

# Findings of a data study of student retention, enrollment, and success rates for first year students beginning Fall 06 through Fall 07.

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Data was provided to the FYE task force from the office of College Effectiveness Assessment about first time students entering college in the Fall 06 (the cohort). The database included all courses and grades for the cohort from Summer 06 to Fall 07. The purpose of this study was to track the students' retention, enrollment, and grades for their first year of College. The study only considers performance for the cohort in 3 semesters, Fall 06, Spring 07, and Fall 07.

9 significant parts emerged from the findings and are detailed in this report:

Part 1 – Overall retention .....	2
Part 2 – Overall English and Math retention .....	3
Part 3 – ENG101.....	5
Part 4 – college level Math.....	6
Part 5 – Developmental English and Math .....	7
Part 6 – Progression from Developmental I .....	9
Part 7 – Progression from Reading I, Writing I, and Math I .....	10
Part 8– Progression from Developmental II .....	12
Part 9 - Progression from Reading II, Writing II, and Math II .....	13

## Part 1 – Overall retention

Table 1.1

<b>Fall 06 Cohort</b>		2608
<b>Retention</b>		
	Total	
Fall 06	<b>2608</b>	
Took anything Spr 07	1778	68%
Took anything Fall 07	1149	44%

- The cohort consists of 2608 students. This is the number of first time students in the Fall 06 semester.
- 1778 or 68% of the cohort returned to take classes in the Spring 07.
- 1149 or 44% of the cohort returned to take classes in the Fall 07. **56% of the first time enrollees in Fall 06 were no longer taking courses 1 year later.**

## Part 2 – Overall English and Math retention

Table 2.1

<b>Fall 06 Cohort</b>		2608		
<b>ENG Retention</b>				
	Total	ENG0**	ENG101	Neither ENG
Fall 06	<b>2608</b>	891	770	947
Took anything Spr 07	1778	683	633	462
	68%	77%	82%	49%
Took anything Fall 07	1149	505	495	149
	44%	57%	64%	16%

- 891 or 34.2% of the cohort were assigned to any one of four developmental English courses.
- Of the cohort who took any English in the first semester, 891 or 53.6% were assigned developmental English.
- Of the 891 students in the cohort who were assigned to a developmental English course in the Fall 06, 683 or 77% returned and took classes in the Spring 07.
- Of the 770 students in the cohort who took college level English in the Fall 06, 600 or 82% returned and took classes in the Spring 07.
- Student in the cohort who took English of any kind in the first semester were 3.75 times more likely to be retained into the second year than students in the cohort who did not take math in the first semester.
- **43% of the first time enrollees in Fall 06 who took developmental English in the Fall 06 semester were no longer taking courses 1 year later.**

Table 2.2

<b>MAT Retention</b>				
	Total	MAT0**	MAT 108, 110, 135, 120	Neither MAT
Fall 06	<b>2608</b>	954	423	1231
Took anything Spr 07	1778	752	343	683
	68%	79%	81%	55%
Took anything Fall 07	1149	540	293	316
	44%	57%	69%	26%

- 954 or 36.6% of the cohort were assigned to any one of the two developmental Math courses.
- Of the cohort who took Math in the first semester, 954 or 69.2% were assigned developmental Math.
- Of the 954 students in the cohort who were assigned to a developmental Math course in the Fall 06, 752 or 79% returned and took classes in the Spring 07.
- Of the 423 students in the cohort who took college level Math in the Fall 06, 343 or 81% returned and took classes in the Spring 07.
- Student in the cohort who took Math of any kind in the first semester were 2.42 times more likely to be retained into the second year than students in the cohort who did not take any math in the first semester.
- **43% of the first time enrollees in Fall 06 who took developmental Math in the Fall 06 semester were no longer taking courses 1 year later.**
- Students in the cohort who took developmental English were as likely as students in the cohort who took developmental Math to return and take classes one year later.

