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Students' Attitudes and Enrollment Trends in Physics and Engineering DELPHINE BANJONG, University of North Dakota — Science, Technology, Engineering, and Mathematics (**STEM**) fields are critical for meeting ever-increasing demands in the U.S. for STEM and related skills, and for ensuring the global competitiveness of the United States in technological advancement and scientific innovation. Nonetheless, few U.S. students consider a STEM degree after high school and fewer STEM students end up graduating with a STEM degree. In 2012, the United States ranked 35th in math and 27th in science out of 64 participating countries in the Program for International Student Assessment (PISA), sponsored by the Organization for Economic Cooperation and Development (OECD). Considering the significant role physics and engineering play in technological advancement, this work investigates the attitudes of students and recent enrollment trends in these important subject areas.

Delphine Banjong
University of North Dakota

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