



# ALERT & Gordon-CenSSIS SCHOLARS

*2017-2018 Program for*

**Freshmen Engineering Undergraduates**



**ALERT**  
AWARENESS AND LOCALIZATION  
OF EXPLOSIVES-RELATED THREATS



**ALERT - Awareness and Localization of Explosives-Related Threats, a DHS Center of Excellence**  
**Gordon-CenSSIS - The Bernard M. Gordon Center for Subsurface Sensing and Imaging Systems**  
**Center for STEM - Center for Science, Engineering, Technology and Math Education**

## Program Information

**The ALERT and Gordon-CenSSIS Scholars Outreach and Research Program Includes:**

- ◆ 20+ Hours of Research per Semester
- ◆ 5+ Hours of K-12 Outreach per Semester
- ◆ Professional Development Meetings
- ◆ Social and Educational Activities
- ◆ Final Research Presentation
- ◆ \$1,000 NU Bookstore Voucher

**2017-2018 Program Dates:** Oct—April

**Application Due-Date:** Friday, Sept. 22nd

**Info Session:** 9/8, 1:30-3:00, in Stearns G12

## Research Project Examples\*

- ◆ Tunnel Detection
- ◆ Whole Body Image Scanning
- ◆ Machine Learning
- ◆ Parallel Computing
- ◆ Radar Breast Cancer Imaging
- ◆ Cybersecurity Systems
- ◆ Green Remediation

## STEM Center K-12 Outreach Project Examples

- ◆ Building Bridges
- ◆ Boston Public School Science Fair

\*For most up to date list of projects and descriptions, visit the ALERT and Gordon-CenSSIS Scholars Webpage below:  
[northeastern.edu/alert/education-programs/alert-scholars/](http://northeastern.edu/alert/education-programs/alert-scholars/)

**Send Applications and Questions to:**

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