### Part 3 – ENG101

Table 3.1

ENG101 - Fall 06								
total	770							
	Grade	total	pass rate	took anything Spr 07	% of total	took anything Fall 07	% of total	Repeated ENG101
passed: a,b,c	462	60%	425	92%	353	76%	4	1%
w,wi,i	91	12%	47	52%	38	42%	46	51%
failed: d,f	217	28%	161	74%	104	48%	133	61%
	770		633	82%	495	78%	183	24%

- 770 students in the cohort took ENG101 in the Fall 06.
- 462 or 60% of the cohort who took ENG101 in the Fall 06 semester passed with an a,b, or c; 91 or 12% had w, wi, or I; and 217 or 28% had a grade of d or f.
- 308 or 40% of the cohort who took ENG101 in the Fall 06 semester either failed or withdrew.
- **Of the 462 students in the cohort who took ENG101 in the Fall 06 semester and passed, 425 or 92% took any class in the Spring 07 semester.**
- 183 or 24% of the cohort who took ENG101 in the Fall 06 repeated ENG101 in a future semester.

## Part 4 – college level Math

Table 4.1

MAT 108, 110, 135, 120 - Fall 06						
total	423					
Grade	total	pass rate	took anything Spr 07	% of total	took anything Fall 07	% of total
passed: a,b,c	267	63%	245	92%	210	79%
w,wi,i	47	11%	19	40%	14	30%
failed: d,f	109	26%	79	72%	69	63%
	423		343	81%	293	69%

- 423 students in the cohort took college level Math (MAT108, MAT110, MAT135, MAT120) in the Fall 06.
- 267 or 63% of the cohort who took college level math in the Fall 06 semester passed with an a,b, or c; 47 or 11% had w, wi, or I; and 109 or 26% had a grade of d or f.
- 156 or 47% of the cohort who took college level math in the Fall 06 semester either failed or withdrew.
- **Of the 267 students in the cohort who took college level math in the Fall 06 semester and passed, 245 or 92% took any class in the Spring 07 semester.**
- Students in the cohort who took ENG101 and passed were as likely as students in the cohort who took college level Math and passed to return and take classes one semester later.

## Part 5 – Developmental English and Math

Table 5.1

<b>ENG033 - Reading I - Fall 06</b>						
total	329					
Grade - Fall 06	total	pass rate	took anything Spr 07	% of total	took anything Fall 07	% of total
passed: a,b,c	209	64%	183	88%	145	69%
w,wi,i	57	17%	15	26%	7	12%
failed: nc	63	19%	41	65%	23	37%
	329		239	73%	175	73%

Table 5.2

<b>ENG034 - Reading II - Fall 06</b>						
total	369					
Grade - Fall 06	total	pass rate	took anything Spr 07	% of total	took anything Fall 07	% of total
passed: a,b,c	281	76%	256	91%	208	74%
w,wi,i	34	9%	8	24%	2	6%
failed: nc	54	15%	30	56%	15	28%
	369		294	80%	225	77%

Table 5.3

<b>ENG023 - Writing I - Fall 06</b>						
total	244					
Grade - Fall 06	total	pass rate	took anything Spr 07	% of total	took anything Fall 07	% of total
passed: a,b,c	145	59%	123	85%	91	63%
w,wi,i	45	18%	15	33%	0	0%
failed: nc	54	22%	31	57%	21	39%
	244		169	69%	112	66%

Table 5.4

<b>ENG024 - Writing II - Fall 06</b>						
total	241					
Grade - Fall 06	total	pass rate	took anything Spr 07	% of total	took anything Fall 07	% of total
passed: a,b,c	152	63%	139	91%	106	70%
w,wi,i	42	17%	16	38%	9	21%
failed: nc	47	20%	31	66%	15	32%
	241		186	77%	130	70%

Table 5.5

<b>MAT033 - Math I - Fall 06</b>						
total	491					
Grade - Fall 06	total	pass rate	took anything Spr 07	% of total	took anything Fall 07	% of total
passed: a,b,c	265	54%	246	93%	191	72%
w,wi,i	71	14%	25	35%	7	10%
failed: nc	155	32%	99	64%	47	30%
	491		370	75%	245	66%

Table 5.6

<b>MAT034 - Math II - Fall 06</b>						
total	320					
Grade - Fall 06	total	pass rate	took anything Spr 07	% of total	took anything Fall 07	% of total
passed: a,b,c	201	63%	185	92%	155	77%
w,wi,i	30	9%	8	27%	4	13%
failed: nc	89	28%	59	66%	37	42%
	320		252	79%	196	78%

- Retention rates for developmental Reading, Writing, and Math for the cohort who took the class in Fall 06 and passed are between 85 and 93%.
- 281 or 76% of the cohort who took ENG034–Reading II in the Fall 06 passed with a,b,or c. The pass rate for this course is 22% higher than the course with the next highest pass rate.

