## Research Briefs from the Office of Research \& Planning The Relationship between Student Success in Six General Education Courses and the Student's English, Reading, and Math Levels

Purpose: The purpose of this brief is to illustrate whether a student's English, math, and/or reading level is related to student success in the following six General Education (GE) transferable courses: ANTHRO-102 (Cultural Anthropology), CD-105 (Child Growth and Development), ECON-100 (Introduction to Economics), ECON-200 (Principles of Macroeconomics), ECON-201 (Principles of Microeconomics), HIST-100 (History of the United States to 1877), HIST-101 (History of the United States 1865 to Present), PSYCH100 (General Psychology), and SOC-100 (Introduction to Sociology).

## Summary of Findings:

- As English, reading, and math skill level of the student increases so does the likelihood that students will successfully complete one of the six GE courses
- The overall success rate for students at the lowest English course level (i.e. READ925) was $39 \%$ and the success rate at the highest English course level (i.e. ENGL101 or higher) is $80 \%$
- The overall success rate for students at the lowest reading course level (i.e. READ925) was $46 \%$ and the success rate at the highest reading course level (i.e. READ078) is $69 \%$
- The overall success rate for students at the lowest math course level (i.e. MATH942/943) was $59 \%$ and the success rate at the highest math course level (i.e. all transfer level courses) is $80 \%$

Figure 1: English, Reading, and Math Skill Level by GE Course Success.

*Results for MATH-952/953 (Prealgebra) were excluded because they only included less than $1 \%$ of all records.

Methodology: The success rates in 2009-2010 for students who earned a GOR in the six General Education (GE) courses were examined by English, reading, and math levels to examine the relationship between skill level and student success. The following GE courses were selected because they have consistently had the highest enrollments each year: ANTHRO-102 (Cultural Anthropology), CD-105 (Child Growth and Development), ECON-100 (Introduction to Economics), ECON-200 (Principles of Macroeconomics), ECON-201 (Principles of Microeconomics), HIST-100 (History of the United States to 1877), HIST-101 (History of the United States 1865 to Present), PSYCH-100 (General Psychology), and SOC100 (Introduction to Sociology). In addition to the six GE courses listed above, two PE courses were also examined as a method of controlling for whether skill level is related to student success. Specifically, if skill level is positively and linearly related to student success than there will not be a positive linear relationship with PE. The two PE courses that were chosen were PE/I-108X4 (Weight Training) and PE/I-168X4 (Yoga) because they are two PE courses with the highest enrollment. The method of using PE courses as a control was presented at the 2011 Research and Planning Group Conference (Johnstone, 2011). Figure 2 and Tables 1 - 6 indicate that skill level did not have a positive linear relationship with GE course success.

Figure 2: English, Reading, and Math Skill Level by PE/I Course Success.

*Results for MATH-952/953 (Prealgebra) were excluded because they only included less than 1\% of all records.
Two methods were used to identify a student's skill level prior to entering the GE or PE course. The highest English, reading, or math course successfully completed or a student's highest placement result was used. As an illustration, if a student placed into ENGL-101 then that was treated as a student successfully completing ENGL-015. The highest placement or successful course completion was used for English, reading, and math.

Definitions: The number of GOR refers to one of the following grades and is also the number of students enrolled at census: A, B, C, D, F, P (CR), NP (NC), I, or W. Success rate is the number of $A, B, C$, or $P$ grades divided by the number of GOR. A positive linear relationship means that if students are at a lower skill level they will have a lower success rate and if they are at a higher skill level they will have a higher success rate.

Limitations: The information illustrated in this brief is not intended to be used as justification to establish prerequisites for the GE courses. Performance in the GE courses was only examined for one academic year (i.e. Summer 2009, Fall 2010, and Spring 2010), and research would need to include at least one additional year while excluding summer to provide a better indication of the need to establish a prerequisite. In addition, disproportionate impact would also need to be examined.

