MATHEMATICS M.S.T.

All students must meet the Requirements for the Master’s Degree

OVERVIEW

The Mathematics Master of Science in Teaching (M.S.T.) degree is intended primarily for licensed K-12 teachers, and the Department has instituted courses specifically designed for elementary, middle school, and high school teachers. These courses are designated as MAED (Mathematics for Educators) courses. They emphasize mathematics and statistics content together with the application of content knowledge to the K-12 classroom.

The Department of Mathematics and Statistics is home to the Vermont Mathematics Initiative (VMI). Teachers who wish to pursue the M.S.T. degree may also apply for admission to the VMI.

The VMI is a comprehensive mathematics content intensive 3-year program designed to train elementary, middle school, and high school teachers to serve as mathematics leaders in their schools and districts. The VMI emphasizes four core areas: increased knowledge of mathematics content; transfer of content knowledge to effective classroom instruction; action research that informs classroom practice or school or district mathematics goals; and teacher leadership in support of mathematics teaching and learning in the school or district. Teachers who enroll in the VMI may apply to the Master of Education (M.Ed.) in Curriculum Instruction rather than for the M.S.T. degree if they so choose.

For more information about the VMI and the M.S.T. degree please see the Department of Mathematics and Statistics website.

SPECIFIC REQUIREMENTS

Requirements for Admission to Graduate Studies for the Degree of Master of Science in Teaching

A bachelor’s degree from an accredited institution, licensure as a teacher, and experience teaching grades K-12. GRE scores are not required.

Minimum Degree Requirements for the Degree of Master of Science for Teachers

Thirty-six hours of course work in Mathematics for Educators (MAED) courses, MATH courses or STAT courses. With the approval of their advisor, students may choose courses from 100-level and higher mathematics or statistics courses or from closely related fields. The student must have a curriculum program approved by her/his advisor.

Comprehensive Examination

The comprehensive examination must be taken no later than five weeks before the end of the semester preceding the conferral of the degree. The details of the examination are decided upon by each student’s examination committee and will be discussed with the student in advance of the exam.