



NORAD & USNORTHCOM's NADSAA



North American Defense & Security Academic Alliance (NADSAA)

Newsletter

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Program Update

The North American Defense and Security Academic Alliance (NADSAA) program is completing its inaugural year and we are extremely pleased with the growth the program has experienced and the level of participation we have enjoyed from our partners.

Most significantly, we have just concluded the first cycle of the Volunteer Student Internship Program (VSIP) here in the headquarters and this effort has met with resounding success throughout the Commands. We placed 12 exceptional students from a wide array of colleges and universities across several directorates and special staff offices and the feedback we've received from the intern supervisors has exceeded all of our expectations. We have received applications from 5 students for our winter 2019 VSIP cycle are currently accepting applications for next year's internship opportunities. Thank you for referring such exceptional students to this program! We will continue to work closely with the NORAD and USNORTHCOM staff to find the most challenging and rewarding internship opportunities for your students going forward.

We are also thankful for the research support we have been receiving from both military and civilian institutions. This year we had 7 students dedicate their efforts toward N&NC research topics of interest and we had several others express interest.

Throughout the coming year we will be working on establishing a Research and Writing award program that should provide more incentive for your students to look to N&NC for potential thesis topics and other research related endeavors.

Finally, the 3rd leg of the NADSAA triad, interactivity, is starting to gel in accordance with the program's vision. We had university research teams visit the

headquarters this year and also provided subject matter expert support from our headquarters to university sponsored workshops. We anticipate continued growth in this area and intend to develop a guest speaker series to complement the other interactivity efforts.

Our partnership efforts have yielded exceptional results this year and continues to grow. We would like to thank all of the institutions that have opted to participate in the NADSAA efforts and we look forward to continuing to work with all alliance members while we continue to expand this burgeoning program.

Dr. E.J. Campbell
Chief, Joint Education Branch

North American Defense and Security Academic Alliance (NADSAA)

The North American Aerospace Defense Command (NORAD) and US Northern Command (USNORTHCOM) North American Defense and Security Academic Alliance (NADSAA) exists as a collaborative information-based enterprise dedicated to strengthening and normalizing relationships between the two Commands and academic institutions. This relationship stimulates and develops new thinking, examines cross-organizational solutions, and helps cultivate future generations of Defense and Security practitioners.



**NORAD AND USNORTHCOM
VOLUNTEER STUDENT INTERN PROGRAM**

NORAD and USNORTHCOM Volunteer Student Internship Program (N&NC VSIP)

N&NC VSIP provides students exposure to NORAD and USNORTHCOM missions and responsibilities, while working alongside current military and civilian professionals dedicated to the defense of North America.

Participants in N&NC VSIP gain valuable hands-on experience related to their education endeavors while working in a joint, interagency and international environment at NORAD and USNORTHCOM. Students may potentially earn academic credit for the work performed and those that qualify may receive a Department of Defense SECRET clearance.

Summer 2018 VSIP Interns

In June NORAD and USNORTHCOM welcomed 12 student interns. The summer 2018 VSIP class is made up of nine civilian graduate level students from NADSAA member institutions and three USARMY ROTC Cadets direct from USARMY Cadet Command. This group is currently hard at work within our headquarters on Peterson Air Force Base in Colorado Springs, Colorado.

We've placed all 12 student interns across the NORAD and USNORTHCOM Joint Staff and they are currently working within our Strategic Policy and Plans, Interagency, Logistics and Engineering, Operations, Training and Exercises, and Requirements, Analysis and Resources Directorates. Several of our summer interns have found their experiences to be so enriching that they are extending their summer internships into the fall.



Applications: We are currently accepting applications for internships beginning in January 2019 and June 2019

- The window for **January 2019** applications will be has been extended until **31 August 2018**
- **June 2019** applications will be accepted until 30 November 2018

Student Requirements for Program Consideration:

- ✓ Open to civilian graduate level students and select ROTC / service academy cadets*
- ✓ Students must be available to work a minimum of 9 weeks in the program (work schedules will vary)
- ✓ Students will undergo a background investigation for a Department of Defense SECRET clearance
- ✓ Students must be currently enrolled at an accredited academic instruction and obtain and maintain a GPA of 2.5 on a 4.0 scale

*To be considered for internship appointment, undergraduate ROTC and Service Academy Cadets must hold a minimum DOD SECRET clearance

Application details can be found on our website: http://www.northcom.mil/USNORTHCOM/ACADEMIC_ALLIANCE/VSIP/

For more information please email questions to the following email:

n-nc.peterson.n-ncj7.mbx.j72-internship-omb@mail.mil

It should be noted that, under 5 U.S.C 3111, a student volunteer is not a Federal employee for any purposes other than injury compensation and law related to the Tort Claims Act. Student participation in the program is on a voluntary basis, and there is no remuneration or other employee benefits provided. NORAD & USNORTHCOM does not provide housing assistance or support. Volunteer service is not credible for leave or any other employee benefits or monetary compensation.

