Bruce Vandal
Sr. Vice-President
Complete College America
@bruceatcca
CCA and Hawaii: A Special Relationship

- Birthplace of the 15 to Finish movement
- STAR system was a historic achievement in the data analytics and Pathways movement
- Inaugural recipient of CCA President’s Award
- Part of Corequisite as Scale Initiative
- Selected for first cohort of Momentum Pathways Initiative
In the first year of enrollment students who...

- Earn 30 credits in first year
- Complete math and English gateway courses
- Enter a program of study
- Complete nine program credits

...are far more likely to graduate.
15 TO FINISH
MATH PATHWAYS
COREQUISITE SUPPORT
MOMENTUM YEAR
ACADEMIC MAPS & PROACTIVE ADVISING
Momentum Pathways

- **Advisors/Administrators**
- **Faculty**
  - 15 to Finish
  - Math Pathways
- **Momentum Year**
- **Academic Maps and Proactive Advising**
- **Corequisite Support**
STUDENT MOMENTUM

In the first year of enrollment students who...

• Earn 30 credits in first year
• Complete math and English gateway courses
• Enter a program of study
• Complete nine program credits

...are far more likely to graduate.
Summary of Legacy College Level English and Math Completion Data
(% of cohort completed)

College Level English Completion

<table>
<thead>
<tr>
<th>Cohort</th>
<th>Semester 1, 2013</th>
<th>Semester 1, 2016</th>
<th>Semester 1, 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013 cohort</td>
<td>26%</td>
<td>43%</td>
<td>43%</td>
</tr>
<tr>
<td>2016 cohort</td>
<td>26%</td>
<td>43%</td>
<td>43%</td>
</tr>
<tr>
<td>2017 cohort</td>
<td>26%</td>
<td>43%</td>
<td>43%</td>
</tr>
</tbody>
</table>

College Level Math Completion

<table>
<thead>
<tr>
<th>Cohort</th>
<th>Semester 1, 2013</th>
<th>Semester 1, 2016</th>
<th>Semester 1, 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013 cohort</td>
<td>20%</td>
<td>20%</td>
<td>23%</td>
</tr>
<tr>
<td>2016 cohort</td>
<td>20%</td>
<td>20%</td>
<td>23%</td>
</tr>
<tr>
<td>2017 cohort</td>
<td>20%</td>
<td>20%</td>
<td>23%</td>
</tr>
</tbody>
</table>
Momentum Pathways

- Advisors/Administrators
- 15 to Finish
- Momentum Year
- Academic Maps and Proactive Advising
- Faculty
- Math Pathways
- Corequisite Support
COREQUISITE SUPPORT

#CoreqWORKS
COREQUISITE SUPPORT

- Students enroll directly into COLLEGE-LEVEL course.
- Provide academic support while enrolled in the college-level course.
COREQ WORKS

22% Traditional Remediation National Avg for Gateway Course Success

- Colorado: 64%
- Georgia: 71%
- Indiana: 55% English, 64% Math
- Tennessee: 64% English, 64% Math
- West Virginia: 62% English, 68% Math
MATH PATHWAYS

#MathPathways
COLLEGE ALGEBRA’S PURPOSE:
PREPARATION FOR PROGRAMS REQUIRING CALCULUS
Math Is Aligned to Majors

- **Humanities & Arts**
  - *Meta-Major*: Quantitative Reasoning
  - *Gateway Math*: Statistics/Modeling
  - *Program*: Classics, Performing Arts, Cultural Studies

- **Social Sciences, Health Sciences, Business**
  - *Meta-Major*: Quantitative Reasoning
  - *Gateway Math*: Statistics/Modeling
  - *Program*: Psychology, Political Science, Communications

- **Technical Certificate Programs**
  - *Meta-Major*: Technical Math
  - *Gateway Math*: Technical Math
  - *Program*: Welding, Carpentry

- **Engineering, Hard Sciences**
  - *Meta-Major*: College Algebra/Pre-Calc/Calculus
  - *Gateway Math*: College Algebra/Pre-Calc/Calculus
  - *Program*: Civil Engineering, Chemical Engineering, Chemistry
#CoreqWorks . . .

Because Extensive Research Has Found . . .

Students Perform Better in Corequisites Regardless of their Placement Level.
Students Assessed at Lowest Level Perform Better In Transfer-Level Courses Than Remediation

TBR Community College Gateway Math Success in One Year

- Pre-Requisite Model 2012-13
- Corequisite Full Implementation 2015-16

Tennessee Board of Regents Denley, 2016
City University of New York
Students Regardless of Placement Level Do Better in Corequisites

Mean (SD) Compass test score = 25.0 (6.5)
California

Students Assessed at Lowest Level Perform Better In Transfer-Level Courses Than Remediation

![Bar chart showing performance in English, Stats, and Pre-Calc subjects at different levels of assessment.](chart.png)
#CoreqWorks Because . . .

. . . When All Students Start in College-Level Courses. . .

. . . All Students Can Benefit from Momentum Pathways.
THE MOMENTUM YEAR

An Onboarding System That Results in:

• Students Identifying their College Purpose
• Selecting a Meta-Major
• Earning 30 credits
• Completing Gateway Math and English
• Taking up 3 courses in their Program Path
• Attaining a Strong Academic Mindset