A second limitation is the number of cases by course within each school year. For example, two areas of concern included the economics courses and the MATH-952/953 (Prealgebra) math level. First, referring to Tables $1-3$, very few students had either successfully completed or taken the assessment test prior to earning a GOR in ECON-100, 200, or 201 suggesting that the nonlinear relationships in the economics courses may be misleading. Second, very few students successfully completed MATH-952/953 or placed into MATH-090 prior to taking a GE course. For instance, in total, only 44 records (1\%) identified students at the MATH-952/953 skill level prior to taking a GE course, again suggesting that the relationship to GE success may be misleading (see Table 3).

A third limitation is the percent of records where students had either successfully completed an English, reading, or math course or those who had assessed prior to the start of the GE course. Reading had the lowest percentage (29\%) of records where students had either successfully completed a reading course or assessed prior to earning a GOR in a GE course. In addition, $56 \%$ had assessed or successfully completed a math course and $64 \%$ had assessed or successfully completed an English course prior to the start of the GE courses. Accordingly, the results for English are more likely to be an accurate reflection of skill level and GE course success than either math or reading, and math is likely more accurate than reading.

Findings: Tables 1 - 3 illustrate the relationship between English, reading, and math skill level with success in the six GE courses. Tables $4-6$ summarize the information in Tables $1-3$. The results indicate that as English, reading, and math skill level of the student increases so does the likelihood that students will successfully complete the GE course. For instance, the overall success rate while excluding the PE/I courses for students at the lowest English course level (i.e. READ-925) was $39 \%$ and the success rate at the highest English course level (i.e. ENGL-101 or higher) was $80 \%$. This positive linear relationship exists for English with ANTHRO-102, CD-105, HIST-100 and 101, PSYCH-100, and SOC-100. In addition, the overall success rate while excluding the PE/I courses for students at the lowest reading course level (i.e. READ-925) was $46 \%$ and the success rate at the highest reading course level (i.e. READ-078) was 69\%. This positive linear relationship exists for reading with ANTHRO-102, HIST-100 and 101, PSYCH-100, and SOC-100. Finally, the positive linear relationship also exists for math when excluding MATH-952/953 because of the low number of cases. The overall success rate while excluding the PE/I courses for students at the lowest math course level (i.e. MATH-942/943) was $59 \%$ and the success rate at the highest math course level (i.e. all transfer level courses) was $80 \%$. This positive linear relationship exists for math with ANTHRO-102, CD-105, HIST-100 and 101, and PSYCH100.

## Reference:

Johnstone, R. (2011). Three reports that could energize your campus discussions about student success. 2011 RP Group Conference. Retrieved June 6, 2011 from http://www.rpgroup.org/sites/default/files/Session\ 9\ \ Three\ Studies\ to\ Drive\ Student\ Success.pptx

Table 1: English Skill Level by GE and PE Course Success Rate in the 2009-2010 Academic Year.

