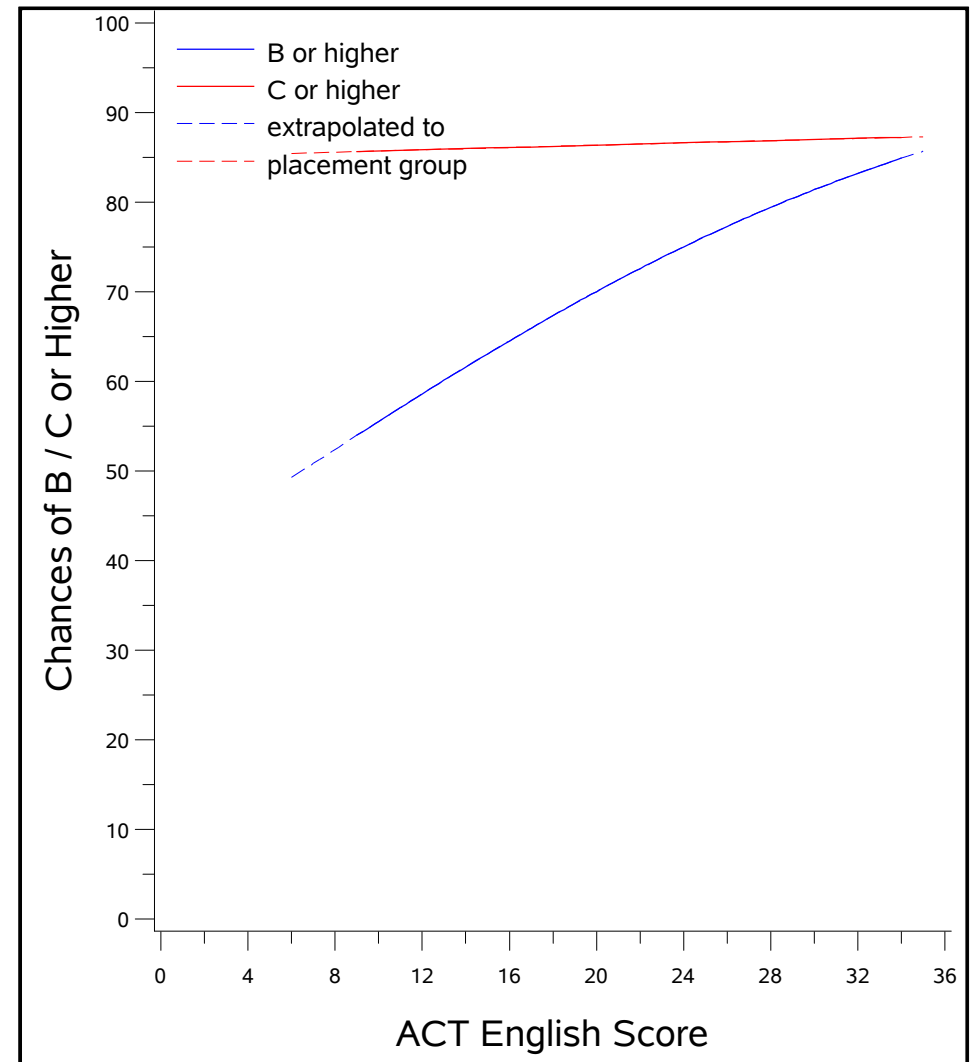
This table and graph report students' chances of achieving a B / C or higher in COMPOSITION I, given their ACT English Score. For example, the chance that a student with an ACT English Score of 21 would obtain a B or higher in COMPOSITION I is 71%.

If present, the boldface scores labeled as Opt. B and Opt. C in the table show the cutoff scores that are associated with the maximum accuracy rate. The information in the table and graph can be used to advise students about their chances of success in COMPOSITION I.

