

NSF Computer Science, Engineering, and Mathematics Scholarships (CSEMS)

Program Solicitation *NSF 00-85*

DIRECTORATE FOR EDUCATION AND HUMAN RESOURCES
DIVISION OF UNDERGRADUATE EDUCATION

LETTER OF INTENT DEADLINE: June 16, 2000 (*Optional*)
PROPOSAL DEADLINE: August 3, 2000



NATIONAL SCIENCE FOUNDATION



The National Science Foundation promotes and advances scientific progress in the United States by competitively awarding grants and cooperative agreements for research and education in the sciences, mathematics, and engineering.

To get the latest information about program deadlines, to download copies of NSF publications, and to access abstracts of awards, visit the NSF Web Site at:

<http://www.nsf.gov>

- **Location:** 4201 Wilson Blvd.
Arlington, VA 22201.
- **For General Information (NSF Information Center):** (703) 306-1234
- **TDD (for the hearing-impaired):** (703) 306-0090
- **To Order Publications or Forms:**
Send an e-mail to: pubs@nsf.gov
or telephone: (301) 947-2722
- **To Locate NSF Employees:** (703) 306-1234

SUMMARY OF PROGRAM REQUIREMENTS

GENERAL INFORMATION

Program Title: NSF Computer Science, Engineering, and Mathematics Scholarships (CSEMS)

Synopsis of Program: This program supports scholarships for low-income students enabling them to pursue associate, baccalaureate, or graduate level degrees in computer science, computer technology, engineering, engineering technology, or mathematics. Academic institutions apply for awards to support scholarship activities, and are responsible for selecting scholarship recipients.

Cognizant Program Officer: Marilyn Suiter, Lead Program Officer, Division of Undergraduate Education, Room 835, telephone: (703) 306-1625 x6812, e-mail: msuiter@nsf.gov

Applicable Catalog of Federal Domestic Assistance (CFDA) Number:

- 47.076 --- EDUCATION AND HUMAN RESOURCES

ELIGIBILITY INFORMATION

- **Organization Limit:** Proposals may be submitted only by institutions of higher education (as defined in section 101(a) of the Higher Education Act of 1965), including consortia of such institutions, that grant degrees in computer science, computer technology, engineering, engineering technology, or mathematics.
- **PI Eligibility Limit:** The PI must be an institutional leader within the faculty or administration.
- **Limit on Number of Proposals:** An institution may submit no more than one proposal per competition.

AWARD INFORMATION

- **Anticipated Type of Award:** Standard or Continuing Grants
- **Estimated Number of Awards:** At least 100. NOTE: Pending legislation may impact this solicitation. Please check the website* periodically for the most recent information.
*<http://www.ehr.nsf.gov/ehr/du/programs/csems/>
- **Anticipated Funding Amount:** Approximately \$25 million for FY 2001, pending availability of funds.

PROPOSAL PREPARATION AND SUBMISSION INSTRUCTIONS

A. Proposal Preparation Guidelines

- **Proposal Preparation Instructions:** Supplemental Preparation Guidelines.
 - The program contains supplements to the standard Grant Proposal Guide (GPG) (NSF 00-2) instructions. Please see the full program announcement/solicitation for further information.

B. Budgetary Information

- **Cost Sharing Requirements:** Cost Sharing is not required
- **Indirect F&A Costs:** No indirect costs are allowed

- **Other Budgetary Limitations:** Organizations may request an additional amount equal to 5% or less of the total scholarship amount for student-support infrastructure, and an additional amount equal to 5% or less of the total scholarship amount for project management and administration.

