

United States Senate

WASHINGTON, DC 20510

COSPONSOR THE ENGINEERING EDUCATION FOR INNOVATION ACT OF 2010, S 3043. (E² FOR INNOVATION ACT OF 2010)

Dear Colleague,

We invite you to join us in cosponsoring S. 3043, the Engineering Education for Innovation Act, also called E² for Innovation Act of 2010. This legislation would authorize the Secretary of Education to competitively award planning and implementation grants for educational agencies to integrate engineering education into K-12 curriculum and instruction. It also funds the research and evaluation of such efforts.

In September 2009, the National Academy of Engineering and the National Research Council released a report, *Engineering in K-12 Education: Understanding the Status and Improving the Prospects* that studied K-12 engineering curricula and instructional practices. The report stressed the need for greater coordination among key stakeholders to develop common definitions and grade-level appropriate goals, as well as more research on the impacts of engineering education and potential models for implementation. The E² for Innovation Act seeks to further these recommendations through implementation of K-12 engineering education and related evaluation research.

Specifically, the E² for Innovation Act would:

- Integrate engineering education into K-12 classrooms by designing challenging content and curricula frameworks and assessments that include engineering.
- Increase engineering and technology teacher preparation programs and recruit qualified teachers to provide engineering education in high-need schools.
- Increase student achievement in STEM (Science, Technology, Engineering, & Mathematics) subjects and knowledge and competency in engineering design skills.
- Promote aspirations for a career in engineering among diverse students, in particular girls and underrepresented minorities.
- Invest in afterschool engineering education programs.
- Promote partnerships among K-12 school administrators and teachers and engineering member bodies and engineering professionals.

We believe S. 3043 is an important step in developing a highly skilled STEM workforce to ensure the United States' competitiveness and leadership in the global economy. We have 77 organizations endorsing this legislation, including 29 letters of support.

If you would like to cosponsor S. 3043 or have any questions, please contact Arundhati Jayarao at (202) 224-5865 or arundhati_jayarao@gillibrand.senate.gov with Senator Gillibrand or Rachel Bird at (202) 224-8889 or Rachel_Bird@kaufmann.senate.gov with Senator Kaufman or Matthew C. Hussey at (202) 224-5344 or Matthew_Hussey@snowe.senate.gov.

Sincerely,



Kirsten E. Gillibrand
United States Senator



Edward E. Kaufman
United States Senator



Olympia J. Snowe
United States Senator