

Do First-Year Writing and Math Matter for MY Students?

Recent TIPSS's have focused on Lane's Key Progress Indicators—first-year completion rates in gateway writing and math. Are these KPI's valid predictors of success in other subjects? In the table below we compare department level course success rates and grade point averages of second-year students **with** (red, upper bars) and **without** (blue, lower bars) first-year gateway completions in writing and math. Note: These data do not prove causation. Better outcomes among KPI students are likely due *partially* to skills gained in writing or math courses but *mainly* to characteristics positively associated with success both in first-year writing or math and across disciplines. Samples are drawn from 2,938 first-time-in-college students new to Lane in Fall 2012, 2013, 2014 or 2015 and persisting to a second academic year.

Department	2 nd Year Outcomes of Credit Students with or without 1 st Year Gateway WRITING		2 nd Year Outcomes of Credit Students with or without 1 st Year Gateway MATH	
	Course Success in Dept.	GPA in Department	Course Success in Dept.	GPA in Department
Art & Applied Design	with GW writing 82% without 66%	3.23 2.95	with GW math 84% without 72%	3.29 3.05
Cottage Grove & Florence (College-Level)	74% 63%	3.01 2.73	81% 65%	3.15 2.79
Computer Info Technology	80% 61%	3.11 2.56	79% 67%	3.11 2.73
Adv Technology Group ¹	83% 67%	2.91 2.50	83% 70%	2.96 2.53
Science Group ²	78% 62%	2.77 2.41	79% 69%	2.86 2.53
Social Science Group ³	80% 57%	2.83 2.15	82% 66%	2.97 2.38
Student Success Group ⁴	72% 61%	2.60 2.39	79% 63%	3.04 2.36
Health & Physical Education	83% 71%	3.47 3.17	84% 75%	3.60 3.22
Language, Lit & Com	80% 66%	2.99 2.63	80% 70%	3.07 2.70
Music, Dance & Theatre Arts	82% 70%	3.39 3.02	88% 72%	3.50 3.11
Mathematics (College-Level)	69% 58%	2.46 2.22	69% 63%	2.55 2.27

¹Advanced Technology Group includes Aviation Academy, Culinary Arts & Hospitality, and Health Professions.

²Science Group includes Institute for Sustainable Practices.

³Social Science Group includes Child & Family Education.

⁴Student Success Group includes Academic Learning Skills, Library, Women's Programs, Student Leadership Development, Counseling, and ALL courses below college (100) level.