C. Deadline/Target Dates

- **Letter of Intent Deadline:** 6/16/00 (*Optional*)
- **Preproposal Deadline:** None
- **Full Proposal Deadline:** 8/3/00

D. FastLane Requirements

- **FastLane Submission:** Full Proposal Required
- **FastLane Contacts:**
 - FastLane Help Desk, telephone: (703) 306-1142, e-mail: fastlane@nsf.gov.
 - Romona Truesdale, Computer Specialist, Division of Undergraduate Education, Room 835, telephone: (703) 306-1665 x5889, e-mail: duefl@nsf.gov.
 - Mark Claire, Science Education Analyst, Division of Undergraduate Education, Room 835, telephone: (703) 306-1665 x5873, e-mail: mclaire@nsf.gov.

PROPOSAL REVIEW INFORMATION

- **Merit Review Criteria:** National Science Board approved criteria. Additional merit review considerations apply. Please see the full program announcement/solicitation for further information.

AWARD ADMINISTRATION INFORMATION

- **Award Conditions:** Standard NSF award conditions apply.
- **Reporting Requirements:** Additional reporting requirements apply. Please see the full program announcement/solicitation for further information.

I. INTRODUCTION

The NSF Computer Science, Engineering, and Mathematics Scholarships (CSEMS) program provides institutions with funds for student scholarships to encourage and enable the achievement of higher education degrees in computer science, computer technology, engineering, engineering technology, or mathematics by talented but financially disadvantaged students. The program is established by the National Science Foundation (NSF) in accordance with the American Competitiveness and Workforce Improvement Act of 1998 (P.L. 105-277). The Act reflects the national need to increase substantially the number of graduates of associate, baccalaureate, and graduate degree programs in the named fields.

The goals of this program include:

- Improved education for students in the stated disciplines;
- Increased retention of students to degree achievement;
- Improved professional development and employment or further higher education placement of participating students; and
- Strengthened partnerships between institutions of higher education and related employment sectors.

II. PROGRAM DESCRIPTION

The primary objective of the CSEMS program is to provide educational opportunities to low-income, academically talented students through scholarships that promote full-time enrollment and degree achievement in higher education.

Grantee institutions will establish a scholarship activity under the CSEMS program. Scholarship support will be provided to students who meet the CSEMS eligibility criteria and who compete successfully in a selection process developed by the grantee. Each proposing institution will provide a description of the selection criteria and process, and explain and justify the proposed distribution of scholarship recipients by degree program (associate, baccalaureate, and graduate).

It is expected that scholarship recipients will achieve one of the following by the end of the grant period (two years):

- (1) Receive an associate, baccalaureate, or graduate degree in one of the CSEMS disciplines;
- (2) Transfer from an associate to a baccalaureate degree program in one of the CSEMS disciplines;
- (3) Successfully complete a stage within an associate, baccalaureate, or graduate degree program in one of the CSEMS disciplines that, in the particular institution, is documented in the proposal as a point of unusually high attrition.

The eligibility criteria for CSEMS scholarship recipients are:

- United States citizens, nationals, refugee aliens, or permanent resident aliens at the time of application;
- Financial need, defined here as financial eligibility for U.S. Department of Education Pell Grant or Graduate Assistance in Areas of National Need; and
- Full-time enrollment in computer science, computer technology, engineering, engineering technology, and/or mathematics degree programs at the associate, baccalaureate, or graduate level.

The selection process for scholarship recipients should include indicators of academic merit and other indicators of likely professional success. Multiple indicators may be appropriate in gauging both academic merit (e.g., grade point average, class rank, etc.) and professionalism (e.g., motivation, ability to manage time and resources, communication skills, etc.). Selection criteria should be flexible enough to accommodate applicants who come from diverse backgrounds and with diverse career goals. CSEMS scholars must be able to demonstrate their eligibility in each semester/quarter of CSEMS support.

It is expected that grantee institutions will provide and describe in the proposal the student-support infrastructure that is necessary for the successful graduation of scholarship recipients. Such an infrastructure would include, for example:

- Recruitment of students, with special consideration to groups underrepresented in CSEMS fields, i.e., women, racial and ethnic minorities,* and persons with disabilities.
- Academic support and mentoring to support the student in making progress toward the degree, and to prepare the student for the workplace.
- Increased involvement of discipline faculty or industry representatives with CSEMS students.
- Application-oriented experiences to increase the student's understanding of workplace needs and their relationship to educational preparation.
- Retention of scholarship recipients to degree.
- Support in employment placement of scholarship recipient on receipt of degree.

