DEAD DROP

Program Director's Corner: On the Edge: Geo-Political Saber Rattling in The Central and European Commands

Deep Dive: National Security vs. Privacy

Spring/Fall 2024 IIO Course Schedule & Catalog

IC Scholarships, Internships & Job Opportunities

College of Applied Science & Technology

Intelligence Community Centers for Academic Excellence
Diversity. Knowledge. Excellence.

WHAT IS INSIDE

DEAD DROP

College of Applied Science & Technology

Intelligence Community
Centers for
Academic Excellence
Diversity, Knowledge, Excellence.

ICCAE INSTITUTIONS AROUND THE NATION

Rutgers, The State University of New Jersey *
Borough of Manhattan Community College *
New Jersey City University *
City College of New York *

Saint Louis University
Harris Stowe State University *
Lincoln University *

Syracuse University
CUNY-CCNY/Grove School of Engineering *
CUNY/John Jay College of Criminal Justice *
Norfolk State University *
Wells College

University of Arizona *
Eastern Arizona College
Estrella Mountain Community College *

University of Central Florida
Seminole State College *
Daytona State College

University of Kansas
Dodge City Community College *
Garden City Community College *
Kansas City Kansas Community College
Seward County Community College

University of New Hampshire
College of Mount Saint Vincent *
Howard University *
Northern Essex Community College *
University of Massachusetts Lowell *

University of North Carolina in Charlotte
Johnson C. Smith University *
South Carolina State University *
Winston Salem State University *

University of Oklahoma – Norman *
Cameron University
College of the Muscogee Nation *
Langston University *

University of Southern California
Florida Agricultural and Mechanical University *
San Jose State University *
Santa Monica College *

Virginia Polytechnic Institute & State University
Danville Community College
Morehouse College *

Denotes a Minority Serving Institution (MSI)

ON THE COVER
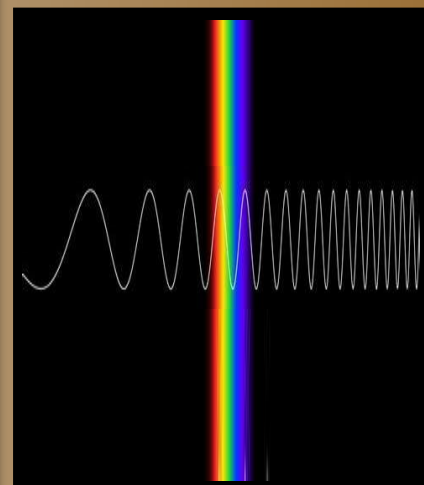
Our cover features a depiction of the electromagnetic spectrum - the building blocks of intelligence collection and electronic warfare. The spectrum consists of radio, microwave, and infrared, ultraviolet light, x-rays, and gamma rays, and visual light that is seen human eye. Electromagnetic radiation can be measured and studied through analytical calculations of energy, wavelength, or frequency. Photo: NASA (Public Domain)

BECOME AN INTELLIGENCE COMMUNITY SCHOLAR

EASTERN ARIZONA COLLEGE

THE UNIVERSITY OF ARIZONA

ESTRELLA MOUNTAIN COMMUNITY COLLEGE
A MARICOPA COMMUNITY COLLEGE

UNITED STATES INTELLIGENCE COMMUNITY

Intelligence Community
Centers for
Academic
Excellence
Diversity. Knowledge. Excellence.

EXCELLENCE STARTS HERE.

WHY BE AN IC SCHOLAR?

IC Scholars are sought after by the U.S. Intelligence Community and receive hiring preference for government jobs. Specifically, IC Scholar graduate applications through USAJobs and IC Careers will be given more points than non-graduates , much like veterans are given more points more than non-veterans. The designation also sets graduates apart in the corporate sector.

ARIZONA ICCAE CONSORTIUM

The Arizona Intelligence Community Center for Academic Excellence (ICCAE) Consortium is a pipeline from high school through community colleges and into the University of Arizona. After graduation, highly-qualified graduates have a natural pathway to a job in the intelligence community. Estrella Mountain Community College and Eastern Arizona College are flagship Arizona ICCAE schools each with degree programs that provide a pathway to finishing your four year degree and a career into the IC.