**Chance of Success in COMPOSITION I,
Given ACT English Score**

ACT English Score		Chance of success (B or higher)	Chance of success (C or higher)
	35	86	87
	34	85	87
	33	84	87
	32	83	87
	31	82	87
	30	81	87
	29	80	87
	28	79	87
	27	78	87
	26	77	87
	25	76	87
	24	75	87
	23	74	87
	22	73	87
	21	71	86
	20	70	86
	19	69	86
	18	67	86
	17	66	86
	16	65	86
	15	63	86
	14	62	86
	13	60	86
	12	59	86
	11	57	86
	10	56	86
	9	54	86
Opt. B	7	51	86
	6	49	85

**Chance of Success in COMPOSITION I,
Given ACT English Score**



Note: The chances of success for one or both criteria are all above or below 50%. No optimal cutoff score exists.

Placement Information for COMPOSITION I Using ACT English Score

This table shows the effects of using different ACT English Score cutoffs in COMPOSITION I. For example, if you were to require students to have an ACT English Score of at least 21 to be placed into COMPOSITION I, then you would expect:

- about 49% of your students would be placed in a lower-level course
- about 56% of your placement decisions would be correct
- about 76% of those placed in COMPOSITION I would obtain a B or higher

ACT English Score			B or higher		C or higher	
		Percent placed in lower-level course	Accuracy rate	Success rate	Accuracy rate	Success rate
	35	99	30	86	14	87
	34	98	31	85	15	87
	33	98	31	85	15	87
	32	97	32	84	16	87
	31	95	33	84	17	87
	30	94	34	83	18	87
	29	92	35	82	20	87
	28	89	36	82	22	87
	27	87	38	81	23	87
	26	83	40	80	26	87
	25	78	42	79	29	87
	24	71	46	78	35	87
	23	66	48	78	39	87
	22	58	52	77	45	87
	21	49	56	76	51	87
	20	40	59	75	57	87
	19	35	61	74	61	87
	18	28	64	74	66	87
	17	25	65	73	69	87
	16	18	67	73	73	87
	15	11	69	72	79	86
	14	8	69	72	81	86
	13	5	70	71	83	86
	12	3	70	71	84	86
	11	2	70	71	85	86
	10	1	70	71	86	86
	9	0	70	71	86	86
Opt. B	7	0	70	71	86	86
	6		70	70	86	86

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

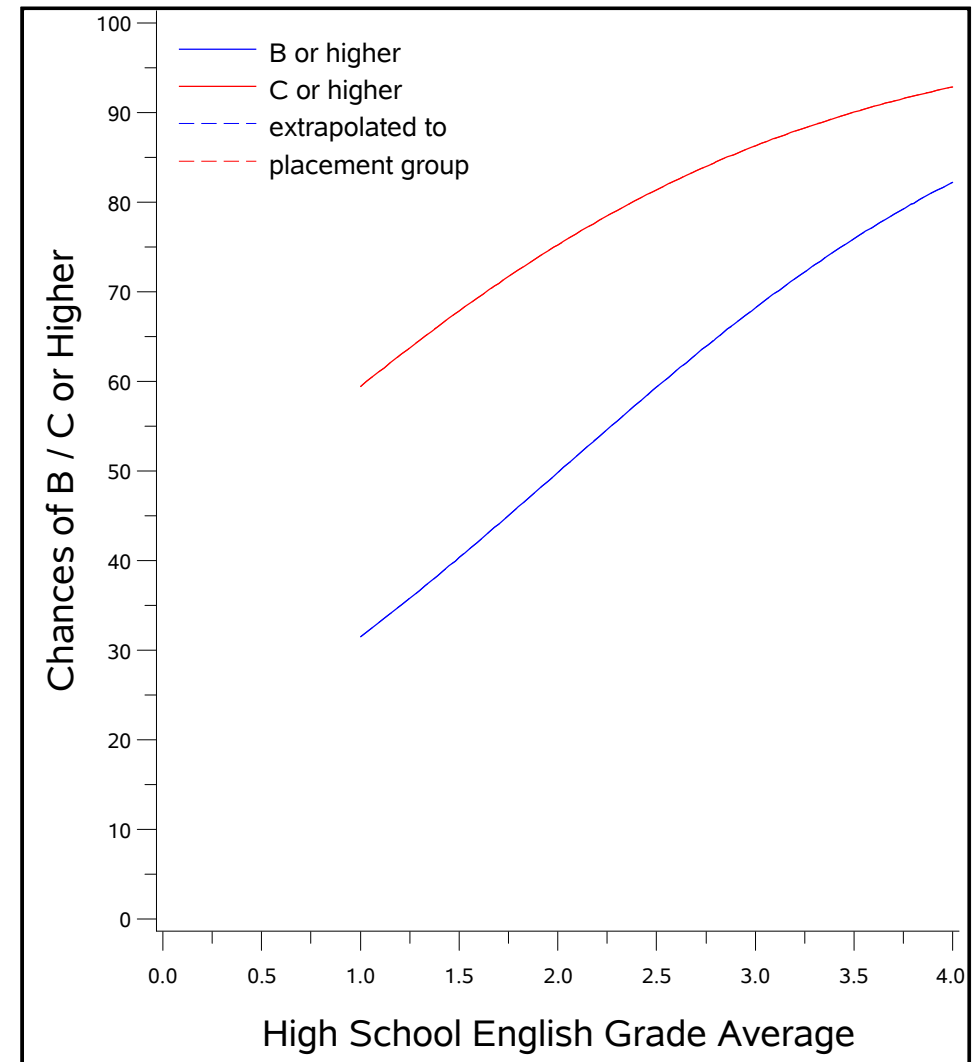
This table and graph report students' chances of achieving a B / C or higher in COMPOSITION I, given their High School English Grade Average. For example, the chance that a student with a High School English Grade Average of 2.5 would obtain a B or higher in COMPOSITION I is 59%.