| Course/Level | Success | GOR | \% | Course/Level | Success | GOR | \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ANTHO-102 |  |  |  | HIST-101 |  |  |  |
| Unknown | 36 | 64 | 56.3 | Unknown | 146 | 277 | 52.7 |
| READ-925 | 1 | 5 | 20.0 | READ-925 | 13 | 36 | 36.1 |
| ENGL-914 | 4 | 14 | 28.6 | ENGL-914 | 24 | 43 | 55.8 |
| ENGL-015 | 12 | 27 | 44.4 | ENGL-015 | 90 | 149 | 60.4 |
| ENGL-101 or higher | 47 | 60 | 78.3 | ENGL-101 or higher | 227 | 309 | 73.5 |
| Total | 100 | 170 | 58.8 | Total | 500 | 814 | 61.4 |
| CD-105 |  |  |  | PE/I-108X4 |  |  |  |
| Unknown | 101 | 181 | 55.8 | Unknown | 83 | 97 | 85.6 |
| READ-925 | 8 | 25 | 32.0 | READ-925 | 31 | 41 | 75.6 |
| ENGL-914 | 16 | 35 | 45.7 | ENGL-914 | 31 | 35 | 88.6 |
| ENGL-015 | 43 | 82 | 52.4 | ENGL-015 | 58 | 67 | 86.6 |
| ENGL-101 or higher | 83 | 124 | 66.9 | ENGL-101 or higher | 73 | 82 | 89.0 |
| Total | 251 | 447 | 56.2 | Total | 276 | 322 | 85.7 |
| ECON-100 |  |  |  | PE/I-168X4 |  |  |  |
| Unknown | 13 | 34 | 38.2 | Unknown | 69 | 116 | 59.5 |
| READ-925 | 4 | 4 | 100.0 | READ-925 | 12 | 21 | 57.1 |
| ENGL-914 | 2 | 3 | 66.7 | ENGL-914 | 24 | 31 | 77.4 |
| ENGL-015 | 12 | 18 | 66.7 | ENGL-015 | 35 | 52 | 67.3 |
| ENGL-101 or higher | 27 | 49 | 55.1 | ENGL-101 or higher | 96 | 122 | 78.7 |
| Total | 58 | 108 | 53.7 | Total | 236 | 342 | 69.0 |
| ECON-200 |  |  |  | PSYCH-100 |  |  |  |
| Unknown | 26 | 55 | 47.3 | Unknown | 257 | 394 | 65.2 |
| READ-925 | 1 | 1 | 100.0 | READ-925 | 20 | 45 | 44.4 |
| ENGL-914 | 8 | 8 | 100.0 | ENGL-914 | 53 | 92 | 57.6 |
| ENGL-015 | 22 | 31 | 71.0 | ENGL-015 | 165 | 227 | 72.7 |
| ENGL-101 or higher | 62 | 93 | 66.7 | ENGL-101 or higher | 294 | 360 | 81.7 |
| Total | 119 | 188 | 63.3 | Total | 789 | 1,118 | 70.6 |
| ECON-201 |  |  |  | SOC-100 |  |  |  |
| Unknown | 31 | 63 | 49.2 | Unknown | 197 | 310 | 63.5 |
| READ-925 | 0 | 1 | 0.0 | READ-925 | 21 | 48 | 43.8 |
| ENGL-914 | 5 | 6 | 83.3 | ENGL-914 | 66 | 100 | 66.0 |
| ENGL-015 | 14 | 26 | 53.8 | ENGL-015 | 88 | 126 | 69.8 |
| ENGL-101 or higher | 58 | 76 | 76.3 | ENGL-101 or higher | 179 | 225 | 79.6 |
| Total | 108 | 172 | 62.8 | Total | 551 | 809 | 68.1 |
| HIST-100 |  |  |  | TOTAL (Excludes PE/I Courses) |  |  |  |
| Unknown | 93 | 197 | 47.2 | Unknown | 900 | 1,575 | 57.1 |
| READ-925 | 7 | 28 | 25.0 | READ-925 | 75 | 193 | 38.9 |
| ENGL-914 | 11 | 30 | 36.7 | ENGL-914 | 189 | 331 | 57.1 |
| ENGL-015 | 64 | 123 | 52.0 | ENGL-015 | 510 | 809 | 63.0 |
| ENGL-101 or higher | 155 | 223 | 69.5 | ENGL-101 or higher | 1,132 | 1,519 | 74.5 |
| Total | 330 | 601 | 54.9 | Total | 2,806 | 4,427 | 63.4 |

Table 2: Reading Skill Level by GE and PE Course Success Rate in the 2009-2010 Academic Year.

