

(4) other activities consistent with subsection (a), as determined by the Director.

**(c) Instrumentation**

Funding for instrumentation is an allowed use of grants awarded under this section.

(Pub. L. 110-69, title VII, §7033, Aug. 9, 2007, 121 Stat. 711; Pub. L. 114-329, title III, §315(a), Jan. 6, 2017, 130 Stat. 3016.)

**Editorial Notes**

**CODIFICATION**

Section was enacted as part of the America COMPETES Act, also known as the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Act, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

**AMENDMENTS**

2017—Subsec. (a). Pub. L. 114-329 amended subsec. (a) generally. Prior to amendment, text read as follows: “The Director is authorized to establish a new program to award grants on a competitive, merit-reviewed basis to Hispanic-serving institutions (as defined in section 1101a of title 20) to enhance the quality of undergraduate science, technology, engineering, and mathematics education at such institutions and to increase the retention and graduation rates of students pursuing associate’s or baccalaureate degrees in science, technology, engineering, and mathematics.”

**Statutory Notes and Related Subsidiaries**

**SAVINGS PROVISION**

Pub. L. 114-329, title III, §315(b), Jan. 6, 2017, 130 Stat. 3016, provided that: “The amendment made by subsection (a) of this section [amending this section] shall not affect any award of a grant or other form of financial assistance made under section 7033 of the America COMPETES Act (42 U.S.C. 1862o-12) 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.”

**DEFINITIONS**

For definitions of terms used in this section, see section 7001 of Pub. L. 110-69, set out as a note under section 1862o of this title.

**§ 1862o-13. Professional science master’s degree programs**

**(a) Clearinghouse**

**(1) Development**

The Director shall establish a clearinghouse, in collaboration with 4-year institutions of higher education (including applicable graduate schools and academic departments), and industries and Federal agencies that employ science-trained personnel, to share program elements used in successful professional science master’s degree programs and other advanced degree programs related to science, technology, engineering, and mathematics.

**(2) Availability**

The Director shall make the clearinghouse of program elements developed under paragraph (1) available to institutions of higher education that are developing professional science master’s degree programs.

**(b) Programs**

**(1) Programs authorized**

The Director shall award grants to 4-year institutions of higher education to facilitate the institutions’ creation or improvement of professional science master’s degree programs that may include linkages between institutions of higher education and industries that employ science-trained personnel, with an emphasis on practical training and preparation for the workforce in high-need fields.

**(2) Application**

A 4-year institution of higher education desiring a grant under this section shall submit an application to the Director at such time, in such manner, and accompanied by such information as the Director may require. The application shall include—

(A) a description of the professional science master’s degree program that the institution of higher education will implement;

(B) a description of how the professional science master’s degree program at the institution of higher education will produce individuals for the workforce in high-need fields;

(C) the amount of funding from non-Federal sources, including from private industries, that the institution of higher education shall use to support the professional science master’s degree program; and

(D) an assurance that the institution of higher education shall encourage students in the professional science master’s degree program to apply for all forms of Federal assistance available to such students, including applicable graduate fellowships and student financial assistance under titles IV and VII of the Higher Education Act of 1965 (20 U.S.C. 1070 et seq., 1133 et seq.).

**(3) Preferences**

The Director shall give preference in making awards to 4-year institutions of higher education seeking Federal funding to create or improve professional science master’s degree programs, to those applicants—

(A) located in States with low percentages of citizens with graduate or professional degrees, as determined by the Bureau of the Census, that demonstrate success in meeting the unique needs of the corporate, non-profit, and government communities in the State, as evidenced by providing internships for professional science master’s degree students or similar partnership arrangements; or

(B) that secure more than two-thirds of the funding for such professional science master’s degree programs from sources other than the Federal Government.

**(4) Number of grants; time period of grants**

**(A) Number of grants**

Subject to the availability of appropriated funds, the Director shall award grants under paragraph (1) to a maximum of 200 4-year institutions of higher education.

