

# Improving Course Outcomes

*Math and English pass rates increase in six states*

COLLEGE-LEVEL COURSE PASS RATES				
STATE	IMPLEMENTING INSTITUTION(S)	COURSE SUBJECT	PRE-REQUISITE MODEL	CO-REQUISITE MODEL
CO	All 13 Colorado Community College System colleges	English	31%	64%
GA	Five University System of Georgia institutions (one HBCU and four state colleges)	Math English	20% 16%	63% 71%
IN	Ivy Tech Community College (multiple campuses)	English	37%	55%
NY	Three CUNY community colleges (Bronx, Manhattan, Queens)	Math	38%	44%
TN	All 13 two-year public institutions	Math English	12% 31%	51% 59%
WV	All 9 West Virginia Community and Technical Colleges (WVCTC)	Math English	14% 37%	62% 68%

Source: Rossman, D., Alamuddin, R., Kurzweil, M. (2019). *Estimating the return on investment (ROI) for instructional improvement efforts: An overview of the ROI tool (beta version)*. Washington, DC: American Council on Education.

Note: Table replicated from page 14 in the report. Shows the impact of co-requisite remediation redesign on course pass rates.

Co-requisite courses are one type of instructional improvement effort that increases student course pass rates. This structure may include several components, such as smaller class sizes, an integrated student population, and the combination of college-level courses with support labs. The table presents results from the implementation of co-requisite remediation in six states and highlights increased student success rates in college-level courses from six to fifty-five percentage points.

In addition to these outcomes, the report features a new tool used to calculate the return on investment (ROI) of developmental education instructional improvement efforts. The authors report that the co-requisite model has a positive ROI because as students succeed in these classes, they gain momentum and are more likely to enroll in the next course. This level of academic achievement encourages learners to persist through college and complete their degree. This Points of Interest presents one benefit of co-requisite remediation: improved pass rates for co-requisite math and English in the six states studied.

For more information, contact the author of the study or Maxine T. Roberts at [mroberts@strongstart.org](mailto:mroberts@strongstart.org).

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