Choice Architecture, Academic Foci and Guided Pathways

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Undecided University Freshmen - Fall 2010
Undecided University Freshmen - Fall 2010

Now watch them decide a major…
Community College Graduation Rates

- 1st yr - Did not attempt 9hrs in focus area: 16%
- 1st yr - Attempted 9hrs in focus area: 34%
- 1st yr - Earned 9hrs in focus area: 40%
Academic Foci

- Health Professions
- STEM
- Humanities
- Arts
- Business
- Social Sciences
- General Education
- Applied Technology
Enrollment Patterns for Incoming Community College Freshmen

Freshmen 2014-15

- TTP: 47%
- NonTTP: 31%
- Focus: 23%

Freshmen 2015-16

- TTP: 51%
- NonTTP: 18%
- Focus: 5%
- AAS: 26%
Survey Question 24: “Why did you pick your program or academic focus?”

- I had to pick something: 1%
- I have not selected a final major yet: 6%
- The salary potential is attractive to me: 7%
- I know someone who majored or works in this field: 3%
- My parents or an advisor suggested this choice: 5%
- My interests lie in this area: 78%
Incoming Freshmen who successfully completed at least 9 hours in their focus during their 1st Academic Year

Community College Freshmen

Community College Minority Freshmen

- Attempted 9 Focus Hours
- Earned 9 Focus Hours
WHAT DATA SAYS ABOUT THE PATHS
Graduate-Transcript Graph
Community College Graduation Rates

- 1st yr - Did not pass all 3 courses (18%)
- 1st yr - Passed all 3 courses (48%)

Freshmen completion of:
- English Composition I
- English Composition II
- A General Education satisfying Math Class
Co-requisite Remediation

Full System Implementation Fall 2015
Completion of Gateway Math by ACT Sub-score
Pre-requisite Model vs. Co-requisite Model
TBR Co-requisite Full Implementation

Community Colleges

9479 Students
7422 Students
Completion of Gateway Math by ACT Sub-score

Pre-requisite Model vs. Co-requisite Model
TBR Co-requisite Full Implementation

Community Colleges - Minority Students
Completion of Gateway English by ACT Sub-score

TBR Co-requisite Full Implementation

<table>
<thead>
<tr>
<th>Sub-score</th>
<th>Full Implementation - Fall 2015 (6071 Students)</th>
<th>Full Implementation Fall &amp; Spring 2015-16 (7147 Students)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;=13</td>
<td>25.3%</td>
<td>53.9%</td>
</tr>
<tr>
<td>14</td>
<td>27.8%</td>
<td>50.1%</td>
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<tr>
<td>15</td>
<td>33.2%</td>
<td>61.2%</td>
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<tr>
<td>16</td>
<td>36.9%</td>
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<tr>
<td>17</td>
<td>37.8%</td>
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<tr>
<td>No ACT</td>
<td>25.1%</td>
<td>58.4%</td>
</tr>
<tr>
<td>Total</td>
<td>30.9%</td>
<td>58.8%</td>
</tr>
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</table>

Community Colleges
Pass Rate in English Composition II

68%

Completion of Gateway English by ACT Sub-score

TBR Co-requisite Full Implementation

Community Colleges
Incoming Freshmen who successfully completed their Math and Writing requirements in their 1st Academic Year.
Community College students who passed a Math class in their 1st Year

Fall to Fall Retention

- Pre-requisite Model: 47%
- Co-requisite Model: 63%

Earned Credit Hours

- Pre-requisite Model: 19.1 SCH
- Co-requisite Model: 22.6 SCH
Disaggregation by Student Group

- Pass Both: 52%
- Fail Both: 36%
- Fail LS: 3%
- Fail Credit: 9%

Graph showing Earned Hour %

- Fail Both
- Fail LS
- Fail Credit
- Pass Both

ACT Math Score:

14 15 16 17 18 None
Students who Failed Both Courses

Earned Hours

Hours Earned by Full Time Students

<12  |  12  |  13  |  14  |  15  |  16  |  17  |  18  | No ACT
Academic Mindset

- Natural order
- Global centrality
- Major centrality
- Grade prediction
Primary Drivers of Productive Persistence

Believe they are capable of learning the material…

Feel connected to their institution and that they belong…

Believe their coursework has value…

Believe they have the skills, habits and knowhow to succeed
Believe they are capable of learning the material...

FIXED MINDSET

NEUTRAL MINDSET

GROWTH MINDSET
Feel connected to their institution and that they belong…

**Doubt That They Belong**

**Neutral**

**Believe That They Belong**
Believe their coursework has value…

- Doubt the value
- Neutral
- Affirm the value

Mathematics
Believe they have the skills, habits and knowhow to succeed.