**ESTRELLA MOUNTAIN
COMMUNITY COLLEGE**
A **MARICOPA** COMMUNITY COLLEGE

**EASTERN
ARIZONA
COLLEGE**

estrellamountain.edu   **eac.edu**

BENEFITS OF BEING AN IC SCHOLAR

- Selective entry into special internships
- Access to select Intelligence Community hiring events
- Preference for study abroad opportunities
- Competitive designation sets you apart for a corporate career

LEARN MORE
ciio@arizona.edu
Phone: (520)626-2442 ext. 2120

College of Applied Science & Technology

CAST
DISTINGUISHED SPEAKER SERIES

2023-2024 Theme:

CURRENT ISSUES IN NATIONAL AND INTERNATIONAL SECURITY

Nov. 7 2pm

Panel Discussion: The US & China

Scheduled guest panelist: U.S. Senator ~~William Cassidy~~ of Louisiana (attending virtually) and ~~Dr. ~~ Associate Professor of Political Science at Louisiana State University (virtually)

EVENT CONDUCTED

Feb. 29 4:30-6:30

Reflections on Cybersecurity and National Security

Talk on the current state and future developments in Cybersecurity by Chet Hosmer, Professor Emeritus of Cyber Operations, College of Applied Science and Technology, author of seven books, and internationally recognized leader in cybersecurity.

April 11 4:30-6:30

Panel Discussion: The US, Europe & Russia

Panel moderated by Dr. Nic Rae, Professor of Government and Public Service and Associate Dean for Research, College of Applied Science and Technology. Our panelists are Dr. Paul J. D'Anieri Professor of Political Science and Public Policy from University of California Riverside and Dr. Dmitriy Nullurayev, Assistant Professor of Government and Public Service, College of Applied Science and Technology

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Register >

UNIVERSITY SOUTH FOUNDATION

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PROGRAM DIRECTOR'S CORNER

PATRICK TORTORICI, PhD
Program Director, IIO

Good afternoon from your Intelligence and Information Operations Program Director. As current or aspiring intelligence professionals, it is important to stay current with geopolitical hot spots. Here are a few new intelligence websites that belong in your bookmarks:

Intelligence.gov

Intel.gov is similar in scope to the DNI website, but it is geared towards learning more about each of the member agencies' missions and potential employment opportunities.

United States Institute of Peace

The impact of fragile or failing states on regional security is an issue with an immediate and visceral impact on security. Examples of fragile, failing, or near-failing states include Yemen, Syria, South Sudan, and a host of others.

Investigative Project on Terrorism

This site requires an acceptance of a subjective viewpoint. However, the architecture of the website is impressive, and it contains one of the most complete databases of terrorist activities available on a free website.

On the Edge: Geo-Political Saber Rattling in The Central and European Commands

This month I would like to cover the strategic morass in two regions of the global commons which has been covered ad nauseam in the media. There are several flashpoints, but we will limit today's article to two: The Bab el-Mandeb Strait and the region encompassing Israel, the Palestinian territories (Gaza and the West Bank), and Lebanon. Please see Figure 1 for a visual representation of these areas.

1. The Bab el-Mandeb Strait separates the Red Sea from the Gulf of Aden. This strait represents a literal choke point for a crucial shipping lane for crude oil. "According to the Energy Information Administration, 12% of total seaborne-traded oil in the first half of 2023 as well as 8% of LNG trade passed through the Bab al-Mandab..." (Reuters). There has been an exponential increase in missile and drone attacks on tankers transiting through the straits on their way to the Suez Canal. These attacks have been launched by the Houthis; a Shia Islamist organization engaged in internecine warfare in Yemen for over a decade.

The Iranian Islamic Revolutionary Guard Corps has been embedded with the Houthis, providing significant logistic and military support. The IGC was initially supporting the Houthis in their resistance to Saudi Arabian incursions. However, like most totalitarian regimes, they have remained in place, and the Houthis are now considered a proxy of Iranian regional aspirations.

As a Proxy organization, the Houthi attacks on shipping transiting the Bab el-Mandeb serve as a supporting operation to the Israeli-Palestinian conflict. It has been posited that this supporting operation is designed to draw the United States into a kinetic conflict. Indeed, there have been a startling number of engagements between US Warships and Houthi missile launches. In this heavily trafficked, congested environment, the chance of an unintentional act that could presage a war is increased. The presence of the Iranian Frigate "Alborz" in the region has ratcheted up tension.

