



NATIONAL NAVAL OFFICERS ASSOCIATION
Tidewater Chapter
P.O. Box 454
Norfolk, VA 23501-0454

Dedicated to leadership, diversity, retention, recruitment and professional development in the sea services

December 11, 2013

High School Counselors,

I am Lieutenant Commander Keith Dobbins, the Tidewater Chapter President of the National Naval Officers Association (NNOA). As you may know, NNOA actively supports the Sea Services (Navy, Marine Corps, and Coast Guard) in the development of a diverse officer and civilian leadership corps through recruitment, retention, and career development. This year, NNOA desires to increase the number of young Americans pursuing undergraduate degrees in Science, Technology, Engineering, and Mathematics (STEM). Therefore, in addition to our normal scholarships, NNOA will contribute to our national competitiveness by offering **\$ 15,000 in STEM Scholarships** to qualified students entering their freshmen year of college in 2014.

NNOA is an inclusive organization that seeks to expose young Americans to opportunities as a STEM professional or scientist in the Sea Services as a civilian, active duty, or reserve member. In this regard, we will offer **two \$5,000 and two \$2,500 awards (distributed equally according to semester or quarter years)** to Hampton Roads high school seniors. To be eligible for the **NNOA STEM Scholarships**, students must meet the minimum criteria as delineated in (Enclosure 1), be accepted as a full time student majoring in a Tier 1 or Tier 2 degree program as specified in (Enclosure 2), and apply for an internship in the Science and Engineering Apprenticeship Program or SEAP (Enclosure 3). It is my pleasure to solicit your support in ensuring the information is disseminated to all eligible students.

Eligible students must complete the scholarship application (Enclosure 3) and complete an essay answering the following question:

Essay Question: The Department of the Navy is dedicated to improving STEM education over the next decade. What are the benefits of a strong STEM community to the military and the Nation; and what concrete steps should be taken at the local level to inspire young students to pursue STEM education and careers?

- The essay must be a minimum of 500 words typed, double-spaced and single-sided. We will accept essays and applications post-marked not later than March 7, 2014.

Send completed applications packages via mail or email (preferred) to:
National Naval Officers Association, Tidewater Chapter
P.O. Box 454
Norfolk, VA 23501-0454
nnoatidewaterscholarships@gmail.com

NOTE: The award winners will be announced the first week of April 2013 and will be presented at a formal ceremony in May 2013. Awards will be sent to each college/university upon verification of enrollment. Any questions may be addressed to LT Latanya Rose, Scholarship Representative, at 757-953-3393 or latanya.rose@med.navy.mil.

Very Respectfully,

Lieutenant Commander Keith Dobbins
President, NNOA Tidewater Chapter

NNOA STEM Scholarship Criteria

Gold NNOA STEM Scholarship – ***\$5,000**

Senior in high school who has been accepted as a full time student in a Tier 1 or 2 degree program (see attached list) at a regionally accredited college or university

- U.S. Citizen
- Minimum overall GPA - 3.0 on a 4.0 scale
- Recommendation from **two** high school STEM teachers
- Active involvement in community/civil organizations, student government, religious organizations, sports, mentoring, tutoring events, or similar highly encouraged
- Participation in NNOA partner organizations to include JROTC, NJROTC, NSBE, BDPA, What it Takes and Patriot Technology Training Center organizations encouraged and will be given additional weight
- Excellent moral character and reputation

Silver NNOA STEM Scholarship – ***\$2,500**

Senior in high school who has been accepted as a full time student in a Tier 1 or Tier 2 degree program (see attached list) at a regionally accredited college or university.

- U.S. Citizen
- Minimum overall High School GPA – 2.75 on a 4.0 scale
- Recommendation from **one** high school STEM teacher
- Active involvement in community/civil organizations, student government, religious organizations, sports, mentoring, tutoring events, or similar highly encouraged
- Participation in NNOA partner organizations to include JROTC, NJROTC, NSBE, BDPA, What it Takes and Patriot Technology Training Center organizations encouraged and will be given additional weight
- Excellent moral character and reputation

Selection Process:

- Recipients of these competitive scholarships will be selected by a local NNOA chapter scholarship selection committee
- Recipients will be notified upon completion of the board of the selection results

***NOTE:** Scholarship is remitted to the University/College on behalf of student. The NNOA STEM Scholarships will not be deferred. Students who receive the scholarship and do not enroll in the intended and approved STEM major OR fail to maintain a 3.0 GPA may forfeit present or future funding as determined by the National NNOA Executive Board.

Tier 1 and 2 Academic Science Technology Engineering and Math (STEM) Listing

The following list outlines the Tier 1 and Tier 2 academic majors as prescribed by Commander, Naval Service Training Command as Navy approved STEM degree majors.

