

# Mathematics Education (MAED)

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**MAED 2999. Entry to the Education Profession. 0 Hours.**

Graded "Satisfactory" or "Unsatisfactory". A required non-credit course for all teacher education candidates pursuing a VSU recommendation for initial certification. The course must be successfully completed prior to admission to teacher education. Candidates are required to establish an electronic portfolio and provide evidence that all teacher education admission requirements have been satisfactorily met. If an "unsatisfactory" grade is earned, the course must be repeated until a "satisfactory" grade is received.

**MAED 3500. Curriculum and Methods for Teaching Middle Grades Mathematics. 3 Hours.**

Prerequisites: MAED 2999, EDUC 2110, EDUC 2120, EDUC 2130, and MATH 2262. A study of the characteristics of the middle grades mathematics learner and the development of appropriate activities for the grade 6-8 learner. Students will assess learners and apply learning theories in order to develop appropriate activities. Activities will be inquiry-based, problem-centered, and appropriate for the learner. Appropriate technology will also be included in these activities. A field experience with a minimum of 100 hours is required and integrated into this course.

**MAED 4500. Curriculum and Methods for Teaching Secondary Mathematics. 3 Hours.**

Prerequisites: MAED 2999 and MAED 3500 with a "C" or better and Senior Standing. This is a checkpoint course, and all checkpoint requirements must be met. A study of the characteristics of the high school mathematics learner and the development, implementation, and assessment of activities for grade 9-12 learners including the use of technology. Students will assess grade 9-12 learners and develop and implement appropriate curriculum and activities. Instructional methods for individual learners and whole-class strategies will be examined. A field experience with a minimum of 100 hours is required and integrated into this course.

**MAED 4790. Student Teaching. 9 Hours.**

Prerequisite: Completion of all requirements to student teach and consent of the department. Co-requisite: MAED 4800. Graded "satisfactory" or "unsatisfactory". Supervised teaching experience in secondary classrooms, providing an opportunity for students to implement theory and instructional practice and demonstrate teaching competency.

**MAED 4800. Senior Professional Development Seminar. 3 Hours.**

Prerequisite: Completion of all requirements to student teach and consent of the department. Co-requisite: MAED 4790. Graded "satisfactory" or "unsatisfactory". Reflection on teaching experience and discuss and present issues pertaining to the teaching and learning of mathematics.