2. The Israeli-Palestinian conflict was covered in the last "Program Director's Corner" (Winter 2023, Volume 4, Issue 2) but there have been some developments of note for aspiring intelligence professionals in the interim. Specifically, the entirely predictable increase in the scope of the conflict has materialized. An increasingly restive Turkish regime has increased the periodicity and ferocity of air and missile strikes against Kurdish forces in northern Iraq and Syria. This has been seen as an indirect response to the "regional spillover of the War in Gaza." (Aljazeera, January 2024)

Another far more alarming area of this spillover can be seen in military strikes between Pakistan and Iran. Islamabad and Tehran's public statements have indicated these strikes were carried out to target militant groups within each country. Pakistan's nuclear capabilities certainly factor into the seriousness of this development.

Providing decision-makers with the near and far-term strategic implications of these developments falls squarely within the purview of the intelligence community. It is an interesting time to be alive, and we will need our young intelligence professionals to drive successful operations and provide our maneuver commanders with prescient analysis. Students at CAST are uniquely suited for this role.

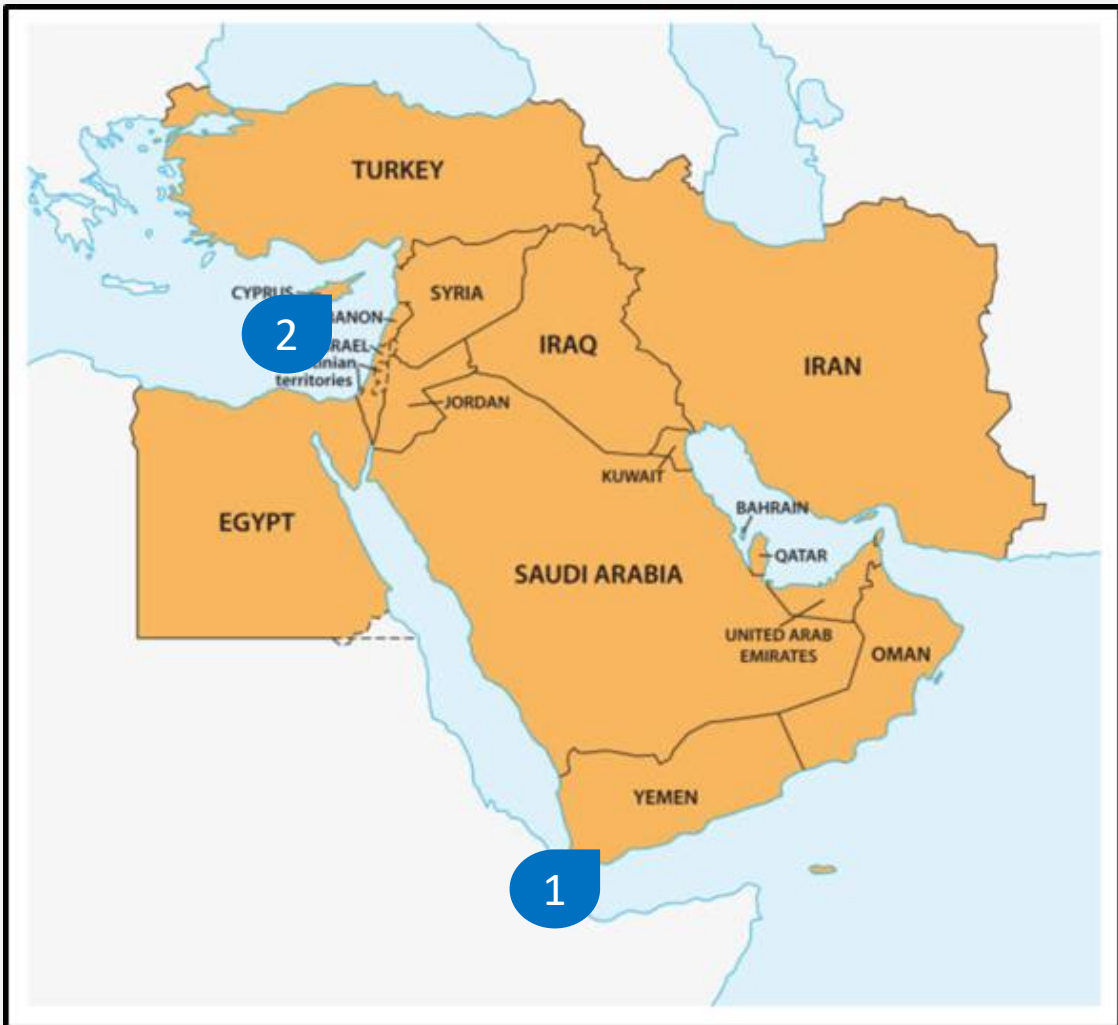**Topic Areas 1 & 2: Bab el-Mandeb Strait, Palestinian territories (Gaza and the West Bank) and Lebanon**

