

**Editorial Notes**

## REFERENCES IN TEXT

This Act, referred to in subsecs. (d)(4)(C) and (g), is Pub. L. 100-570, Oct. 31, 1988, 102 Stat. 2865, known as the National Science Foundation Authorization Act of 1988. Section 101 of this Act is not classified to the Code. For complete classification of this Act to the Code, see Short Title of 1988 Amendments note set out under section 1861 of this title and Tables.

## CODIFICATION

Section was enacted as part of the Academic Research Facilities Modernization Act of 1988, and also as part of the National Science Foundation Authorization Act of 1988, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

**Statutory Notes and Related Subsidiaries**

## CHANGE OF NAME

Committee on Labor and Human Resources of Senate changed to Committee on Health, Education, Labor, and Pensions of Senate by Senate Resolution No. 20, One Hundred Sixth Congress, Jan. 19, 1999.

**§ 1862d. Set-aside for certain institutions**

Of the amounts appropriated to the Foundation for the Program, as authorized under section 101 of this Act, in each fiscal year, at least 12 percent shall be reserved for historically Black colleges or universities defined as “part B institutions” by section 1061(2) of title 20 and other institutions of higher education whose enrollment includes a substantial percentage of students who are Black Americans, Hispanic Americans, or Native Americans.

(Pub. L. 100-570, title II, §205, Oct. 31, 1988, 102 Stat. 2877.)

**Editorial Notes**

## REFERENCES IN TEXT

Section 101 of this Act, referred to in text, is section 101 of Pub. L. 100-570, title I, Oct. 31, 1988, 102 Stat. 2865, which is not classified to the Code.

## CODIFICATION

Section was enacted as part of the Academic Research Facilities Modernization Act of 1988, and also as part of the National Science Foundation Authorization Act of 1988, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

**§ 1862e. Evaluations of research centers**

In carrying out performance reviews of research centers by the Foundation, the Director shall take such action as may be necessary, consistent with the merit review process of the Foundation, to ensure that—

- (1) members of review panels are free from any conflict of interest; and
- (2) the conditions of each award to such centers have been fulfilled.

(Pub. L. 100-570, title I, §109, Oct. 31, 1988, 102 Stat. 2869.)

**Editorial Notes**

## CODIFICATION

Section was enacted as part of the National Science Foundation Authorization Act of 1988, and not as part

of the National Science Foundation Act of 1950 which comprises this chapter.

**§ 1862f. Research center consortia**

In Foundation programs making grants to research centers, the Director shall encourage the formation of consortia that include research universities, two-year and four-year colleges, and the private sector.

(Pub. L. 100-570, title I, §110, Oct. 31, 1988, 102 Stat. 2869.)

**Editorial Notes**

## CODIFICATION

Section was enacted as part of the National Science Foundation Authorization Act of 1988, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

**§ 1862g. Established Program to Stimulate Competitive Research**

(a) The Director shall operate a program to stimulate competitive research (known as the “Established Program to Stimulate Competitive Research”), the purpose of which is to assist those States that—

(1) historically have received relatively little Federal research and development funding; and

(2) have demonstrated a commitment to develop their research bases and improve science and engineering research and education programs at their universities and colleges.

(b) A State which has received an initial award under such Program, whether or not the award was received before or after October 31, 1988, shall be eligible for up to 5 years of additional support under the Program if that State provides assurances of new matching funds and submits an acceptable new plan for using Program funds and matching funds to build the research capabilities of the State.

(Pub. L. 100-570, title I, §113, Oct. 31, 1988, 102 Stat. 2870; Pub. L. 114-329, title I, §103(e)(2), Jan. 6, 2017, 130 Stat. 2975.)

**Editorial Notes**

## CODIFICATION

Section was enacted as part of the National Science Foundation Authorization Act of 1988, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

## AMENDMENTS

2017—Pub. L. 114-329, §103(e)(2)(A), substituted “Established” for “Experimental” in section catchline.

Subsec. (a). Pub. L. 114-329, §103(e)(2)(B), substituted “a program to stimulate competitive research (known as the ‘Established Program to Stimulate Competitive Research’)” for “an Experimental Program to Stimulate Competitive Research” in introductory provisions.

Subsec. (b). Pub. L. 114-329, §103(e)(2)(C), substituted “the Program” for “the program”.

**Statutory Notes and Related Subsidiaries**

## PLANNING GRANTS

Pub. L. 107-368, §26, Dec. 19, 2002, 116 Stat. 3067, provided that: “The Director is authorized to accept plan-

ning proposals from applicants who are within .075 percentage points of the current eligibility level for the Experimental Program to Stimulate Competitive Research. Such proposals shall be reviewed by the Foundation to determine their merit for support under the Experimental Program to Stimulate Competitive Research or any other appropriate program.”

