Grant Opportunities
September 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: Research Experiences for Teachers in Engineering and Computer Science
Sponsor: National Science Foundation
Due Date: November 1, 2016
Maximum Funding Amount and Duration: Up to $600K over 3 years.
Special Notes: The probability of funding under this program is greatly increased for community colleges when they partner with a four-year institution. The Principal Investigator (PI) must have a full-time, tenured or tenure-track faculty appointment within a College/Department of Engineering or Engineering Technology or a College/Department of Computer and/or Information Science.
Description: The Research Experiences for Teachers in Engineering and Computer Science program supports projects to allow community college faculty and K-12 STEM teachers to participate in university-based summer research and follow-up activities throughout the academic year. The program's goal is to enable participants to apply the research experience and new knowledge gained into their classroom activities. Partnerships with inner city, rural, or other high needs schools are especially encouraged. Projects include a component for university undergraduate/graduate students to help pre-college/community college faculty teach engineering/computer science concepts during the academic year.

Title: Advancing Informal STEM Learning (AISL)
Sponsor: National Science Foundation
Due Date: November 8, 2016
Maximum Funding Amount and Duration: $150K to $5M over 1 to 5 years, depending on project type.
Special Notes: Projects must involve collaboration with at least one researcher and one informal STEM practitioner.
Description: The AISL program funds projects that enhance informal STEM learning for public and professional audiences and furthers our knowledge of such learning. The program is especially interested in understanding issues of access for individuals/populations typically underrepresented in STEM, people in rural and urban communities, adults across the lifespan, early childhood, and intergenerational and family groups. Types of projects supported include:

- Collaborative Planning
- Research in Service to Practice
- Broad Implementation
- Informal STEM Learning Resource Center
- Exploratory Pathways
- Innovations in Development
- Conferences

Title: Nursing Workforce Diversity (NWD) Program
Sponsor: Department of Health and Human Services
Due Date: November 14, 2016
Maximum Funding Amount and Duration: $500K over 4 years.
Special Notes: Solicitation/RFP contains specific guidelines on what they consider a disadvantaged background.

Description: The Nursing Workforce Diversity program seeks to increase the retention of nursing students from disadvantaged backgrounds through the use of evidence-based approaches (e.g., various combinations of academic and peer support, mentoring, institutional and community partnerships, and/or student financial support). There is a funding preference for projects that will 1) substantially benefit rural or underserved populations, or 2) help meet public health nursing needs in state or local health departments.

Title: [CyberCorps Scholarship for Service Defending America's Cyberspace – Capacity Track](#)
Sponsor: National Science Foundation
Due Date: December 15, 2016
Maximum Funding Amount and Duration: Up to $500K over 3 years.
Special Notes: Proposals may be submitted between December 1 and December 15, 2016. This opportunity is for the Capacity Building track only.
Description: The CyberCorps Scholarships for Service program provides funds to institutions of higher education (IHE) for scholarships and capacity building activities to support cybersecurity education and workforce development. Applicants should propose to increase the ability of IHEs to produce cybersecurity professionals. Proposals should contribute to the expansion of existing educational opportunities and resources in cybersecurity, including but not limited to:

- Conducting research on the teaching and learning of cybersecurity, including research on materials, methods, and small-scale interventions.
- Establishing curricula recommendations for new courses, degree programs, and educational pathways with plans for wide adoption nationally.
- Evaluating teaching and learning effectiveness of cybersecurity curricular programs and courses.
- Integrating cybersecurity topics into computer science, data science, information technology, engineering and other existing degree programs with plans for pervasive adoption.
- Developing virtual laboratories to promote collaboration and resource sharing in cybersecurity education.
- Strengthening partnerships between institutions of higher education, government, and relevant employment sectors leading to improved models for the integration of applied research experiences into cybersecurity degree programs.
- Evaluating the effectiveness of cybersecurity competitions, games, and other outreach and retention activities.
- Integrating data science into cybersecurity curriculum.

Title: [Digital Humanities Advancement Grants](#)
Sponsor: National Endowment for the Humanities
Due Date: January 11, 2017 (drafts may be submitted 4-6 weeks before this deadline)
Maximum Funding Amount and Duration: $5K to $325K over 18 months to 3 years depending on desired funding level.
Description: The Digital Humanities Advancement Grants program supports digital projects to enhance research, teaching, and public programming in the humanities. Three funding levels are offered depending on the phase of the project (exploratory, proof of concept, implementation). Allowable grant activities include:

- Creating or enhancing experimental, computationally-based methods or techniques that contribute to the humanities.
- Pursuing scholarship that examines the history, criticism, and philosophy of digital culture and its impact on society, or explores the philosophical or practical implications and impact of digital humanities in specific fields or disciplines.

- Revitalizing and/or recovering existing digital projects that promise to contribute substantively to scholarship, teaching, or public knowledge of the humanities.

Grant funds cannot be used for:

- Projects that mainly involve digitization, unless the applicant is proposing an innovative method for digitization.
- The creation or conversion of a scholarly journal (although the implementation of new modes of scholarly publication is permitted).
- Recurring maintenance costs that would support only the day-to-day operations of existing projects rather than substantive changes or upgrades.
- Recurring or established conferences or professional meetings.
- Acquisition of computer equipment or software in excess of 20 percent of the grant total.
- Work in the creative or performing arts.
- Work undertaken in the pursuit of an academic degree.
- Projects that seek to promote a particular political, religious, or ideological point of view.
- Projects that advocate a particular program of social action.

Non-Federal Grants

Title: Learning and Leadership Grants
Sponsor: NEA Foundation
Due Date: October 15, 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.