Core Principles for Transforming Remedial Education

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Core Principles for Transforming Remedial Education
Student Attrition in Remedial Education

Remediation: The effect of attrition.

Students assigned 3 or more semesters of *English* remediation.

Completed 1st semester of remediation.

Completed 2nd semester of remediation.

Completed 3rd semester of remediation.

Passed gateway course.

**Enrolled and completed** | **Did not complete** | **Did not enroll or stopped enrolling**

**KNOW THIS** The remediation system is broken. More students quit than fail.

Student Attrition in Remedial Education

Remediation: The effect of attrition.

Students assigned 3 or more semesters of math remediation.

Completed 1st semester of remediation.

Completed 2nd semester of remediation.

Completed 3rd semester of remediation.

Passed gateway course.

Lost

Enrolled and completed
Did not complete
Did not enroll or stopped enrolling

Know This

The remediation system is broken. More students quit than fail.

PRINCIPLE 1

- Completion of a set of gateway courses for a program of study is a critical measure of success toward college completion.
The Goal

Students complete gateway math and English courses in one academic year.

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PRINCIPLE 2

- The content in required gateway courses should align with a student’s academic program of study — particularly in math.
Math Aligned to Program of Study

- Health Sciences
- Social Sciences
- Liberal Arts
- Education
- Business

Quantitative Reasoning/Statistics

- Degree
- 4-Year Transfer
- Certificate
- License

STEM

College Algebra/Precalculus

- Degree
- 4-Year Transfer
- Certificate
- License
PRINCIPLE 3

- Enrollment in a gateway college-level course should be the default placement for many more students.
PRINCIPLE 4

• Additional academic support should be integrated with gateway college-level course content — as a co-requisite, not a prerequisite.
Co-requisite Remediation

- **Single Semester Co-requisite**
  - Austin Peay State University Structured Assistance
  - CC of Baltimore City’s Accelerated Learning Project

- **One-Year Course Pathway**
  - Carnegie Statway/Quantway
  - Dana Center New Mathways

- **Embedded or Parallel Remediation in Career Technical Programs**
  - Tennessee Technical Colleges
  - Washington I-BEST

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PRINCIPLE 5

- Students who are significantly underprepared for college-level academic work need accelerated routes into programs of study.
Low/No Cost, Accelerated Options

- Accelerated Paths
  - California Acceleration Project
- Competency-Based Options
  - Core Skills Mastery
  - Pearson’s My Foundations
  - ALEKS
- Colorado’s Soft Landing

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PRINCIPLE 6

- Multiple measures should be used to provide guidance in the placement of students in gateway courses and programs of study.
Multiple Measures

- North Carolina – GPA at 2.6 or above exempts students from remediation.
- Long Beach State – Senior year course success as measure of readiness for gateway courses.
- Colorado and Austin Peay State University using “Grit” measure.
- Dana Center and Carnegie Foundation incorporating non-cognitive measures.
Students should enter a meta-major when they enroll in college and start a program of study in their first year in order to maximize their prospects of earning a college degree.
Meta-Majors

- Students must choose a meta-major — broad clusters of majors

<table>
<thead>
<tr>
<th>STEM</th>
<th>Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Sciences</td>
<td>Education</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>Business</td>
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</tbody>
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- No student is “unclassified” — those who can’t decide are defaulted into Liberal Arts

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The Challenge

Can states transform developmental education policy and practice to:

• Deliver academic support for the majority of students as a co-requisite;

• Develop STEM, Non-STEM transfer, and technical education pathways in math;

• Use high school GPA and other non-cognitive variables to guide student choices into the right gateway courses for their desired program of study;

...so that the vast majority of students successfully complete gateway courses in their program of study in one academic year?