

# Success of Development Students in Subsequent Courses

Lake Region State College

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## Introduction

In 2010, the SBHE approved Policy 402.1.2, which establishes guidelines for identifying students who may require developmental courses prior to enrollment in ENGL 110 or MATH 103 or any other non-developmental mathematics course.

Prior to implementation of this policy, LRSC delivered ASC 084 Critical Reading, ASC 086 Writing Basics, ASC 091 Pre-Algebra, ASC 092 Beginning Algebra, and MATH 102 Intermediate Algebra as developmental courses.

In response to this policy, LRSC modified its developmental course offerings and, effective fall semester 2012, began offering ASC 086 Preparatory English, ASC 088 Composition Lab, ASC 091 Algebra Prep I, ASC 092 Algebra Prep II, and ASC 093 Algebra Prep III.

The following data provides information on developmental course enrollment and success rates of students enrolled in developmental courses between fall semester 2010 and summer semester 2013. Students are then tracked to determine the success rate of developmental students in subsequent courses through the spring semester 2014.

## LRSC Procedure

To comply with SBHE Policy 402.1.2, LRSC implemented the following procedures for placement into college courses.

### A. English Placement

1. Students with an ACT English sub-test score of 18 or higher or an equivalent assessment may enroll in English 110 or any other non-developmental English courses.
2. Students with ACT English subtest scores of 14-17 or approved equivalents may take ENGL 110 if co-enrolled in ASC 088.
3. Students with an English subtest score less than 14 or approved equivalents must complete ASC 086 prior to taking ENGL 110. Students who successfully complete ASC 086 and plan to take ENGL 110 must co-enroll in ASC 088 and ENGL 110.

### B. Math Placement

1. Students with an ACT Mathematics sub-test score of 21 or higher or an equivalent assessment may enroll in MATH 103.
2. Students with ACT Mathematics sub-test score of 19-20 or approved equivalents may take ASC 093.
3. Students with ACT Mathematics sub-test score of 16-18 or approved equivalents may take ASC 092 (followed by ASC 093).
4. Students with ACT Mathematics sub-test score less than 16 or approved equivalents may begin with ASC 091 (followed by ASC 092 then ASC 093).

## Developmental Course Enrollment and Success Rates

### English Placement

#### Enrollment

| Course  | 2010-2011 | 2011-2012 | 2012-2013 | Total      |
|---------|-----------|-----------|-----------|------------|
| ASC 084 | 16        | 28        | N/A       | 44         |
| ASC 086 | 43        | 49        | 72        | 164        |
| ASC 088 | 59        | 54        | 159       | 272        |
| Total   | 118       | 131       | 231       | <b>480</b> |

#### Success Rates

| Course/Year    | 2010-2011 | 2011-2012 | 2012-2013 | 2010-2013 |
|----------------|-----------|-----------|-----------|-----------|
| <b>ASC 084</b> |           |           |           |           |
| Enrollments    | 16        | 28        |           | 44        |
| Withdrawals    | 6         | 11        |           | 17        |
| Successful     | 10        | 17        | N/A       | 27        |
| Unsuccessful   | 0         | 0         |           | 0         |
| Success Rate   | 100%      | 100%      |           | 100%      |
| <b>ASC 086</b> |           |           |           |           |
| Enrollments    | 43        | 49        | 72        | 164       |
| Withdrawals    | 16        | 17        | 24        | 57        |
| Successful     | 25        | 30        | 36        | 91        |
| Unsuccessful   | 2         | 2         | 11        | 15        |
| Success Rate   | 93%       | 94%       | 75%       | 85%       |
| <b>ASC 088</b> |           |           |           |           |
| Enrollments    | 59        | 54        | 159       | 272       |
| Withdrawals    | 17        | 16        | 44        | 77        |
| Successful     | 32        | 26        | 89        | 147       |
| Unsuccessful   | 10        | 12        | 26        | 48        |
| Success Rate   | 76%       | 68%       | 77%       | 75%       |

Of the total 44 students enrolled in ASC 084, 17 withdrew. Of the remaining 27 students, 27 were successful and 0 were unsuccessful for a success rate of 100%.

Of the total 164 students enrolled in ASC 086, 57 withdrew. Of the remaining 107 students, 91 were successful and 15 were unsuccessful for a success rate 85%.

Of the total 272 students enrolled in ASC 088, 77 withdrew. Of the remaining 195 students, 147 were successful and 48 were unsuccessful for a success rate of 75%.

