Minority Science and Engineering Improvement Program

Applying for MSEIP in FY 2011

Pre-Application Webinar: July 27-28, 2011

Presented by:
Dr. Bernadette M. Hence
U. S. Department of Education
Washington, DC 20006
Minority Science and Engineering Improvement Program

Dr. Bernadette M. Hence
Program Manager,
Minority Science and Engineering Improvement Program

U.S. Department of Education
Office of Postsecondary Education
Higher Education Programs
Institutional Service
GOAL:
Ensure that you understand the MSEIP grant opportunity

...so that you can prepare a better application

TO PROVIDE
- Information
- Technical Assistance
- Guidance
Minority Science and Engineering Improvement Program

FY 2011 Competition Highlights
Minority Science and Engineering Improvement Program

Competition Highlights

- Program Authorization, Purpose, and Supported Activities
- Eligibility Requirements
- Key Definitions
- Competitive Preference Priorities
- Invitational Priorities
- Timeline and Estimated Program Impact
- Impact on the President’s National Priority for STEM
Minority Science and Engineering Improvement Program

Authorized under **Higher Education Act of 1965**, as amended

Section 350
Minority Science and Engineering Improvement Program

Commonly referred to as:

Title III, Part E
Minority Science and Engineering Improvement Program

PURPOSE

• To effect **long range improvements** in the science and engineering education programs of predominantly minority institutions.

• To **increase the participation** of underrepresented ethnic minorities, particularly minority women, into science and technological careers.
Minority Science and Engineering Improvement Program

What this grant supports:

Pre-college programs – K-12 (students and teachers)
College Programs (STEM)
Faculty Development (STEM)
Curriculum Development (STEM fields)
Renovation of STEM labs/classrooms

Student research in STEM fields
Stipends for eligible participants
Minority Science and Engineering Improvement Program

What this grant **DOES NOT** support:

- Scholarships for students
- Construction projects
Minority Science and Engineering Improvement Program

ELIGIBILITY REQUIREMENTS
Minority Science and Engineering Improvement Program

Eligibility: 4-YR Public or private nonprofit institutions of higher education that:

1. Award baccalaureate degrees
2. Minority enrollments that exceed 50 percent of the total enrollment

(2 qualifiers)
Eligibility:
(3 qualifiers)

2-YR Public or private nonprofit institutions of higher education that:

1. Award associate degrees

2. Are minority institutions with science or engineering subjects
Minority Science and Engineering Improvement Program

Eligibility: 2-YR Public or private nonprofit institutions of higher education that:

3. Enter into a *partnership with any* public or nonprofit institutions of higher education that award baccalaureate degrees in science or engineering.
Minority Science and Engineering Improvement Program

Key Definitions
Definitions that Apply to MSEIP

- **Minority** - American Indian, Alaskan Native, Black (not of Hispanic origin), Hispanic (including persons of Mexican, Puerto Rican, Cuban, and Central or South American origin), Pacific Islander or other ethnic groups underrepresented in science and engineering.

- **Minority institution** – an accredited college or university whose enrollment of a single minority group or a combination of minority groups exceed fifty percent of the total enrollment.
Definitions that Apply to MSEIP

- **Science**-
  for the purpose of this program, the biological, engineering, mathematical, physical, behavioral, and social sciences, and history and philosophy of science; also included are interdisciplinary fields which are comprised of overlapping areas among two or more sciences.
Minority Science and Engineering Improvement Program

Competitive Preference Priorities
Important Requirement:

Applicants must meet all program requirements, including those provisions requiring a focus on science and engineering education in grants funded under this program.
Increasing Postsecondary Success

Projects that are designed to address the following priority area:

Increasing the number and proportion of high-need students who persist in and complete college or other postsecondary education and training.
Projects that are designed to collect (or obtain), analyze, and use high-quality and timely data, including data on program participant outcomes, in accordance with privacy requirements (as defined in the Closing Date Notice), in the following priority area:

Improving postsecondary student outcomes relating to enrollment, persistence, and completion and leading to career success.
We will award an **additional five (5) points** to an *applicant that has not received a MSEIP grant within **five years prior to this competition**:  

* Applicant refers to the institution 
Minority Science and Engineering Improvement Program

Invitational Priorities
We do not give an application that meets these invitational priorities a competitive or absolute preference over other applications.
Invitational Priority 1

Applications that focus on preparing K-12 students to enter into postsecondary programs in science, technology, engineering, or mathematics (STEM) fields; or applications that develop articulation agreements that facilitate students entering into postsecondary STEM fields.
Invitational Priority 2

Applications that focus directly on student learning and encourage and facilitate the implementation of effective pedagogical approaches that increase student retention and achievement in STEM fields.
Invitational Priority 3

Applications that focus on mentoring programs designed to increase the number of underrepresented students who graduate with STEM undergraduate or graduate degrees.
Minority Science and Engineering Improvement Program

Timeline and Estimated Program Impact
# Critical Benchmarks and Dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Application Webinars</td>
<td>7/27/11 – 7/28/11</td>
</tr>
<tr>
<td>Applications Available</td>
<td>By the end of next week (8/5/11)</td>
</tr>
<tr>
<td>(Estimated)</td>
<td></td>
</tr>
<tr>
<td>Closing Date for Receipt of Applications</td>
<td>~ 30 days from availability of the applications</td>
</tr>
<tr>
<td>Performance Period Begins</td>
<td>10/1/11</td>
</tr>
</tbody>
</table>
### Critical Information

<table>
<thead>
<tr>
<th>Institutional Projects</th>
<th>$250,000 per single budget period of 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1 - $250,000 max</td>
<td></td>
</tr>
<tr>
<td>Year 2 - $250,000 max</td>
<td></td>
</tr>
<tr>
<td>Year 3 - $250,000 max</td>
<td></td>
</tr>
<tr>
<td>$750,000 maximum</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special Projects</th>
<th>$250,000 per single budget period of 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Same as above $750,000 maximum</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cooperative Projects</th>
<th>$300,000 per single budget period of 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1 - $300,000 max</td>
<td></td>
</tr>
<tr>
<td>Year 2 - $300,000 max</td>
<td></td>
</tr>
<tr>
<td>Year 3 - $300,000 max</td>
<td></td>
</tr>
<tr>
<td>$900,000 maximum</td>
<td></td>
</tr>
</tbody>
</table>
## Minority Science and Engineering Improvement Program

### Estimated Impact

<table>
<thead>
<tr>
<th></th>
<th>FY 2010</th>
<th>FY 2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Estimated number of NEW awards:</strong></td>
<td>22</td>
<td>13-15</td>
</tr>
<tr>
<td><strong>Average Award Size:</strong></td>
<td>$172,841/year (for 3 years)</td>
<td>$225,000/year (for 3 years)</td>
</tr>
<tr>
<td><strong>Appropriation</strong></td>
<td>$9,503,000</td>
<td>$9,483,994</td>
</tr>
</tbody>
</table>

For FY 2011... $3,035,168 available for new awards
$6,448,826 used for FY 2009 & FY 2010 grants
Impact on the President’s National Priority for STEM
Minority Science and Engineering Improvement Program

Supports President Obama’s three overarching priorities for (STEM) education:

1. Increasing STEM literacy so all students can think critically in science, technology, engineering, and math;

2. Improving the quality of math and science teaching so American students are no longer outperformed by students in other nations; and

3. Expanding STEM education and career opportunities for underrepresented groups, including women and minorities.

…and supports the Secretary of Education’s project activities in areas of greatest educational need
Email Questions: bernadette.hence@ed.gov or call (202) 219-7038