Transferring Mathematics Courses to UR

The University Registrar handles the process of transferring courses taken elsewhere for graduation credit at UR. Students should consult the Registrar's website for an up-to-date set of general rules and forms. These can be found at the following links; the second contains extra information for transfer requests from non-U.S. institutions. Forms only accessible on campus or via VPN.

- https://registrar.richmond.edu/forms/index.html
- https://registrar.richmond.edu/registration/programs/study-abroad/index.html

Once a request is sent to the Registrar, the mathematics program is responsible for determining whether mathematics courses can be "counted" as an equivalent course at UR. This pertains to both field of study requirements, as well as major, minor or concentration requirements.

The mathematics program has established specific guidelines for course equivalencies, which are stated below. To avoid unpleasant transfer rejections after having already taken a course, it is **highly recommended** that students obtain approval for mathematics courses that will be taken elsewhere before enrolling.

The program coordinator will review requests and respond directly via email. In addition to the course-specific guidelines below, as of Fall 2021, **the program will not approve transfer requests for courses taken online.**

MATH 102 (Problem Solving Using Finite Mathematics)

The Mathematics Program does not allow students to transfer external courses for credit towards MATH 102. This class is specifically designed to meet the FSSR requirement. Courses taken elsewhere, despite a similar description, are unlikely to follow the same guidelines. External courses below the level of calculus may be transferred for general graduation credit but will not fulfill the FSSR requirement.

MATH 209 (Introduction to Statistical Modeling)

Transfer credit for this course may be given for courses that are offered as part of statistics or mathematics programs that cover similar material. This requires treatment of topics in statistical inference and the use of statistical software for data analysis. Credit will not be awarded for methods courses offered within other departments. This course does not fulfill the FSSR requirement.

MATH 211, MATH 212, and MATH 235 (Calculus I and II; Multivariate Calculus)

Transfer credit can be awarded for all three calculus courses offered by the department and used to satisfy the FSSR requirement. Approval of courses follows two criteria:

- The course must be part of a mathematics major. Calculus courses for non-majors with titles such as "Calculus for Applications" and "Business Calculus" will not be approved for FSSR credit.
- The course should have equivalent content to the UR courses. For MATH 211 credit, this means that differential and integral calculus of exponential functions and logarithms must be covered. For MATH 212 credit, this means that Taylor polynomials and infinite series.

MATH 245, MATH 300, MATH 306, MATH 320, MATH 329

These courses are required as part of the major in mathematics or mathematical economics. While it is possible to transfer these courses from other institutions, this requires demonstrating that the course contents are equivalent or greater than the material covered in the UR courses. Students are strongly encouraged to fulfill these requirements at UR.

MATH 289 (Introduction to Data Science) and MATH 389 (Statistical Learning)

These courses are specifically designed for the Data Science and Statistics Concentration. They have unique project components and cannot be transferred from another institution in fulfillment of the concentration requirements.

MATH 300-level Electives

Upper-level elective courses can be transferred to UR in fulfillment of the major requirements. These do not need to directly match a course offered in the department but do need to be at or above the same level of sophistication as our current electives. At a minimum, they should have a prerequisite equivalent to MATH 245 (Linear Algebra), MATH 300 (Fundamentals of Abstract Mathematics), or MATH 289 (Introduction to Data Science).