Photo: Nations Online (Public Domain)

DEEP DIVE

National Security vs. Privacy

The delicate balance between national security and our constitutional rights to individual privacy remains a challenging topic in the United States. Robust national security measures are imperative in efforts to safeguard citizens from threats to our critical infrastructures , the extent to which personal privacy is sacrificed remains a contentious issue. Striking this equilibrium involves crafting legislation and employing technologies that protect against potential risks without unduly infringing on individual freedoms. Constant scrutiny, transparency, and periodic reassessment of policies are essential to ensure that security measure evolve responsibly in tandem with evolving threats, respecting the fundamental right to privacy in democratic societies. Achieving this equilibrium demands a nuanced and ongoing dialogue between policymakers, legal experts, technologies, and the public.

Privacy, Technology & National Security - An Overview of Intelligence Collection – Robert S. Litt, ODNI General Counsel

Pew Research Center - Americans' Attitudes About Privacy, Security and Surveillance

Brookings – Protecting National Security, Cybersecurity and Privacy while Ensuring Competition

Department of Defense - Balancing Privacy & Security: The Role of Privacy and Civil Liberties in the Information Sharing Environment

YouTube: SANS Digital Forensics and Incident Response – Privacy vs Security: it's a Log Story

INTEL IN THE NEWS

AI Helps U.S. Intelligence Track Hackers Targeting Critical Infrastructure

Leading IC officials report that AI and other machine learning technologies prove beneficial to aid the National Security Agency (NSA) and other U.S. government agencies to rapidly detect and thwart recent Chinese cyber attacks to U.S. critical infrastructures. Numerous government agencies have reported increased aggression by Chinese hacker group (Volt Typhoon) that seeks to cause unrest through disruption of electric, transportation, and port assets.

Source: Wall Street Journal

US Navy Sailor Sentenced to 27 Months Prison Transmitting Sensitive U.S. Military Information

A U.S. Navy service member, Petty Officer Wenheng Zhao, was found guilty of one count each of conspiracy and bribery for passing sensitive military information to a People's Republic of China (PRC) intelligence officer. The service member was sentenced to 27 months in prison and fined $5,500 for action unbecoming of military personnel.

Source: U.S Department of Justice

Russia is seeking North Korean and Iranian ballistic missiles in Ukraine War

Recently declassified intelligence revealed that Russia has acquired several ballistic missiles and launchers from North Korea, and is in negotiation with Iran to acquire close range ballistic missiles according to U.S. intelligence officials. U.S. officials are making plans to discuss concerns with the United Nations and are looking towards actions leading to crippling government sanctions.

Source: Associated Press

STATUS QUO BIAS

check yourself!

MITIGATING OUR BIASES TO BECOME BETTER INTELLIGENCE PROFESSIONALS

Status quo bias can hinder effective intelligence analysis by limiting the exploration of new perspectives and potential threats. Analysts must be aware of this bias and employ strategies to mitigate its impact on their assessments. The current state of affairs inevitably changes over time, and it is important for analysts to think critically in estimation of the potential benefits of alternative scenarios.

Here are a few ways to mitigate the traps of status quo bias:

Identifying the Bias Itself: Analysts should be mindful of their inclinations to maintain existing assumptions and perspectives, especially when dealing with long-standing situations or familiar adversaries. Actively questioning the status quo is crucial for fostering a more objective and comprehensive analysis.

Diversify Information Sources: Seek information from a variety of sources. Relying solely on familiar outlets or established narratives can reinforce existing beliefs and contribute to the perpetuation of the status quo. By incorporating diverse perspectives, analysts can gain a more nuanced understanding of the situation at hand.

