



CONGRESSIONAL BUDGET OFFICE COST ESTIMATE

June 19, 2006

H.R. 5358 **Science and Mathematics Education for Competitiveness Act**

As ordered reported by the House Committee on Science on June 7, 2006

SUMMARY

H.R. 5358 would reauthorize certain programs carried out by the National Science Foundation (NSF). The bill would direct the NSF to continue funding for its division of undergraduate education and would specifically authorize appropriations for three grant or scholarship programs carried out by that division. In addition, the bill would direct the NSF to continue operating its centers for research on learning and education improvement and to allocate at least 1.5 percent of amounts appropriated for research and related activities each year to the integrative graduate education and research traineeship program (IGERT). Assuming appropriation of the specified and estimated amounts, CBO estimates that implementing H.R. 5358 would cost \$131 million in fiscal year 2007 and \$1.7 million over the 2007-2011 period. (An additional \$500 million would be spent after 2011.)

The bill also would authorize the NSF to accept and use donations to support scholarships and other payments to students under the Robert Noyes teacher scholarship program. CBO estimates that providing this authority would have no effect on federal revenues (or spending of those revenues) because the agency already has similar authority under current law. Enacting this legislation would not affect other direct spending or revenues.

H.R. 5358 contains no intergovernmental or private-sector mandates as defined in the Unfunded Mandates Reform Act (UMRA); any costs to state, local, or tribal governments would result from complying with conditions of federal assistance.

ESTIMATED COST TO THE FEDERAL GOVERNMENT

The estimated budgetary impact of H.R. 5358 is shown in the following table. The costs of this legislation fall within budget function 250 (general science, space, and technology).

	By Fiscal Year, In Millions of Dollars					
	2006	2007	2008	2009	2010	2011
SPENDING SUBJECT TO APPROPRIATION						
Spending Under Current Law for NSF						
Science and Mathematics Education						
Programs						
Budget Authority ^a	295	0	0	0	0	0
Estimated Outlays	281	218	86	28	6	0
Proposed Changes:						
Robert Noyce Scholarship Program						
Authorization Level	0	50	70	90	110	130
Estimated Outlays	0	11	38	61	84	105
Science and Mathematics Education						
Partnerships						
Authorization Level	0	63	73	83	93	103
Estimated Outlays	0	14	44	64	79	90
STEM Talent Expansion Program						
Authorization Level	0	44	55	60	60	60
Estimated Outlays	0	10	32	47	56	59
Integrative Graduate Education and						
Research Traineeship Program						
Estimated Authorization Level	0	66	67	69	70	71
Estimated Outlays	0	15	45	59	67	69
Centers for Research on Learning and						
Education Improvement						
Estimated Authorization Level	0	26	26	27	27	28
Estimated Outlays	0	6	17	23	26	27
Other Undergraduate Education Programs						
Estimated Authorization Level	0	116	118	120	122	125
Estimated Outlays	0	75	102	116	121	123
Total Proposed Changes						
Estimated Authorization Level	0	365	410	449	483	516
Estimated Outlays	0	131	278	370	433	473
Spending Under H.R. 5358 for NSF						
Science and Mathematics Education						
Programs						
Authorization Level ^a	295	365	410	449	483	516
Estimated Outlays	281	348	365	397	440	473

NOTES: STEM = Science, technology, engineering, and mathematics.
Components may not sum to totals because of rounding.

a. The 2006 level is the amount appropriated for that year for the NSF programs that would be reauthorized by H.R. 5358.

BASIS OF ESTIMATE

For this estimate, CBO assumes that H.R. 5358 will be enacted during fiscal year 2006 and that the entire amounts specified by the bill or estimated to be necessary will be appropriated for each of fiscal years 2007 through 2011. Estimated outlays are based on historical patterns for the authorized programs.

H.R. 5358 would specifically authorize the appropriation of about \$1.1 billion over the 2007-2011 period for three educational grant programs carried out by NSF's division of undergraduate education. CBO estimates that the bill also would authorize the appropriation of an additional \$1.1 billion over that period for grants by directing the agency to continue to carry out other graduate and undergraduate grant programs. This estimate is based on appropriations in recent years for these activities, adjusted annually for anticipated inflation. Assuming appropriation of these amounts, CBO estimates that carrying out H.R. 5358 would cost \$131 million in 2007 and about \$1.7 billion over the 2007-2011 period.

INTERGOVERNMENTAL AND PRIVATE-SECTOR IMPACT

H.R. 5358 contains no intergovernmental or private-sector mandates as defined in UMRA. The bill would authorize activities and grant funds that would benefit institutions of higher education. Any costs they might incur would result from complying with conditions of federal assistance.

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