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Since fall of 1994 the Department of Mathematics at Texas A&M offers three professional masters option: the Applied and Computational Mathematics M.S. Option, the Business and Financial Mathematics M.S. Option, and the Mathematics Teaching M.S. Option. Furthermore the Mathematics Teaching Option is also offered through long distance learning. All three options are highly interdisciplinary requiring the students to take at least a third of the thirty-six hours of coursework outside of the Department of Mathematics. We intend to discuss the success as well as some of the problems one has to overcome. (Received September 30, 2000)