If present, the boldface scores labeled as Opt. B and Opt. C in the table show the cutoff scores that are associated with the maximum accuracy rate. The information in the table and graph can be used to advise students about their chances of success in COMPOSITION I.

**Chance of Success in COMPOSITION I,
Given High School English Grade Average**

High School English Grade Average		Chance of success (B or higher)	Chance of success (C or higher)
Opt. B	4.0	82	93
	3.8	80	92
	3.7	79	91
	3.6	77	91
	3.5	76	90
	3.4	75	89
	3.3	73	89
	3.2	71	88
	3.0	68	86
	2.8	65	84
	2.7	63	84
	2.5	59	81
	2.3	56	79
	2.0	50	75
Opt. C	1.8	46	72
	1.7	44	71
	1.5	40	68
	1.0	32	59

**Chance of Success in COMPOSITION I,
Given High School English Grade Average**



Placement Information for COMPOSITION I Using High School English Grade Average

This table shows the effects of using different High School English Grade Average cutoffs in COMPOSITION I. For example, if you were to require students to have a High School English Grade Average of at least 2.5 to be placed into COMPOSITION I, then you would expect:

- about 10% of your students would be placed in a lower-level course
- about 73% of your placement decisions would be correct
- about 76% of those placed in COMPOSITION I would obtain a B or higher

High School English Grade Average			B or higher		C or higher	
		Percent placed in lower-level course	Accuracy rate	Success rate	Accuracy rate	Success rate
	4.0	66	49	82	41	93
	3.8	62	51	82	44	93
	3.7	54	56	81	51	93
	3.6	54	56	81	51	93
	3.5	47	59	81	56	92
	3.4	46	60	81	57	92
	3.3	35	65	79	66	92
	3.2	35	65	79	66	92
	3.0	19	71	77	77	91
	2.8	18	71	77	78	90
	2.7	13	72	76	81	90
Opt. B	2.5	10	73	76	83	90
	2.3	6	73	75	86	89
	2.0	2	73	74	87	89
	1.8	2	73	74	88	89
	1.7	1	73	73	88	88
Opt. C	1.5	0	73	73	88	88
	1.3	0	73	73	88	88
	1.0		73	73	88	88

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

Chance of a B or Higher in COMPOSITION I, Given ACT English Score and High School English Grade Average

The matrix reports students' chances of achieving a B or higher in COMPOSITION I, given their ACT English Score and High School English Grade Average. For example, the chance that a student with an ACT English Score of 17 and a High School English Grade Average of 2.2 would obtain a B or higher in COMPOSITION I is 53%.

