

115TH CONGRESS
2D SESSION

H. R. 7214

To direct the Secretary of Education to establish a pilot program to award competitive grants for the integration of cybersecurity education, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

DECEMBER 3, 2018

Mr. LANGEVIN (for himself and Mr. THOMPSON of Pennsylvania) introduced the following bill; which was referred to the Committee on Education and the Workforce

A BILL

To direct the Secretary of Education to establish a pilot program to award competitive grants for the integration of cybersecurity education, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Cybersecurity Edu-
5 cation Integration Act”.

6 **SEC. 2. CYBERSECURITY EDUCATION GRANTS.**

7 (a) IN GENERAL.—From the amounts made available
8 to carry out this Act, the Secretary shall, not later than
9 1 year after the date of enactment of this Act, establish

1 a pilot program under which the Secretary shall award
2 grants, on a competitive basis, to eligible partnerships
3 for—

4 (1) the development and implementation of ca-
5 reer and technical education programs of study that
6 incorporate cybersecurity education and prepare in-
7 dividuals to meet workforce needs in critical infra-
8 structure sectors; and

9 (2) the integration of cybersecurity education
10 into existing programs of study that prepare individ-
11 uals to meet workforce needs in critical infrastruc-
12 ture sectors.

13 (b) CONSULTATION AND COORDINATION.—In award-
14 ing grants under this Act, the Secretary shall consult with
15 the Secretary of Labor, the Director of the National Insti-
16 tute of Standards and Technology, the Secretary of Home-
17 land Security, and the Department of Homeland Secu-
18 rity’s Sector Coordinating Councils to determine the
19 greatest cybersecurity workforce needs in critical infra-
20 structure sectors.

21 (c) GRANT AMOUNT.—The amount of any grant
22 made under this Act shall not exceed \$500,000 in any fis-
23 cal year.

24 (d) APPLICATIONS.—To be eligible to receive a grant
25 under this Act, an eligible partnership shall submit an ap-

1 plication to the Secretary at such time, in such manner,
2 containing such information as the Secretary may reason-
3 ably require, and including a description of—

4 (1) the roles and responsibilities of each partner
5 in the eligible partnership, and each partner’s capac-
6 ity to support the program of study to be developed
7 and implemented with funds awarded under this
8 Act, or the program of study into which cybersecu-
9 rity education will be integrated with funds awarded
10 under this Act;

11 (2) the critical infrastructure sector or sectors
12 that such program of study prepares individuals to
13 enter;

14 (3) the career specialty or occupation within
15 such sector or sectors that such program of study
16 prepares individuals to enter;

17 (4) the workforce needs of such critical infra-
18 structure sector or sectors, including cybersecurity
19 workforce needs;

20 (5) how the eligible partnership will incorporate
21 cybersecurity education, including relevant cyberse-
22 curity industry competencies published by the De-
23 partment of Labor, into such program of study;

24 (6) the work-based learning opportunities the
25 eligible partnership will offer;

1 (7) how the program of study will meet the cy-
2 bersecurity workforce needs of such critical infra-
3 structure sector or sectors;

4 (8) how such program of study will lead to a
5 recognized postsecondary credential and employment
6 in a critical infrastructure sector;

7 (9) how such program of study will be sustained
8 following the grant period; and

9 (10) any other purpose for which the eligible
10 partnership intends to use funds awarded under this
11 Act.

12 (e) REGIONAL DIVERSITY.—When awarding grants
13 under this Act, the Secretary shall ensure that grants are
14 awarded to eligible partnerships in different regions.

15 (f) REPORTING REQUIREMENTS.—An eligible part-
16 nership that receives a grant under this Act shall annually
17 submit a report to the Secretary that includes—

18 (1) a description of how any funds awarded to
19 the eligible partnership under this Act have been
20 used during the period covered by the report;

21 (2) the number of students, including a break-
22 down by race and ethnicity and an identification of
23 the number of students in each of the special popu-
24 lations who have received a recognized postsecondary
25 credential during such period from the program of

1 study into which cybersecurity education was incor-
2 porated using such funds; and

3 (3) the percentage of participants in unsub-
4 sidized employment in a critical infrastructure sector
5 targeted by the program of study after exiting the
6 program of study.

7 (g) AUTHORIZATION OF APPROPRIATIONS.—There
8 are authorized to be appropriated to the Secretary to carry
9 out this Act \$10,000,000.

