MIDDLE SCHOOL MATHEMATICS EDUCATION (MS)

Program Requirements	Quarter Hours
Degree Requirements	48
Total hours required	**48**

Learning Outcomes

Students will be able to:

- Use knowledge of young adolescent learners to create safe, equitable, and meaningful learning environments and collaborative mathematics classrooms.
- Plan and deliver rigorous mathematics instruction appropriate for young adolescent learners.
- Demonstrate and apply disciplinary content and pedagogical content knowledge with an emphasis on developing students' conceptual and procedural understanding.
- Use visual, analytical, numerical, and verbal perspectives in the different content areas of mathematics in learning environments appropriate for young adolescence learners.
- Evaluate mathematics education research to support their understanding of teaching and learning and identify the theories that inform their teaching practices.

College Requirements

Dispositions

The academic programs within the College of Education have set forth these dispositions as educational and professional expectations for all students. Students should be aware that failing to abide by DePaul University or College of Education policies including, under certain circumstances, these dispositions, could result in adverse consequences for the student, including removal from his or her program, the College of Education, or the University.

- Is receptive to faculty feedback and acts meaningfully and professionally upon suggestions
- Reflects on his or her own progress and identifies strengths and weaknesses, including evaluating strategies for success, finding alternatives for inappropriate strategies, and modifying future practices
- Demonstrates a positive attitude and commitment to the profession
- Demonstrates thoughtful, effective verbal and non-verbal communication and listening skills
- Respects and considers cultural contexts in order to determine how to be responsive to learners and to proactively promote all students' learning
- Is committed to collaboration with colleagues, families, and communities in order to promote all students' learning and development
- Demonstrates professional ethical and legal behavior as defined by the respective codes of ethics and laws

- Recognizes and fulfills professional responsibilities and habits of conduct (e.g., dress, language, preparedness, attendance, punctuality, etc.)
- Demonstrates concern for and protection of safety and well-being of others

Degree Conferral and Graduation

The awarding of a degree is not automatic. You must submit an application to be considered for the degree. DePaul awards and posts degrees at the end of each regular academic term (autumn, winter, spring, summer).

It is your responsibility to initiate the degree conferral application process by submitting an online application. Submitting an application means you intend to finish your degree requirements by the end of the term for which you have applied.

Graduate students must be approved for student teaching and complete student teaching, seminar, and induction courses to be cleared for the degree. Student must submit graduation application for the quarter you are completing the final course (student teaching is considered a course).

After you submit the application, you cannot register for any term after the one selected in the application.

To apply for degree conferral, log on to Campus Connection. Select FOR STUDENTS, then GRADUATION, then APPLY FOR DEGREE CONFERRAL. On screen instructions will take you through the application process.

Provided that all requirements and financial obligations are met, degrees are posted 30 days after the official end of the term. Official dates are listed on the Academic Calendar.

DePaul holds one commencement ceremony each year in June. If you intend to participate, you must first apply for degree conferral for the current academic year and then submit a cap and gown order. Honors are not announced at the ceremony for undergraduates completing their final courses in spring quarter because a final GPA is not available at the time of the ceremony.

Additional information about degree conferral and graduation can be found on the College of Education website.

Degree Requirements

Our twelve-course (48 quarter-hour) program is designed for teachers licensed in grades K-8. The program will allow participants to meet the requirements for an endorsement in middle school mathematics. This is a cohort program with groups of teachers taking the same courses together in the same order. All courses are 4 credit hours and twelve courses are required.

Course Requirements

Required Courses: 48 quarter hours, grade of C or better required

Course	Title	Quarter Hours
MAT 600	EXPERIMENTATION, CONJECTURE, AND REASONING WITH NUMBERS	4
MMT 401	FOUNDATIONS OF MATHEMATICAL THINKING AND LEARNING IN THE MIDDLE SCHOOL	4

MAT 605	GEOMETRY FOR MIDDLE SCHOOL TEACHERS	4
MMT 410	THE DEVELOPMENT OF MIDDLE SCHOOL MATHEMATICS LEARNERS	4
MAT 622	ALGEBRA FOR MIDDLE SCHOOL TEACHERS I	4
MAT 623	ALGEBRA FOR MIDDLE SCHOOL TEACHERS II	4
MAT 624	FUNCTIONS AND MODELING	4
MMT 430	APPLIED PROJECT IN MATHEMATICS EDUCATION	4
MMT 420	TEACHING, LEARNING, AND ASSESSMENT OF MIDDLE SCHOOL MATHEMATICS	4
MAT 649	DATA ANALYSIS AND PROBABILITY	4
MAT 643	IDEAS OF CALCULUS IN THE MIDDLE SCHOOL CURRICULUM	4
MAT 632	HISTORY AND CULTURAL FOUNDATIONS OF MATHEMATICS	4