If present, the dark gold area shows the combinations of ACT English Score and High School English Grade Average values that are at or near a 50% chance level. The combinations that maximize the percentage of correct placement decisions (accuracy rate) always correspond to a chance of 50%.

High School English Grade Average

4.0	76	77	77	77	78	78	78	79	79	79	79	80	80	80	81	81	81	81	82	82	82	82	83	83	83	83	84	84	84	84	85	85	85	85	85	86
3.9	75	75	76	76	76	77	77	77	78	78	78	79	79	79	79	80	80	80	81	81	81	81	82	82	82	82	83	83	83	83	84	84	84	84	85	85
3.8	74	74	74	75	75	75	76	76	76	77	77	77	78	78	78	79	79	79	80	80	80	80	81	81	81	82	82	82	82	83	83	83	83	84	84	
3.7	72	73	73	73	74	74	74	75	75	75	76	76	76	77	77	78	78	78	79	79	79	79	80	80	80	80	81	81	81	81	82	82	82	83	83	
3.6	71	71	71	72	72	73	73	73	74	74	74	75	75	75	76	76	77	77	77	77	78	78	78	79	79	79	80	80	80	80	81	81	81	81	82	
3.5	69	70	70	70	71	71	71	72	72	72	73	73	74	74	74	75	75	75	76	76	76	77	77	77	78	78	78	79	79	79	79	80	80	80	81	
3.4	68	68	68	69	69	70	70	70	71	71	71	72	72	72	73	73	73	74	74	74	75	75	75	76	76	76	77	77	77	78	78	78	79	79	79	
3.3	66	66	67	67	68	68	68	69	69	69	70	70	71	71	71	72	72	73	73	73	74	74	74	75	75	75	76	76	76	77	77	77	78	78	78	
3.2	64	65	65	66	66	66	67	67	67	68	68	69	69	69	70	70	71	71	72	72	72	73	73	73	74	74	74	75	75	75	76	76	76	77	77	
3.1	63	63	63	64	64	65	65	65	66	66	67	67	67	68	68	69	69	69	70	70	70	71	71	71	72	72	73	73	73	74	74	74	75	75	75	
3.0	61	61	62	62	63	63	63	64	64	65	65	65	66	66	67	67	68	68	68	69	69	70	70	70	71	71	71	72	72	72	73	73	73	74	74	
2.9	59	60	60	60	61	61	62	62	62	63	63	64	64	64	65	65	66	66	67	67	68	68	68	69	69	69	70	70	71	71	72	72	72	73		
2.8	57	58	58	59	59	59	60	60	61	61	62	62	62	63	63	64	64	65	65	66	66	66	67	67	68	68	68	69	69	69	70	70	71	71	71	
2.7	55	56	56	57	57	58	58	58	59	59	60	60	61	61	61	62	62	63	63	63	64	64	65	65	65	66	66	66	67	67	67	68	68	69	69	
2.6	54	54	55	55	55	56	56	57	57	58	58	58	59	59	60	60	61	61	61	62	62	63	63	63	64	64	65	65	65	66	66	67	67	67	68	
2.5	52	52	53	53	54	54	54	55	55	56	56	57	57	57	58	58	59	59	60	60	60	61	61	62	62	62	63	63	64	64	65	65	65	66	66	
2.4	50	50	51	51	52	52	53	53	53	54	54	55	55	56	56	57	57	57	58	58	59	59	59	60	60	61	61	62	62	63	63	64	64	64	65	
2.3	48	49	49	49	50	50	51	51	52	52	53	53	53	54	54	55	55	56	56	56	57	57	58	58	59	59	59	60	60	61	61	61	62	62	63	
2.2	46	47	47	48	48	48	49	49	50	50	51	51	52	52	52	53	53	54	54	55	55	55	56	56	57	57	58	58	58	59	59	60	60	61	61	
2.1	44	45	45	46	46	47	47	48	48	48	49	49	50	50	51	51	51	52	52	53	53	54	54	54	55	55	56	56	57	57	58	58	58	59	60	
2.0	43	43	44	44	44	45	45	46	46	47	47	47	48	48	49	49	50	50	50	51	51	52	52	53	53	54	54	55	55	56	56	57	57	57	58	
1.9	41	41	42	42	43	43	43	44	44	45	45	46	46	46	47	47	48	48	49	49	50	50	50	51	51	52	52	53	53	53	54	54	55	55	56	
1.8	39	40	40	40	41	41	42	42	42	43	43	44	44	45	45	45	46	46	47	47	48	48	49	49	49	50	50	51	51	52	52	52	53	53	54	
1.7	37	38	38	39	39	39	40	40	41	41	42	42	42	43	43	44	44	45	45	45	46	46	47	47	48	48	48	49	49	50	50	51	51	52	52	
1.6	36	36	36	37	37	38	38	39	39	39	40	40	41	41	41	42	42	43	43	44	44	44	45	45	46	46	47	47	47	48	48	49	49	50	51	
1.5	34	34	35	35	36	36	36	37	37	38	38	38	39	39	40	40	41	41	41	42	42	43	43	43	44	44	45	45	46	46	47	47	48	48	49	
1.4	32	33	33	33	34	34	35	35	35	36	36	37	37	38	38	38	39	39	40	40	40	41	41	42	42	43	43	43	44	44	45	45	46	46	47	
1.3	31	31	31	32	32	33	33	33	34	34	35	35	35	36	36	37	37	37	38	38	39	39	39	40	40	41	41	42	42	42	43	43	44	44	45	
1.2	29	30	30	30	31	31	31	32	32	33	33	33	34	34	35	35	35	36	36	37	37	37	38	38	39	39	40	40	41	41	42	42	42	43	43	
1.1	28	28	28	29	29	29	30	30	31	31	31	32	32	32	33	33	34	34	34	35	35	36	36	36	37	37	38	38	39	39	40	40	41	41	41	
1.0	26	27	27	27	28	28	28	29	29	29	30	30	31	31	31	32	32	33	33	33	34	34	34	35	35	36	36	37	37	38	38	38	39	39	40	
0.9	25	25	26	26	26	27	27	27	28	28	28	29	29	29	30	30	30	31	31	32	32	32	33	33	33	34	34	35	35	35	36	36	37	37	38	
0.8	23	24	24	24	25	25	25	26	26	26	27	27	27	28	28	29	29	29	30	30	30	31	31	31	32	32	33	33	33	34	34	35	35	35	36	
0.7	22	22	23	23	23	24	24	24	25	25	25	26	26	26	27	27	27	28	28	28	29	29	30	30	30	31	31	31	32	32	33	33	33	34	34	
0.6	21	21	22	22	22	22	23	23	23	24	24	24	25	25	25	26	26	26	27	27	27	28	28	28	29	29	29	30	30	31	31	31	32	32	33	
0.5	20	20	20	21	21	21	21	22	22	22	23	23	23	24	24	24	25	25	25	26	26	26	27	27	27	28	28	28	29	29	29	30	30	30	31	
	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	

