

The UOP Mathematics Department, as well as other University departments, require placement tests for certain introductory courses. Since mathematics is used and required in many different majors, these tests are important for you. They will help place you in the optimal level of mathematics for your previous preparation. You should review before you take these tests so that you will demonstrate your current level of mathematical knowledge. You should also take the test level appropriate to your background in mathematics. We suggest:

<u>TEST FORM</u>	<u>TYPE OF TEST</u>	<u>SUGGESTED PRIOR MATH</u>
Test A	Prealgebra	Little or no algebra or algebra a long period of time ago
Test B	Elementary Algebra	1 to 1-1/2 years of high school algebra
Test C	Intermediate Algebra	2 or more years of high school algebra
Test D	Pre-calculus	At least 2 years of algebra, plus 1 year of higher mathematics including trigonometry
Test E	Calculus	1 year of calculus in high school (Advanced Placement)

Students wishing to enroll in *Calculus II* (MATH 53) or *Calculus III* (MATH 55) must pass a **Calculus** examination. Level of Calculus placement is determined by test score and possible AP credit in consultation with a faculty adviser. Successfully passing this test also satisfies the general education quantitative analysis requirement described above.

Students wishing to enroll in *Calculus I* (MATH 51) or *General Physics* (PHYS 23) must pass a **Pre-calculus** examination. Successfully passing this test also satisfies the general education quantitative analysis requirement described above.

Students wishing to enroll in *Chemistry* (CHEM 25), *Computers and Information Processing* (COMP 25), *Fundamentals of Mathematics and Computer Science* (COMP 47), *Introduction to Computer Science* (COMP 51), *Introduction to Microeconomics* (ECON 53), *Economic Statistics* (ECON 61), *Trigonometry* (MATH 7), *Elements of Calculus* (MATH 33), *Probability and Statistics* (MATH 37), *Elementary Functions* (MATH 41), *Introduction to Finite Mathematics and Calculus* (MATH 45), or *Operations Research Models* (MATH 73) must pass an **Intermediate Algebra** test or have completed Intermediate Algebra (MATH 5) with a grade of "C-" or above. Successfully passing this test also satisfies the general education quantitative analysis requirement described above.

Students wishing to enroll in Intermediate *Algebra* (MATH 5), *Elementary Statistical Inference* (MATH 35), *Elementary Concepts of Mathematics I* (MATH 161), *Quantitative Methods* (POLS 133), or *Statistical Inference in Behavioral Sciences* (PSYC 103) must pass an **Elementary Algebra** examination, a higher-level examination, or *Elementary Algebra* (MATH 3) with a grade of "C-" or above. The Elementary Algebra examination does **not** meet the general education quantitative analysis requirement described above. However, completing a college-level *Statistics* course with a passing grade will meet the quantitative analysis requirement.

Fifteen questions have been provided for each level. If you score ten or above on a level, you will probably pass the mathematics placement test at that level. Please remember that these sample tests are for your benefit and are only a guideline to topics covered on the standardized tests. Students may retake this test if they feel that their initial score does not truly reflect their quantitative skills.