Transforming the Remediation Pathway for Success:
A Holistic View of the Student Pathway

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Workshop Overview

1. Acceleration
2. Multiple Measures
3. Summer Bridge
4. Extend the Classroom (ETC)
Bakersfield College

• Entry
  BC    Prepared 19%    Remedial 81%
  Statewide    Prepared 25%    Remedial 75%

• Progression (6 years from remedial to transfer)
  Math: 26.6%    English: 30.4%    ESL: 29.5%
BC : 6 Year Completion Rates (Degree and Transfer)

- Overall: 37.70%
- Prepared: 68.80%
- Remedial: 30.70%
Bakersfield College
Four Pillars of Guided Pathways

CLARIFY THE PATH
ENTER THE PATH
STAY ON THE PATH
ENSURE LEARNING
Curricular Redesign
Stacked & Compressed

Acceleration
CURRENT REDESIGNED REMEDIATION
SEMESTER PATHWAYS

All Courses
ACDV B61
Accelerated Reading
2nd Semester
ACDV B50
Advanced Reading
1st Semester
ACDV B80
Integrated Reading/Writing
1st Semester

Transfer English
English B53
2nd Semester
ACDV B80
Integrated Reading/Writing
1st Semester

Statistics
Math B65
Intermediate Algebra for Statistics
2nd Semester
ACDV B72
Accelerated Arithmetic/PreAlgebra
1st Semester

Calculus
Math B60-B70 Learning Community 530
Beginning and Intermediate Algebra
Degree Applicable
ACDV B72
1st Semester
Accelerated Math

Remedial Math Completion by 2 year cohorts

<table>
<thead>
<tr>
<th></th>
<th>African American</th>
<th>Hispanic/Latino</th>
<th>White</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remedial Math Completion 2011-12</td>
<td>9.30%</td>
<td>20.40%</td>
<td>22.90%</td>
<td>20.10%</td>
</tr>
<tr>
<td>Remedial Math Completion 2012-13</td>
<td>7.10%</td>
<td>19.90%</td>
<td>25.30%</td>
<td>20.50%</td>
</tr>
<tr>
<td>Remedial Math Completion 2013-14</td>
<td>7.50%</td>
<td>24.20%</td>
<td>22.70%</td>
<td>23%</td>
</tr>
<tr>
<td>Remedial Math Completion 2014-15</td>
<td>19.40%</td>
<td>23.30%</td>
<td>25.20%</td>
<td>24.15%</td>
</tr>
</tbody>
</table>
Comparison of Remedial English Success for 2-year cohorts disaggregated by Ethnicity

<table>
<thead>
<tr>
<th></th>
<th>Total students in each cohort</th>
<th>African-American</th>
<th>Hispanic</th>
<th>White Non-Hispanic</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2012-14 (N=1210)</strong></td>
<td>40.2%</td>
<td>23.2%</td>
<td>37.7%</td>
<td>52.3%</td>
</tr>
<tr>
<td><strong>2013-15 (n=1307)</strong></td>
<td>46.5%</td>
<td>40.9%</td>
<td>45.5%</td>
<td>53.3%</td>
</tr>
<tr>
<td><strong>2014-2016 (N=1230)</strong></td>
<td>51.1%</td>
<td>47.6%</td>
<td>49.6%</td>
<td>58.9%</td>
</tr>
</tbody>
</table>
Multiple Measures of Assessment for Placement
Multiple Measures, What?

- The use of more than a single indicator in student assessment and placement. (Title 5 § 55502(i) clearly mandates that California community colleges should use multiple measures in their assessment and placement processes)

**Examples of MM in CA:**
- High school or college transcripts
- Self-reported academic information
- Performance-based assessments
- Writing samples
- Holistic scoring processes
- Student self-assessment
- Attitude surveys
- Non-cognitive or metacognitive surveys
- Interviews
- Education and employment histories
- Military training and experience

**MM used at Bakersfield College:**
- Placement/Assessment test (Accuplacer)
- High school transcripts (GPA, English and Math grades)
- Advanced Placement (AP) scores
- International Baccalaureate (IB) scores
- Early Assessment Program (EAP) - California State Universities
Timeline: MM at Bakersfield College

- 2013-14 MIH cohort
  - Criteria would allow a student to be moved up one level from their assessment test placement.
- 2014-15 Outreach to the high schools begins
  - BC begins offering students the opportunity to complete the matriculation steps at their high school
  - MM applied on site during New Student Workshops (NSW)
- 2015-16 Partial adoption of MMAP suggested criteria.
  - Some MM were automated (predominately English courses).
  - Students meeting requirements to attend a NSW were evaluated prior to the workshop.
  - 2800+ student transcripts manually evaluated in approximately 2 months.
- 2016-17 Full adoption of MMAP suggested criteria.
  - Increasing automation of criteria is still in progress.
  - Currently over 1300+ student transcripts evaluated (midpoint).
Example A: Impact on Placement

**High School Student A** (currently in Math Analysis and IB English, 4.1 GPA)

Placement Test
- English B50 *(1 level below college level)*
- Beginning Algebra *(2 levels below college level)*

2013-14 and 2014-15 MM Criteria
- English B1A
- Intermediate Algebra *(1 level below college level)*

2015-16 MM Criteria
- English B1A
- Pre-Calculus I

2016-2017 MM Criteria
- English B1A
- Calculus I
Example B: Impact on Placement

**High School Student B** (currently in Calculus and English 12, 2.6 GPA)

Placement Test
- English B60 (*2 levels below college level*)
- Pre-Algebra (*3 levels below college level*)

2013-14 and 2014-15 MM Criteria
- English B50 (*1 level below college level*)
- Beginning Algebra (*2 levels below college level*)