Scenario Planning: can help analysts envision alternative futures. By exploring a range of potential outcomes, analysts can challenge their preconceived notions and prepare for a broader spectrum of possibilities. Encourage structured analytics methods such as Red Team Analysis to provide an from valuable insights that may not be apparent to those entrenched in the status quo mindset, fostering a more robust and unbiased intelligence assessments.

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Z G F J C T."

-Heraclitus,
Greek philosopher/poet
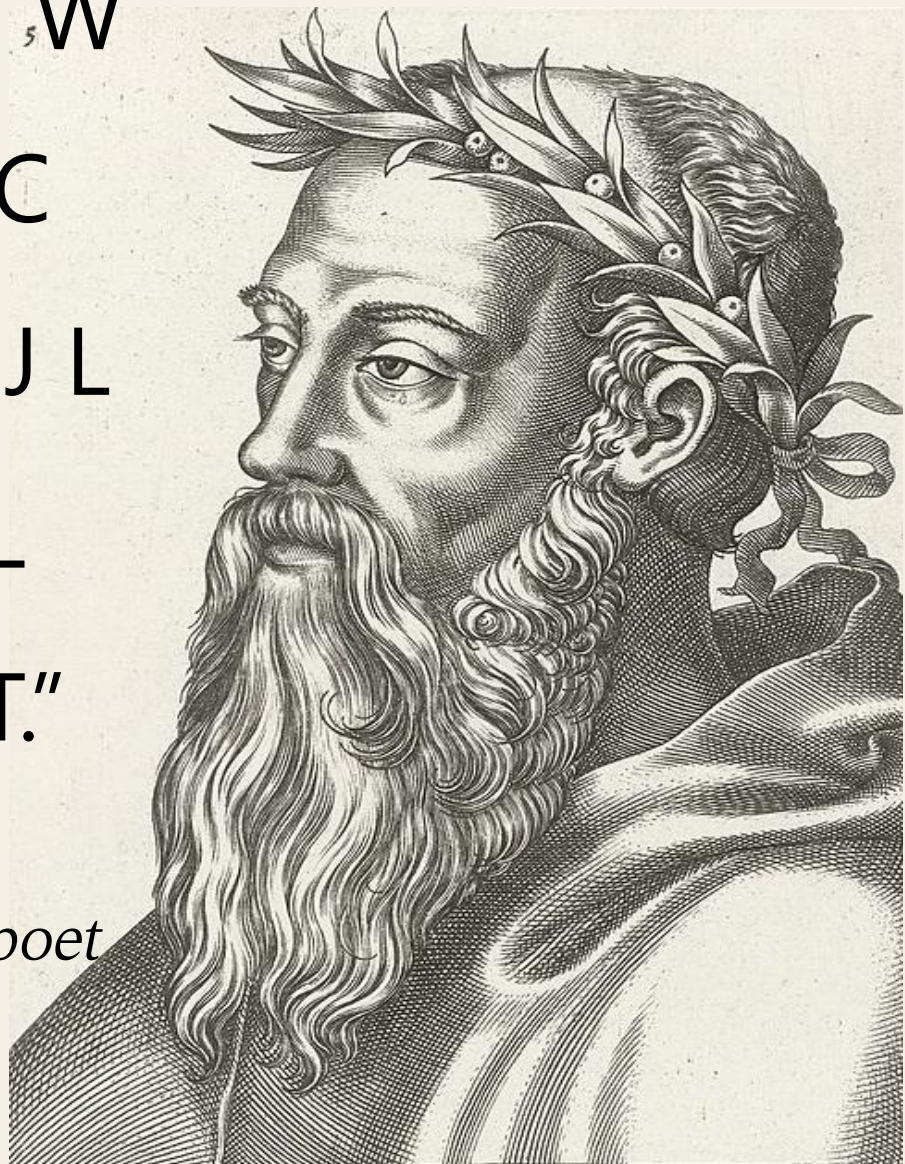
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College of Applied Science & Technology

STOP

IIO Speaker Event:

Sex Trafficking, The Power of Awareness

April 22nd, 5pm AZ Time

Register Here

This presentation delves into sex trafficking indicators and employs case studies to illustrate the transformative impact of awareness of community response. Participants will gain insight into recognizing potential trafficking situations, understand reporting procedures, and hear compelling case studies of the recruitment and grooming of adults and juveniles. The comparison showcases the tangible results of awareness efforts, where sex trafficking suspects are held accountable with significant prison sentences.