| Course/Level | Success | GOR | \% | Course/Level | Success | GOR | \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ANTHO-102 |  |  |  | HIST-101 |  |  |  |
| Unknown | 73 | 117 | 62.4 | Unknown | 360 | 576 | 62.5 |
| READ-925 | 2 | 10 | 20.0 | READ-925 | 19 | 52 | 36.5 |
| READ-956 | 8 | 14 | 57.1 | READ-956 | 26 | 44 | 59.1 |
| READ-078 | 17 | 29 | 58.6 | READ-078 | 95 | 142 | 66.9 |
| Total | 100 | 170 | 58.8 | Total | 500 | 814 | 61.4 |
| CD-105 |  |  |  | PE/I-108X4 |  |  |  |
| Unknown | 185 | 306 | 60.5 | Unknown | 159 | 186 | 85.5 |
| READ-925 | 14 | 41 | 34.1 | READ-925 | 37 | 49 | 75.5 |
| READ-956 | 16 | 28 | 57.1 | READ-956 | 26 | 27 | 96.3 |
| READ-078 | 36 | 72 | 50.0 | READ-078 | 54 | 60 | 90.0 |
| Total | 251 | 447 | 56.2 | Total | 276 | 322 | 85.7 |
| ECON-100 |  |  |  | PE/I-168X4 |  |  |  |
| Unknown | 36 | 77 | 46.8 | Unknown | 167 | 243 | 68.7 |
| READ-925 | 4 | 5 | 80.0 | READ-925 | 14 | 23 | 60.9 |
| READ-956 | 2 | 4 | 50.0 | READ-956 | 30 | 36 | 83.3 |
| READ-078 | 16 | 22 | 72.7 | READ-078 | 25 | 40 | 62.5 |
| Total | 58 | 108 | 53.7 | Total | 236 | 342 | 69.0 |
| ECON-200 |  |  |  | PSYCH-100 |  |  |  |
| Unknown | 82 | 139 | 59.0 | Unknown | 557 | 795 | 70.1 |
| READ-925 | 5 | 5 | 100.0 | READ-925 | 38 | 66 | 57.6 |
| READ-956 | 3 | 4 | 75.0 | READ-956 | 54 | 81 | 66.7 |
| READ-078 | 29 | 40 | 72.5 | READ-078 | 140 | 176 | 79.5 |
| Total | 119 | 188 | 63.3 | Total | 789 | 1118 | 70.6 |
| ECON-201 |  |  |  | SOC-100 |  |  |  |
| Unknown | 85 | 139 | 61.2 | Unknown | 373 | 548 | 68.1 |
| READ-925 | 2 | 3 | 66.7 | READ-925 | 39 | 74 | 52.7 |
| READ-956 | 2 | 5 | 40.0 | READ-956 | 47 | 66 | 71.2 |
| READ-078 | 19 | 25 | 76.0 | READ-078 | 92 | 121 | 76.0 |
| Total | 108 | 172 | 62.8 | Total | 551 | 809 | 68.1 |
| HIST-100 |  |  |  | TOTAL (Excludes PE/I Courses) |  |  |  |
| Unknown | 249 | 439 | 56.7 | Unknown | 2,000 | 3,136 | 63.8 |
| READ-925 | 14 | 42 | 33.3 | READ-925 | 137 | 298 | 46.0 |
| READ-956 | 13 | 25 | 52.0 | READ-956 | 171 | 271 | 63.1 |
| READ-078 | 54 | 95 | 56.8 | READ-078 | 498 | 722 | 69.0 |
| Total | 330 | 601 | 54.9 | Total | 2,806 | 4,427 | 63.4 |

Table 3: Math Skill Level by GE and PE Course Success Rate in the 2009-2010 Academic Year.

