

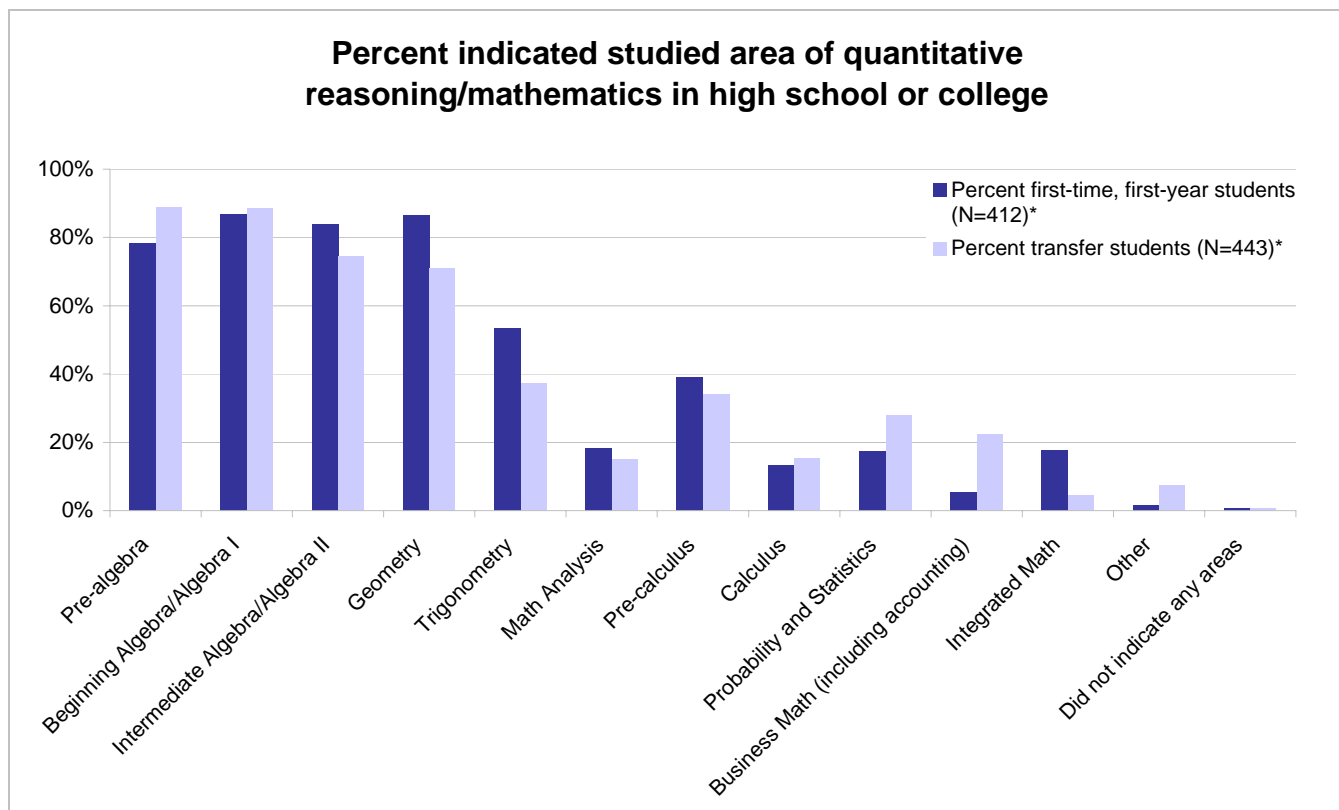
The Evergreen State College  
 Evergreen New Student Survey 2005

**Quantitative Reasoning/Mathematics Preparation**

New students were asked to indicate the areas of quantitative reasoning that they had studied in high school or college. The chart and table below show the percentage of students who indicated that they had studied each area of quantitative reasoning.

As referenced in the table below, Math Analysis is the highest level of math offered to seniors in some high schools. Math Analysis is an approach to mathematics that includes study of math systems, analytical geometry, fundamental ideas of calculus, and a focus on theorems and proofs.

Integrated Math is a combination of algebra and geometry offered in some high schools instead of the more traditional approach of offering individual classes in Algebra I or Beginning Algebra, Geometry, and Algebra II or Intermediate Algebra in a three-year sequence.



See table on next page.

*Percent first-time, first-years and transfer students who indicated studied in each area of quantitative reasoning/mathematics in high school or college*

	Percent first-time, first-year students (N=412)*	Percent transfer students (N=443)*
Pre-algebra	78.4%	88.9%
Beginning Algebra/Algebra I	86.9%	88.7%
Intermediate Algebra/Algebra II	84.0%	74.5%
Geometry	86.4%	71.1%
Trigonometry	53.4%	37.5%
Math Analysis	18.4%	15.1%
Pre-calculus	39.1%	34.1%
Calculus	13.3%	15.3%
Probability and Statistics	17.5%	28.0%
Business Math (including accounting)	5.3%	22.3%
Integrated Math	17.7%	4.5%
Other	1.7%	7.4%
Did not indicate any areas	0.7%	0.7%
Average Number of Years of Integrated Math	2.82	2.68

\* A total of five first-time, first-year respondents and two transfer students did not continue to the page on the web survey with this question. Therefore, they are not included in the statistics above.

Description of "Other" written in by first-time, first year students: Discrete, computer science; Infinite Space and 3D geometry; Math bias physics; practical math; Resource; Senior Review; Trigonometry through physics.

Description of "Other" written in for transfer students: work experience in accounting; basic math; computer program for math; computer science; self study computer science; contemporary math; discrete math; engineering math/stats; logic, formal logic, or symbolic logic (7); Practical Math 107 or practical math (4); math for health sciences; math for liberal arts (N=3); Math for Living; matrices; Philosophy 120; physics; practice math; quantifying word problems; quantitative reasoning; theory of flight.