

COLUMBUS STATE

COMMUNITY COLLEGE

Student Success in Mathematics

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An Institutional Goal

Increase the percent of students completing gateway College Mathematics and English courses within their first year of college from 18.9% to 30%.

Potential Strategies

- **Increase student placement** to reduce or eliminate pre-college coursework
- Allow students who need pre-college level coursework to **accelerate** and complete it quickly
- **Change the curriculum** to shorten the pathway to college-level courses

Increasing student placement

- New students often take placement tests “cold”
- **Test – Remediate – Retest**
 - Take placement test
 - Work on individualized remediation plan
 - Retake placement test before enrolling
- ALEKS PPL was selected as the tool

ALEKS PPL Placement Data

- Placement into the lowest level course was reduced from **46% to 28%**
- **25%** of students increased placement on retest
- Mathematics/Statistics Course Success

Spring 2017	ALEKS PPL Students N = 559	All Students N = 8107
Successful (A,B,C, or S)	75%	62.5%
Earned a grade of A	28.3%	14.7%
Withdrew	5%	9.5%

ALEKS PPL Placement Data II

- A half-scale pilot is running this semester in MATH 1099, our self-directed pre-college course. Students spend the first week trying to increase their placement with ALEKS PPL.

Autumn 2018	Number of Students	Increased Placement
Pre-Algebra	124	49%
Beginning Algebra	227	27%
Intermediate Algebra	142	11%

MATH 1099 Success Data

- MATH 1099 is a self-directed environment where students can accelerate and earn credit for one or more pre-college courses in one semester using ALEKS 360.

	Spring 2018	Autumn 2017
Enrollment	1,441	1,602
Success Rate	68%	71%
Completed 2-3 courses*	10%	25%

*estimated