ACT English Score

Chance of a C or Higher in COMPOSITION I, Given ACT English Score and High School English Grade Average

The matrix reports students' chances of achieving a C or higher in COMPOSITION I, given their ACT English Score and High School English Grade Average. For example, the chance that a student with an ACT English Score of 17 and a High School English Grade Average of 2.2 would obtain a C or higher in COMPOSITION I is 79%.

If present, the dark gold area shows the combinations of ACT English Score and High School English Grade Average values that are at or near a 50% chance level. The combinations that maximize the percentage of correct placement decisions (accuracy rate) always correspond to a chance of 50%.

High School English Grade Average

4.0	97	97	97	97	97	97	97	96	96	96	96	96	96	95	95	95	95	94	94	94	93	93	93	92	92	92	91	91	90	90	89	89	88	88	87	87	86
3.9	97	97	97	97	97	96	96	96	96	96	95	95	95	95	94	94	94	93	93	93	93	92	92	91	91	91	90	90	89	89	88	88	87	86	86	85	
3.8	97	97	97	97	96	96	96	96	96	95	95	95	95	94	94	94	93	93	93	92	92	92	91	91	90	90	89	89	88	88	87	87	86	85	85	84	
3.7	97	97	96	96	96	96	96	95	95	95	95	94	94	94	94	93	93	93	92	92	91	91	91	90	90	89	89	88	87	87	86	86	85	84	84	83	
3.6	97	96	96	96	96	96	95	95	95	95	94	94	94	93	93	93	92	92	92	91	91	90	90	89	89	88	88	87	86	86	85	85	84	83	82	82	
3.5	96	96	96	96	95	95	95	95	94	94	94	94	93	93	92	92	92	91	91	90	90	89	89	88	88	87	87	86	85	85	84	83	83	82	81	80	
3.4	96	96	96	95	95	95	95	94	94	94	93	93	93	92	92	92	91	91	91	90	90	89	89	88	88	87	86	86	85	84	84	83	82	81	81	80	79
3.3	96	95	95	95	95	94	94	94	93	93	93	92	92	92	91	91	90	90	89	89	88	88	87	87	86	85	85	84	83	83	82	81	80	79	78	78	
3.2	95	95	95	94	94	94	94	93	93	93	92	92	91	91	91	90	90	89	89	88	87	87	86	86	85	84	84	83	82	81	81	80	79	78	77	76	
3.1	95	95	94	94	94	93	93	93	92	92	92	91	91	90	90	89	89	88	88	87	87	86	85	85	84	83	82	82	81	80	79	78	77	76	75	75	
3.0	94	94	94	94	93	93	93	92	92	91	91	90	90	90	89	89	88	87	87	86	86	85	84	83	83	82	81	80	80	79	78	77	76	75	74	73	
2.9	94	94	93	93	93	92	92	92	92	91	91	90	90	89	89	88	88	87	86	86	85	84	83	83	82	82	81	80	79	78	77	76	75	74	73	72	71
2.8	93	93	93	92	92	92	91	91	90	90	89	89	88	88	87	87	86	85	85	84	83	83	82	81	80	79	79	78	77	76	75	74	73	72	71	69	
2.7	93	93	92	92	91	91	91	90	90	89	89	88	88	87	86	86	85	84	84	83	82	81	81	80	79	78	77	76	75	74	73	72	71	70	69	68	
2.6	92	92	92	91	91	90	90	89	89	88	88	87	87	86	85	85	84	83	83	82	81	80	79	78	77	77	76	75	74	73	72	70	69	68	67	66	