Research and Writing Program

NORAD and USNORTHCOM invites academic institutions to partner in research and encourage students to select topics for thesis or other research projects from the following list:

<http://www.northcom.mil/Educational/Academic-Engagement-Opportunities/>

Writing Program Updates

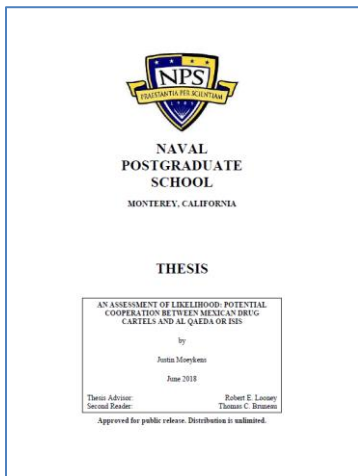
This year, National Intelligence University (NIU)'s Bachelor of Science in Intelligence program utilized five NORAD and USNORTHCOM research topics as final Capstone projects. For an entire semester, teams of 5-6 NIU students conducted research on behalf of the commands and in culmination of their research traveled to the NORAD and USNORTHCOM Headquarters in April 2018. A student representative from each topic area in tandem with an assigned NIU professor met with NORAD and USNORTHCOM Subject Matter Experts (SMEs) to refine and assist in the final stages of their projects.

In June 2018 the NIU students presented their final projects via video conference to our SMEs, who were eager to review their findings and final deliverable projects. The research conducted by these NIU students has directly contributed to the missions of NORAD and USNORTHCOM. In addition, we've received a number of papers from students at NADSAAA member institutions to include the Naval

Postgraduate School. Our research and writing program continues to grow and we receive weekly inquiries from students interested in assisting with research.

As a reminder, we do request that final paper submissions undergo a thorough editing process to include grammar and punctuation.

All research papers submitted from the annual topics list will automatically compete for the annual NADSAA writing award (currently under development). Each submission will be reviewed by a panel of defense and security experts from across the NORAD and USNORTHCOM staff and winners will be invited to present their research findings at our headquarters as well as recommended for publication within an existing military journal.



Research Topic Opportunities: The below research topics list identifies current areas of interest and can potentially be used to satisfy student research project requirements. Please see our website for complete guidelines/instructions.

Research Topic Opportunities-Academic Year 2018-2019

- Aerospace Warning & Control of Advanced Cruise Missile Threats
- Aerospace Warning (Detection, Tracking, Identification) of Advanced Missile Threats
- Animal Decontamination in Chemical, Biological, Radiological and Nuclear (CBRN) Response Enterprise Operations
- Assess accuracy of Department of Defense (DOD) Name Based Databases in establishing a person's authentic identity
- Counter-Unmanned Aircraft Systems (C-UAS) Categorization/Classification

- Non-Governmental Organization (NGO) Network Enclaves for Defense Support to Civil Authorities (DSCA) / Foreign Humanitarian Assistance (FHA) Operations
- The Dragon's New Bear Rug (Chinese and Russian Strategic Cooperation and/or Divergence)
- Wind Turbine Radar Interference Mitigation
- Why are East and West Coast Maritime Command and Control (C2) Different?

