

Adolescent & Young Adult Education

Integrated Mathematics

The Integrated Mathematics program prepares students to become mathematics teachers in grades 7-12. Students who successfully complete the program and pass the required state assessments are eligible to apply for the 7-12 license in mathematics.

Students enrolled in the Integrated Mathematics degree program are provided experiences in the university classroom and field that enhance their understanding of students' mathematical thinking throughout the adolescent years, as well as appropriate pedagogies to engage adolescents in more sophisticated mathematical thinking. Content courses are taught by faculty in Mathematical Sciences, which provides an academic atmosphere and close student-faculty associations that encourage intellectual growth and development.

Course of Study

Integrated Mathematics students must earn at least 121 credit hours to receive a bachelor's degree. Students take about 42 hours of mathematics coursework prior to their student teaching semester. About 39 additional hours consist of foundational and advanced education courses. The remaining coursework includes additional required classes and the Kent Core requirements, which provide the foundation of the University's mission to prepare students to live in today's complex, global society.

Faculty

Each mathematics education faculty member at Kent State has experience in rigorous research and classroom teaching. Integrated Mathematics education faculty members are:

Joanne Caniglia, Ph.D., Professor

Dr. Caniglia received the Governor's Award for Distinguished Teaching as a faculty member at Eastern Michigan University. Her research activities include creating meaningful mathematical tasks to assist secondary and special education students.

Scott Courtney, Ph.D., Associate Professor

Dr. Courtney's research focuses on students' and teachers' conceptions of mathematics ideas within the K-12 curriculum; instructional engagements that lead to student development; and teachers' ways of thinking about teaching mathematical concepts.

The teacher education curriculum of the Integrated Mathematics program is nationally recognized by the National Council of Teachers of Mathematics and accredited by the National Council for Accreditation of Teacher Education (NCATE).

Contact:

Dr. Joanne Caniglia

jcanigl1@kent.edu / 330-672-0615

www.kent.edu/aded