



NAWCAD 4.5 Summer Internships

Student Application Form

(U.S. Citizenship Required)

Applications are due by April 28, 2017



RADIATE – June 19 – July 7, 2017

(RF and Antenna Demonstration and Instruction for Advancing Technology Education)

AESIP – July 11 – July 28, 2017

(Aviation Electronics and Sensors Internship Program)



About these unpaid internships:

RADIATE is an opportunity for Southern Maryland high school students to learn about radio waves and radar technologies and how the United States Navy develops, tests and uses these technologies on board their aircraft platforms. This unique internship combines a curriculum developed and taught by Naval Air Warfare Center Aircraft Division (NAWCAD) radar engineers with hands-on learning, tours of NAWCAD labs, and Q&A panels with NAWCAD engineers and scientists. The internship will run daily from June 19 - July 7 from 0800-1600 and fulfills the 100 hour STEM requirement.

AESIP is an opportunity for Southern Maryland rising high school seniors or rising college freshmen to gain exposure to many of the different technologies that the 4.5 Avionics, Sensors & E*Warfare Department develops every day. This program will give theory and hands on experience in many technology areas.

Have you ever wanted to:

Fly a UAV drone? Build and test a radio? Work in the dark with night vision goggles?

Map objects underwater with LASERS? Use an actual SONAR system?

Build and test a working RADAR? Be a CSI with an infra-red camera system?

Get up close to a real F/A-18 Hornet fighter jet?

If you do, this internship will run daily from July 11 - July 28 from 0800-1600 and fulfills the 100 hour STEM requirement.

How to apply:

All interested students should complete, sign and submit this application (including written statement) in PDF format to:

Mr. Steve Wamsley, NAWCAD 4.5 Director of Workforce Development
(steven.wamsley@navy.mil)

NAWCAD 4.5 Summer Internship Application Form

Applications are due by April 28, 2017

Accepted students will be notified no later than May 10, 2017

Which program are you interested in attending:

- | | |
|----------------------------------|----------------------------------|
| <u>1st Choice</u> | <u>2nd Choice</u> |
| <input type="checkbox"/> RADIATE | <input type="checkbox"/> RADIATE |
| <input type="checkbox"/> AESIP | <input type="checkbox"/> AESIP |

Student Information: *Please print clearly*

First Name: _____ Last Name: _____

School: _____ Grade: _____ GPA: _____

Email: _____ Parent/Guardian Email: _____

Have you ever participated in RADIATE (formerly RISE)? Yes No

Please provide a written statement (max 300 words) that explains your interest in the 4.5 Summer Internship Programs and attach it to your completed application.

Math or Science Teacher Endorsement Statement:

Teacher First Name: _____ Teacher Last Name: _____

School: _____ Subject: _____

Email: _____

Endorsement Statement: _____

Background:

Please mark which classes you will have completed by June 2017:

- | | | | |
|---|---------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> Computer Science | <input type="checkbox"/> Geometry | <input type="checkbox"/> Calculus 2 | <input type="checkbox"/> Other Technical Course _____ |
| <input type="checkbox"/> Algebra | <input type="checkbox"/> Pre-Calculus | <input type="checkbox"/> Physics | <input type="checkbox"/> Other Technical Course _____ |
| <input type="checkbox"/> Algebra 2 | <input type="checkbox"/> Calculus 1 | <input type="checkbox"/> AP Physics | <input type="checkbox"/> Other Technical Course _____ |
-

Student Signature:

Name (please print) Signature Date

Parent/Guardian Signature:

Name (please print) Signature Date

Teacher Endorsement Signature:

Name (please print) Signature Date