1. Tier 1 Academic Majors:

- a. Aerospace, Aeronautical, Astronautical Engineering
- b. Chemical Engineering
- c. Electrical Engineering
- d. Mechanical Engineering
- e. Naval Architecture & Marine/Naval Engineering
- f. Nuclear Engineering
- g. Ocean Engineering
- h. System Engineering

2. Tier 2 Academic Majors:

- a. Agricultural/Biological Engineering & Bioengineering
- b. Architectural Engineering/Architectural Engineering Technologies
- c. Astrophysics
- d. Biochemistry, Biophysics & Molecular Biology
- e. Biomathematics & Bioinformatics
- f. Biomedical/Medical Engineering
- g. Biotechnology
- h. Cell/Cellular Biology & Anatomical Sciences
- i. Ceramic Sciences & Engineering
- j. Chemistry
- k. Civil Engineering/Civil Engineering Technologies
- l. Computer Engineering
- m. Computer Programming

- n. Computer Science/Information Technology
- o. Construction Engineering
- p. Electronics & Communications Engineering
- q. Engineering Mechanics
- r. Engineering Physics
- s. Engineering Science
- t. General Science
- u. Industrial Engineering
- v. Materials Engineering
- w. Mathematics
- x. Metallurgical Engineering
- y. Microbiological Sciences and Immunology
- z. Mining & Mineral Engineering
- aa. Nuclear & Industrial Radiologic Technology
- bb. Oceanography
- cc. Petroleum Engineering
- dd. Pharmacology & Toxicology
- ee. Physics
- ff. Physiology, Pathology & Related Sciences
- gg. Polymer/Plastics Engineering
- hh. Quantitative Economics
- ii. Statistics
- jj. Textile Sciences & Engineering

SEAP Internship Program for High School Students

The Science and Engineering Apprenticeship Program (SEAP) provides an opportunity for high school students to participate in research at a Department of Navy (DoN) laboratory during the summer. Participating students spend eight weeks doing research at 24 DoN laboratories. All must be US citizens. Applications are due to SEAP labs in January with notification in March.

Goals: to encourage participating students to pursue science and engineering careers, to further their education via mentoring by laboratory personnel and their participation in research, and to make them aware of DoN research and technology efforts, which can lead to employment within the DoN.

Eligibility Requirements

- High school students in grades 10-12. Graduating seniors are eligible
- Must be 16 years of age for most laboratories.
- Applicants must be US citizens and participation by Permanent Resident Aliens is limited.
- Dual citizens may be accepted at some labs, but not all.

Award Duration and Stipend

- Participating students spend 8 weeks during the summer doing research. Program dates are fixed and cannot be changed. Students participate 8 continuous weeks. No vacation time is allowed.
- It is strongly recommended to apply to laboratories that are close to your residence. No travel/relocation allowance will be provided.
- The stipend amount for students will be \$3,300 for the 8 weeks, which will be paid in three installments. Returning students will receive \$3,800 for the 8 weeks.

Participating Labs:

- * Naval Research Laboratory - Washington, DC; Stennis Space Center, MS; Monterey, CA
- * Naval Air Warfare Center - Aircraft Division - Patuxent River, MD
- * Defense Equal Opportunity Management Institute - Cocoa Beach, FL (new)
- * Naval Undersea Warfare Center - Newport, RI; New London, CT; Keyport, WA
- * Naval Air Warfare Center - Training Systems Division - Orlando, FL (new)
- * Naval Surface Warfare Center - Carderock Division - Bethesda, MD
- * Space and Naval Warfare Systems Center Pacific - San Diego, CA
- * Space and Naval Warfare Center Atlantic - Charleston, SC
- * Naval Air Warfare Center - Weapons Division - China Lake, CA (new)
- * Naval Facilities Engineering Service Center - Port Hueneme, CA
- * Naval Medical Research Institute - Silver Spring, MD
- * Naval Health Research Center - San Diego, CA (new)
- * Naval Surface Warfare Center - Indian Head Division - Indian Head, MD
- * Naval Surface Warfare Center - Dahlgren Division - Dahlgren, VA & Dam Neck, VA
- * Naval Surface Warfare Center - Panama City Division - Panama City, FL
- * Navy Personnel Research, Studies & Technology - Millington, TN
- * Naval Submarine Medical Research Laboratory - Groton, CT
- * Naval Medical Research Unit - Dayton, OH



