Data, Cognitive Science and Bespoke Education

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Creating Clear Degree Pathways to Success

















10,000 USG Students

2,500 who either completed their first credit bearing math and/or writing class or completed neither during their first academic year



UNIVERSITY SYSTEM OF GEORGIA







A State College





System-wide Math Completion for students beginning in Developmental Mathematics

| 70% | | | |
|-----|------|----|--|
| 60% | | | |
| 50% | | | |
| 40% | | | |
| 30% | | | |
| 20% | | | |
| 10% | | | |
| 0% | | | |
| .,. | 13 | 14 | |

Prepare for Credit Model





ACT Math Subscores



System-wide Math Completion for students beginning in Developmental Mathematics

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|-----|------|----|---|
| 60% | | | |
| 50% | | | |
| 40% | | | |
| 30% | | | |
| 20% | | | |
| 10% | | | |
| 0% | | | |
| | 13 | 14 | 1 |

Prepare for Credit Model





Direct Credit

ACT Math Subscores



Co-requisite Remediation in Tennessee



Completion of Gateway Math by ACT Sub-score Community College Pre-requisite Model vs. Co-requisite Model







Completion of Gateway Writing by ACT Sub-score Community College Pre-requisite Model vs. Co-requisite Model







Completion of Gateway Math by ACT Sub-score University "MATH1000" Model vs. Co-requisite Model







Co-requisite Remediation in Georgia





System Comparison of Success in Gateway Math Classes



2013 Traditional LS
2015 For

2015 Foundations



2016 Foundations

2015 Corequisite

2016 Corequisite

System Comparison of Success in Gateway Math Classes



State Universities



System Comparison of Success in Gateway English Classes



2013 Traditional LS



2016 Foundations

2015 Corequisite

2016 Corequisite

System Comparison of Success in Gateway Mathematics Classes







System Comparison of Success in Gateway Mathematics Classes







Fall to Fall Retention





Community College students who passed a Math class in their 1st Year





Fall to Fall Retention









Average Community College Instructional Cost per Successful Student in Mathematics

| \$3,500.00 | |
|------------|----------------------------|
| \$3,000.00 | \$3,088.00 |
| \$2,500.00 | |
| \$2,000.00 | |
| \$1,500.00 | |
| \$1,000.00 | |
| \$500.00 | Pre-requisite Model |
| \$0.00 | |

Is Corequisite Remediation Cost-Effective? Early Findings From Tennessee Belfield, Davis & Lahr, Community College Research Center, Columbia University















UNIVERSITY SYSTEM OF GEORGIA

Catapult Classes

All gove she



Student Enrollment Impact



Size of "bubble" depicts the overall impact of increased learning in each class on overall student success metrics.

Affordable Learning Georgia

- To date, all ALG programs have saved students over **\$31 million** on textbook costs
- •219,343 students have benefited
- \$18 million annual projected savings from current grants



All courses offered in eCore use OER

Productive Academic Mindset

Perceived purpose of coursework

Feel connected to their institution and that they belong... material...

GRIT and **Perseverance**

Believe they are capable of learning the

Confidence interacting with Faculty and Staff







ACT Mathematics Subscores













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| ot ful in 'eer" | "What I learn in Math | |
|-----------------------|------------------------------------|--|
| | be useful in my future " | |
| | | |



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Health Professions

Applied Technology

Business

Social Sciences

Humanities

Education

STORES!

Arts

The effect of course enrollments in the first year on graduation rates

1st yr - Did not attempt 9hrs in focus area

1st yr - Attempted 9hrs in focus area

1st yr - Earned 9hrs in focus area

State University 6year Graduation Rates based on hours enrolled in First Semester

0-6 hours

7-10 hours

State University 6year Graduation Rates based on hours enrolled in First Semester

0-6 hours

11-13 hours
14+ hours

USG Momentum Year

Creating a productive Academic Attempting the first 30 hours of a Clear Pathway

Making a purposeful program choice Attempting 9 hours in Academic Focus

Complete initial English and Math

WHAT DATA SAYS ABOUT THE IMPACT?

Since 2013...

Since 2013...

Under-represented Minority Students

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