

Summary of National Science Foundation (NSF) Programs Typically of Interest to Rowan Faculty

Faculty Early Career Development (CAREER) Program: This program is a Foundation-wide activity that offers the NSF's most prestigious awards in support of the career-development activities of those teacher-scholars who most effectively integrate research and education within the context of the mission of their organization. Such activities should build a firm foundation for a lifetime of integrated contributions to research and education. NSF encourages submission of CAREER proposals from **junior faculty** members and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply.

Proposers must meet all of the following **eligibility requirements**:

- By the Directorate's July deadline:
 - hold a doctoral degree in a field of science or engineering supported by NSF;
 - be untenured;
 - have not previously received an NSF PECASE or CAREER award; and
- by October 1st following the July deadline for submission of CAREER proposals:
 - be employed in a tenure-track position (or tenure-track-equivalent position) as an assistant professor (or equivalent title) at an institution in the U.S., that awards degrees in a field supported by NSF;
- Proposers may submit only one CAREER proposal per annual competition, and may not participate in more than three CAREER competitions.

FY 2007 Deadlines:	7/17/07	BIO, CISE, EHR
	7/18/07	ENG
	7/19/07	GEO, MPS, SBE, OPP

Full Program Announcement: [05-579](#) [Frequently Asked Questions](#)

Major Research Instrumentation (MRI) Program: This program is designed to increase access to scientific and engineering equipment for research and research training in our Nation's organizations of higher education, research museums and non-profit research organizations. This program seeks to improve the quality and expand the scope of research and research training in science and engineering, and to foster the integration of research and education by providing **instrumentation** for research-intensive learning environments. The MRI program encourages the development and acquisition of research instrumentation for shared inter-and/or intra-organizational use and in concert with private sector partners.

The MRI program assists in the acquisition or development of major research instrumentation by organizations that is, in general, too costly for support through other NSF programs. Proposals

may be for a single instrument, a large system of instruments, or multiple instruments that share a common or specific research focus.

FY 2008 Deadline: 1/24/08

Full Program Announcement: [07-510](#)

Please note: There is a limit to the number of proposals permitted by Rowan. If you are interested in submitting, please review the [University's policy on multiple submissions](#) and contact the Office of Government Grants at least 30 days prior to the due date.

Instrumentation for Materials Research (IMR) Program: The IMR Program supports the acquisition and/or development of research instruments that will provide new capability and/or advance current capability to: (1) discover fundamental phenomena in materials; (2) synthesize, process, and/or characterize the composition, structure, properties, and performance of materials; and (3) improve the quality, expand the scope, and foster and enable the integration of research and education in research-intensive environments.

FY 2007 Deadline: Currently not accepting proposals

Full Program Announcement: None

Course, Curriculum, and Laboratory Improvement (CCLI): This program seeks to improve the quality of science, technology, engineering, and mathematics (STEM) education for all undergraduate students. Based on a cyclic model of knowledge production and improvement of practice, CCLI supports efforts that conduct research on STEM teaching and learning, create new learning materials and teaching strategies, develop faculty expertise, implement educational innovations, assess learning, and evaluate innovations. The program supports three types of projects representing three different phases of development, ranging from small exploratory investigations to comprehensive projects.

FY 2008 Deadline: 01/10/08 **Phase II & III : Exploratory Projects**

Full Announcement: [07-543](#)

Research in Undergraduate Institutions (RUI): This program supports research by faculty members of predominantly undergraduate institutions through the funding of (1) individual and collaborative research projects, (2) the purchase of shared-use research instrumentation, and (3) Research Opportunity Awards for work with NSF-supported investigators at other institutions. All NSF directorates participate in the RUI activity. RUI proposals are evaluated and funded by the NSF programs in the disciplinary areas of the proposed research. A Research Opportunity

Award is usually funded as a supplement to the NSF grant of the host researcher, and the application is submitted by the host institution.

2007 Deadline: **Varies depending upon the program**
To confirm a date, refer to the program's page on the [NSF website](#)

Full Announcement: **[00-144](#)**

Engineering Education Programs (EEP): These programs support research that contributes to our basic understanding of how students learn engineering. NSF is looking for significant breakthroughs in understanding so that undergraduate and graduate engineering education can be transformed to meet the needs of the changing economy and society. NSF is interested in research addresses: the aims and objectives of engineering education, the content and organization of the curriculum, how students learn problem solving, creativity and design, new methods for assessment and evaluation of how students learn engineering, and research helps understanding of how to attract a more talented and diverse student body to all levels of engineering study. It is expected that successful proposals will most likely be comprised of multidisciplinary teams of engineers and other fields that bring expertise pertinent to learning research.

2008 Deadline: **8/15/07**

Additional Information: **[PD- 1340](#)**

Science, Technology, Engineering, and Mathematics Talent Expansion Program (STEP): STEP seeks to increase the number of students (U.S. citizens or permanent residents) receiving associate or baccalaureate degrees in established or emerging fields within science, technology, engineering, and mathematics (STEM). Type 1 proposals are solicited that provide for full implementation efforts at academic institutions. Type 2 proposals are solicited that support educational research projects on associate or baccalaureate degree attainment in STEM.

2008 Deadline: **Letters of intent due by 8/7/07**

Full proposals due by 9/18/07

Full Announcement: **[07-570](#)**

Please note: There is a limit to the number of proposals permitted by Rowan. If you are interested in submitting, please review the [University's policy on multiple submissions](#) and contact the Office of Government Grants at least 30 days prior to the due date.