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NSB Statement on U.S. Science and Engineering Leadership

For the past decade, with each release of its *Science & Engineering Indicators* report, the National Science Board (NSB) has sounded the alarm as the U.S.'s lead has eroded on more and more global science and engineering (S&E) metrics. As *Indicators 2024* shows, China has now surpassed us in STEM talent production, research publications, patents, and knowledge-and technology-intensive manufacturing. Further details on the global S&E metrics can be found in *The State of U.S. Science & Engineering 2024*, which will be released on March 13th.

China has set the goal of being the world's leading S&E nation and these NSB reports demonstrate that the United States is on the verge of allowing them to realize that objective. We already see this in artificial intelligence, where China out publishes us, has more patents, and produces more students than the United States. Every year that the United States does not meet the ambitious, but necessary, pace of investment in our nation's S&E enterprise set by the *CHIPS & Science Act* is a year that we cede more ground to our global competitors, endangering U.S. national security and economic prosperity.