

Institutional Analysis, Assessment & Reporting

BSU Enrollment in Remedial Math and English Courses in 2004-2005 Research Report 2005-06

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Math 15

Age	N enrolled	% of Total Grades	% Passing
19 or younger	16	6.40	37.50
20-24	52	20.80	50.00
25-29	47	18.80	70.21
30 or older	135	54.00	60.74
Total	250	100.00	58.80

Math 25

Age	N enrolled	% of Total Grades	% Passing
19 or younger	403	20.09	30.52
20-24	672	33.50	37.65
25-29	399	19.89	43.61
30 or older	532	26.52	45.11
Total	2006	100.00	39.38

Math 108

Age	N enrolled	% of Total Grades	% Passing
19 or younger	703	31.80	27.27
20-24	866	39.17	39.15
25-29	345	15.60	50.43
30 or older	297	13.43	56.57
Total	2211	100.00	42.65

Engl 90

Age	N enrolled	% of Total Grades	% Passing
19 or younger	215	42.91	75.81
20-24	144	28.74	70.14
25-29	63	12.57	63.49
30 or older	79	15.77	79.75
Total	501	100.00	73.25

To estimate the percentage of students who take remedial courses, we divided the number of course enrollments into the unduplicated headcount for 2004-2005 (N=19,722). This produces a slight over-estimate of the percentage of students enrolled in remedial courses since some students enrolled multiple times, but it provides a good “ballpark” estimate. We found that about 1% of undergraduates enrolled in MATH 15, 10% in MATH 25, 11% in MATH 108, and 2.5% in ENGL 90.

Course descriptions are as follows:

MATH 15 PRE-ALGEBRA (3-0-0). Fundamental algebraic skills needed for MATH 25. Review of arithmetic (fractions, negative numbers, and percents), and introduction to graphing, and an introduction to variables, simplifying algebraic expressions, and solving linear equations.

MATH 25 ELEMENTARY ALGEBRA (3-0-0). Brief review of arithmetic operations and their properties. Positive integer exponents, variables, algebraic expressions, solution of linear equations, definition of absolute value. Expansion of product of two binomials, factorization of quadratics, solution of quadratic equations by factoring. Two-dimensional Cartesian coordinate systems, slope, equations of lines, solution of 2-by-2 linear systems. Simple “word problems”.

MATH 108 INTERMEDIATE ALGEBRA (4-0-4). Radicals, negative and rational exponents, completing the square, quadratic formula. Linear and quadratic inequalities (including absolute value); simple systems of equations and inequalities. Multiplication of polynomials; basic factorization techniques. Manipulation of rational expressions, compound fractions, rationalization of denominator (or numerator). Introduction to the concept of function, graphs of functions and equations. Introduction to exponential and logarithmic expressions. MATH 108 is NOT a Core course, and cannot be taken for credit after any MATH course numbered MATH 143 or higher. PREREQ: MATH 25 or satisfactory placement score.

**What Happened to New BSU Students Who Enrolled in Remedial Math and English Courses: A
Longitudinal Look
Based on Fall 2003 and Fall 2004 New Freshmen (N=4080)
(Includes Information Through Fall 2005)**

Took MATH 15 (N=97)	
Passed 58 (60%)	Failed 39 (40%)
Took Math Again	
54 (93%)	17 (44%)
Took the Next Level of Math	
45 (78%)	11 (28%)
Passed Last Math Course	
25 (43%)	5 (13%)
Enrolled in Fall 2005	
35 (60%)	12 (31%)

Took MATH 25 (N=802)	
Passed 279 (35%)	Failed 523 (65%)
Took Math Again	
252 (90%)	301 (58%)
Took the Next Level of Math	
212 (76%)	51 (10%)
Passed Last Math Course	
200 (72%)	57 (11%)
Enrolled in Fall 2005	
186 (67%)	194 (37%)

Took MATH 108 (N=850)	
Passed 268 (32%)	Failed 582 (68%)
Took Math Again	
223 (83%)	391 (67%)
Took the Next Level of Math	
180 (67%)	94 (16%)
Passed Last Math Course	
163 (61%)	118 (20%)
Enrolled in Fall 2005	
184 (69%)	271 (47%)

Took ENGL 90 (N=465)	
Passed 375 (81%)	Failed 90 (19%)
Took English Again	
307 (82%)	23 (26%)
Took the Next Level of English	
307 (82%)	12 (13%)
Passed Last English Course	
235 (63%)	10 (11%)
Enrolled in Fall 2005	
191 (51%)	5 (6%)