

§ 3914. Materials development and methods research for mathematics, science, and engineering

(a) Authorization to award competitive grants; covered institutions, businesses, etc.; purposes

The Foundation is authorized, in accordance with the provisions of this subchapter, to award competitive grants to institutions of higher education, businesses, nonprofit private organizations, local education agencies, professional engineering and scientific associations, museums, libraries, public broadcasting entities (as defined in section 397(11) of title 47), and appropriate State agencies—

- (1) for instructional curriculum improvement and faculty development in mathematics, science, and engineering;
- (2) for programs designed to enhance public understanding of mathematics, science, and engineering, including the use of public broadcasting entities; and
- (3) for research on methods of instruction and educational programs in mathematics, science, engineering, and critical foreign languages.

(b) Scope of studies

Studies conducted under subsection (a)(3) of this section may include—

- (1) teaching and learning research and its application to local and private sector instructional materials development and to improved teacher training programs;
- (2) research on the use of local and informal science education activities;
- (3) research on recruitment, retention, and improvement of mathematics, science, engineering, and critical languages faculties; and
- (4) analysis of materials and methods for mathematics, science, and engineering education used in other countries and their potential application in the United States.

(c) Matching grant requirements

Funds awarded for such competitive grants shall be expended through a system requiring matching of the grant. The minimum amount required as a match shall be equal to a percentage of the grant that is determined by the Foundation. Funds made available for matching purposes may include in-kind services or other resources.

(d) Materials or methods research application requirements

In making grant applications for materials or methods research for the purposes described in subsections (a)(1) and (a)(3) of this section, the Foundation shall assure the involvement of appropriate State or local education agencies in the case of applications submitted by other entities described in subsection (a) of this section, or that one or more of such other entities will be consulted in the case of applications submitted by State or local education agencies.

(Pub. L. 98-377, title I, §104, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 895.)

PRIOR PROVISIONS

A prior section 3914, Pub. L. 98-377, title I, §114, Aug. 11, 1984, 98 Stat. 1269, related to cooperation with busi-

ness concerns, prior to the general revision of this subchapter by section 201 of Pub. L. 99-159. See section 3913(c) of this title.

§ 3915. Graduate fellowships

The Foundation is authorized, in accordance with the provisions of this subchapter, to establish and carry out a program of graduate fellowships for the purpose of encouraging and assisting promising students to continue their education and research in mathematics, science, and engineering.

(Pub. L. 98-377, title I, §105, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 896.)

PRIOR PROVISIONS

A prior section 3915, Pub. L. 98-377, title I, §115, Aug. 11, 1984, 98 Stat. 1269, related to special consideration for applications meeting the needs of underrepresented and underserved populations, prior to the general revision of this subchapter by section 201 of Pub. L. 99-159. See section 3919 of this title.

§ 3916. Other functional activities

(a) The Foundation is authorized to expend up to 15 per centum of the funds available for science and engineering education for applications which the Foundation determines will meet one or more of the functional objectives described in section 3912(b) of this title.

(b) Such programs may include a program for the exchange of mathematics, science, or engineering faculty between institutions of higher education (particularly institutions having nationally recognized research facilities) and eligible institutions. For the purposes of this section, the term “eligible institution” means an institution of higher education which—

- (1) has an enrollment which includes a substantial percentage of students who are members of a minority group, or who are economically or educationally disadvantaged; or
- (2) is located in a community that is not within commuting distance of a major institution of higher education; and
- (3) demonstrates a commitment to meet the special educational needs of students who are members of a minority group or are economically or educationally disadvantaged.

(Pub. L. 98-377, title I, §106, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 896.)

§ 3917. Repealed. Pub. L. 104-66, title II, §2141(a), Dec. 21, 1995, 109 Stat. 731

Section, Pub. L. 98-377, title I, §107, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 896; amended Pub. L. 103-437, §7(c), Nov. 2, 1994, 108 Stat. 4588, related to developing and annual update of a strategic plan for science and engineering education.

§ 3918. Approval of proposals

The Foundation shall adopt approval procedures designed to assure that awards are made on the basis of the scientific and educational merit as determined by the peer review process. To the maximum extent possible, the Foundation shall assure that there is an equitable distribution of resources with respect to institutions and geographical areas.

(Pub. L. 98-377, title I, §108, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 896.)

§ 3919. Special consideration of under-represented and underserved population

In providing financial assistance under this subchapter, the Foundation shall make every effort to ensure that consideration is given to proposals which contain provisions designed to meet the needs of underrepresented and underserved populations.

(Pub. L. 98-377, title I, §109, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 897.)

§ 3920. Availability of funds

Funds to carry out this subchapter for any fiscal year shall be made available from amounts appropriated pursuant to annual authorizations of appropriations for the National Science Foundation for Science and Engineering Education. For fiscal year 1986, funds to carry out this subchapter shall be available from amounts authorized by section 102(a)(8) of the National Science Foundation Authorization Act for fiscal year 1986.

(Pub. L. 98-377, title I, §110, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 897.)

REFERENCES IN TEXT

Section 102(a)(8) of the National Science Foundation Authorization Act for fiscal year 1986, referred to in text, is section 102(a)(8) of Pub. L. 99-159, title I, Nov. 22, 1985, 99 Stat. 887, which is not classified to the Code.

§ 3921. Prohibition against the Federal control of education

The provisions of section 1232a¹ of this title, relating to prohibition against Federal control of education, shall apply to each program and award authorized by this subchapter.

(Pub. L. 98-377, title I, §111, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 897.)