| Course/Level | Success | GOR | \% | Course/Level | Success | GOR | \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ANTHRO-102 |  |  |  | HIST-101 |  |  |  |
| Unknown | 43 | 77 | 55.8 | Unknown | 180 | 357 | 50.4 |
| MATH-942/943 | 18 | 40 | 45.0 | MATH-942/943 | 87 | 145 | 60.0 |
| MATH-952/953 | 1 | 1 | 100.0 | MATH-952/953 | 6 | 7 | 85.7 |
| MATH-090 | 4 | 6 | 66.7 | MATH-090 | 31 | 50 | 62.0 |
| MATH-095 | 12 | 16 | 75.0 | MATH-095 | 105 | 134 | 78.4 |
| MATH-108/115 | 8 | 10 | 80.0 | MATH-108/115 | 29 | 37 | 78.4 |
| MATH-102 | 11 | 15 | 73.3 | MATH-102 | 46 | 63 | 73.0 |
| MATH-103 | 1 | 3 | 33.3 | MATH-103 | 7 | 11 | 63.6 |
| MATH-151 | 2 | 2 | 100.0 | MATH-151 | 2 | 3 | 66.7 |
| MATH-250 |  |  |  | MATH-250 | 2 | 2 | 100.0 |
| Other Transfer Courses |  |  |  | Other Transfer Courses | 5 | 5 | 100.0 |
| Total | 100 | 170 | 58.8 | Total | 500 | 814 | 61.4 |
| CD-105 |  |  |  | PE/I-108X4 |  |  |  |
| Unknown | 107 | 205 | 52.2 | Unknown | 97 | 121 | 80.2 |
| MATH-942/943 | 42 | 97 | 43.3 | MATH-942/943 | 88 | 104 | 84.6 |
| MATH-952/953 | 2 | 3 | 66.7 | MATH-952/953 | 1 | 1 | 100.0 |
| MATH-090 | 17 | 26 | 65.4 | MATH-090 | 17 | 20 | 85.0 |
| MATH-095 | 41 | 63 | 65.1 | MATH-095 | 35 | 37 | 94.6 |
| MATH-108/115 | 12 | 16 | 75.0 | MATH-108/115 | 7 | 7 | 100.0 |
| MATH-102 | 25 | 29 | 86.2 | MATH-102 | 22 | 22 | 100.0 |
| MATH-103 | 2 | 3 | 66.7 | MATH-103 | 5 | 5 | 100.0 |
| MATH-151 | 0 | 1 | 0.0 | MATH-151 | 1 | 1 | 100.0 |
| MATH-250 | 0 | 1 | 0.0 | MATH-250 |  |  |  |
| Other Transfer Courses | 3 | 3 | 100.0 | Other Transfer Courses | 3 | 4 | 75.0 |
| Total | 251 | 447 | 56.2 | Total | 276 | 322 | 85.7 |
| ECON-100 |  |  |  | PE/I-168X4 |  |  |  |
| Unknown | 15 | 44 | 34.1 | Unknown | 85 | 141 | 60.3 |
| MATH-942/943 | 11 | 14 | 78.6 | MATH-942/943 | 54 | 76 | 71.1 |
| MATH-952/953 | 1 | 1 | 100.0 | MATH-952/953 |  |  |  |
| MATH-090 | 4 | 8 | 50.0 | MATH-090 | 21 | 27 | 77.8 |
| MATH-095 | 10 | 15 | 66.7 | MATH-095 | 39 | 54 | 72.2 |
| MATH-108/115 | 5 | 7 | 71.4 | MATH-108/115 | 9 | 12 | 75.0 |
| MATH-102 | 7 | 12 | 58.3 | MATH-102 | 23 | 25 | 92.0 |
| MATH-103 | 1 | 2 | 50.0 | MATH-103 | 2 | 3 | 66.7 |
| MATH-151 | 3 | 4 | 75.0 | MATH-151 | 0 | 1 | 0.0 |
| MATH-250 |  |  |  | MATH-250 |  |  |  |
| Other Transfer Courses | 1 | 1 | 100.0 | Other Transfer Courses | 3 | 3 | 100.0 |
| Total | 58 | 108 | 53.7 | Total | 236 | 342 | 69.0 |

(Table 3 continues on the next page!)
(Table 3 continued!)