Grantee institutions are also expected to have and describe a clearly articulated management and administrative plan for:

- Verification of scholarship candidates' eligibility, including the recipients' academic merit, appropriate affective skills, and disciplinary matriculation.
- Provision of scholarship amounts up to \$2,500 per student, per academic year, to be used for expenses normally incurred by all full-time students in the indicated fields at the institution, including tuition, fees, books, supplies, and equipment.
- Evaluation of program outcomes.

Grantee institutions may request additional funds to address the student-support infrastructure costs as well as the project management and administrative costs. An amount equal to 5% or less of the total scholarship amount may be added to the budget for student-support infrastructure; similarly, an additional amount equal to 5% or less of the total scholarship amount may be added to the budget for project management and administration. No indirect costs are allowed.

The Principal Investigator (PI) will have overall responsibility for the administration of the institution's grant award, the management of the project, and interactions with the NSF. The PI and the grantee institution are expected to have or to develop an administrative structure that enables faculty, school administrators, scholarship recipients, and others involved in the project to interact productively during the grant award period. The PI is expected to be an integral participant in the educational activities of the CSEMS project.

Within the grantee institution, the departments reflecting the CSEMS disciplines and the non-academic organizational units integral to the success of the proposed project are expected to collaborate in implementing the project plans. Proposers are encouraged to establish collaborative arrangements with other organizations (e.g., industry, non-profit organizations) to support their activities.

Proposing institutions should provide evidence of the high quality of their educational programs, especially in the targeted disciplines, reflecting standards typically required for accreditation in higher education, for example:

- External accreditation;
- Academic courses of study that are well-defined, current, and intellectually rigorous;
- Percentage of enrolled students who are retained through completion of the targeted degree;
- Percentage of students who continue their education at higher degree levels; and
- Data on student placement in employment or further higher education on graduation.

* For the purposes of this announcement, minorities are defined as members of those racial and ethnic groups underrepresented in science and engineering: Native Americans (American Indians and Alaskan Natives), Blacks (African Americans), Native Pacific Islanders (Polynesians or Micronesians), and Hispanics/Latinos.

Proposals should clearly describe the plan for implementing a program with the goals and characteristics outlined in the preceding text. The proposal should include, within the project description (limited to 15 pages,) the following:

- Statement of the project objectives and plan;
- Discussion of the project's significance;
- Description of the management and administrative plan;
- Evidence of the quality of the institution's educational programs;
- Description of the process through which the program elements will be implemented;
- Description of the student support structure and its impact on students;
- Information on the demographics of the departments or programs affected by the scholarships, including number of majors and number of graduates per year, as well as information on enrollment and retention within the institution and programs involved;
- Rationale for the number of scholarships and the scholarship amount requested; and
- Plans for documentation of project activities and outcomes.

III. ELIGIBILITY INFORMATION

A. Institutions

Institutions of higher education (as defined in section 101(a) of the Higher Education Act of 1965) in the United States and its territories, including consortia of such institutions, that grant associate, baccalaureate, or graduate degrees in computer science, computer technology, engineering, engineering technology, or mathematics are invited to submit proposals. Projects involving more than one department within an institution are eligible, but a single Principal Investigator must accept overall management responsibility. An institution may submit no more than one proposal per round of competition. Proposals from a formal consortium should be submitted by the consortium; proposals from an informal consortium should be submitted by one member of the consortium.

B. Principal Investigator

The Principal Investigator must be an institutional leader within the faculty or administration.

