MIDDLE SCHOOL MATHEMATICS ENDORSEMENT
August 2011

Elementary Education Candidates
Elementary candidates seeking the middle school Mathematics endorsement are advised to minor in Mathematics, in addition to taking Educ 260 Middle School Philosophy and Educ 351, Middle School Mathematics. Careful selection among the requirements outlined by the Mathematics Department is necessary, due to course prerequisites. The state of Illinois has course-specific requirements for candidates pursuing an endorsement to teach mathematics in grades 6-8. The state requires 5 units of coursework in four of the areas listed below.

Calculus
- Math 161, 162 or 165, 166 (meets minor requirement)

Modern Algebra or Number Theory
- Math 215 (meets minor requirement)
- Math 337 (prerequisite: Math 200; meets minor requirement)
- Math 340 (prerequisite: Math 166; meets minor requirement)
- Math 405 (prerequisite: Math 200, 215, and either 263 or 166; meets minor requirement)

Geometry
- Math 425 (prerequisites: 200, 215, and either 263 or 166; meets minor requirement)

Probability and Statistics
- Math 324 (prerequisite: Math 215, and either 263 or 166; meets minor requirement)
- Math 325 (prerequisite: Math 324; meets minor requirement)

Computer Science
- CS 135 (does not meet minor requirement in mathematics)

History of Mathematics

Math Content Courses for Elementary Teachers
- Math 105/6 (neither counts toward the mathematics major or minor)

Secondary Mathematics Candidates
The state of Illinois has course-specific requirements candidates pursuing an endorsement to teach mathematics in grades 6-8, necessitating careful selection of courses counting toward the major. The state requires 5 units of coursework in four of the areas listed below. In addition, Educ 351 Middle School Mathematics and Educ 260 Middle School Philosophy are required.

- Calculus (Math 161, 162, 263, and 264 or 165, 166, and 267)
- Modern Algebra or Number Theory (Math 215, Math 337, Math 340, and/or Math 405)
- Geometry (Math 425)
- Probability and Statistics (Math 324, 325)
- Computer Science (CS 135; does not count toward the mathematics major)
- History of Mathematics
- Math content courses for elementary teachers (Math 105/6 do not count toward the mathematics major)

Educ 351 is offered in the spring term ONLY.