2.5	92	91	91	91	90	90	89	89	88	87	87	86	86	85	84	84	83	82	81	80	80	79	78	77	76	75	74	73	72	71	70	69	68	66	65	64	
2.4	91	91	90	90	89	89	88	88	87	87	86	85	85	84	83	82	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	64	63	62	
2.3	90	90	90	89	88	88	87	87	86	86	85	84	83	83	82	81	80	79	79	78	77	76	75	74	73	72	71	70	68	67	66	65	64	63	61	60	
2.2	90	89	89	88	88	87	86	86	85	84	84	83	82	81	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	65	64	63	62	61	59	58	
2.1	89	88	88	87	87	86	85	85	84	83	83	82	81	80	79	78	78	77	76	75	74	73	72	71	69	68	67	66	65	64	62	61	60	59	57	56	
2.0	88	88	87	86	86	85	84	84	83	82	81	81	80	79	78	77	76	75	74	73	72	71	70	69	68	66	65	64	63	62	60	59	58	57	55	54	
1.9	87	87	86	85	85	84	83	82	82	81	80	79	78	77	76	76	75	74	72	71	70	69	68	67	66	65	63	62	61	60	58	57	56	54	53	52	
1.8	86	86	85	84	84	83	82	81	80	80	79	78	77	76	75	74	73	72	71	70	69	67	66	65	64	63	61	60	59	58	56	55	54	52	51	50	
1.7	85	85	84	83	82	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	64	63	62	61	59	58	57	56	54	53	52	50	49	48	
1.6	84	83	83	82	81	80	79	79	78	77	76	75	74	73	72	71	70	68	67	66	65	64	62	61	60	59	57	56	55	54	52	51	50	48	47	46	
1.5	83	82	81	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	65	64	63	62	60	59	58	57	55	54	53	51	50	49	48	46	45	44	
1.4	82	81	80	79	78	78	77	76	75	74	73	72	70	69	68	67	66	65	63	62	61	60	58	57	56	55	53	52	51	49	48	47	45	44	43	42	
1.3	80	80	79	78	77	76	75	74	73	72	71	70	69	68	66	65	64	63	62	60	59	58	56	55	54	53	51	50	49	47	46	45	43	42	41	40	
1.2	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	63	62	61	60	58	57	56	54	53	52	50	49	48	47	45	44	43	41	40	39	38	
1.1	78	77	76	75	74	73	72	71	70	69	67	66	65	64	63	61	60	59	58	56	55	54	52	51	50	48	47	46	44	43	42	41	39	38	37	36	
1.0	76	75	74	73	72	71	70	69	68	67	66	64	63	62	61	59	58	57	56	54	53	52	50	49	48	46	45	44	42	41	40	39	37	36	35	34	
0.9	75	74	73	72	71	69	68	67	66	65	64	62	61	60	59	57	56	55	53	52	51	50	48	47	46	44	43	42	40	39	38	37	35	34	33	32	
0.8	73	72	71	70	69	68	67	65	64	63	62	60	59	58	57	55	54	53	51	50	49	47	46	45	44	42	41	40	38	37	36	35	34	32	31	30	
0.7	71	70	69	68	67	66	65	63	62	61	60	58	57	56	55	53	52	51	49	48	47	45	44	43	41	40	39	38	36	35	34	33	32	31	30	28	
0.6	70	69	67	66	65	64	63	61	60	59	58	56	55	54	52	51	50	49	47	46	45	43	42	41	39	38	37	36	35	33	32	31	30	29	28	27	
0.5	68	67	66	64	63	62	61	59	58	57	56	54	53	52	50	49	48	46	45	44	43	41	40	39	38	36	35	34	33	32	30	29	28	27	26	25	
	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	

