

1135-N5-1162 **Thomas Philip Wakefield*** (tpwakefield@ysu.edu), Youngstown, OH 44555. *PIC Math*
Courses: Facilitating Student Research Projects in Business, Industry and Government.

For the past three years, through participation in the Preparing for Industrial Careers in Mathematics (PIC Math) program, mathematics students at Youngstown State completed interdisciplinary research projects with the support of industrial sponsors in a mathematical modeling course. In this talk, we highlight these experiences, which include redistricting beats for the Youngstown Police Department, determining the return on investment for services in our Center for Student Progress, conducting healthcare utilization studies, and analyzing neighborhood interventions for the Youngstown Neighborhood Development Corporation and describe how we ran the course and facilitated the research experiences for the students. (Received September 20, 2017)