| Course/Level | Success | GOR | \% | Course/Level | Success | GOR | \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ECON-200 |  |  |  | PSYCH-100 |  |  |  |
| Unknown | 29 | 64 | 45.3 | Unknown | 327 | 501 | 65.3 |
| MATH-942/943 | 14 | 19 | 73.7 | MATH-942/943 | 140 | 214 | 65.4 |
| MATH-952/953 | 1 | 1 | 100.0 | MATH-952/953 | 12 | 16 | 75.0 |
| MATH-090 | 6 | 11 | 54.5 | MATH-090 | 65 | 87 | 74.7 |
| MATH-095 | 17 | 29 | 58.6 | MATH-095 | 136 | 178 | 76.4 |
| MATH-108/115 | 15 | 22 | 68.2 | MATH-108/115 | 31 | 36 | 86.1 |
| MATH-102 | 23 | 27 | 85.2 | MATH-102 | 56 | 62 | 90.3 |
| MATH-103 | 4 | 4 | 100.0 | MATH-103 | 5 | 6 | 83.3 |
| MATH-151 | 5 | 5 | 100.0 | MATH-151 | 6 | 7 | 85.7 |
| MATH-250 | 5 | 5 | 100.0 | MATH-250 | 6 | 6 | 100.0 |
| Other Transfer Courses | 0 | 1 | 0.0 | Other Transfer Courses | 5 | 5 | 100.0 |
| Total | 119 | 188 | 63.3 | Total | 789 | 1118 | 70.6 |
| ECON-201 |  |  |  | SOC-100 |  |  |  |
| Unknown | 30 | 68 | 44.1 | Unknown | 210 | 352 | 59.7 |
| MATH-942/943 | 13 | 16 | 81.3 | MATH-942/943 | 115 | 180 | 63.9 |
| MATH-952/953 | 3 | 3 | 100.0 | MATH-952/953 | 9 | 9 | 100.0 |
| MATH-090 | 6 | 11 | 54.5 | MATH-090 | 50 | 61 | 82.0 |
| MATH-095 | 15 | 24 | 62.5 | MATH-095 | 94 | 117 | 80.3 |
| MATH-108/115 | 11 | 14 | 78.6 | MATH-108/115 | 24 | 28 | 85.7 |
| MATH-102 | 21 | 26 | 80.8 | MATH-102 | 36 | 44 | 81.8 |
| MATH-103 | 3 | 4 | 75.0 | MATH-103 | 7 | 10 | 70.0 |
| MATH-151 | 3 | 3 | 100.0 | MATH-151 | 1 | 2 | 50.0 |
| MATH-250 | 3 | 3 | 100.0 | MATH-250 | 1 | 2 | 50.0 |
| Other Transfer Courses |  |  |  | Other Transfer Courses | 4 | 4 | 100.0 |
| Total | 108 | 172 | 62.8 | Total | 551 | 809 | 68.1 |
| HIST-100 |  |  |  | TOTAL (Excludes PE/I Courses) |  |  |  |
| Unknown | 119 | 258 | 46.1 | Unknown | 1060 | 1926 | 55.0 |
| MATH-942/943 | 39 | 87 | 44.8 | MATH-942/943 | 479 | 812 | 59.0 |
| MATH-952/953 | 2 | 3 | 66.7 | MATH-952/953 | 37 | 44 | 84.1 |
| MATH-090 | 24 | 49 | 49.0 | MATH-090 | 207 | 309 | 67.0 |
| MATH-095 | 68 | 103 | 66.0 | MATH-095 | 498 | 679 | 73.3 |
| MATH-108/115 | 21 | 30 | 70.0 | MATH-108/115 | 156 | 200 | 78.0 |
| MATH-102 | 39 | 49 | 79.6 | MATH-102 | 264 | 327 | 80.7 |
| MATH-103 | 7 | 9 | 77.8 | MATH-103 | 37 | 52 | 71.2 |
| MATH-151 | 5 | 6 | 83.3 | MATH-151 | 27 | 33 | 81.8 |
| MATH-250 | 2 | 2 | 100.0 | MATH-250 | 19 | 21 | 90.5 |
| Other Transfer Courses | 4 | 5 | 80.0 | Other Transfer Courses | 22 | 24 | 91.7 |
| Total | 330 | 601 | 54.9 | Total | 2806 | 4427 | 63.4 |

Table 4: Summary of English Skill Level by GE and PE Course Success Rate in the 2009-2010 Academic Year.

