Elizabeth A. Burroughs* (burroughs@math.montana.edu), Department of Mathematical Sciences, Montana State University, Bozeman, MT 59717-2400. Three Specialized Courses for Preparing Secondary Mathematics Teachers.

The major in mathematics with a teaching option at Montana State University includes, among other mathematics and education coursework, three specialized courses focusing on mathematics for teaching. The courses are titled Higher Mathematics for Secondary Teachers, Modern Geometry, and Mathematical Modeling for Teachers. Though the courses have been an essential part of our mathematics teaching program at MSU for nearly two decades, the Mathematical Education of Teachers II report has provided our faculty members the opportunity to reexamine the content and articulation of these courses. I will discuss some of our successes and challenges in teaching these courses and invite audience members’ ideas and reactions. (Received September 05, 2013)