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Introducing Industrial Problems via Capstone Experience.

The MAA's national PIC Math program aims to prepare undergraduates in the mathematical sciences for industrial careers by engaging them in research problems that come directly from industry. In 2015, we participated in the inaugural year of the program and introduced applied and industrial projects within the capstone course for the Computational and Applied Mathematics major at the Colorado School of Mines. We will discuss the general structure and background of this course, as well as the research activities of student groups, which culminated in part with a research article currently submitted for publication and two students receiving the 2015 Janet L. Andersen Award for Undergraduate Research in Mathematical or Computational Biology at MathFest. (Received September 19, 2016)