MATH 241 (http://catalogue.uvm.edu/search/?P=MATH%20241) & MATH 242 (http://catalogue.uvm.edu/search/?P=MATH%20242), but not necessarily in material covered by MATH 331 (http://catalogue.uvm.edu/search/?P=MATH%20331) & MATH 333 (http://catalogue.uvm.edu/search/?P=MATH%20333) (which Ph.D. students must do).

For example, a student taking MATH 241 (http://catalogue.uvm.edu/search/?P=MATH%20241) & MATH 242 (http://catalogue.uvm.edu/search/?P=MATH%20242) in their first year could sit for the analysis exam in August before their second year begins, with a second opportunity in January before their final semester.

All M.S. students need to take the analysis exam. For non-thesis students, the second exam may be in any of the following areas: algebra, numerical analysis, differential equations, or combinatorics. For thesis students, a successful M.S. thesis defense satisfies the requirement of the second exam.

Requirements for Advancement to Candidacy for the Degree of Master of Science
The requirements for advancement to candidacy are the completion of any prerequisites noted when the student was admitted.