Quantitative Literacy (GQ)

**Requirement:** One 4-credit hour course.

**Math Placement Exam.** The Mathematics Placement Exam is required for all first-year students, transfer and non-matriculating students who have not successfully completed a credit-bearing, college-level Math course with a grade of C- or better. The placement exam will indicate if the student may register for either a Quantitative Literacy course or a higher-level math course. The student may also be placed into a lower-level math course.

A student placed in MATH 0701 is required to complete successfully MATH 0701 before enrolling in a GenEd Quantitative Literacy course or GenEd Science & Technology courses, as these courses require students to understand and perform basic computational skills.

GenEd Quantitative Literacy courses present mathematical thinking as a tool for solving everyday problems and as a way of understanding how to represent aspects of a complex world. They are designed to prepare students as citizens and voters to have the ability to think critically about quantitative statements, to recognize when they are misleading or false, and to appreciate how they relate to significant social or political issues. While computation may be part of a Quantitative Literacy course, the primary focus is not computational skills.

Quantitative Literacy courses are intended to teach students how to:

- Understand quantitative models that describe real world phenomena and recognize limitations of those models;
- Perform simple mathematical computations associated with a quantitative model and make conclusions based on the results;
- Recognize, use, and appreciate mathematical thinking for solving problems that are part of everyday life;
- Understand the various sources of uncertainty and error in empirical data;
- Retrieve, organize, and analyze data associated with a quantitative model; and
- Communicate logical arguments and their conclusions.

**Quantitative Literacy Courses**

Below, you will find a list of GenEd courses in this area.

**Please be advised that GenEd offerings vary from semester to semester and that all GenEd courses will not be offered every semester. For the most current list of GenEd offerings, please consult the Class Schedule ([https://prd-wisss.temple.edu/prod8/bwckschd.p_disp_dyn_sched](https://prd-wisss.temple.edu/prod8/bwckschd.p_disp_dyn_sch)).**

In addition, a single GenEd course may be offered by more than one department. GenEd courses offered by more than one department will have the same course number and the same course title. A student may not take the same course from multiple departments and earn credit toward graduation. However, if a student wishes to replace her/his grade in a GenEd course, s/he may replace the grade with any course bearing the same course number and the same course title regardless of department.

- Critical Reasoning and Problem Solving
- Digital Mapping: From Mercator to Mashups
- Environmental Life Cycle Analysis: Does Buying "Green" Matter?
- Evil Plots
- Investing for the Future
- Math for a Digital World
- Mathematical Patterns
- Quantitative Methods in the Social Sciences
- Statistical Reasoning & Games of Chance
- Statistics in the News
- Honors Digital Mapping: From Mercator to Mashups
- Honors Evil Plots
- Honors Investing for the Future
- Honors Mathematical Patterns
- Honors Quantitative Methods in the Social Sciences

**Waiver:** Students considering undergraduate degrees with advanced mathematical or statistical requirements may satisfy the GenEd Quantitative Literacy requirement through alternative coursework.

A student will be waived from the GenEd Quantitative Literacy requirement upon completion of any of the following:

- MATH 1031, MATH 1038, MATH 1041, MATH 1042, MATH 1941, MATH 1942, or MATH 2043.
- STAT 2101, STAT 2103, STAT 2901, STAT 2903 or an equivalent transfer course (primarily for FSBM and STHM majors and FSBM minors).
• Completion of a three-course sequence to include MATH 1015, MATH 1021 or EDUC 1017, and ECED 3107 (primarily for Early Childhood Education majors). All courses must be completed to receive waiver.

• Completion of a four-course sequence to include MATH 1015, MATH 1021, MATH 1022, and MAES 3145 or MGRE 3145 (primarily for Middle Grades Education majors concentrating in Language Arts, Science, Science and Language Arts, and Social Studies). All courses must be completed to receive waiver.

Courses must be completed with a C- or better to satisfy GenEd waiver requirements.

Department/schools/colleges may stipulate a higher grade to satisfy department/school/college requirements.

Consult an academic advisor for details.