MATHEMATICS FOR TEACHERS (MTCH)

MTCH 2000  MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS I (3 credits)
A course for prospective elementary school teachers that involves mathematical reasoning, conjecturing, problem-solving, and connecting mathematical thought to its applications. Topics include fractions, decimals, arithmetic operations, and proportional reasoning.
Prerequisite(s)/Corequisite(s): At least C in MATH 1310 or MATH 1120 and TED 2100 (EDUC 2020) or TED 2200 (EDUC 2030); OR at least C in MATH 1310 or MATH 1120 and passing the Praxis I - Core.

MTCH 2010  MATHEMATICS FOR ELEMENTARY TEACHERS II (3 credits)
This course represents a collection of topics, developed specifically for elementary school teachers, not covered in other courses.
Prerequisite(s)/Corequisite(s): MTCH 2000 with a grade of C or better.

MTCH 2020  NUMBER SENSE, ALGEBRA, AND GEOMETRY FOR MIDDLE SCHOOL EDUCATION (3 credits)
The course covers the following major concepts: standard algorithms for arithmetic with rational numbers, proportional reasoning, number theory topics in K-8, beginning Algebra concepts, and beginning Geometry.
Prerequisite(s)/Corequisite(s): TED 2100 (EDUC 2020) or TED 2200 (EDUC 2030) each with a C or better and College of Education major and MATH 1950 with a C or better. Not open to non-degree graduate students.