**NATIONAL NAVAL OFFICERS ASSOCIATION
TIDEWATER CHAPTER**

**2014 SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)
SCHOLARSHIP**

NAME (Last, First, MI)	Social Security Number XXX-XX-_____
Applicant's Address	
Applicant's Telephone Number w/Area Code	Name of Parent or Guardian
Parent/Guardian's Address	
Parent/Guardian's Telephone Number w/Area Code	Name of High School
High School Address	
High School Telephone w/Area Code	Graduation Date
Citizenship	Gender Male _____ Female _____
U.S. _____ Naturalized (give date _____)	Virginia Resident Yes _____ No _____
Ethnic Background _____	Height _____ Weight _____
Applicant's e-mail Address	Prior Military Experience (i.e. Junior Marines, Sea Cadets, NJROTC. Include dates)
Choice of College/University and Degree Program	
Application for STEM Scholarship Type (Select one) Gold (\$5,000) _____ Silver (\$2,500) _____	

SCHOLASTIC ACTIVITIES (include separate sheet if needed)
 From grades 9-12, list academic honor societies and any related awards.

SOCIETY	AWARDS

EXTRACURRICULAR ACTIVITIES (include separate sheet if needed)
 Include NJROTC, Civil Air Patrol, school, church, scouts, and community organizations, etc.

ORGANIZATION	POSITION HELD

ATHLETIC ACTIVITIES

SPORT	POSITION / SPECIALTY	RECOGNITION / LETTER / AWARD

List other activities not mentioned above. Include only those that involve leadership, responsibility, or community service.
 Attach additional sheets if needed.

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COLLEGE BOARD RESULTS SAT Total _____ Reading _____ ACT composite _____

(attach copy of ACT/SACT scores) SAT: Writing _____ Math _____ ACT: English _____ Math _____

 SAT: Multi. Choice _____ Essay _____ ACT: Reading _____ Science _____

CLASS RANK: _____ CLASS SIZE: _____ GPA: _____ on a 4.0 scale

ADDITIONAL INFORMATION

YES / NO

Have you ever applied for or signed an agreement concerning any program leading to a commission in any of the armed services?

Have you ever gone by any other name than what you printed on this application?

Have you ever been arrested, summoned to court, detained, or convicted for any civil or military law violations? Include moving violations and juvenile offenses.

Have you ever sniffed glue, used marijuana, LSD, cocaine, or any other controlled substance or have you ever been charged with a drug-related offense?

Have you ever taken any narcotic, sedative, or tranquilizer other than those prescribed by your physician or dentist?

If you answered "YES" to any of the above questions, please attach a statement on a separate sheet of paper.

ATTACHMENTS

****In order to complete this application, please ensure you have attached the following:**

(1) A recent photograph of yourself (school picture or similar caliber; electronic picture preferred).

(2) Essay Question: The Department of the Navy is dedicated to improving STEM (Science, Technology, Engineering and Mathematics) education over the next decade. What are the benefits of a strong STEM community to the military and the Nation; and what concrete steps should be taken at the local level to inspire young students to pursue STEM education and careers?

(The essay must be a minimum of 500 words typed, double-spaced and single sided)

(3) Recommendation from high school STEM teacher (two recommendations required for Platinum and Gold scholarships)

(4) Copy of your college or university acceptance letter in a Tier 1 or Tier 2 degree program

(5) Copy of ACT or SAT results ("official" copy NOT required)

(6) Copy of high school transcript ("official" copy NOT required)

If you have prior college experience, attach copy of your transcript ("official" copy not required)

(7) Additional or amplifying information to any questions on this application as required.

(8) Copy of awards listed on this application.

(9) Provide a brief statement (1-2 paragraphs) explaining why you would benefit from this scholarship. Ideas to consider discussing are your plans for financing college education and current and foreseeable financial difficulties.

(10) Signed and dated Privacy Act Statement and Statement of Understanding (enclosed)

****NOTE: Electronic signatures are accepted for any signature requirements.**

READ AND SIGN

I understand that this application does not obligate me in any way and that I may withdraw my application at any time. I certify that all information is complete and correct to the best of my knowledge under penalty of forfeiture of scholarship benefits.

Signature

Date

Privacy Act Statement/Statement of Understanding

AUTHORITY: Title 10 U.S. Code §§ 5014 and 5020

PURPOSE: To determine the in the applicant is qualified for the scholarship purposes only. Disclosure of Last four of Social Security Number is voluntary, and if requested, is used to further identify the individual providing the information.

ROUTINE USES: The information is used for the purpose set forth above and if selected may be:

- Forwarded to the College of University of the Applicants Choice ONLY:

THIS DISCLOSURE IS STRICTLY AND WILL NOT ADVERSELY AFFECT THE APPLICANT PROVIDING THE INFORMATION AND WILL BE USED FOR SHOLARSHIP PURPOSES ONLY BY NNOATIDEWATER CHAPTER.

ACKNOWLEDGMENT:

I understand the provisions of the Privacy Act of 1974 as related to me through the foregoing statement.

Signature: _____

Date: _____