| English Levels | Course Success Rates |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { ANTHRO- } \\ 102 \end{gathered}$ | $\begin{aligned} & \text { CD- } \\ & 105 \end{aligned}$ | ECON-100 | $\begin{gathered} \text { ECON- } \\ 200 \end{gathered}$ | $\begin{gathered} \text { ECON- } \\ 201 \end{gathered}$ | $\begin{aligned} & \text { HIST- } \\ & 100 \end{aligned}$ | $\begin{gathered} \text { HIST- } \\ 101 \end{gathered}$ | $\begin{gathered} \text { PE/I- } \\ \text { 108X4 } \end{gathered}$ | $\begin{gathered} \text { PE/I- } \\ \text { 168X4 } \end{gathered}$ | $\begin{gathered} \text { PSYCH- } \\ 100 \end{gathered}$ | $\begin{gathered} \text { SOC- } \\ 100 \end{gathered}$ | Total* |
| Not in English Course | 56.3\% | 55.8\% | 38.2\% | 47.3\% | 49.2\% | 47.2\% | 52.7\% | 85.6\% | 59.5\% | 65.2\% | 63.5\% | 57.1\% |
| READ-925 | 20.0\% | 32.0\% | 100.0\% | 100.0\% | 0.0\% | 25.0\% | 36.1\% | 75.6\% | 57.1\% | 44.4\% | 43.8\% | 38.9\% |
| ENGL-914 | 28.6\% | 45.7\% | 66.7\% | 100.0\% | 83.3\% | 36.7\% | 55.8\% | 88.6\% | 77.4\% | 57.6\% | 66.0\% | 57.1\% |
| ENGL-015 | 44.4\% | 52.4\% | 66.7\% | 71.0\% | 53.8\% | 52.0\% | 60.4\% | 86.6\% | 67.3\% | 72.7\% | 69.8\% | 63.0\% |
| ENGL-101 or higher | 78.3\% | 66.9\% | 55.1\% | 66.7\% | 76.3\% | 69.5\% | 73.5\% | 89.0\% | 78.7\% | 81.7\% | 79.6\% | 74.5\% |
| Total | 58.8\% | 56.2\% | 53.7\% | 63.3\% | 62.8\% | 54.9\% | 61.4\% | 85.7\% | 69.0\% | 70.6\% | 68.1\% | 63.4\% |
| Total GOR | 170 | 447 | 108 | 188 | 172 | 601 | 814 | 322 | 342 | 1,118 | 809 | 4,427 |

Table 5: Summary of Reading Skill Level by GE and PE Course Success Rate in the 2009-2010 Academic Year.

| Reading Levels | Course Success Rates |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { ANTHRO- } \\ 102 \end{gathered}$ | $\begin{aligned} & \hline \text { CD- } \\ & 105 \end{aligned}$ | ECON-100 | $\begin{aligned} & \text { ECON- } \\ & 200 \end{aligned}$ | $\begin{aligned} & \text { ECON- } \\ & 201 \end{aligned}$ | $\begin{gathered} \hline \text { HIST- } \\ 100 \end{gathered}$ | $\begin{gathered} \hline \text { HIST- } \\ 101 \end{gathered}$ | $\begin{aligned} & \text { PE/I- } \\ & 108 \times 4 \end{aligned}$ | $\begin{aligned} & \text { PE/I- } \\ & 168 \times 4 \end{aligned}$ | $\begin{gathered} \hline \text { PSYCH- } \\ 100 \end{gathered}$ | $\begin{aligned} & \text { SOC- } \\ & 100 \end{aligned}$ | Total* |
| Not in Reading Course | 62.4\% | 60.5\% | 46.8\% | 59.0\% | 61.2\% | 56.7\% | 62.5\% | 85.5\% | 68.7\% | 70.1\% | 68.1\% | 63.8\% |
| READ-925 | 20.0\% | 34.1\% | 80.0\% | 100.0\% | 66.7\% | 33.3\% | 36.5\% | 75.5\% | 60.9\% | 57.6\% | 52.7\% | 46.0\% |
| READ-956 | 57.1\% | 57.1\% | 50.0\% | 75.0\% | 40.0\% | 52.0\% | 59.1\% | 96.3\% | 83.3\% | 66.7\% | 71.2\% | 63.1\% |
| READ-078 | 58.6\% | 50.0\% | 72.7\% | 72.5\% | 76.0\% | 56.8\% | 66.9\% | 90.0\% | 62.5\% | 79.5\% | 76.0\% | 69.0\% |
| Total | 58.8\% | 56.2\% | 53.7\% | 63.3\% | 62.8\% | 54.9\% | 61.4\% | 85.7\% | 69.0\% | 70.6\% | 68.1\% | 63.4\% |
| Total GOR | 170 | 447 | 108 | 188 | 172 | 601 | 814 | 322 | 342 | 1,118 | 809 | 4,427 |

