

through nonprofit associations and professional associations or professional societies, to engage persons historically underrepresented in STEM through programs developed under this subsection.

(Mar. 3, 1901, ch. 872, § 18, as added Pub. L. 114-329, title III, § 306(b), Jan. 6, 2017, 130 Stat. 3008; amended Pub. L. 117-167, div. B, title II, § 10241, Aug. 9, 2022, 136 Stat. 1486.)

Editorial Notes

PRIOR PROVISIONS

A prior section 278g-1, act Mar. 3, 1901, ch. 872, § 18, as added Pub. L. 99-574, § 6(a), Oct. 28, 1986, 100 Stat. 3237; amended Pub. L. 100-418, title V, § 5115(a)(1), Aug. 23, 1988, 102 Stat. 1433; Pub. L. 102-245, title I, § 104(h)(1), Feb. 14, 1992, 106 Stat. 11; Pub. L. 110-69, title III, §§ 3008, 3013(a), Aug. 9, 2007, 121 Stat. 591, 598; Pub. L. 111-358, title IV, §§ 406(a), § 407(b), Jan. 4, 2011, 124 Stat. 4003, 4004, related to research fellowships and other financial assistance to students at institutes of higher education, prior to repeal by Pub. L. 114-329, title III, § 306(a), Jan. 6, 2017, 130 Stat. 3008.

A prior section 18 of act Mar. 3, 1901, ch. 872, was re-numbered section 32 and is classified to section 278q of this title.

AMENDMENTS

2022—Subsec. (a). Pub. L. 117-167, § 10241(1), substituted “shall” for “may” and “diverse types of institutions of higher education, including historically Black colleges and universities, Tribal Colleges and Universities, and minority-serving institutions, and community colleges” for “academia”.

Subsec. (e)(6) to (9). Pub. L. 117-167, § 10241(2), added pars. (6) to (9).

Statutory Notes and Related Subsidiaries

SAVINGS CLAUSE FOR RESEARCH FELLOWSHIPS AND OTHER FINANCIAL ASSISTANCE TO STUDENTS AT INSTITUTES OF HIGHER EDUCATION

Pub. L. 114-329, title III, § 306(d)(1), Jan. 6, 2017, 130 Stat. 3010, provided that: “The repeal made by subsection (a) of this section [repealing this section] shall not affect any award of a research fellowship or other form of financial assistance made under section 18 of the National Institute of Standards and Technology Act (15 U.S.C. 278g-1) before the date of enactment of this Act [Jan. 6, 2017]. Such award shall continue to be subject to the requirements to which such funds were subject under that section before the date of enactment of this Act.”

§ 278g-2. Post-doctoral fellowship program

(a) In general

The Institute and the National Academy of Sciences, jointly, shall establish and conduct a post-doctoral fellowship program, subject to the availability of appropriations.

(b) Organization

The post-doctoral fellowship program shall include not less than 20 new fellows per fiscal year.

(c) Evaluations

In evaluating applications for post-doctoral fellowships under this section, the Director of the Institute and the President of the National Academy of Sciences shall give consideration to the goal of promoting the participation of individuals identified in sections 1885a and 1885b of

title 42 in research areas supported by the Institute.

(Mar. 3, 1901, ch. 872, § 19, as added Pub. L. 99-574, § 8(a), Oct. 28, 1986, 100 Stat. 3238; amended Pub. L. 100-418, title V, § 5115(a)(1), Aug. 23, 1988, 102 Stat. 1433; Pub. L. 104-113, § 8(3), Mar. 7, 1996, 110 Stat. 779; Pub. L. 110-69, title III, § 3015, Aug. 9, 2007, 121 Stat. 599; Pub. L. 111-358, title IV, §§ 406(b), 407(a), Jan. 4, 2011, 124 Stat. 4004; Pub. L. 114-329, title III, § 306(c), Jan. 6, 2017, 130 Stat. 3010.)

Editorial Notes

PRIOR PROVISIONS

A prior section 19 of act Mar. 3, 1901, ch. 872, was re-numbered section 32 and is classified to section 278q of this title.

AMENDMENTS

2017—Pub. L. 114-329 amended section generally. Prior to amendment, text read as follows: “The Institute shall establish and conduct a post-doctoral fellowship program, subject to the availability of appropriations, which shall be organized and carried out in substantially the same manner as the National Academy of Sciences/National Research Council Post-Doctoral Research Associate Program that was in effect prior to 1986, and which shall include not less than twenty nor more than 120 new fellows per fiscal year. In evaluating applications for fellowships under this section, the Director shall give consideration to the goal of promoting the participation of underrepresented minorities in research areas supported by the Institute.”

2011—Pub. L. 111-358, § 407(a), struck out “, in conjunction with the National Academy of Sciences,” after “The Institute”.

Pub. L. 111-358, § 406(b), inserted at end “In evaluating applications for fellowships under this section, the Director shall give consideration to the goal of promoting the participation of underrepresented minorities in research areas supported by the Institute.”

2007—Pub. L. 110-69 substituted “nor more than 120 new fellows” for “nor more than 60 new fellows”.

