QUANTITATIVE REASONING REQUIREMENT

To satisfy the requirements of category 1B of the All-University Core Curriculum (AUCC), students must earn three credits in Quantitative Reasoning. These credits may be earned by:

1. Scoring well on the CSU Math Challenge Exam;
2. Presenting AP calculus scores of 3, 4, or 5 on the Calculus AB, Calculus BC, or Statistics exam -or- IB mathematics scores of a 4 or higher on either the standard or higher level exam (see Office of the Registrar (http://registrar.colostate.edu/transfer-credit/transfer-other-credit) for details on Advanced Placement and International Baccalaureate equivalencies);
3. Taking an approved CSU All-University Core Curriculum (AUCC) 1B Course (MATH or STAT);
4. Presenting suitable transfer credits from another accredited institution.

Any student admitted to CSU may take STAT 100. Students who wish to take a Quantitative Reasoning course other than STAT 100 must satisfy one of the following requirements in addition to any course prerequisites:

- Score sufficiently well on the Math Placement Exam or the Math Challenge Exam;
- Present a score of SAT MATH: 500, or ACT MATH: 19;
- Present an AP calculus score of 3, 4, or 5 on the Calculus AB, Calculus BC, or Statistics exam -or- IB mathematics scores of a 4 or higher on either the standard or higher level exam;
- Present suitable transfer credits from another accredited institution.

Math Placement Exam and Math Challenge Exam (MPE)

The MPE designation refers to either the unproctored Math Placement Exam or the proctored Math Challenge Exam. The MPE covers pre-college algebra and college algebra, logarithmic and exponential functions, and trigonometry.

The following minimum SAT/ACT test scores will allow a student to enroll in MATH 101 without taking the MPE: SAT MATH: 500, or ACT MATH: 19.

A student wishing to take a math course other than MATH 101, or a student who does not have the minimum SAT/ACT test scores described above will need to take the MPE (https://placement.math.colostate.edu/welcome/directory.html), unless they can satisfy either point 2 or 4 above.

A student who displays proficiency on the MPE may place out of one or more of the pre-calculus courses—MATH 117, MATH 118, MATH 124, MATH 125, and MATH 126 without earning credit. Placement out of a course on the MPE will satisfy prerequisites for other classes. A student who demonstrates a higher level of proficiency on the Math Challenge Exam may earn credit in one or more of those courses. Only earned credits count toward the three-credit AUCC Quantitative Reasoning requirement, i.e. placement out of a course will not satisfy the CSU Quantitative Reasoning requirement.

A student (except a first semester transfer or a first semester readmitted student) who has earned 60 or more CSU and transfer credits and who has not completed the Quantitative Reasoning requirements of category 1B of the All-University Core Curriculum must enroll in a course that will fulfill this requirement in order to have a hold lifted from his or her registration. A transfer or readmitted student will be allowed the initial term of full-time enrollment before this restriction is imposed. (Faculty Council approved minutes May 1, 2018)

Appeals Process

Students wishing to appeal (http://registrar.colostate.edu/forms/3364) this registration restriction must complete the Intermediate Writing/Quantitative Reasoning (MATH/COMP) Appeal (https://registrar.colostate.edu/forms/3364) form, including a detailed rationale as to why they were unable to complete the course within the first 60 credits. Students must also outline their plan for completion of the requirement. If registered for an equivalent course at another institution, students should include proof of registration. Appeals must be received by the student’s academic advisor and department head for their signatures and indication of support/lack of support of the appeal. The signed appeal must then be submitted through the Office of the Registrar, First Floor, Centennial Hall, to the Vice Provost for Undergraduate Affairs who holds authority for final approval or disapproval.