Your "On-Track" Guide to:

The Quantitative Reasoning Requirement and the Math Placement Exam

Use this guide to understand what your math placement score means and which course(s) you should take to meet your degree requirements.

WHICH COURSE SHOULD I TAKE?

If your placement results indicate more than one course (for instance, in Test B, if "115/125/CS105" is circled), be sure you take the course appropriate for your college and major:

» Students in the College of Management should be on the Management Math Track
(MATH 115 ➜ MATH 129 ➜ MATH 134).

» Students pursuing a BA degree in the College of Liberal Arts, the College of Education and Human Development, or the College of Public and Community Service can take MATH 114Q or MATH 115 to satisfy their quantitative reasoning requirement. Some degrees in CLA may require further coursework. Make sure to check with your department.

» Students in the College of Science and Mathematics (pursuing a BS degree) should be on the Calculus Track
(MATH 115 ➜ MATH 130, and then either MATH 135 or MATH 140/141 or MATH 145/146).

» Students in the College of Nursing and Health Sciences should take Statistics (nursing students take MATH 125 or another statistics course, such as EHS 280; EHS students must take EHS 280).

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WHAT ARE ALL THOSE COURSES?

COURSE	PLACEMENT TEST	DETAILS
MATHSK 097, 098, 099	Test A	These are courses that review high school mathematics, especially algebra. They do not carry graduation credit.
MATH 114Q	Test A	Successful completion of this course meets the prerequisite for Statistics but NOT for Precalculus.
MATH 115	Test A	Completion of this course with a grade of B or better in the previous semester meets the prerequisite for Precalculus.
MATH 125	Test B	Introductory Statistics. This course does NOT meet the prerequisite for Precalculus or Calculus.
MATH 129	Test B	Precalculus for Management and Social Science Students. Successful completion of this course meets the prerequisite for Managerial Calculus.
MATH 130	Test B	Precalculus. Completion of this course with a grade of B or better in the previous semester meets the prerequisite for Calculus.
MATH 134	Test D	Managerial Calculus. A one-semester survey course intended primarily for students in the College of Management.
MATH 135	Test D	Survey of Calculus. A one-semester survey course intended primarily for students in the College of Science and Mathematics who need only one semester of Calculus.
MATH 140	Test C	Calculus I. Completion of this course with a grade of C- or better meets the prerequisite for Calculus II.
MATH 145	Test C	Calculus I for Life and Environmental Sciences. Intended primarily for biology, biochemistry, and EEOS majors. Completion of this course with a C- or better will meet the prerequisite for Calculus II.
MATH 141	N/A	Calculus II. Successful completion of this course allows you to progress to higher-level math courses.
MATH 146	N/A	Calculus II for Life and Environmental Sciences. Successful completion of this course does NOT meet pre-requisites for higher-level math courses.

MORE ON QUANTITATIVE REASONING

How you meet the quantitative reasoning requirement depends on your college and degree program.

Students pursuing a BA degree:

» You are strongly encouraged to take MATH 114Q, Quantitative Reasoning, a course specifically designed to show students the relevance of mathematics to their lives. Note: Students majoring in economics should take MATH 115 because they will need to complete Precalculus.
» Another option is to take or have transferred in MATH 115, College Algebra.
» You may also take or transfer in a statistics course. If you place into and pass (or transfer in) one of the following statistics courses, you will be waived from the quantitative reasoning requirement and you will receive math distribution credit: MATH 125, SOCIOL 350, PSYCH 270, ECON 205, EEOS 261.
» Students may also meet the quantitative reasoning requirement by placing into Precalculus or higher (placement alone demonstrates proficiency) or by showing proficiency through advanced placement or CLEP testing.
» Students pursuing a BA are encouraged to enroll in an appropriate math course by the time they have earned 30 credits.

Students pursuing a BS degree:

» Students in CLA and CSM must complete Calculus (MATH 135, MATH 140, or MATH 145, or the equivalent transfer course) to meet the quantitative reasoning requirement. Students pursuing a BS are strongly encouraged to enroll in appropriate math courses continuously until the math requirement for their major is satisfied.
» Students in CM must complete MATH 134 (or the equivalent transfer course).
» Students in CNHS must complete Statistics (EHS students are required to take EHS 280, Statistics for Health Professionals).