1996—Pub. L. 104-113 inserted “, subject to the availability of appropriations,” after “post-doctoral fellowship program” and substituted “nor more than 60” for “nor more than forty”.

1988—Pub. L. 100-418 substituted “Institute” for “National Bureau of Standards”.

Statutory Notes and Related Subsidiaries

EFFECTIVE DATE

Pub. L. 99-574, § 8(b), Oct. 28, 1986, 100 Stat. 3238, provided that: “The amendments made by subsection (a) [enacting this section] shall be effective October 1, 1987.”

SAVINGS CLAUSE FOR POST-DOCTORAL FELLOWSHIP PROGRAM

Pub. L. 114-329, title III, § 306(d)(2), Jan. 6, 2017, 130 Stat. 3010, provided that: “The amendment made by subsection (c) of this section [amending this section] shall not affect any award of a post-doctoral fellowship or other form of financial assistance made under section 19 of the National Institute of Standards and Technology Act (15 U.S.C. 278g-2) before the date of enactment of this Act [Jan. 6, 2017]. Such awards shall continue to be subject to the requirements to which such funds were subject under that section before the date of enactment of this Act.”

§ 278g-2a. Teacher science and technology enhancement Institute program

(a) Establishment

The Director shall establish within the Institute a teacher science and technology enhance-

ment program to provide for professional development of mathematics and science teachers of elementary, middle, and secondary schools (as those terms are defined by the Director), including providing for the improvement of those teachers with respect to the understanding of science and the impacts of science on commerce.

(b) Areas of focus

In carrying out the program under this section, the Director shall focus on the areas of—

- (1) scientific measurements;
- (2) tests and standards development;
- (3) industrial competitiveness and quality;
- (4) manufacturing;
- (5) technology transfer; and
- (6) any other area of expertise of the Institute that the Director determines to be appropriate.

(c) Procedures and selection criteria

The Director shall develop and issue procedures and selection criteria for participants in the program. The Director shall give special consideration to an application from a teacher from a high-need school, as defined in section 1021 of title 20.

(d) Scheduling

The program under this section shall be conducted on an annual basis during the summer months, during the period of time when a majority of elementary, middle, and secondary schools have not commenced a school year.

(e) Means of accomplishing goals

The program shall provide for teachers' participation in activities at the laboratory facilities of the Institute, or shall utilize other means of accomplishing the goals of the program as determined by the Director, which may include the Internet, video conferencing and recording, and workshops and conferences.

(Mar. 3, 1901, ch. 872, § 19A, as added Pub. L. 105-309, § 7, Oct. 30, 1998, 112 Stat. 2937; amended Pub. L. 111-358, title IV, § 406(c), Jan. 4, 2011, 124 Stat. 4004.)

Editorial Notes

AMENDMENTS

2011—Subsec. (c). Pub. L. 111-358 inserted at end “The Director shall give special consideration to an application from a teacher from a high-need school, as defined in section 1021 of title 20.”

§ 278g-3. Computer standards program

(a) In general

The Institute shall—

- (1) have the mission of developing standards, guidelines, and associated methods and techniques for information systems;
- (2) develop standards and guidelines, including minimum requirements, for information systems used or operated by an agency or by a contractor of an agency or other organization on behalf of an agency, other than national security systems (as defined in section 3552(b)(6) of title 44);
- (3) develop standards and guidelines, including minimum requirements, for providing adequate information security for all agency op-

erations and assets, but such standards and guidelines shall not apply to national security systems;

(4) carry out the responsibilities described in paragraph (3) through the Computer Security Division; and

(5) identify and develop standards and guidelines for improving the cybersecurity workforce for an agency as part of the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework (NIST Special Publication 800-181), or successor framework.

(b) Minimum requirements for standards and guidelines

The standards and guidelines required by subsection (a) shall include, at a minimum—

(1)(A) standards to be used by all agencies to categorize all information and information systems collected or maintained by or on behalf of each agency based on the objectives of providing appropriate levels of information security according to a range of risk levels;

(B) guidelines recommending the types of information and information systems to be included in each such category; and

(C) minimum information security requirements for information and information systems in each such category;

(2) a definition of and guidelines concerning detection and handling of information security incidents;

(3) guidelines developed in coordination with the National Security Agency for identifying an information system as a national security system consistent with applicable requirements for national security systems, issued in accordance with law and as directed by the President; and

(4) performance standards and guidelines for high risk biometric identification systems, including facial recognition systems, accounting for various use cases, types of biometric identification systems, and relevant operational conditions.

(c) Development of standards and guidelines

In developing standards and guidelines required by subsections (a) and (b), the Institute shall—

(1) consult with other agencies and offices (including, but not limited to, the Director of the Office of Management and Budget, the Departments of Defense and Energy, the National Security Agency, the Government Accountability Office, and the Secretary of Homeland Security) to assure—

(A) use of appropriate information security policies, procedures, and techniques, in order to improve information security and avoid unnecessary and costly duplication of effort; and

(B) that such standards and guidelines are complementary with standards and guidelines employed for the protection of national security systems and information contained in such systems;

(2) provide the public with an opportunity to comment on proposed standards and guidelines;