



# Minority Science and Engineering Improvement Program

*Working for America*

## Applying for MSEIP in FY 2011

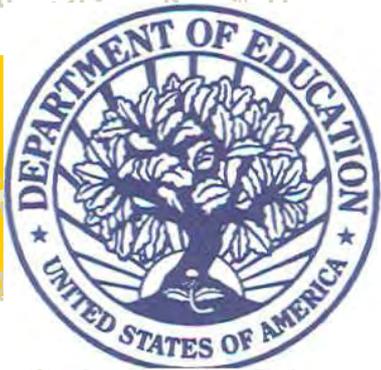
Pre-Application Webinar: July 27-28, 2011

Presented by:

Dr. Bernadette M. Hence

U. S. Department of Education

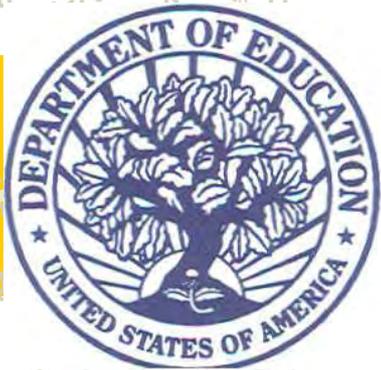
Washington, DC 20006



# 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**



# Minority Science and Engineering Improvement Program

## **GOAL:**

**Ensure that you understand the MSEIP grant opportunity**

## **TO PROVIDE**

- ✓ Information
- ✓ Technical Assistance
- ✓ Guidance

*...so that you can prepare a better application*

# 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:*

**Student research  
in STEM fields**

**Stipends  
for eligible  
participants**

**Pre-college programs – K-12**  
*(students and teachers)*

**College Programs (STEM)**

**Faculty Development (STEM)**

**Curriculum Development  
(STEM fields)**

**Renovation of STEM  
labs/classrooms**



# 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:

(2 qualifiers)