## Part 6 – Progression from Developmental I

Table 6.1

<b>Normal Progression from Developmental I</b>			
<b>ENG023 &amp; ENG033 - Level I Developmental</b>			
	took	Grade both	
Fall 06	177	passed: a,b,c	76
			43%
<b>ENG024 &amp; ENG034 - Level II Developmental</b>			
	took	Grade both	
Spr 07	70	passed: a,b,c	36
	40%		20%
<b>ENG101</b>			
	took	Grade	
Fall 07	27	passed: a,b,c	12
	15%		7%

- 177 or 19.8% of the cohort who were taking developmental English in their first semester were taking both ENG023 and ENG033 in the Fall 06.
- 76 or 43% of the cohort who took ENG023-Writing I and ENG033-Reading I in the Fall 06 semester passed both ENG023 and ENG033 with an a,b, or c.
- 70 or 40% of the cohort who took ENG023 and ENG033 in the Fall 06 semester advanced to ENG024-Writing II and ENG034-Reading II in the Spring 07 semester. 60% of the students in the cohort who took ENG023 and ENG033 in the Fall 06 semester did not advance to ENG024 and ENG034 in the Spring 07 semester.
- 36 or 20% of the cohort who took ENG023 and ENG033 in the Fall 06 semester advanced to ENG024 and ENG034 in the Spring 07 and passed both ENG024 and ENG034 with an a,b, or c.
- 27 or 15% of the cohort who took ENG023 and ENG033 in the Fall 06 semester advanced to ENG024 and ENG034 in the Spring 07 semester and also advanced to ENG101 in the Fall 07.
- **12 or 7% of the cohort who took ENG023 and ENG033 in the Fall 06 semester advanced to ENG024 and ENG034 in the Spring 07 semester and also advanced to ENG101 in the Fall 07 and passed ENG101 with an a,b, or c.**
- 12 or 44% of the cohort who progressed from Level I Developmental in one year and took ENG101 in the Fall 07 passed ENG101 with an a,b, or c.
- Students in the cohort who make it to ENG101 after taking 2 semesters of Level I remediation are 16% less likely to pass ENG101 than students in the cohort who took ENG101 in their first semester.

## Part 7 – Progression from Reading I, Writing I, and Math I

Table 7.1

<b>Normal Progression Reading I</b>			
<b>ENG033 - Reading I</b>			
	took	Grade	
Fall 06	329	passed: a,b,c	209
			64%
<b>ENG034 - Reading II</b>			
	took	Grade	
Spr 07	178	passed: a,b,c	116
	54%		35%
<b>ENG101</b>			
	took	Grade	
Fall 07	67	passed: a,b,c	29
	20%		9%

Table 7.2

<b>Normal Progression Writing I</b>			
<b>ENG023 - Writing I</b>			
	took	Grade	
Fall 06	244	passed: a,b,c	145
			59%
<b>ENG024 - Writing II</b>			
	took	Grade	
Spr 07	111	passed: a,b,c	61
	45%		25%
<b>ENG101</b>			
	took	Grade	
Fall 07	37	passed: a,b,c	16
	15%		7%

- On average 8% of the students in the cohort who begin in the Fall 06 semester taking either ENG033-Reading I or ENG023-Writing I progress to ENG101 in one year and pass with a,b, or c.