Table 6: Summary of Math Skill Level by GE and PE Course Success Rate in the 2009-2010 Academic Year.

| Math Levels | Course Success Rates |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { ANTHRO- } \\ 102 \end{gathered}$ | CD-105 | ECON-100 | $\begin{gathered} \text { ECON- } \\ 200 \end{gathered}$ | $\begin{gathered} \text { ECON- } \\ 201 \end{gathered}$ | $\begin{gathered} \text { HIST- } \\ 100 \end{gathered}$ | $\begin{gathered} \text { HIST- } \\ 101 \end{gathered}$ | $\begin{gathered} \text { PE/I- } \\ \text { 108X4 } \end{gathered}$ | $\begin{gathered} \text { PE/I- } \\ 168 \mathrm{X} 4 \end{gathered}$ | $\begin{gathered} \hline \text { PSYCH- } \\ 100 \end{gathered}$ | $\begin{aligned} & \hline \text { SOC- } \\ & 100 \end{aligned}$ | Total* |
| Not in Math Course | 55.8\% | 52.2\% | 34.1\% | 45.3\% | 44.1\% | 46.1\% | 50.4\% | 80.2\% | 60.3\% | 65.3\% | 59.7\% | 55.0\% |
| MATH-942/943 | 45.0\% | 43.3\% | 78.6\% | 73.7\% | 81.3\% | 44.8\% | 60.0\% | 84.6\% | 71.1\% | 65.4\% | 63.9\% | 59.0\% |
| MATH-952/953 | 100.0\% | 66.7\% | 100.0\% | 100.0\% | 100.0\% | 66.7\% | 85.7\% | 100.0\% |  | 75.0\% | 100.0\% | 84.1\% |
| MATH-090 | 66.7\% | 65.4\% | 50.0\% | 54.5\% | 54.5\% | 49.0\% | 62.0\% | 85.0\% | 77.8\% | 74.7\% | 82.0\% | 67.0\% |
| MATH-095 | 75.0\% | 65.1\% | 66.7\% | 58.6\% | 62.5\% | 66.0\% | 78.4\% | 94.6\% | 72.2\% | 76.4\% | 80.3\% | 73.3\% |
| MATH-108/115 | 80.0\% | 75.0\% | 71.4\% | 68.2\% | 78.6\% | 70.0\% | 78.4\% | 100.0\% | 75.0\% | 86.1\% | 85.7\% | 78.0\% |
| MATH-102 | 73.3\% | 86.2\% | 58.3\% | 85.2\% | 80.8\% | 79.6\% | 73.0\% | 100.0\% | 92.0\% | 90.3\% | 81.8\% | 80.7\% |
| MATH-103 | 33.3\% | 66.7\% | 50.0\% | 100.0\% | 75.0\% | 77.8\% | 63.6\% | 100.0\% | 66.7\% | 83.3\% | 70.0\% | 71.2\% |
| MATH-151 | 100.0\% | 0.0\% | 75.0\% | 100.0\% | 100.0\% | 83.3\% | 66.7\% | 100.0\% | 0.0\% | 85.7\% | 50.0\% | 81.8\% |
| MATH-250 |  | 0.0\% |  | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  | 100.0\% | 50.0\% | 90.5\% |
| Other Transfer Courses |  | 100.0\% | 100.0\% | 0.0\% |  | 80.0\% | 100.0\% | 75.0\% | 100.0\% | 100.0\% | 100.0\% | 91.7\% |
| Total | 58.8\% | 56.2\% | 53.7\% | 63.3\% | 62.8\% | 54.9\% | 61.4\% | 85.7\% | 69.0\% | 70.6\% | 68.1\% | 63.4\% |
| Total GOR | 170 | 447 | 108 | 188 | 172 | 601 | 814 | 322 | 342 | 1,118 | 809 | 4,427 |

*The Total in Tables 4-6 includes all courses except for the PE/I courses.