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

AND

# Minority Science and Engineering Improvement Program

**Eligibility:**  
(3 qualifiers)

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

1. Award associate degrees

AND

2. Are minority institutions with science *or* engineering subjects

AND

# Minority Science and Engineering Improvement Program

**Eligibility:**  
(3 qualifiers)

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

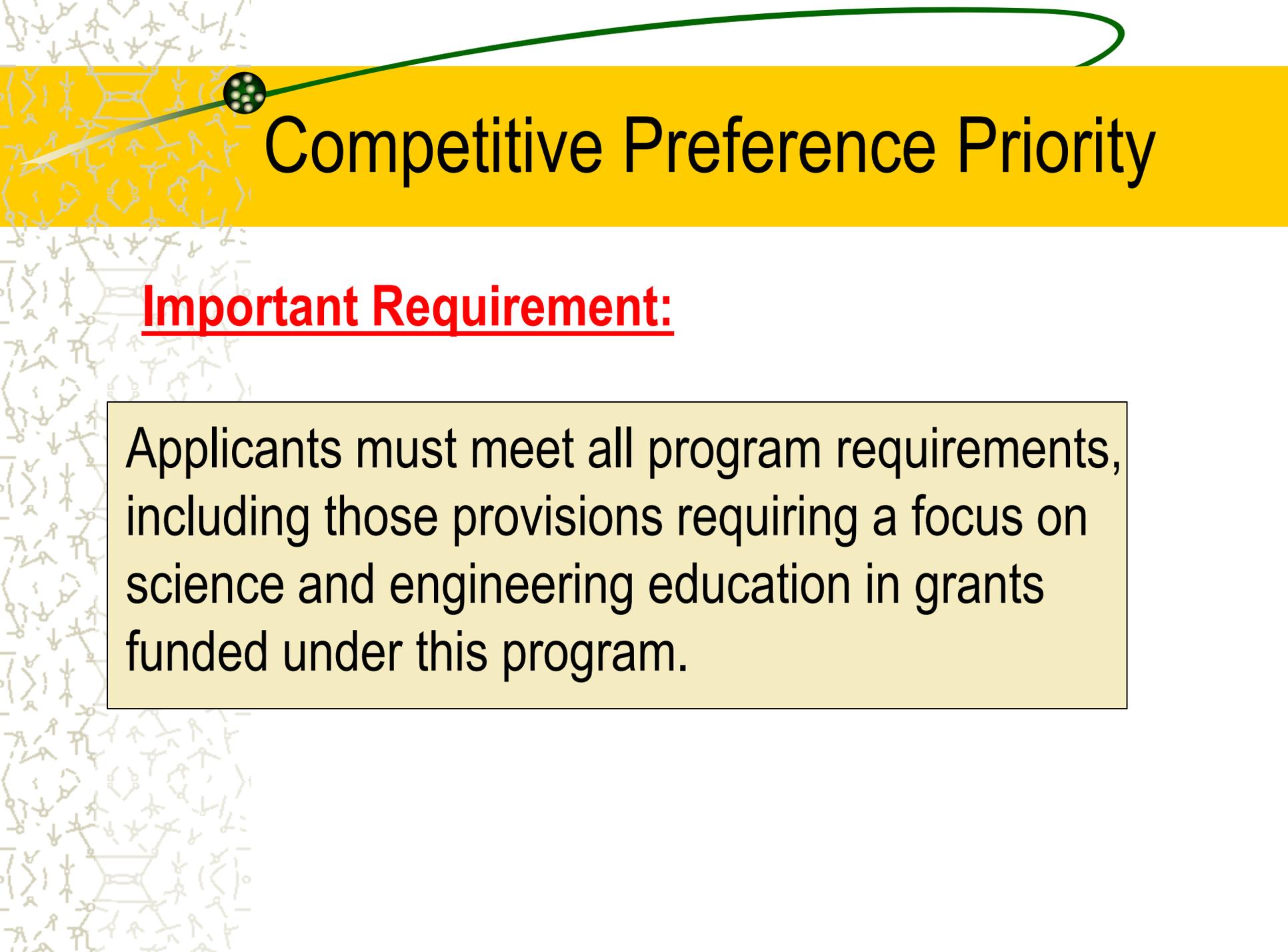
## ❖ Science-

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



# Competitive Preference Priority

## 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.

# Competitive Preference Priority 1

2.5 points

## 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.

# Competitive Preference Priority 2

**2.5 points**

## **Enabling More Data-Based Decision-Making**

- ✦ *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.**

# Competitive Preference Priority

✦ 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**

**\*\* (FY 2006, FY 2007, FY 2008, FY 2009, FY 2010)**

# Minority Science and Engineering Improvement Program

## Invitational Priorities



# 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

# Minority Science and Engineering Improvement Program

## Critical Benchmarks and Dates

Pre-Application Webinars	7/27/11 – 7/28/11
Applications Available (Estimated)	By the end of next week (8/5/11)
Closing Date for Receipt of Applications	~ 30 days from availability of the applications
Performance Period Begins	10/1/11



# Minority Science and Engineering Improvement Program

## Critical Information

### Institutional Projects

Year 1 - \$250,000 max

Year 2 - \$250,000 max

Year 3 - \$250,000 max

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\$750,000 maximum

**\$250,000** per single budget period of 12 months

### Special Projects

Same as above \$750,000 maximum

**\$250,000** per single budget period of 12 months

### Cooperative Projects

Year 1 - \$300,000 max

Year 2 - \$300,000 max

Year 3 - \$300,000 max

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\$900,000 maximum

**\$300,000** per single budget period of 12 months

# Minority Science and Engineering Improvement Program

## Estimated Impact

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

**For FY 2011... \$3,035,168 available for new awards**

**\$6,448,826 used for FY 2009 & FY 2010 grants**

# Minority Science and Engineering Improvement Program

**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](mailto:bernadette.hence@ed.gov) or call  
(202) 219-7038