10 (h) DEFINITIONS.—In this Act:

11 (1) CRITICAL INFRASTRUCTURE.—The term
12 “critical infrastructure” has the meaning given the
13 term in section 1016(e) of the USA PATRIOT Act
14 (42 U.S.C. 5195c(e)).

15 (2) CYBERSECURITY EDUCATION.—The term
16 “cybersecurity education” shall mean education
17 about ensuring the confidentiality, integrity, avail-
18 ability, and safety of information systems used in
19 critical infrastructure sectors, including control sys-
20 tems and operational technology.

21 (3) ELIGIBLE PARTNERSHIP.—

22 (A) REQUIRED PARTNERS.—The term “eli-
23 gible partnership” means a partnership that in-
24 cludes—

1 (i) a postsecondary educational insti-
2 tution; and

3 (ii) a public or private employer, in a
4 critical infrastructure sector, with dem-
5 onstrated cybersecurity workforce needs,
6 that is located in the region where the pro-
7 gram of study will be developed and imple-
8 mented with funds awarded under this Act.

9 (B) OPTIONAL PARTNERS.—The partner-
10 ship may also include one or more—

11 (i) community stakeholders (such as
12 local governments, nonprofit institutions,
13 economic development organizations, plan-
14 ning agencies, labor organizations, or in-
15 dustry associations);

16 (ii) local educational agencies (as the
17 term is defined in section 8101 of the “El-
18 ementary and Secondary Education Act of
19 1965”); and

20 (iii) eligible agencies that are located
21 in the region where the program of study
22 will be developed and implemented with
23 funds awarded under this Act.

24 (4) ELIGIBLE AGENCY.—The term “eligible
25 agency” means a State board designated or created

1 consistent with State law as the sole State agency
2 responsible for the administration of career and
3 technical education in the State or for the super-
4 vision of the administration of career and technical
5 education in the State.

6 (5) POSTSECONDARY EDUCATIONAL INSTITU-
7 TION.—The term “postsecondary educational institu-
8 tion” means—

9 (A) an institution of higher education that
10 provides not less than a 2-year program of in-
11 struction that is acceptable for credit toward a
12 bachelor’s degree;

13 (B) a tribally controlled college or univer-
14 sity; or

15 (C) a nonprofit educational institution of-
16 fering certificate or other skilled training pro-
17 grams at the postsecondary level.

18 (6) PROGRAM OF STUDY.—The term “program
19 of study” means a coordinated, nonduplicative se-
20 quence of academic and technical content at the sec-
21 ondary and postsecondary level that—

22 (A) incorporates challenging State aca-
23 demic standards, including those adopted by a
24 State under section 6311(b)(1) of this title;

1 (B) addresses both academic and technical
2 knowledge and skills, including employability
3 skills;

4 (C) is aligned with the needs of industries
5 in the economy of the State, region, Tribal com-
6 munity, or local area;

7 (D) progresses in specificity (beginning
8 with all aspects of an industry or career cluster
9 and leading to more occupation-specific instruc-
10 tion);

11 (E) has multiple entry and exit points that
12 incorporate credentialing; and

13 (F) culminates in the attainment of a rec-
14 ognized postsecondary credential.

15 (7) WORK BASED LEARNING.—The term “work
16 based learning” means sustained interactions with
17 industry or community professionals in real work-
18 place settings, to the extent practicable, or simulated
19 environments at an educational institution that fos-
20 ter in-depth, firsthand engagement with the tasks
21 required in a given career field, that are aligned to
22 curriculum and instruction.

23 (8) RECOGNIZED POSTSECONDARY CREDEN-
24 TIAL.—The term “recognized postsecondary creden-
25 tial” has the meaning given the term in section 3 of

1 the Workforce Innovation and Opportunity Act (29
2 U.S.C. 3102).

3 (9) SPECIAL POPULATIONS.—The term “special
4 populations” means—

5 (A) individuals with disabilities;

6 (B) individuals from economically dis-
7 advantaged families, including low-income youth
8 and adults;

9 (C) individuals preparing for non-tradi-
10 tional fields;

11 (D) single parents, including single preg-
12 nant women;

13 (E) out-of-workforce individuals;

14 (F) English learners;

15 (G) homeless individuals described in sec-
16 tion 11434a of title 42;

17 (H) youth who are in, or have aged out of,
18 the foster care system; and

19 (I) youth with a parent who—

20 (i) is a member of the armed forces
21 (as such term is defined in section
22 101(a)(4) of title 10); and

23 (ii) is on active duty (as such term is
24 defined in section 101(d)(1) of such title).

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