Online K-5 Mathematics Endorsement Program
Department of Early Childhood and Elementary Education

Program Coordinator
Dr. Susan Auslander: sauslander@gsu.edu

Program Information
The online K-5 Mathematics Endorsement program develops students’ pedagogical content knowledge, mindsets, and instructional capabilities to serve as effective and equitable mathematics teachers and teacher leaders in their schools and communities. The mission of the program is the development of highly qualified teachers who deeply understand elementary mathematics and are teacher leaders in establishing learner-centered classrooms consistent with the standards of the National Council of Teachers of Mathematics and the National Association for the Education of Young Children. Completion of the K-5 Mathematics Endorsement program may lead to a salary supplement.

Applications to the K-5 Mathematics Endorsement program are accepted every semester. The endorsement program can be completed as a stand-alone program or embedded in a graduate degree. One year of teaching experience is required before starting the endorsement courses. To receive the endorsement, students must hold a level 4 or higher clear renewable certificate in one of the following areas: Early Childhood Education, Middle Grades - Mathematics, or Special Education General Curriculum/Early Childhood Education. Other areas of Special Education are eligible to enroll if they have a core academic content concentration in mathematics.

The K-5 Mathematics Endorsement program includes five courses all offered online, with four focusing on elementary mathematics content and pedagogy: Whole Number and Operations, Geometry and Measurement, Rational Number and Algebra, and Data Analysis and Probability. These courses are offered synchronously and asynchronously across the summer, fall, and spring semesters. The fifth course is a field placement where students apply their learning through teaching lessons with supportive feedback from a university coach. This course also includes the creation of a portfolio. Students should use their own classroom for this course but if a student is not teaching at the time, a classroom will be located for the student.

For more information about this program, contact Dr. Susan Auslander, Program Coordinator, at sauslander@gsu.edu.
Careers
We help students become effective and equitable teachers and teacher leaders in their schools and communities. Completers of our program have become instructional coaches, master teachers in their classrooms and grade levels, curriculum specialists, grade level leaders and chairs, and other roles in schools and districts.

Program of Study (5 courses, 15 total semester hours)

K-5 Mathematics Endorsement Courses

- **Required (15 hours):**
  
  - ECE 7393 Whole Number and Operations in the Elementary Classroom (3 hours)
  - ECE 7394 Geometry and Measurement in the Elementary Classroom (3 hours)
  - ECE 7395 Rational Number and Algebra in the Elementary Classroom (3 hours)
  - ECE 7396 Data Analysis and Probability in the Elementary Classroom (3 hours)
  - ECE 7740 Internship/Field Placement (3 hours) (Students must enroll in ECE 7740 concurrent with one of the following courses: ECE 7393, ECE 7394, ECE 7395, or ECE 7396.)

The major advisor for students in the program is Dr. Susan Auslander (sauslander@gsu.edu). Upon admission, she will provide a program orientation, and students should contact her each semester to plan for upcoming courses. Ms. Karen Van Der Byl (kvanderbyl@gsu.edu) supports student registration and logistics of program completion. Please email her with any logistical questions or issues related to registration, courses, program completion, and graduation. Note that if a student is also completing a doctoral degree, the above courses should be taken at the 9000 level.

Helpful Links

- Funding and Costs Link
  
  https://graduate.gsu.edu/funding-and-costs/

- Application Link
  
  https://graduate.gsu.edu/how-to-apply/?utm_source=program-list&
  utm_campaign=how-to-apply-program-list