Five-Year Alliance Cooperative Agreements
Key Features

- Numerical Goals
- Partnerships
- Cost Efficient
- Governing Board
- Three Dimensional Project Evaluation Strategy
- Dissemination Strategy

WEM

The Alliances for Minority Participation Program

Budget and Budget Explanation

- Provide a rationale for the level of NSF support requested for EACH item

- Provide a listing of the level of support coming from other sources

- Provide an itemized summary of management cost

Business Contributions to AMPs

Research Opportunities/ Internships

Access to New SEM Technology

Advocacy for Leveraging Support

Financial Support

General Support

Characteristic Strengths of Alliances

♦ **Solid institutional track record of recruiting and graduating individuals from groups underrepresented in science, engineering, and mathematics.**

♦ **Strong institutional leadership at all levels exhibited by implementing activities that work.**

♦ **Clear institutional goals and objectives based on proven cost-effective activities that contribute to increasing the numbers.**

♦ **High expectations for performance of administrators, faculty, and students.**

♦ **A well developed evaluation and dissemination plan.**

Common Project Activities

▲ Each alliance must developed strategies for addressing "Gate Keeping" courses.

▲ Each alliance must developed meaningful collaborations with community colleges, colleges, universities, and businesses.

▲ Each alliance must implemented strategies for institutionalizing AMP activities.

▲ Each alliance projects doubling its current production of minority graduates with degrees in SEM disciplines by the end of its five-year cooperative agreement.

The
Alliances for Minority Participation
Program

♦ Alliances must expand their recruitment efforts at the pre-college, and community college levels to ensure that science, mathematic, engineering, and technology (SMET) work force opportunities are accessible to all students.

♦ Recruitment strategies should be systematically expanded along the following lines:

  ♦ GEOGRAPHICALLY

  ♦ DEMOGRAPHICALLY

  ♦ METHODOLOGICALLY

  ♦ STRATEGICALLY

NECESSARY STEPS IN THE DEVELOPMENT OF AN ALLIANCE

1. Develop a clearly defined mission statement with articulated short-term and long-term goals. Communicate them throughout the alliance and provide for periodic review.

2. Address concerns about institutionalization by utilizing the agreed-upon mission statement to define appropriate and necessary activities for the alliance.

NECESSARY STEPS IN THE DEVELOPMENT OF AN ALLIANCE

3. Utilize the mission to develop an organizational structure that will facilitate both goal accomplishment and compatibility with member institutions. Provide for maximum involvement of member institution administrators and faculty in decision-making roles.

4. Consider board member selection, role definition, and decision-making protocol in terms of mission and structure of the organization.

NECESSARY STEPS IN THE DEVELOPMENT OF AN ALLIANCE

5. Address member complementarily and commitment by requiring that each potential member prepare a self-study as a prerequisite for contributions and cost of membership.

6. Secure tangible commitments form all members.

7. Pursue development of public policy that will provide funding as an incentive for increased institutional cooperation.

Monitoring and Reporting System

- ◆ User Friendly Data Entry Forms
- ◆ Flexible Reporting
- ◆ Sophisticated Error Avoidance and Tracking System
- ◆ Improved Data Quality
- ◆ Faster Turnaround
- ◆ Less Expensive
- ◆ Custom Reports

WEM

The Alliances for Minority Participation

Three Dimensional Evaluation Strategy

♦ Annual On-Site Reviews
   -NSF visits the Alliance with a team of SEM experts

♦ Annual Reports
   -Report are prepared using the NSF MARS system

♦ Annual Reverse-Site Reviews
   -An Alliance team visits the Foundation to present
     results to a team of SEM education experts

SEM