## Math Placement

### Enrollment

| Course   | 2010-2011 | 2011-2012 | 2012-2013 | Total        |
|----------|-----------|-----------|-----------|--------------|
| ASC 091  | 1         | 13        | 27        | 41           |
| ASC 092  | 150       | 169       | 161       | 480          |
| ASC 093  | N/A       | 5         | 231       | 236          |
| MATH 102 | 274       | 339       | N/A       | 613          |
| Total    | 425       | 526       | 419       | <b>1,370</b> |

### Success Rates

| Course/Year     | 2010-2011 | 2011-2012 | 2012-2013 | 2010-2013 |
|-----------------|-----------|-----------|-----------|-----------|
| <b>ASC 091</b>  |           |           |           |           |
| Enrollments     | 1         | 13        | 27        | 41        |
| Withdrawals     | 1         | 3         | 8         | 12        |
| Successful      | 0         | 7         | 19        | 26        |
| Unsuccessful    | 0         | 3         | 0         | 3         |
| Success Rate    | -         | 70%       | 100%      | 90%       |
| <b>ASC 092</b>  |           |           |           |           |
| Enrollments     | 150       | 169       | 161       | 480       |
| Withdrawals     | 30        | 43        | 37        | 110       |
| Successful      | 101       | 105       | 104       | 310       |
| Unsuccessful    | 19        | 21        | 20        | 60        |
| Success Rate    | 84%       | 83%       | 84%       | 84%       |
| <b>ASC 093</b>  |           |           |           |           |
| Enrollments     | -         | 5         | 231       | 236       |
| Withdrawals     | -         | 2         | 61        | 63        |
| Successful      | -         | 3         | 133       | 136       |
| Unsuccessful    | -         | 0         | 37        | 37        |
| Success Rate    | -         | 100%      | 78%       | 79%       |
| <b>MATH 102</b> |           |           |           |           |
| Enrollments     | 274       | 339       | -         | 613       |
| Withdrawals     | 81        | 106       | -         | 187       |
| Successful      | 161       | 185       | -         | 346       |
| Unsuccessful    | 32        | 48        | -         | 80        |
| Success Rate    | 83%       | 79%       | -         | 81%       |

Of the total 41 students enrolled in ASC 091, 12 withdrew. Of the remaining 29 students, 26 were successful and 3 were unsuccessful for a success rate of 90%.

Of the total 480 students enrolled in ASC 092, 110 withdrew. Of the remaining 370 students, 310 were successful and 60 were unsuccessful for a success rate 84%.

Of the total 236 students enrolled in ASC 093, 63 withdrew. Of the remaining 173 students, 136 were successful and 37 were unsuccessful for a success rate of 79%.

Of the total 613 students enrolled in MATH 102, 187 withdrew. Of the remaining 426 students, 346 were successful and 80 were unsuccessful for a success rate of 81%.

### **Subsequent Course Success Rates**

The following data represents students who enrolled in developmental courses between fall semester 2010 and summer semester 2013 and the success rate of these students in subsequent courses through spring semester 2014.

#### ***English Placement***

| <b>Course</b> | <b>Enrollments</b> | <b>Successful</b> | <b>Unsuccessful</b> | <b>Success Rate</b> |
|---------------|--------------------|-------------------|---------------------|---------------------|
| ASC 084       | 15                 | 10                | 5                   | 67%                 |
| ASC 086       | 76                 | 63                | 13                  | 83%                 |
| ASC 088       | 259                | 213               | 46                  | 82%                 |

Of the 15 students who successfully completed ASC 084 and enrolled in ENGL 110, 10 were successful and 5 were unsuccessful, for a success rate of 67%.

Of the 76 students who successfully completed ASC 086 and enrolled in ENGL 110, 63 were successful and 13 were unsuccessful, for a success rate of 83%.

Of the 259 students who were co-enrolled in ASC 088 and ENGL 110, 213 were successful and 46 were unsuccessful, for a success rate of 82%.

#### ***Math Placement***

| <b>Course</b> | <b>Enrollments</b> | <b>Successful</b> | <b>Unsuccessful</b> | <b>Success Rate</b> |
|---------------|--------------------|-------------------|---------------------|---------------------|
| ASC 093       | 121                | 109               | 12                  | 90%                 |
| MATH 102      | 148                | 136               | 12                  | 92%                 |

Of the 121 students who successfully completed ASC 093 and enrolled in MATH 103, 109 were successful and 12 were unsuccessful, for a success rate of 90%.

Of the 148 students who successfully completed MATH 102 and enrolled in MATH 103, 136 were successful and 12 were unsuccessful, for a success rate of 92%.