C. Scholarship Recipients

CSEMS student recipients will be selected by awardee institutions, but must be:

- United States citizens, nationals, refugee aliens, or permanent resident aliens at the time of application;
- Able to establish financial need, defined here as financial eligibility for U.S. Department of Education Pell Grant or Graduate Assistance in Areas of National Need; and
- Enrolled full-time in computer science, computer technology, engineering, engineering technology, and/or mathematics degree programs.

IV. AWARD INFORMATION

The number and size of awards will vary depending upon the scope of projects and availability of funds. In fiscal year 2001, approximately \$25 million is expected to be available to support at least 100 CSEMS awards. These awards are normally not expected to exceed \$110,000 per year for two years. NOTE: Pending legislation may impact this solicitation. Please check the website* periodically for the most recent information.

*<http://www.ehr.nsf.gov/ehr/du/programs/csems/>.

If the submitting organization has never received an NSF award, it is recommended that the organization's appropriate administrative officials become familiar with the policies and procedures in the NSF Grant Policy Manual (GPM) ([NSF 95-26](#)) which are applicable to most NSF awards. The Prospective New Awardee Guide ([NSF 99-78](#)) includes Administration and Management Information; Accounting System Requirements and Auditing Information; and information on Payments to Organizations with Awards. This information will assist an organization in preparing documents that NSF requires to conduct administrative and financial reviews of an organization. The guide also serves as a means of highlighting the accountability requirements associated with Federal awards. This document is available electronically on NSF's Web site via <http://www.nsf.gov/cgi-bin/getpub?nsf9978>.

V. PROPOSAL PREPARATION AND SUBMISSION INSTRUCTIONS

A. Proposal Preparation Instructions

Proposals submitted in response to this program announcement/solicitation should be prepared and submitted in accordance with the general guidelines contained in the NSF *Grant Proposal Guide* (GPG) (NSF 00-2). The complete text of the GPG (including electronic forms) is available electronically on the NSF Web Site at: <http://www.nsf.gov/pubs/2000/nsf002/start.htm>. Paper copies of the GPG may be obtained from the NSF Publications Clearinghouse, telephone (301) 947-2722 or by e-mail from pubs@nsf.gov.

A letter of intent to submit a proposal is requested (but not required) from all applicants, to assist NSF in plans for review. The letter of intent is not a preliminary proposal. It is a brief statement and should be received at NSF no later than June 16, 2000. Letters of intent must be sent by electronic mail to csems@nsf.gov.

Potential proposal authors for whom this is the first submittal to NSF's Division of Undergraduate Education may want to review *A Guide for Proposal Writing*, NSF 98-91, which may provide helpful guidance or advice. This document is available online via <http://www.nsf.gov/cgi-bin/getpub?nsf9891>.

Budget detail: No indirect costs are allowed. Allocations for scholarships should be indicated in Section F.1 Participant Support - "Stipends" of the budget form (NSF Form 1030). The 10% of funds above the scholarship amount must be included in the standard NSF budget categories in sections A-G of NSF Form 1030. Each line item cost should be discussed in the budget justification section of the proposal.

FastLane, NSF's System for conducting business over the Internet, must be used to prepare and submit proposals. Software that generates PDF files is needed to submit a proposal via FastLane. PIs who have not used FastLane before are asked to make sure that their institution is a registered FastLane institution and to contact this institution's Sponsored Research Office (which might also be known as the Office of Grants Administration, Office of Sponsored Research, Office of Research, etc.) to be added to the NSF PI database. All Co-PIs listed in the proposal must also be in the NSF PI database. *New FastLane users should acquaint themselves with the system as early as possible--well before the proposal deadline.*

Proposers are reminded to identify the program announcement/solicitation number (NSF 00-85) in the program announcement/solicitation block on the proposal Cover Sheet (NSF Form 1207). Compliance with this requirement is critical to determining the relevant proposal processing guidelines. Failure to submit this information may delay processing.

