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The USMA Advanced Mathematics Program is a one-year program designed for a subset of freshmen with prior calculus experience. It consists of a rich treatment of multi-variable calculus, including infinite series and vector calculus, followed by an introductory ordinary differential equations course. Historically, nearly 67% of these students choose a math, science, or engineering discipline.

In this presentation, we will share how our program selects students based upon a combination of their AP Scores, college calculus grades, and an entrance exam offered during the summer prior to their first semester. We will also share data showing a clear linkage between selection criteria and program performance. (Received September 16, 2007)