

Mathematics (641)

141 Calculus I (4) Standard first-year course in single variable calculus, especially for students of science, engineering, mathematics, and computer science. Differential and integral calculus with applications. **(QR)**

(DE) Prerequisite(s): 130 or satisfactory placement test score.

142 Calculus II (4) Standard first-year course in single variable calculus, especially for students of science, engineering, mathematics, and computer science. Differential and integral calculus with applications. **(QR)**

(RE) Prerequisite(s): 141 or 147.

241 Calculus III (4) Calculus of functions in two or more dimensions. Includes solid analytic geometry, partial differentiation, multiple integration, and selected topics in vector calculus.

(RE) Prerequisite(s): 142 or 148.

251 Matrix Algebra I (3) First course in the algebra of simultaneous linear equations and matrices. Includes Gaussian elimination, determinants, vector spaces, linear transformations, eigenvalues, and eigenvectors.

(RE) Prerequisite(s): 142 or 148.