While filling out the cover sheet in FastLane, it is also important to choose "CSEMS--CS, ENG & MATH SCHOLAR" from the list of programs in the "NSF Unit Consideration" section. This choice must be specified in order to have access to the DUE Project Data Form (Form 1295), which is required for CSEMS proposals.

B. Budgetary Information

Cost Sharing is not required in proposals submitted under this Program Solicitation.

C. Deadline/Target Dates

Proposals submitted in response to this announcement must be submitted by 5:00 PM, local time on the following date: 8/3/00

D. FastLane Requirements

Proposers are required to prepare and submit all proposals for this Program Solicitation through the FastLane system. Detailed instructions for proposal preparation and submission via FastLane are available at <https://www.fastlane.nsf.gov/a1/newstan.htm>

Submission of Signed Cover Sheets. The signed copy of the proposal Cover Sheet (NSF Form 1207) must be postmarked (or contain a legible proof of mailing date assigned by the carrier) within five working days following proposal submission and be forwarded to the following address:

CSEMS Cover Sheets
Allied Technology Group, Inc.
4200 Forbes Blvd, Suite 106
Lanham, MD 20706

A proposal will not be processed until the complete proposal (including the signed Cover Sheet) has been received by NSF.

VI. PROPOSAL REVIEW INFORMATION

A. NSF Proposal Review Process

Reviews of proposals submitted to NSF are solicited from peers with expertise in the substantive area of the proposed research or education project. These reviewers are selected by Program Officers charged with the oversight of the review process. NSF invites the proposer to suggest at the time of submission, the names of appropriate or inappropriate reviewers. Care is taken to ensure that reviewers have no conflicts with the proposer. Special efforts are made to recruit reviewers from non-academic institutions, minority-serving institutions, or adjacent disciplines to that principally addressed in the proposal.

Proposals will be reviewed against the following general review criteria established by the National Science Board. Following each criterion are potential considerations that the reviewer may employ in the evaluation. These are suggestions and not all will apply to any given proposal. Each reviewer will be asked to address only those that are relevant to the proposal and for which he/she is qualified to make judgements.

What is the intellectual merit of the proposed activity?

How important is the proposed activity to advancing knowledge and understanding within its own field or across different fields? How well qualified is the proposer (individual or team) to conduct the project? (If appropriate, the reviewer will comment on the quality of the prior work.) To what extent does the proposed activity suggest and explore creative and original concepts? How well conceived and organized is the proposed activity? Is there sufficient access to resources?

What are the broader impacts of the proposed activity?

How well does the activity advance discovery and understanding while promoting teaching, training, and learning? How well does the proposed activity broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.)? To what extent will it enhance the infrastructure for research and education, such as

facilities, instrumentation, networks, and partnerships? Will the results be disseminated broadly to enhance scientific and technological understanding? What may be the benefits of the proposed activity to society?

Principal Investigators should address the following elements in their proposal to provide reviewers with the information necessary to respond fully to both of the above-described NSF merit review criteria. NSF staff will give these elements careful consideration in making funding decisions.

Integration of Research and Education

One of the principal strategies in support of NSF's goals is to foster integration of research and education through the programs, projects, and activities it supports at academic and research institutions. These institutions provide abundant opportunities where individuals may concurrently assume responsibilities as researchers, educators, and students and where all can engage in joint efforts that infuse education with the excitement of discovery and enrich research through the diversity of learning perspectives.

Integrating Diversity into NSF Programs, Projects, and Activities

Broadening opportunities and enabling the participation of all citizens - women and men, underrepresented minorities, and persons with disabilities - is essential to the health and vitality of science and engineering. NSF is committed to this principle of diversity and deems it central to the programs, projects, and activities it considers and supports.

Reviewers will be asked to consider the above two merit review criteria with emphasis placed on the CSEMS program components (see "Program Description"). Those elements include:

- Student-support infrastructure for the successful graduation of scholarship recipients,
- Management and administration plan that is effective and clearly articulated, and
- Educational program of high quality.

