

# 2014 Programs & Dates

## Biochemistry

Training: May 21-23, 27-30

Program: June 2-6

June 9-13

June 16-20

## Neuroscience

Training: June 23-27

Program: July 7-11

July 14-18

July 21-25

July 28-August 1

## Other GEMS Program Locations

AMRDEC: <http://www.redstone.army.mil/amrdec/>  
*Huntsville, Alabama*

USAISR: <http://www.usaisr.amedd.army.mil>  
*Fort Sam Houston, Texas*

USAMRICD: <http://chemdef.apgea.army.mil>  
*Aberdeen Proving Ground, Maryland*

USAMRIID: <http://www.usamriid.army.mil>  
*Fort Detrick, Maryland (GEMS programs held in Frederick and Hagerstown, Maryland)*

USARIEM: <http://www.usariem.army.mil>  
*Natick, Massachusetts*

WRAIR: <http://www.wrair.army.mil>  
*Silver Spring, Maryland*

## For Additional Information Contact:

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Phone: 334-255-6067

Fax: 334-255-6983

Address:

USAARL, Science Information Center  
ATTN: GEMS Program Coordinator  
P.O. Box 620577  
Fort Rucker, AL 36362

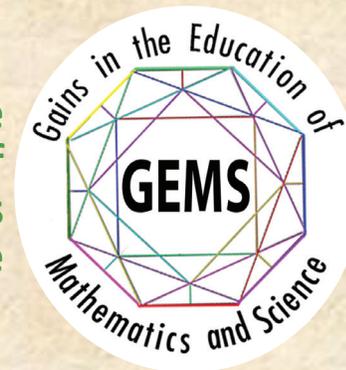


**U.S. Army Aeromedical  
Research Laboratory**

# GEMS

## NEAR-PEER MENTOR

**Gains in the  
Education of  
Mathematics  
and Science**



**Fort Rucker, Ala.**

# STEM SUMMER INTERNSHIP OPPORTUNITY



## About GEMS

GEMS is a summer science, technology, engineering, and math (STEM) education program that enables participants (5th-8th graders) to engage in fun, hands-on experiments.

The program is organized such that college-aged students, called near-peer mentors, teach the GEMS experiments and serve as role models for the GEMS participants.

Near-peer mentors complete extensive training during which they learn how to conduct and teach the experiments.

Near-peer mentors act as expert resources concerning college life and career pathways.

## Responsibilities

- Understand and learn experiment protocols
- Prepare laboratory materials for the experiments
- Guide students through course material
- Implement safety procedures
- Engage and supervise participants
- Act as a role model and mentor for the GEMS participants
- Complete other assigned tasks
- Maintain ethical behavior at all times



## Benefits

- Near-peer mentors network with Department of Defense scientists, engineers, and medical professionals from USAARL.
- Near-peer mentors teach challenging science, math, and engineering concepts to positively influence America's future.
- Through selection into this competitive STEM program, near-peer mentors enhance their ability to pursue possible STEM career pathways.

## Highlights

### Basic Eligibility Requirements

- Must be a U.S. Citizen
- Must be college-aged (undergraduate or graduate), currently enrolled in a STEM or education field of study
- Must be available May 21-June 27 & July 7-August 1, 2014

### Length of Program

- Near-peer mentors meet Monday-Friday, 8:00AM-5:00PM. GEMS participants meet Monday-Friday, 8:30AM-3:30PM.

### Curriculum

- The experiments focus on areas such as physical science, engineering, robotics, math, biomedical sciences, chemistry, physics, and biology.

### Leadership

- GEMS Program Coordinator
- Resource Teacher
- Near-Peer Mentors

### How to Apply

- USAARL will begin accepting applications at the beginning of 2014.
- For more information, visit [www.usaarl.army.mil/usaarl/pages/gemsprog.htm](http://www.usaarl.army.mil/usaarl/pages/gemsprog.htm)

### Other Information

- College students are selected, via a competitive application and interview process, for their technical expertise, attitude, and teaching ability.
- Near-peer mentors receive an educational stipend at the conclusion of the internship.