Research Topic Opportunities - Academic Year 2017-2018

Drug / Counter-Drug

- Center of Gravity (COG) Analysis of Drug Trafficking Organizations
- Countering "Narcoculture" Ideology
- Dark Web Narcotics Trade
- Department of Defense Counter-Drug Role
- DOD Counter-Drug Effectiveness
- Drug Trafficking Organization Network Analysis
- Economic/Threat Analysis of Narcotics Supply Chain

Transnational Organized Crime

- Alignment of Counter-Transnational Organized Crime (CTOC) Responsibilities
- "Leadership Decapitation" of Transnational Criminal and Drug Trafficking Organizations
- Institutionalizing the President's "Strategy to Combat Transnational Organized Crime
- Homeland Joint interagency Task Force (JIATF) to combat transnational organized crime (CTOC)
- Threat Analysis: Foreign Terrorist Organizations and Transnational Criminal Organizations

Interagency Operations

- Interagency Common Operating Picture / Common Intelligence Picture
- Interagency Coordination

Southwest Border / Western Hemisphere and Immigration

- Southwest Border Training Lessons for Overseas Contingency Missions
- Western Hemisphere Mass Migration

Organizational Change

- Efficacy of NORAD Combined Force Air Component Commander (CFACC)
- Efficacy of a Subordinate Unified Command for Alaska
- Should Mexico Join NORAD and USNORTHCOM?
- As North American defense evolves what role should Mexico play?

Miscellaneous

- Countering Criminal and Drug Trafficking Organizations in the Cyber Domain
- Maximizing Effectiveness of DOD Training through Joint Task Force North (JTF-N)
- Unmanned Aircraft Systems (UAS) and force protection in the USNORTHCOM area of responsibility (AOR)

If your academic institution is interested in more information please contact the Education Team at email:

n-nc.peterson.n-ncj7.mbx.j72-education-team-omb@mail.mil

Interactivity

Via NADSAA, NORAD and USNORTHCOM provide guest speakers, participate in symposiums and provide curricula validation/revision support to academia.

Interactivity Program Updates

NORAD and USNORTHCOM provided subject matter expert panel support to Kansas University's UNCLASSIFIED Crime-Terror Intersections and Intelligence conference on April 19, 2018. This annual event brings together scholars and practitioners to explore the intersections of organized crime and terrorism and government responses to the crime-terror nexus. NORAD and USNORTHCOM provided support to this event's U.S. Government Responses to the Crime-Terror Nexus panel.

A video of this engagement can be found here:

https://mediahub.ku.edu/media/Crime-Terror+Intersections+and+Intelligence-Led+Responses%2C+Panel+2%2C+4-19-18/1_2jijia9

We are excited that we were able to support this event and hope to participate in similar interactivity engagements in the future. If your institution is planning an event that you feel may benefit from NORAD and USNORTHCOM Subject Matter Expert support, please do not hesitate to contact us. We will do everything we can to assist.

In June 2018 we welcomed 30 educators from NADSAA member institutions to our annual Joint Training and Education Academic Workshop (JTEAW). This two day workshop exposed those in attendance to updates to the NORAD and USNORTHCOM missions and the latest challenges and experiences faced by our defense and security practitioners.

This year's event included panels covering the following areas:

- Theater Threat Overview for the NORAD and USNORTHCOM Area of Responsibility
- Defense Support of Civil Authorities (DSCA) and 2017 Hurricane Response
- Ballistic Missile Defense (BMD)
- Evolution of North American Defense (EVONAD)
- Long Range Aviation / Asymmetric Air Threat
- Cyber Security / Critical Infrastructure
- Northern Latitudes / Arctic Strategy
- Maritime Domain Awareness
- Theater Security Cooperation

As an effort to give the JTEAW more of a "workshop" forum in which Homeland Defense/Homeland Security educators share ideas, lessons learned and network amongst themselves and NORAD and USNORTHCOM staff, this year's event included an hour long session in which several educators presented current initiatives at their respective academic institutions. This session was well received by all attendees and NORAD and USNORTHCOM staff.

JTEAW's purpose is to provide annual updates to academic institutions who teach subjects related to command missions in order to ensure curricula are kept relevant and current. We encourage you all to attend the 2019 JTEAW. Details regarding the 2019 JTEAW will be released in January 2019. Please be on the lookout!

Interactivity Program Functions:

- **Guest Speakers:** Current and former senior military leaders or subject matter experts are made available to Universities for symposiums, events, lectures, etc.

NOTE: Request for current NORAD and USNORTHCOM leadership is made to the NADSAA coordinator (Military or former military speaker's honorarium, fee, or pro-bono appearance is individually negotiated per event)

- **Curricula support:** NORAD and USNORTHCOM may provide subject matter expertise in support of curriculum validation/revision
- **Subject Matter Experts** from academia provide presentations at NORAD and USNORTHCOM headquarters