[For definitions of terms used in section 26 of Pub. L. 107-368, set out above, see section 4 of Pub. L. 107-368, set out as a note under section 1862n of this title.]

**§ 1862h. Congressional statement of findings and declaration of purposes respecting scientific and technical education and training**

**(a) Findings**

The Congress finds that—

(1) the position of the United States in the world economy faces great challenges from highly trained foreign competition;

(2) the workforce of the United States must be better prepared for the technologically advanced, competitive, global economy;

(3) the improvement of our work force's productivity and our international economic position depend upon the strengthening of our educational efforts in science, technology, engineering, and mathematics or STEM, especially at the associate-degree level;

(4) shortages of scientifically and technically educated<sup>1</sup> trained workers in a wide variety of fields will best be addressed by collaboration among the Nation's associate-degree-granting colleges and private industry to produce skilled, advanced technicians; and

(5) the National Science Foundation's traditional role in developing model curricula, disseminating instructional materials, enhancing faculty development, and stimulating partnerships between educational institutions and industry, makes an enlarged role for the Foundation in STEM education and training particularly appropriate.

**(b) Purposes**

It is the purpose of sections 1862h to 1862j of this title to—

(1) improve science and technical education at associate-degree-granting colleges;

(2) improve secondary school and postsecondary curricula in STEM fields;

(3) improve the educational opportunities of postsecondary students by creating comprehensive articulation agreements and planning between 2-year and 4-year institutions; and

(4) promote outreach to secondary schools to improve STEM instruction.

(Pub. L. 102-476, § 2, Oct. 23, 1992, 106 Stat. 2297; Pub. L. 117-167, div. B, title III, § 10312(f)(1), Aug. 9, 2022, 136 Stat. 1519.)

**Editorial Notes**

**REFERENCES IN TEXT**

Sections 1862h to 1862j of this title, referred to in subsec. (b), was in the original “this Act”, meaning Pub. L. 102-476, Oct. 23, 1992, 106 Stat. 2297, known as the Scientific and Advanced-Technology Act of 1992, which enacted this section and sections 1862i and 1862j of this title and amended section 1862 of this title. For com-

plete classification of this Act to the Code, see Short Title of 1992 Amendment note set out under section 1861 of this title and Tables.

**CODIFICATION**

Section was enacted as part of the Scientific and Advanced-Technology Act of 1992, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

**AMENDMENTS**

2022—Subsec. (a)(3). Pub. L. 117-167, § 10312(f)(1)(A)(i), substituted “science, technology, engineering, and mathematics or STEM” for “science, mathematics, and technology”.

Subsec. (a)(4). Pub. L. 117-167, § 10312(f)(1)(A)(ii), inserted “educated” before “trained”.

Subsec. (a)(5). Pub. L. 117-167, § 10312(f)(1)(A)(iii), substituted “STEM education and training” for “scientific and technical education and training”.

Subsec. (b)(2). Pub. L. 117-167, § 10312(f)(1)(B)(i), substituted “STEM fields” for “mathematics and science”.

Subsec. (b)(4). Pub. L. 117-167, § 10312(f)(1)(B)(ii), substituted “STEM instruction” for “mathematics and science instruction”.

**§ 1862i. STEM education**

**(a) National advanced STEM education program**

The Director of the National Science Foundation (hereafter in sections 1862h to 1862j of this title referred to as the “Director”) shall award grants to associate-degree-granting colleges, and consortia thereof, to assist them in providing education in advanced-technology fields and education to prepare the skilled technical workforce to meet workforce demands, and to improve the quality of their core education courses in STEM fields. The grant program shall place emphasis on the needs of students who have been in the workforce (including veterans and individuals engaged in work in the home) and on building a pathway from secondary schools to associate-degree-granting institutions, to careers that require technical training, and shall be designed to strengthen and expand the scientific and technical education and training capabilities of associate-degree-granting colleges through such methods as—

(1) the development and study of model instructional programs in advanced-technology fields and in core STEM courses;

(2) the professional development of faculty and instructors, both full- and part-time, who provide instruction in STEM and advanced-technology<sup>1</sup> fields;

(3) the establishment of innovative partnership arrangements that—

(A) involve associate-degree-granting colleges and other appropriate public and private sector entities to support the advanced-technology<sup>1</sup> industries that drive the competitiveness of the United States in the global economy;

(B) provide for private sector donations, faculty opportunities to have short-term assignments with industry, sharing of program costs, equipment loans, and the cooperative use of laboratories, plants, and other facilities, and provision for state-of-the-art work experience opportunities for students enrolled in such programs; and

<sup>1</sup> So in original. Probably should be followed by “and”.

<sup>1</sup> So in original. The space between “advanced-” and “technology” probably should not appear.