

116TH CONGRESS  
1ST SESSION

# S. 1466

To establish a grant program within the Department of Labor to support the creation, implementation, and expansion of registered apprenticeship programs in cybersecurity.

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IN THE SENATE OF THE UNITED STATES

MAY 14, 2019

Ms. ROSEN (for herself and Mr. CRAMER) introduced the following bill; which was read twice and referred to the Committee on Health, Education, Labor, and Pensions

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## A BILL

To establish a grant program within the Department of Labor to support the creation, implementation, and expansion of registered apprenticeship programs in cybersecurity.

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 “Cyber Ready Work-  
5 force Act”.

6 **SEC. 2. FINDINGS.**

7       Congress finds the following:

14 (4) The cybersecurity field has a severe short-  
15 age in talent, with over 300,000 job openings today,  
16 according to CyberSeek, an interactive cybersecurity  
17 jobs heat map funded by the Department of Com-  
18 merce's National Institute of Standards and Tech-  
19 nology (NIST).

20 (5) Employers, especially in cybersecurity and  
21 information technology fields, may be unfamiliar  
22 with the apprenticeship model or do not have the ca-  
23 pacity or resources to develop and implement their  
24 own training.

1 **SEC. 3. DEFINITIONS.**

2 In this Act:

3 (1) REGISTERED APPRENTICESHIP PROGRAM.—

4 The term “registered apprenticeship program”  
5 means a program registered under the Act of Au-  
6 gust 16, 1937 (commonly known as the “National  
7 Apprenticeship Act”; 29 U.S.C. 50 et seq.).8 (2) WORKFORCE INTERMEDIARY.—The term  
9 “workforce intermediary” means an entity that fa-  
10 cilitates the establishment of registered apprentice-  
11 ship programs, and may be a partnership that in-  
12 cludes one or more of the following as partners:

13 (A) A business or industry organization.

14 (B) A community-based organization, as  
15 defined in section 3201(5) of the Elementary  
16 and Secondary Education Act of 1965 (20  
17 U.S.C. 7801(5)).18 (C) A State or local workforce development  
19 board, as such terms are defined in section 3 of  
20 the Workforce Innovation and Opportunity Act  
21 (29 U.S.C. 3102).22 (D) A postsecondary education institution  
23 with experience in developing and administering  
24 registered apprenticeship programs.

25 (E) A joint labor-management partnership.

(F) An institution of higher education, as defined in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)).

4 (G) A nonprofit organization.

5 SEC. 4. CYBERSECURITY APPRENTICESHIP GRANT PRO-  
6 GRAM.

7 (a) IN GENERAL.—The Secretary of Labor shall  
8 award grants, on a competitive basis, to workforce inter-  
9 mediaries, to support the establishment, implementation,  
10 and expansion of registered apprenticeship programs in  
11 cybersecurity.

12 (b) DESCRIPTION OF PROGRAMS ELIGIBLE.—For  
13 purposes of subsection (a), registered apprenticeship pro-  
14 grams in cybersecurity shall include technical instruction,  
15 workplace training, and industry-recognized certification  
16 in cybersecurity. Programs shall—

17 (1) include certifications in CompTIA  
18 Network+, CompTIA A+, CompTIA Security+,  
19 Microsoft Windows 10 Technician, Microsoft Cer-  
20 tified System Administrator, Certified Network De-  
21 fender, Certified Ethical Hacker, ISACA Cyberse-  
22 rity Nexus (CSX), (ISC)<sup>2</sup>'s Certified Information  
23 Systems Security Professional (CISSP), or other in-  
24 dustry-recognized certification in cybersecurity;

3 (3) lead to occupations such as computer sup-  
4 port specialists, cybersecurity support technicians,  
5 cloud computing architects, computer programmers,  
6 computer systems analysts, or security specialists.

## 7 SEC. 5. USE OF FUNDS.

8        (a) REQUIRED ACTIVITIES.—A workforce inter-  
9    mediary shall use at least 85 percent of the amount of  
10 grant funds received under this Act for the following:

15 (2) EMPLOYER PARTNERSHIP.—

16 (A) IN GENERAL.—Develop curricula and  
17 technical instruction for the registered appren-  
18 ticeship program in cooperation with local busi-  
19 nesses, organizations, and employer-partners,  
20 referencing the work roles and tasks outlined in  
21 the National Initiative for Cybersecurity Edu-  
22 cation (NICE) Cybersecurity Workforce Frame-  
23 work Special Publication 800–181 to develop  
24 skills and standards for the program.

1 (B) OFFSITE TRAINING.—Assist employers  
2 in paying for the cost of offsite training and ac-  
3 quiring course materials provided to appren-  
4 tices.

5 (C) CONNECTING EMPLOYERS.—Connect  
6 employers with education and training providers  
7 to complement on-the-job learning.

12 (A) Career counseling.

## 13 (B) Mentorship.

(C) Assisting with costs of transportation,  
housing, and child care services.

16 (b) ALLOWABLE ACTIVITIES.—A workforce inter-  
17 mediary may use up to 15 percent of the amount of grant  
18 funds received under this Act for the following outreach  
19 and marketing activities:

20 (1) Market apprenticeships and the apprenticeship model to employers, secondary school administrators, and counselors.

23 (2) Recruit and conduct outreach to potential  
24 apprentices, including secondary school students,

1       underrepresented populations (such as women and  
2       minorities), youth, and veterans.

3 **SEC. 6. AUTHORIZATION OF APPROPRIATIONS.**

4       There is authorized to be appropriated, such sums  
5       as may be necessary to carry out this Act.

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