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Tim McEldowney* (tmce1001@ucr.edu) and **Po-Ning Chen**. *A Better Path to Math Careers*.

To help advance women and minorities in mathematics, we first need to ensure individuals are aware of the different options and pathways available to them. Many women and underrepresented minorities graduate with a degree in mathematics without even knowing about the possible career paths in math, or are underprepared to pursue them. Last year, as a graduate student at University of California, Riverside, I decided to do something about this. I created the Advanced Mathematics Program (AMP) with the support of Drs. Po-Ning Chen and Yat-Sun Poon, graduate students, and staff. AMP is a free Summer Program that prepares students for abstract algebra and real analysis, two topics which often prove to be barriers to reaching careers in math. In addition, we helped students learn about what future careers they can consider with talks from mathematicians in pure math, applied math, and math education. I will address how I initially designed the program and the lessons I learned in its implementation. I will also address how we have expanded the program in its second year to include events we had during the academic year, including attending conferences with the former AMP participants and the additional invited speakers. (Received September 15, 2018)