A summary rating and accompanying narrative will be completed and signed by each reviewer. In all cases, reviews are treated as confidential documents. Verbatim copies of reviews, excluding the names of the reviewers, are mailed to the Principal Investigator/Project Director by the Program Director. In addition, the proposer will receive an explanation of the decision to award or decline funding.

B. Review Protocol and Associated Customer Service Standard

All proposals are carefully reviewed by at least three other persons outside NSF who are experts in the particular field represented by the proposal. Proposals submitted in response to this announcement will be reviewed by Panel Review.

Reviewers will be asked to formulate a recommendation to either support or decline each proposal. The Program Officer assigned to manage the proposal's review will consider the advice of reviewers and will formulate a recommendation.

NSF will be able to tell applicants whether their proposals have been declined or recommended for funding within six months for 95 percent of proposals. The time interval begins on the proposal deadline or target date or from the date of receipt, if deadlines or target dates are not used by the program. The interval ends when the Division Director accepts the Program Officer's recommendation.

In all cases, after programmatic approval has been obtained, the proposals recommended for funding will be forwarded to the Division of Grants and Agreements for review of business, financial, and policy implications and the processing and issuance of a grant or other agreement. Proposers are cautioned that only a Grants and Agreements Officer may make commitments, obligations or awards on behalf of NSF or authorize the expenditure of funds. No commitment on the part of NSF should be inferred from technical or budgetary discussions with a NSF Program Officer. A Principal Investigator or organization that makes financial or personnel commitments in the

absence of a grant or cooperative agreement signed by the NSF Grants and Agreements Officer does so at its own risk.

VII. AWARD ADMINISTRATION INFORMATION

A. Notification of the Award

Notification of the award is made to *the submitting organization* by a Grants Officer in the Division of Grants and Agreements. Organizations whose proposals are declined will be advised as promptly as possible by the cognizant NSF Program Division administering the program. Verbatim copies of reviews, not including the identity of the reviewer, will be provided automatically to the Principal Investigator. (See section VI. A, for additional information on the review process.)

B. Award Conditions

An NSF award consists of: (1) the award letter, which includes any special provisions applicable to the award and any numbered amendments thereto; (2) the budget, which indicates the amounts, by categories of expense, on which NSF has based its support (or otherwise communicates any specific approvals or disapprovals of proposed expenditures); (3) the proposal referenced in the award letter; (4) the applicable award conditions, such as Grant General Conditions (NSF-GC-1)* or Federal Demonstration Partnership (FDP) Terms and Conditions * and (5) any NSF brochure, program guide, announcement or other NSF issuance that may be incorporated by reference in the award letter. Cooperative agreement awards also are administered in accordance with NSF Cooperative Agreement Terms and Conditions (CA-1). Electronic mail notification is the preferred way to transmit NSF awards to organizations that have electronic mail capabilities and have requested such notification from the Division of Grants and Agreements.

*These documents may be accessed electronically on NSF's web site at http://www.nsf.gov/home/grants/grants_gac.htm. Paper copies may be obtained from the NSF Publications Clearinghouse, telephone (301) 947-2722 or by e-mail from pubs@nsf.gov.

More comprehensive information on NSF Award Conditions is contained in the NSF *Grant Policy Manual* (GPM) Chapter II, (NSF 95-26) available electronically on the NSF web site at <http://www.nsf.gov/cgi-bin/getpub?gpm>. The GPM is also for sale through the Superintendent of Documents, Government Printing Office (GPO), Washington, DC 20402. The telephone number at GPO for subscription information is (202) 512-1800. The GPM may be ordered through the GPO web site at <http://www.gpo.gov>.

C. Reporting Requirements

For all multi-year grants (including both standard and continuing grants), the PI must submit an annual project report to the cognizant Program Officer at least 90 days before the end of the current budget period.