**(B) Time period of grants**

Grants awarded under this section shall be for one 3-year term. Grants may be renewed

only once for a maximum of 2 additional years.

**(5) Evaluation and reports**

**(A) Development of performance benchmarks**

Prior to the start of the grant program, the Director, in collaboration with 4-year institutions of higher education (including applicable graduate schools and academic departments), and industries and Federal agencies that employ science-trained personnel, shall develop performance benchmarks to evaluate the pilot programs assisted by grants under this section.

**(B) Evaluation**

For each year of the grant period, the Director, in consultation with 4-year institutions of higher education (including applicable graduate schools and academic departments), and industries and Federal agencies that employ science-trained personnel, shall complete an evaluation of each program assisted by grants under this section. Any program that fails to satisfy the performance benchmarks developed under subparagraph (A) shall not be eligible for further funding.

**(C) Report**

Not later than 180 days after the completion of an evaluation described in subparagraph (B), the Director shall submit a report to Congress that includes—

- (i) the results of the evaluation; and
- (ii) recommendations for administrative and legislative action that could optimize the effectiveness of the pilot programs, as the Director determines to be appropriate.

(Pub. L. 110-69, title VII, §7034, Aug. 9, 2007, 121 Stat. 712.)

**Editorial Notes**

REFERENCES IN TEXT

The Higher Education Act of 1965, referred to in subsec. (b)(2)(D), is Pub. L. 89-329, Nov. 8, 1965, 79 Stat. 1219. Titles IV and VII of the Act are classified generally to subchapters IV (§1070 et seq.) and VII (§1133 et seq.), respectively, of chapter 28 of Title 20, Education. For complete classification of this Act to the Code, see Short Title note set out under section 1001 of Title 20 and Tables.

CODIFICATION

Section was enacted as part of the America COMPETES Act, also known as the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Act, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

**Statutory Notes and Related Subsidiaries**

DEFINITIONS

For definitions of terms used in this section, see section 7001 of Pub. L. 110-69, set out as a note under section 1862o of this title.

**§ 1862o-14. Major research instrumentation**

**(a) Award amount**

The minimum amount of an award under the Major Research Instrumentation program shall

be \$100,000. The maximum amount of an award under the program shall be \$4,000,000 except if the total amount appropriated for the program for a fiscal year exceeds \$125,000,000, in which case the maximum amount of an award shall be \$6,000,000.

**(b) Use of funds**

In addition to the acquisition of instrumentation and equipment, funds made available by awards under the Major Research Instrumentation program may be used to support the operations and maintenance of such instrumentation and equipment.

**(c) Cost sharing**

**(1) In general**

An institution of higher education receiving an award under the Major Research Instrumentation program shall provide at least 30 percent of the cost from private or non-Federal sources.

**(2) Exceptions**

Institutions of higher education that are not Ph.D.-granting institutions are exempt from the cost sharing requirement in paragraph (1), and the Director may reduce or waive the cost sharing requirement for—

**(A) institutions—**

(i) that are not ranked among the top 100 institutions receiving Federal research and development funding, as documented by the statistical data published by the Foundation; and

(ii) for which the proposed project will make a substantial improvement in the institution's capabilities to conduct leading edge research, to provide research experiences for undergraduate students using leading edge facilities, and to broaden the participation in science and engineering research by individuals identified in section 1885a or 1885b of this title; and

**(B) consortia of institutions of higher education that include at least one institution that is not a Ph.D.-granting institution.**

(Pub. L. 110-69, title VII, §7036, Aug. 9, 2007, 121 Stat. 714.)

**Editorial Notes**

CODIFICATION

Section was enacted as part of the America COMPETES Act, also known as the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Act, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

**Statutory Notes and Related Subsidiaries**

DEFINITIONS

For definitions of terms used in this section, see section 7001 of Pub. L. 110-69, set out as a note under section 1862o of this title.

**§ 1862o-15. Limit on proposals**

**(a) Policy**

For programs supported by the Foundation that require as part of the selection process for