

private sector internship experiences with the students' STEM coursework. The partnerships may also include industry or professional associations.

(b) Internship program

The grants awarded under subsection (a) may include internship programs in the manufacturing sector.

(c)¹ Use of grant funds

Grants under this section may be used—

- (1) to develop and implement hands-on learning opportunities;
- (2) to develop curricula and instructional materials related to industry, including the manufacturing sector;
- (3) to perform outreach to secondary schools;
- (4) to develop mentorship programs for students with partner organizations; and
- (5) to conduct activities to support awareness of career opportunities and skill requirements.

(d)² Priority

In awarding grants under this section, the Director shall give priority to institutions of higher education or consortia thereof that demonstrate significant outreach to and coordination with local or regional private sector entities and Regional Centers for the Transfer of Manufacturing Technology established by section 278k(a)³ of title 15 in developing academic courses designed to provide students with the skills or certifications necessary for employment in local or regional companies.

(c)¹ Outreach to rural communities

The Foundation shall conduct outreach to institutions of higher education and private sector entities in rural areas to encourage those entities to participate in partnerships under this section.

(d)² Cost-share

The Director shall require a 50 percent non-Federal cost-share from partnerships established or expanded under this section.

(e) Restriction

No Federal funds provided under this section may be used—

- (1) for the purpose of providing stipends or compensation to students for private sector internships unless private sector entities match 75 percent of such funding; or
- (2) as payment or reimbursement to private sector entities, except for institutions of higher education.

(f) Report

Not less than 3 years after January 4, 2011, the Director shall submit a report to Congress on the number and total value of awards made under this section, the number of students affected by those awards, any evidence of the effect of those awards on workforce preparation and jobs placement for participating students,

and an economic and ethnic breakdown of the participating students.

(Pub. L. 111-358, title V, §515, Jan. 4, 2011, 124 Stat. 4012.)

Editorial Notes

REFERENCES IN TEXT

Section 278k of title 15, referred to in subsec. (d), was amended generally by Pub. L. 114-329, title V, §501(b), Jan. 6, 2017, 130 Stat. 3023, and, as so amended, relates to the Hollings Manufacturing Extension Partnership.

CODIFICATION

Section was enacted as part of the America COMPETES Reauthorization Act of 2010, also known as the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Reauthorization Act of 2010, and also as part of the National Science Foundation Authorization Act of 2010, 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 2 of Pub. L. 111-358, set out as a note under section 6621 of this title, and section 502 of Pub. L. 111-358, set out as a note under section 1862p of this title.

§ 1862p-8. Cyber-enabled learning for national challenges

The Director shall, in consultation with appropriate Federal agencies, identify ways to use cyber-enabled learning to create an innovative STEM workforce and to help retrain and retain our existing STEM workforce to address national challenges, including national security and competitiveness, and use technology to enhance or supplement laboratory based learning.

(Pub. L. 111-358, title V, §516, Jan. 4, 2011, 124 Stat. 4012.)

Editorial Notes

CODIFICATION

Section was enacted as part of the America COMPETES Reauthorization Act of 2010, also known as the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Reauthorization Act of 2010, and also as part of the National Science Foundation Authorization Act of 2010, 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 2 of Pub. L. 111-358, set out as a note under section 6621 of this title, and section 502 of Pub. L. 111-358, set out as a note under section 1862p of this title.

§ 1862p-9. Experimental Program to Stimulate Competitive Research

(a) Findings

The Congress finds that—

- (1) the National Science Foundation Act of 1950 [42 U.S.C. 1861 et seq.] stated, “it shall be an objective of the Foundation to strengthen research and education in the sciences and en-

¹ So in original. Two subsecs. (c) have been enacted.

² So in original. Two subsecs. (d) have been enacted.

³ See References in Text note below.