1128-00-98   **Michael Dorff*** (`mdorff@math.byu.edu`). *PIC Math – a course for undergraduate students to do research on actual problems from industry.*

There are hundreds of jobs in industry for math students, and several recent reports list mathematician as one of the best careers. However, just graduating with a math degree is not enough to guarantee getting one of these jobs. In addition, many students and professors think that teaching is the main (or only) career option for someone who studies mathematics. How can students learn about these jobs and develop the skills they need in order to get a job in industry? In this talk, we will answer those questions and talk about the national PIC Math program that prepares students for nonacademic careers. The main component of PIC Math is a semester course in which students spend class time working in small groups on research problems from industry instead of listening to lectures. During the 2016-2017 academic year there are math departments at 65 different institutions with about 750 students participating in PIC Math courses throughout the U.S. (Received February 16, 2017)