REFERENCES IN TEXT

Section 1232a of this title, referred to in text, was in the original a reference to section 432 of the General Education Provisions Act. Sections 425 and 432 of that Act were renumbered as sections 432 and 438, respectively, by Pub. L. 103-382, title II, §212(b)(1), Oct. 20, 1994, 108 Stat. 3913, and are classified to sections 1231b-2 and 1232a, respectively, of this title.

PRIOR PROVISIONS

A prior section 3921, Pub. L. 98-377, title I, §121, Aug. 11, 1984, 98 Stat. 1269, related to programs authorized for mathematics and science education development, prior to the general revision of this subchapter by section 201 of Pub. L. 99-159. See section 3914 of this title.

§ 3922. Participation of teachers from private schools

The Foundation shall, after consultation with appropriate private school representatives, make provision for the benefit of teachers in private elementary and secondary schools in the programs authorized by this subchapter, in order to assure equitable participation of such teachers.

(Pub. L. 98-377, title I, §112, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 897.)

¹ See References in Text note below.

PRIOR PROVISIONS

Prior sections 3922 to 3954 were omitted in the general revision of this subchapter by section 201 of Pub. L. 99-159.

Prior section 3922, Pub. L. 98-377, title I, §122, Aug. 11, 1984, 98 Stat. 1269, related to requirements, contents, etc., for applications and defined "eligible applicant".

Prior section 3923, Pub. L. 98-377, title I, §123, Aug. 11, 1984, 98 Stat. 1270, related to special consideration for applications meeting the needs of underrepresented and underserved populations. See section 3919 of this title.

Prior section 3931, Pub. L. 98-377, title I, §132, Aug. 11, 1984, 98 Stat. 1270, related to establishment, etc., of the merit scholarship program.

Prior section 3932, Pub. L. 98-377, title I, §133, Aug. 11, 1984, 98 Stat. 1271, related to criteria, etc., for selection of merit scholars.

Prior section 3933, Pub. L. 98-377, title I, §134, Aug. 11, 1984, 98 Stat. 1271, related to amount of stipends and conditions for scholarships.

Prior section 3941, Pub. L. 98-377, title I, §141, Aug. 11, 1984, 98 Stat. 1272, related to authority, etc., of the Director to make grants, to enter into contracts, and to conduct programs from discretionary funds. See section 3916 of this title.

Prior section 3951, Pub. L. 98-377, title I, §161, Aug. 11, 1984, 98 Stat. 1272, related to the administrative authorities of the Foundation and reporting requirements.

Prior section 3952, Pub. L. 98-377, title I, §162, Aug. 11, 1984, 98 Stat. 1273, related to participation of teachers from private schools. See section 3922 of this title.

Prior section 3953, Pub. L. 98-377, title I, §163, Aug. 11, 1984, 98 Stat. 1273, related to prohibition against Federal control of education. See section 3921 of this title.

Prior section 3954, Pub. L. 98-377, title I, §164, Aug. 11, 1984, 98 Stat. 1273, related to authorization of appropriations for purposes of former provisions. See section 3920 of this title.

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§§ 3961 to 3973. Repealed. Pub. L. 100-297, title II, § 2303, Apr. 28, 1988, 102 Stat. 324

Section 3961, Pub. L. 98-377, title II, §201, Aug. 11, 1984, 98 Stat. 1273, related to purpose of subchapter.

Section 3962, Pub. L. 98-377, title II, §202, Aug. 11, 1984, 98 Stat. 1274, defined "junior or community college".

Section 3963, Pub. L. 98-377, title II, §203, Aug. 11, 1984, 98 Stat. 1274; Pub. L. 99-159, title II, §222(a), Nov. 22, 1985, 99 Stat. 897; Pub. L. 100-418, title VI, §6005, Aug. 23, 1988, 102 Stat. 1471, related to program authorized.

Section 3964, Pub. L. 98-377, title II, §204, Aug. 11, 1984, 98 Stat. 1274; Pub. L. 99-159, title II, §223, Nov. 22, 1985, 99 Stat. 897, related to allotment to States.

Section 3965, Pub. L. 98-377, title II, §205, Aug. 11, 1984, 98 Stat. 1275; Pub. L. 99-159, title II, §222(b), Nov. 22, 1985, 99 Stat. 897, related to in-State apportionment.

Section 3966, Pub. L. 98-377, title II, §206, Aug. 11, 1984, 98 Stat. 1275; Pub. L. 99-159, title II, §224, Nov. 22, 1985, 99 Stat. 898, related to elementary and secondary education programs.

Section 3967, Pub. L. 98-377, title II, §207, Aug. 11, 1984, 98 Stat. 1277; Pub. L. 99-159, title II, §225, Nov. 22, 1985, 99 Stat. 899, related to higher education programs.

Section 3968, Pub. L. 98-377, title II, §208, Aug. 11, 1984, 98 Stat. 1278; Pub. L. 99-159, title II, §226, Nov. 22, 1985, 99 Stat. 899, related to State assessments of mathematics, science, foreign languages, and computer learning.

Section 3969, Pub. L. 98-377, title II, §209, Aug. 11, 1984, 98 Stat. 1279; Pub. L. 99-159, title II, §227, Nov. 22, 1985, 99 Stat. 899, related to State applications.

Section 3970, Pub. L. 98-377, title II, §210, Aug. 11, 1984, 98 Stat. 1280; Pub. L. 99-159, title II, §228, Nov. 22, 1985, 99 Stat. 900, related to local educational agency assessments.