In the summer of 2004, the U.S. Government Accountability Office (GAO) released a report titled Women's Participation in the Sciences Has Increased, but Agencies Need to Do More to Ensure Compliance with Title IX—a look at the state of Title IX enforcement efforts at the four federal agencies that grant the most money to colleges and universities in the science, engineering, technology and mathematics (STEM) disciplines. This article looks at the participation of women in STEM disciplines at the collegiate level, discusses Title IX issues relevant to women in STEM disciplines, and explores the GAO Report to understand the current state of Title IX enforcement with regard to STEM education.