Department of the Navy’s (DON) Historically Black Colleges Universities and Minority Institutions (HBCU/MI) Program

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STRATEGIC PLAN

Vision Statement

Expand opportunities for HBCU/MIs to support the national security functions of solving Science and Technology issues within the Department of Navy through increased involvement in basic, applied and advanced research that will leverage the scientific accomplishments of faculty and the education of students in STEM disciplines who will lead the Naval Force into the new age of scientific discovery.

Mission Statement

To implement critical education initiatives within the Naval Research and Development Enterprise through partnerships with HBCU/MI’s. These collaborations will generate, deliver, and solve technological issues within the scientific community that will transform how technology and education can co-exist. This will lead to HBCU/MI’s providing the highest standard of scientific discovery for the DON.
**Program Tenants**

**Communicate**
- Awareness through the development of social media and outreach activities and program initiatives to provide DON opportunities that can lead to successful STEM researchers and a stronger Navy and Marine Corps Workforce.

**Coordinate**
- Events, programs and collaborations with internal and external research/STEM stakeholder to ensure the development of superior researchers and research focused on Navy relevancy.

**Cultivate**
- Identify new STEM researchers that will foster new ideas and initiatives to encourage and inspire HBCU/MI faculty and students to aggressively identify, apply and maintain opportunities that involve solving Science and Technology gaps through contracts and grants.
WHY S&T?

Warfighting Capabilities Enabled by S&T Investments

- **Current Fleet/Force**: Quick Reaction & Other S&T (≈ 8%)
- **Fleet/Force in Development**: Technology Maturation (FNCs, etc) (≈ 30%)
- **Future Fleet/Force**: Discovery & Invention (Basic and Applied Science) (≈ 50%)

- **1-2 years**: Leap Ahead Innovations (Innovative Naval Prototypes) (≈ 12%)
- **2-4 years**
- **4-8 years**
NAVAL S&T FOCUS AREAS

- Assure Access to Maritime Battlespace
- Autonomy & Unmanned Systems
- Electromagnetic Maneuver Warfare
- Expeditionary & Irregular Warfare
- Information Dominance - Cyber
- Platform Design & Survivability
- Power & Energy
- Power Projection & Integrated Defense
- Warfighter Performance
• Provides science and engineering faculty members from institutions of higher education the opportunity to participate in research of mutual interest to the faculty member and peers at U.S. Navy Laboratories for a 10-week period.

• Three levels of appointment are Summer Faculty Fellow, Senior Summer Faculty Fellow and Distinguished Summer Faculty Fellow.

• Stipends range from $1,400 to $1,900 per week for the summer program.
SABBATICAL LEAVE PROGRAM

• Provides fellowship appointments to science and engineering faculty members from institutions of higher education to participate in research of mutual interest to the faculty member and peers at U.S. Navy Laboratories for a minimum of one semester to a maximum of one year.

• Receive a monthly stipend making up the difference between salary and sabbatical leave pay from their home institution. Relocation and travel assistance are provided to qualifying participants.
• Promote awareness within HBCU/MI faculty and students about naval programs and opportunities via workshops conducted by program managers from ONR as well as other Navy agencies.
• 1st Workshop held at Howard University on October 6-7, 2015. Attended by 18 HBCU’s from Maryland, District of Columbia, Virginia, Pennsylvania and Delaware.
This 10-week intern program is designed to provide opportunities for undergraduate students at HBCU/MIs to participate in research, under the guidance of an appropriate research mentor, at the Naval Research Lab.

Interns receive a stipend of $550.00 per week for the 10-week program ($5,500.00 total), housing and a travel allowance of up to $600.00.
- Provides start-up funding for new, untenured faculty members whose teaching and research impact Department of Defense (DoD) needs in materials science/engineering.

- Each grant ($200,000 for doctoral/master's institutions; $100,000 for primarily undergraduate institutions) can be spent over a two year time period.

- Program Sponsored by: ONR Division 332, Naval Materials
• A 10-week intern program for undergraduate (SO, JR, SR) and graduate students to participate in research at a participating naval laboratory.

• The stipend allowance for the 10-week period as follows: $5,400 for sophomores; $8,100 for juniors and seniors. Graduate students will receive $10,800.
Young Investigator Program (YIP)
- Seeks to attract outstanding young college and university faculty members to the Department of Navy's research program, to support their research and to encourage their teaching and research careers.

Multidisciplinary University Research Initiatives (MURIs)
- Involves teams of researchers investigating high priority topics and opportunities that intersect more than one traditional technical discipline.

Defense University Research Instrumentation Program (DURIP)
- Supports university research infrastructure essential to high-quality Navy relevant research.
Science and Engineering Apprentice Program (SEAP)

- Places academically talented high school students with interest and ability in STEM as apprentices in Department of Defense (DoD) laboratories for eight weeks during the summer.

Naval Science Awards Program (NSAP)

- A U.S. Navy and Marine Corps program that encourages our nation's students to develop and retain an interest in science and engineering.
Science, Mathematics and Research for Transformation (SMART)

- Scholarship for Service Program has been established by the Department of Defense (DoD) to support undergraduate and graduate students pursuing degrees in science, technology, engineering and mathematics (STEM) disciplines.

DOD National Defense Science and Engineering Graduate Fellowship Program (NDSEG)

- Fellowship Program is a joint program of the United States Army, Navy and Air Force within the University Research Initiative (URI), designed to increase the number of U.S. citizen strained in disciplines of science and engineering important to defense goals.
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