

107TH CONGRESS  
1ST SESSION

# H. R. 932

To provide scholarships for scientists and engineers to become certified as science, mathematics, and technology teachers in elementary and secondary schools.

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## IN THE HOUSE OF REPRESENTATIVES

MARCH 7, 2001

Mr. UDALL of Colorado (for himself and Mr. WU) introduced the following bill; which was referred to the Committee on Science

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## A BILL

To provide scholarships for scientists and engineers to become certified as science, mathematics, and technology teachers in elementary and secondary schools.

1       *Be it enacted by the Senate and House of Representa-*  
2       *tives of the United States of America in Congress assembled,*

3       **SECTION 1. SHORT TITLE.**

4       This Act may be cited as the “Science Teacher Schol-  
5       arships for Scientists and Engineers Act”.

6       **SEC. 2. FINDINGS.**

7       The Congress finds that—

1           (1) the quality of education in science, mathe-  
2           matics, and engineering is the foundation of the Na-  
3           tion’s future security and prosperity;

4           (2) there is evidence that the Nation’s schools  
5           are not ready to meet this challenge due to inad-  
6           equately small numbers of qualified science, mathematics,  
7           and technology teachers;

8           (3) the Department of Education has estimated  
9           that more than 240,000 new science and mathe-  
10          matics elementary and secondary school teachers are  
11          needed over the next decade;

12          (4) at present, 34 percent of public school  
13          mathematics teachers and nearly 40 percent of  
14          science teachers lack even a minor in their primary  
15          teaching fields; and

16          (5) new incentives are required to attract stu-  
17          dents from science and engineering fields to pursue  
18          careers as science, mathematics, and technology  
19          teachers in elementary and secondary schools.

20 **SEC. 3. DEFINITIONS.**

21       In this Act—

22           (1) the term “science teacher” means a science,  
23           mathematics, or technology teacher at the elemen-  
24           tary or secondary school level;

1           (2) the term “Director” means the Director of  
2           the National Science Foundation; and

3           (3) the term “institution of higher education”  
4           has the meaning given such term in section 101 of  
5           the Higher Education Act of 1965 (20 U.S.C.  
6           1001).

7   **SEC. 4. PROGRAM AUTHORIZED.**

8           The Director is authorized to make awards to institu-  
9           tions of higher education to provide scholarships to assist  
10          graduates of baccalaureate degree programs in science,  
11          mathematics, or engineering, or individuals pursuing de-  
12          grees in those fields, to fulfill the academic requirements  
13          necessary to become certified as science teachers. Such  
14          awards shall be made through competitive, merit-based  
15          procedures.

16   **SEC. 5. SCHOLARSHIP AMOUNT AND DURATION.**

17          Each scholarship provided through awards under sec-  
18          tion 4 shall be in the amount of \$7,500 and shall cover  
19          a period of 1 year.

20   **SEC. 6. REQUIREMENTS.**

21          (a) **ELIGIBILITY.**—Institutions of higher education  
22          offering baccalaureate degrees in science, mathematics,  
23          and engineering and coursework toward teacher certifi-  
24          cation are eligible to apply for awards under the program

1 established by section 4. Individuals provided scholarships  
2 under the program shall be—

3 (1) undergraduate students majoring in science,  
4 mathematics, or engineering who are within 1 aca-  
5 demic year of completion of degree requirements; or

6 (2) graduates of baccalaureate or advanced de-  
7 gree programs in science, mathematics, or engineer-  
8 ing.

9 (b) GUIDELINES, PROCEDURES, AND CRITERIA.—  
10 The Director shall establish and publish application and  
11 selection guidelines, procedures, and criteria for the pro-  
12 gram established by section 4.

13 (c) REQUIREMENTS FOR SCHOLARSHIP APPLICA-  
14 TIONS.—Each application for a scholarship shall include  
15 a plan specifying the course of study that will allow the  
16 applicant to fulfill the academic requirements for obtain-  
17 ing a teaching certificate during the scholarship period.

18 (d) WORK REQUIREMENT.—As a condition of accept-  
19 ance of a scholarship under this Act, a recipient shall  
20 agree to work as a science teacher for a minimum of 2  
21 years following certification as such a teacher or to repay  
22 the amount of the scholarship to the National Science  
23 Foundation.

1 **SEC. 7. AUTHORIZATION OF APPROPRIATIONS.**

2       There are authorized to be appropriated to the Na-  
3 tional Science Foundation to carry out this Act  
4 \$20,000,000 for each of the fiscal years 2002, 2003, and  
5 2004.

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