Note: One or both of the statistica

ACT English Score

Placement Information for COMPOSITION I Using ACT English Score and High School English Grade Average

This table shows the impact of using different combinations of ACT English Scores and High School English Grade Averages as cutoff scores in COMPOSITION I. For example, if you were to require students to have at least a 50% chance of a B or higher based on their ACT English Scores and High School English Grade Averages to be placed into COMPOSITION I (see page 9), then you would expect:

- about 4% of your students would be placed in a lower-level course
- about 74% of your placement decisions would be correct
- about 74% of those placed in COMPOSITION I 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	98	28	85			
82 - 84	84	38	84			
79 - 81	63	51	83			
76 - 78	53	57	82			
73 - 75	44	61	81			
70 - 72	35	65	80			
67 - 69	26	69	79			
64 - 66	19	71	77			
61 - 63	14	72	77			
58 - 60	12	73	76			
55 - 57	9	73	76			
52 - 54	6	74	75			
49 - 51	4	74	74			
46 - 48	2	74	74			
43 - 45	1	74	74			
40 - 42	1	73	74			
37 - 39	0	73	73			
34 - 36	0	73	73			
31 - 33	0	73	73			
28 - 30						
25 - 27						
22 - 24						
19 - 21						
16 - 18						
10 - 15						
1 - 9						

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

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
COMPOSITION I	Intercept	-0.40		1.74		
	ACT English Score	0.06	0.0342	0.01	0.8851	0.13
	Intercept	-1.55		-0.35		
	High School English Grade Average	0.77	0.0002	0.73	0.0049	0.29
	Intercept	-1.79		0.39		
	ACT English Score and High School English Grade Average	0.02 0.74	0.5994 0.0005	-0.05 0.83	0.2263 0.0024	0.29