As part of the reporting responsibility, the PI is expected to provide the Foundation (Program Officer) with an accurate list of all scholarship recipients and their demographic characteristics within 30 days of the beginning of each semester/quarter, as well as to ensure that appropriate documentation (e.g., verification of eligibility, educational progress) on the scholarship recipients is maintained throughout the life of the program.

Within 90 days after the expiration of an award, the PI also is required to submit a final project report. Approximately 30 days before expiration, NSF will send a notice to remind the PI of the requirement to file the final project report. Failure to provide final technical reports delays NSF review and processing of pending proposals for that PI. PIs should examine the formats of the required reports in advance to assure availability of required data.

NSF has implemented an electronic project reporting system, available through FastLane. This system permits electronic submission and updating of project reports, including information on: project participants (individual and organizational); activities and findings; publications; and other specific products and contributions. PIs will not be required to re-enter information previously provided, either with a proposal or in earlier updates using the electronic system.

VIII. CONTACTS FOR ADDITIONAL INFORMATION

General inquiries should be made to the NSF Computer Science, Engineering, and Mathematics Scholarships Program: Marilyn Suiter, Lead Program Officer, Division of Undergraduate Education, Room 835, telephone: (703) 306-1625 x6812, e-mail: msuiter@nsf.gov.

For questions related to the use of FastLane, contact:

- FastLane Help Desk, telephone: (703) 306-1142, e-mail: fastlane@nsf.gov.
- Romona Truesdale, Computer Specialist, Division of Undergraduate Education, Room 835, telephone: (703) 306-1665 x5889, e-mail: duefl@nsf.gov.
- Mark Claire, Science Education Analyst, Division of Undergraduate Education, Room 835, telephone: (703) 306-1665 x5873, e-mail: mclaire@nsf.gov.

IX. OTHER PROGRAMS OF INTEREST

The NSF Guide to Programs is a compilation of funding for research and education in science, mathematics, and engineering. The NSF Guide to Programs is available electronically at <http://www.nsf.gov/cgi-bin/getpub?gp>. General descriptions of NSF programs, research areas, and eligibility information for proposal submission are provided in each chapter.

Many NSF programs offer announcements or solicitations concerning specific proposal requirements. To obtain additional information about these requirements, contact the appropriate NSF program offices listed in Appendix A of the GPG. Any changes in NSF's fiscal year programs occurring after press time for the Guide to Programs will be announced in the NSF E-Bulletin, which is updated daily on the NSF web site at <http://www.nsf.gov/home/ebulletin>, and in individual program announcements/solicitations. Subscribers can also sign up for NSF's Custom News Service (<http://www.nsf.gov/home/cns/start.htm>) to be notified of new funding opportunities that become available.

The following programs might also be of interest:

- EHR/DUE - Advanced Technological Education (ATE) ([NSF 00-62](#))
- EHR/DUE - Course, Curriculum, and Laboratory Improvement (CCLI) ([NSF 00-63](#))
- EHR/DUE - National Science, Mathematics, Engineering, and Technology Education Digital Library (NSDL) ([NSF 00-44](#))
- EHR/DGE - NSF Graduate Teaching Fellows in K-12 Education (GK-12) ([NSF 00-46](#))
- EHR/HRD - Louis Stokes Alliances for Minority Participation (AMP) ([NSF 98-19](#))
- EHR/HRD - Historically Black Colleges and Universities - Undergraduate Program (HBCU-UP) ([NSF 99-73](#))
- EHR/HRD - Activities in Science, Engineering, and Mathematics for Persons with Disabilities ([NSF 00-69](#))
- EHR/HRD - Program for Gender Equity in Science, Mathematics, Engineering, and Technology ([NSF 99-25](#))
- CISE/EI - Educational Innovation Program ([NSF 00-33](#))
- CISE/EIA - Minority Institutions Infrastructure Program ([NSF 96-15](#))
- ENG & CISE - Combined Research-Curriculum Development (CRCD) ([NSF 00-66](#))
- ENG/EEC - The Action Agenda for Systemic Engineering Education Reform ([NSF 99-169](#))
- GEO - Geoscience Education ([NSF 00-38](#))
- MPS/DMS - Vertical Integration of Research and Education in Mathematical Sciences (VIGRE) ([NSF 97-155](#))
- NSF-wide - Research Experiences for Undergraduates (REU) ([NSF 96-102](#))

