

Grant Opportunities

March 2016

In an effort to better inform faculty and staff about grant opportunities, this report will be updated monthly providing a high-level glimpse at funding possibilities for which projects could be developed that are consistent with BCTC's strategic plan and annual priorities.

Federal Grants

Title: [Environmental Education Training Program](#)

Sponsor: Environmental Protection Agency

Due Date: May 9, 2016

Maximum Funding Amount and Duration: Approximately \$11M over 5 years.

Special Notes: Only one institution of higher education, non-profit, or consortium of such institutions will be funded. Applicants must provide non-Federal matching funds or in-kind contributions of at least 25% of the total project cost.

Description: The purpose of the Environmental Education Training Program is to deliver environmental education training and long-term support to education professionals across the U.S. in the development and delivery of environmental education and training programs and studies. Environmental Education (EE) is defined in the National Environmental Education Act (1990) as: "educational activities and training activities involving elementary, secondary, and postsecondary students, as such terms are defined in the State in which they reside, and environmental education personnel, but does not include technical training activities directed toward environmental management professionals or activities primarily directed toward the support of non-educational research and development." The Act also states that "The Office of Environmental Education shall...support development and the widest possible dissemination of model curricula, educational materials, and training programs for elementary and secondary students and other interested groups, including senior Americans."

Title: [Scholarships in Science, Technology, Engineering, and Mathematics \(S-STEM\)](#)

Sponsor: National Science Foundation

Due Date: May 16, 2016

Maximum Funding Amount and Duration: \$650K over 5 years to \$5M over 5 years depending on the funding category for which one is applying.

Special Notes: Available again in April of 2017. BCTC will likely pursue this opportunity.

Description: The S-STEM program particularly encourages proposals from 2-year institutions and supports:

- Scholarships for academically talented, financially needy, full-time STEM students; and
- The implementation and testing of activities that support recruitment, retention, transfer, student success, academic/career pathways, and graduation in STEM.

Example activities include:

- Recruitment of students to higher education programs and careers in the S-STEM disciplines;
- Curricular activities such as the inclusion of active learning in gateway courses;
- Support and mentoring of students by peers and other professionals;
- Academic support services such as tutoring, study-groups, or supplemental instruction programs;
- Industry experiences, internship opportunities, and research opportunities;
- Community building and support among S-STEM scholars within the institution;

- Participation in local or regional professional, industrial, or scientific meetings and conferences; and
 - Career counseling and job placement services for S-STEM scholars.
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Title: [Broadening Participation in Engineering](#)

Sponsor: National Science Foundation

Due Date: June 16, 2016 (referred to as “Target Date” in solicitation)

Maximum Funding Amount and Duration: Not specified

Special Notes: It is strongly recommended that full proposals be submitted prior to the Full Proposal Target Date to enable full consideration of the proposed project for the related fiscal year’s funding.

Description: The Broadening Participation in Engineering (BPE) Program is a Directorate-wide initiative dedicated to supporting the development of a diverse and well-prepared engineering workforce. Across every educational juncture (e.g., elementary, secondary, and postsecondary levels), efforts to improve engineering interests, preparation, connections, experiences, and opportunities among underrepresented groups is of major importance to BPE. BPE is interested in funding projects that bring together multiple groups (e.g., school districts, community colleges, engineering schools, industry, philanthropy, government, etc.) and offer the greatest return on investment by producing outcomes that are scalable, sustainable, and applicable to various contexts, settings, and demographics within the engineering enterprise.

Title: [Faculty Early Career Development Program](#)

Sponsor: National Science Foundation

Due Date: July 20, 2016 (BIO, CISE, EHR), July 21, 2016 (ENG), July 22, 2016 (GEO, MPS, SBE)

Maximum Funding Amount and Duration: Maximum funding amount is not specified. Minimum funding amount is \$400K over 5 years for most categories (\$500K over 5 years for Bio and ENG projects).

Special Notes: There are strict eligibility requirements regarding faculty status for these grants. Interested faculty should review these carefully prior to proceeding with proposal development.

Description: The Faculty Early Career Development Program (CAREER) helps junior faculty develop careers as outstanding researchers and educators who effectively integrate teaching, learning and discovery. This is a prestigious and competitive program—applicants are expected to propose plans which integrate research and education. Education activities may be directed to any level: K-12 students, undergraduates, graduate students, and/or the general public, but should be related to the proposed research. Examples include:

- Designing innovative courses or curricula
 - Supporting teacher preparation and enhancement
 - Conducting outreach and mentoring activities to enhance scientific literacy or involve students from groups that have been traditionally underrepresented in science
 - Researching students' learning and conceptual development in the discipline
 - Incorporating research activities into undergraduate courses
 - Providing mentored international research experiences for U.S. students
 - Linking education activities to industrial, international, or cross-disciplinary work
 - Implementing innovative methods for evaluation and assessment
 - Designing or adapting and implementing effective educational materials and practices
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Title: [Conferences and Workshops in the Mathematical Sciences](#)

Sponsor: National Science Foundation

Due Date: Proposals accepted anytime

Maximum Funding Amount and Duration: May request any amount for up to three years.

Description: Conferences, workshops, and related events (including seasonal schools and international travel by groups) support research and training activities for the mathematical sciences community.

Proposals for conferences, workshops, or conference-like activities may request funding of any amount and for durations of up to three years. Proposals under this solicitation must be submitted to the appropriate DMS programs in accordance with the lead-time requirements specified on the program web page.

Non-Federal Grants

Title: [Learning and Leadership Grants](#)

Sponsor: NEA Foundation

Due Date: June 1, 2016

Maximum Funding Amount and Duration: \$2,000 for individuals; \$5,000 for groups. Funds must be spent within 12 months of notification.

Special Notes: These grants are ongoing, with three submission deadlines annually.

Description: NEA Learning and Leadership Grants support public school teachers, public education support professionals, and/or **faculty and staff (excludes Administrators) in public institutions of higher education** for one of the following two purposes:

- Grants to individuals fund participation in high-quality professional development experiences, such as summer institutes, conferences, or action research.
- Grants to groups fund collegial study, including study groups, action research, lesson plan development, or mentoring experiences for faculty or staff.

All professional development must improve practice, curriculum, and student achievement. "One-shot" professional growth experiences, such as attending a national conference or engaging a professional speaker, are discouraged. Decisions regarding the content of the professional growth activities must be based upon an assessment of student work undertaken with colleagues, and must be integrated into the institutional planning process. Grant funds may be used for fees, travel expenses, books, or other materials that enable applicants to learn subject matter, instructional approaches, and skills. Grant funds may not be used to pursue degrees, pay indirect costs or salaries, or **to support travel costs of more than one person.**

If you have questions or would like more information about a grant opportunity, contact Alan Lawson at 859-246-6626 or alan.lawson@kctcs.edu.