2015-16 MM Criteria
- English B1A
- Beginning Algebra (*2 levels below college level*)

2016-2017 MM Criteria
- English B1A
- Pre-Calculus II
Results: Math

Math Placement BC 2013-2016

Percent placed at specific levels:

- 4 levels:
  - 2013: 35%
  - 2016: 2%

- Three levels:
  - 2013: 35%
  - 2016: 24%

- Two levels:
  - 2013: 21%
  - 2016: 33%

- One level:
  - 2013: 6%
  - 2016: 7%

- Transfer:
  - 2013: 3%
  - 2016: 34%
## Results: English

### English Placement BC 2013-2016

<table>
<thead>
<tr>
<th>Levels Below</th>
<th>2013</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four Levels Below</td>
<td>11%</td>
<td>1%</td>
</tr>
<tr>
<td>Three Levels Below</td>
<td>37%</td>
<td>12%</td>
</tr>
<tr>
<td>Two Levels Below</td>
<td>6%</td>
<td>17%</td>
</tr>
<tr>
<td>One Level Below</td>
<td>33%</td>
<td>17%</td>
</tr>
<tr>
<td>Transfer Level</td>
<td>29%</td>
<td>54%</td>
</tr>
</tbody>
</table>
## Cost Savings

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Moved 1 level</th>
<th>Moved 2 levels</th>
<th>Moved 3 levels</th>
<th>Moved 4 levels</th>
<th>% of students moved</th>
<th>Total units saved</th>
<th>Total Tuition Saved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading</td>
<td>642</td>
<td>100</td>
<td>41</td>
<td>NA</td>
<td>26%</td>
<td>3,036</td>
<td>$139,656</td>
</tr>
<tr>
<td>(n=3006)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>665</td>
<td>404</td>
<td>209</td>
<td>1</td>
<td>33%</td>
<td>9,696</td>
<td>$446,016</td>
</tr>
<tr>
<td>(n=3903)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1141</td>
<td>177</td>
<td>17</td>
<td>21</td>
<td>50%</td>
<td>6,184</td>
<td>$284,464</td>
</tr>
<tr>
<td>(n=2952)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Approximate Units Saved: **18,910**  
Approximate Dollars Saved: **$870,136** ($46/unit)
Summer Bridge to BC

ENTER THE PATH

STAY ON THE PATH
Summer Bridge to BC: First Year Student Success Orientation Day

- **ACDV B55- First Year Student Success** (½ unit course)
- Targets First Generation College Students (FGCS)
- 1-day sessions (8 am-5pm) April through August
- Saturday orientations offered for rural high school seniors
- Recommended for ALL incoming Freshmen
- Title V, Outreach, and the Office of Student Success and Equity
Addresses Equity Gaps Through 4 Direct Actions

• **MODELING:** Introduces new FGCS to experienced, successful FGCS through peer mentoring activities

• **CONNECTING:** Connects FGCS to other FGCS through team building and networking activities

• **SUPPORTING:** Helps FGCS to locate academic and social support resources on campus and encourages FGCS to take advantage of these resources.

• **CELEBRATING:** Makes the success of FGCS a point of pride.
Modeling: Guest Faculty & Peer Mentors
Connecting: Team Building and Networking
Supporting: Academic and Personal Resources
Celebrating: Freshmen Convocation
First Semester Success Rates

- **Retention Success Overview**
  - Overall: 86%
  - Summer Bridge: 98%

- **Overall Success Rate**
  - Overall: 78%
  - Summer Bridge: 66%
Thinking about starting a Summer Bridge?

Who Do You Know?
Extend the Classroom

- Developmental Math
- Prescriptive Intervention
- Weekly Assessments
- Open Access
The ETC Experience

• Reflection on Assessment
• Peer Mentor Review
• Mastery Reassessment
## Timeline and Outcomes

<table>
<thead>
<tr>
<th>Semester</th>
<th>ETC/No ETC</th>
<th># of Sections</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 15</td>
<td>NO ETC</td>
<td>13 sections</td>
</tr>
<tr>
<td>Summer 16</td>
<td>ETC Pilot</td>
<td>3 sections</td>
</tr>
<tr>
<td>Fall 16</td>
<td>ETC</td>
<td>12 sections (out of 19)</td>
</tr>
<tr>
<td>Spring 17</td>
<td>ETC</td>
<td>27 sections</td>
</tr>
</tbody>
</table>

- 18% ↑ success
- 39% ↑ retention
Grade Distributions
Fall 15 vs. Fall 16

<table>
<thead>
<tr>
<th>Letter Grades</th>
<th>Percent of Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS</td>
<td>20</td>
</tr>
<tr>
<td>BS</td>
<td>20</td>
</tr>
<tr>
<td>CS</td>
<td>20</td>
</tr>
<tr>
<td>DS</td>
<td>6</td>
</tr>
<tr>
<td>FS</td>
<td>16</td>
</tr>
<tr>
<td>WS</td>
<td>20</td>
</tr>
</tbody>
</table>

**Fall 2015 (no ETC)**

**Fall 2016 (with ETC)**
Challenges?

1. Acceleration
2. Multiple Measures
3. Summer Bridge
4. Extend the Classroom (ETC)
Challenges

Acceleration
• Maintaining Rigor
• Supporting Student Success

Multiple Measures
• Application of MM to all students
• Support and Buy-in from all academic departments

Summer Bridge
• Coordination
• Enrollment

Extended Classroom
• Training Peer Mentors
Questions

CLARIFY THE PATH
ENTER THE PATH
STAY ON THE PATH
ENSURE LEARNING
Contacts and Resources

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- BC Summer Bridge Facebook: https://www.facebook.com/summerbridgeBC/
- BC Summer Bridge Information: https://www.bakersfieldcollege.edu/sse/bridge-to-BC