Table 7.3

<b>Normal Progression from Math I</b>			
<b>MAT033 - Basic Math</b>			
	took	Grade	
Fall 06	491	passed: a,b,c	265
			54%
<b>MAT034 - Basic Algebra</b>			
	took	Grade	
Spr 07	234	passed: a,b,c	111
	48%		23%
<b>MAT 108, 110, 135, or 120</b>			
	took	Grade	
Fall 07	79	passed: a,b,c	29
	16%		6%

- **6% of the students in the cohort who begin in the Fall 06 semester taking MAT033-Basic Math progress to college level Math (MAT108, MAT110, MAT135, MAT120) in one year and pass with a,b, or c.**
- 29 or 37% of the cohort who progressed from Basic Math to college level Math in one year and took a college level Math course in the Fall 07 passed the college level Math course with an a,b, or c.
- Students in the cohort who make it to college level Math after taking 2 semesters of developmental Math are 26% less likely to pass college level Math than students in the cohort who took college level Math in their first semester.

## Part 8– Progression from Developmental II

Table 8.1

<b>Normal Progression from Developmental II</b>			
<b>ENG024 &amp; ENG034 - Level II Developmental</b>			
	took	Grade both	
Fall 06	116	passed: a,b,c	71
			61%
<b>ENG101</b>			
	took	Grade	
Spr 07	69	passed: a,b,c	26
	59%		22%

- 116 or 13% of the cohort who were taking developmental English in their first semester were taking both ENG024 and ENG034 in the Fall 06.
- 71 or 61% of the cohort who took ENG024-Writing II and ENG034-Reading II in the Fall 06 semester passed both ENG024 and ENG034 with an a,b, or c.
- 69 or 59% of the cohort who took ENG024 and ENG034 in the Fall 06 semester advanced to ENG101 in the Spring 07 semester. 41% of the students in the cohort who took ENG024 and ENG034 in the Fall 06 semester did not advance to ENG101 in the Spring 07 semester.
- **26 or 22% of the cohort who took ENG024 and ENG034 in the Fall 06 semester advanced to ENG101 in the Spring 07 and passed ENG101 with an a,b, or c.**
- 26 or 37% of the cohort who progressed from Level II Developmental in one semester and took ENG101 in the Spring 06 passed ENG101 with an a,b, or c.
- Students in the cohort who make it to ENG101 after taking 1 semester of Level II remediation are 23% less likely to pass ENG101 than students in the cohort who took ENG101 in their first semester.

## Part 9 - Progression from Reading II, Writing II, and Math II

Table 9.1

<b>Normal Progression Reading II</b>			
<b>ENG034 - Reading II</b>			
	took	Grade	
Fall 06	369	passed: a,b,c	281
			76%
<b>ENG101</b>			
	took	Grade	
Spr 07	210	passed: a,b,c	104
	57%		28%

Table 9.2

<b>Normal Progression Writing II</b>			
<b>ENG024 - Writing II</b>			
	took	Grade	
Fall 06	241	passed: a,b,c	152
			63%
<b>ENG101</b>			
	took	Grade	
Spr 07	94	passed: a,b,c	33
	39%		14%

- 104 or 28% of the students in the cohort who begin in the Fall 06 semester taking ENG033-Reading II progress to ENG101 in one semester and pass with a,b, or c.
- 33 or 14% of the students in the cohort who begin in the Fall 06 semester taking ENG034-Writing II progress to ENG101 in one semester and pass with a,b, or c.

Table 9.3

<b>Normal Progression from Math II</b>			
<b>MAT034 - Level II Developmental</b>			
	took	Grade both	
Fall 06	320	passed: a,b,c	201
			63%
<b>MAT 108, 110, 135, or 120</b>			
	took	Grade	
Spr 07	155	passed: a,b,c	86
	48%		27%

- **86 or 27% of the students in the cohort who begin in the Fall 06 semester taking MAT034-Basic Algebra progress to college level Math (MAT108, MAT110, MAT135, MAT120) in one semester and pass with a,b, or c.**
- 86 or 55% of the cohort who progressed from Basic Algebra to college level Math in one semester and took a college level Math course in the Spring 06 passed the college level Math course with an a,b, or c.
- Students in the cohort who make it to college level Math after taking 1 semester of developmental Math are 8% less likely to pass college level Math than students in the cohort who took college level Math in their first semester.