ABOUT THE NATIONAL SCIENCE FOUNDATION

The National Science Foundation (NSF) funds research and education in most fields of science and engineering. Awardees are wholly responsible for conducting their project activities and preparing the results for publication. Thus, the Foundation does not assume responsibility for such findings or their interpretation.

NSF welcomes proposals from all qualified scientists, engineers and educators. The Foundation strongly encourages women, minorities and persons with disabilities to compete fully in its programs. In accordance with Federal statutes, regulations and NSF policies, no person on grounds of race, color, age, sex, national origin or disability shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving financial assistance from NSF (unless otherwise specified in the eligibility requirements for a particular program).

Facilitation Awards for Scientists and Engineers with Disabilities (FASSED) provide funding for special assistance or equipment to enable persons with disabilities (investigators and other staff, including student research assistants) to work on NSF-supported projects. See the program announcement/solicitation or contact the program coordinator at (703) 306-1636.

The National Science Foundation has Telephonic Device for the Deaf (TDD) and Federal Information Relay Service (FIRS) capabilities that enable individuals with hearing impairments to communicate with the Foundation about NSF programs, employment or general information. TDD may be accessed at (703) 306-0090, FIRS at 1-800-877-8339.

The National Science Foundation is committed to making all of the information we publish easy to understand. If you have a suggestion about how to improve the clarity of this document or other NSF-published materials, please contact us at plainlanguage@nsf.gov.

PRIVACY ACT AND PUBLIC BURDEN STATEMENTS

The information requested on proposal forms and project reports is solicited under the authority of the National Science Foundation Act of 1950, as amended. The information on proposal forms will be used in connection with the selection of qualified proposals; project reports submitted by awardees will be used for program evaluation and reporting within the Executive Branch and to Congress. The information requested may be disclosed to qualified reviewers and staff assistants as part of the proposal review process; to applicant institutions/grantees to provide or obtain data regarding the proposal review process, award decisions, or the administration of awards; to government contractors, experts, volunteers and researchers and educators as necessary to complete assigned work; to other government agencies needing information as part of the review process or in order to coordinate programs; and to another Federal agency, court or party in a court or Federal administrative proceeding if the government is a party. Information about Principal Investigators may be added to the Reviewer file and used to select potential candidates to serve as peer reviewers or advisory committee members. See Systems of Records, NSF-50, "Principal Investigator/Proposal File and Associated Records," 63 Federal Register 267 (January 5, 1998), and NSF-51, "Reviewer/Proposal File and Associated Records," 63 Federal Register 268 (January 5, 1998). Submission of the information is voluntary. Failure to provide full and complete information, however, may reduce the possibility of receiving an award.

Pursuant to 5 CFR 1320.5(b), an agency may not conduct or sponsor, and a person is not required to respond to an information collection unless it displays a valid OMB control number. The OMB control number for this collection is 3145-0058. Public reporting burden for this collection of information is estimated to average 120 hours per response, including the time for reviewing instructions. Send comments regarding this burden estimate and any other aspect of this collection of information, including suggestions for reducing this burden, to: Suzanne Plimpton, Reports Clearance Officer, Information Dissemination Branch, Division of Administrative Services, National Science Foundation, Arlington, VA 22230, or to Office of Information and Regulatory Affairs of OMB, Attention: Desk Officer for National Science Foundation (3145-0058), 725 - 17th Street, N.W. Room 10235, Washington, D.C. 20503.

OMB control number: 3145-0058

**NSF 00-85
Electronic Dissemination Only**