Basic Skills at Chabot: from Research to Recommendations

The 2008-09 Basic Skills Committee ended the year with the following recommendations:

- Encourage students to take the assessment tests as early as possible before starting Chabot
- Facilitate students taking Basic Skills courses as early as possible in their Chabot career

These recommendations were based on documented best practices and research produced by the Institutional Research Office.

Research shows:

- New students who take the assessment test are much more likely to persist to the next semester
- New students who take Basic Skills courses in their first semester are more likely to persist to the next semester

How to contact Institutional Research Staff
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How to Request Custom Research

We can provide research on specific questions related to your discipline or program, data for program review or unit plans, or help with designing surveys for your program. Just ask!

To initiate your research request, contact the Research Analyst or Coordinator by phone or Email. We will clarify your request and your timeline and provide a completion date. If there is a conflict, research requests will be prioritized based on college research priorities.

Latest IR Research on IR Website

The latest student and staff demographic and survey data, student outcomes data, and local educational statistics can be found on the Chabot Institutional Research website:
www.chabotcollege.edu/ir/
Meet the Staff of the Institutional Research Office

Carolyn Arnold has been the Coordinator of Institutional Research and Grants since Fall 2000. She reports to the President and has been a faculty member at Chabot since 1993, when she was hired as the lone Institutional Researcher. In that position, she developed the research capacity of the IR Office. In 2000, to meet increased demands for research, planning, and grant-writing, two full-time classified positions were created—Research Analyst and Grant Developer/Writer—and Carolyn became the faculty Coordinator of both offices. Besides conducting research, Carolyn works on SLOs, Accreditation, and planning, and insures that the research and grant agendas align with college strategic planning priorities. She has a B.A. in Education from Smith College, an M.A. in Women Studies from SFSU, and an M.S. in Statistics and Ph.D. in Sociology of Education from Stanford.

Rajinder Samra has been the Research Analyst since September 2001. He produces all the reports, conducts and coordinates student and staff surveys, responds to ad-hoc research requests, and programs student data using SPSS and BrioQuery, the query language of the IR dataset. Rajinder, a former Chabot student, has a B.A. in Psychology from UC Santa Cruz and an M.S. in Industrial/Organizational Psychology from SJSU. He is also an adjunct Psychology instructor at Chabot.

In addition, part-time research assistance and programming is provided by two students:

David Rodriguez joined the office in September 2007 as the Research Assistant. He has quickly become indispensable for turning programming results into accurate Excel tables and graphs that illustrate data on student characteristics and student outcomes. A San Lorenzo High graduate, he is in his fourth year at Chabot, majoring in Chemistry. He plans to transfer to UC Berkeley and earn a degree in Molecular and Cell Biology.

Lawrence Fetter joined the office in October 2008 as a BrioQuery programmer, and he picked up the programming rapidly. A Castro Valley High graduate, he is in his second year at Chabot, majoring in Mechanical Engineering. He plans to transfer to UC Berkeley and work as a weapons engineer for the US military.

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Basic Facts about Basic Skills

### The Numbers

<table>
<thead>
<tr>
<th>Course</th>
<th>Number</th>
<th>Basic Skills</th>
<th>Sections Offered at Chabot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>53</td>
<td>56%</td>
<td>2,312</td>
</tr>
<tr>
<td>English</td>
<td>48</td>
<td>33%</td>
<td>1,402</td>
</tr>
<tr>
<td>ESL</td>
<td>25</td>
<td>100%</td>
<td>485</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>126</td>
<td>48%</td>
<td>3,499</td>
</tr>
</tbody>
</table>

### The Success

#### Success Rates in Basic Skills Courses Fall 2008

<table>
<thead>
<tr>
<th>Course</th>
<th>Overall</th>
<th>Math 105</th>
<th>Math 65</th>
<th>Math 55</th>
<th>College Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>41%</td>
<td>38%</td>
<td>41%</td>
<td>39%</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>58%</td>
<td>53%</td>
<td>56%</td>
<td>63%</td>
<td></td>
</tr>
<tr>
<td>ESL</td>
<td>70%</td>
<td></td>
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</tr>
</tbody>
</table>

#### Of those succeeding, percentage who persist and succeed in the next level within two years (Fall 07->Sum09)

<table>
<thead>
<tr>
<th>Course</th>
<th>From</th>
<th>To</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>MATH 105 → MATH 65</td>
<td>35%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 65 → MATH 55</td>
<td>28%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 55 → College Math</td>
<td>43%</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>ENGL 101A → ENGL 101B</td>
<td>58%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENGL 101B → College English</td>
<td>65%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENGL 101A → College English</td>
<td>48%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENGL 102 → College English</td>
<td>72%</td>
<td></td>
</tr>
<tr>
<td>ESL</td>
<td>ESL 110D → ENGL 101A/102</td>
<td>71%</td>
<td></td>
</tr>
</tbody>
</table>
Research shows:
- Over 80% of students who took the assessment test were recommended to take Basic Skills courses.
- Half of those recommended to take Basic Skills courses took them in their first semester.
- Less than 10% of students who did not take the Assessment test took Basic Skills courses.
Benefits of Taking Assessment Tests and Basic Skills Courses

Research shows:

- The earlier in the year that students took the assessment test, the more likely they were to be taking a Basic Skills course that Fall.
- If they did not take an assessment test, they were not likely to be taking a Basic Skills course, even though they could have enrolled at any point in the year.

New Fall 2008 students assessed into Basic Skills English:
Percentage taking Basic Skills English or no English courses their first semester based on their Assessment-taking period or not being assessed

Research shows:

- The higher the English course in which students have succeeded, the more successful they are in the major General Education courses.
- Even just taking a Basic Skills English course increases general education success rates significantly.