About the Presenter:

Heidi Chance

Heidi Chance is a 27-year law enforcement professional who spent most of her career working for the Phoenix Police Department. During her career, she spent over 13 years as a Detective in the H.E.A.T. (Human Exploitation and Trafficking Unit). Detective Chance worked with the H.E.A.T. unit in identifying and rescuing juveniles and adults who are victims of sex trafficking.

Since 2014, she has traveled across the US teaching other law enforcement agencies for the National Justice Training Center (NCJTC) of Fox Valley Technical College, Amber Alert Program. She is featured in the Frontline PBS documentary "Sex Trafficking in America". She is also an Executive Contributor for BRAINZ Magazine.

She has recently begun consulting when creating Achanceforawareness.com as part of her outreach to continue educating the public about sex trafficking awareness and to continue to train Law Enforcement about sex trafficking awareness, educating of proactive undercover operations as well as prosecutors about sex trafficking investigations.

COURSE SCHEDULE

SPRING 2024

SEVEN WEEK - FIRST

CAT#	COURSE	PROFESSOR
CYBV354*	Principles of Open Source Intelligence	Hetherington, Cynthia
CYBV437*	Deception, Counter-Deception & Counterintelligence	Benson, Michael
INTV305	Introduction to IIO	Phillipi, Emilee
INTV326	Introductory Methods of Intelligence Analysis	Nazareth, Craig
INTV350	Intelligence Collection	Nazareth, Craig
INTV353	Geospatial Intelligence	Zsambok, Billy
INTV459	Intelligence, Surveillance, and Reconnaissance Synchronization	Hilliard, Christopher

SEVEN WEEK - SECOND

CAT#	COURSE	PROFESSOR
CYBV351*	Signals Intelligence and Electronic Warfare	Cota, Casey
CYBV354*	Principles of Open Source Intelligence	McCary, John
INTV305	Introduction to IIO	Hilliard, Christopher
INTV326	Introductory Methods of Intelligence Analysis	Tortorici, Patrick
INTV350	Intelligence Collection	Nazareth, Craig
INTV377	Psychological Operations	Hilliard, Christopher
INTV401	Introduction to Law Enforcement Intelligence	Tortorici, Patrick
INTV455	Target-Centric Analysis	Nazareth, Craig
INTV459	Intelligence, Surveillance, and Reconnaissance Synchronization	Wisecup, Tyler

15 WEEK

CAT#	COURSE	PROFESSOR
INTV493	Internship in IIO	Tortorici, Patrick
INTV496	Study Abroad	Denno, Jason
INTV498	Senior Capstone in IIO	Hilliard, Christopher Tortorici, Patrick

* Courses offered as electives

COURSE SCHEDULE

FALL 2024

SEVEN WEEK - FIRST

CAT#	COURSE	PROFESSOR
CYBV354*	Principles of Open Source Intelligence	McCary, John
CYBV437*	Deception, Counter-Deception & Counterintelligence	Benson, Michael
INTV305	Introduction to IIO	Allen, Brent
INTV326	Introductory Methods of Intelligence Analysis	Tortorici, Patrick
INTV350	Intelligence Collection	Nazareth, Craig
INTV353	Geospatial Intelligence	Zsambok, Billy
INTV377	Psychological Operations	Hilliard, Christopher
INTV459	Intelligence, Surveillance, and Reconnaissance Synchronization	Nazareth, Craig

SEVEN WEEK - SECOND

CAT#	COURSE	PROFESSOR
CYBV351*	Signals Intelligence and Electronic Warfare	Cota, Casey
CYBV354*	Principles of Open Source Intelligence	Hetherington, Cynthia
INTV305	Introduction to IIO	Hilliard, Christopher
INTV326	Introductory Methods of Intelligence Analysis	Tortorici, Patrick
INTV350	Intelligence Collection	Nazareth, Craig
INTV401	Introduction to Law Enforcement Intelligence	Tortorici, Patrick
INTV455	Target-Centric Analysis	Nazareth, Craig
INTV459	Intelligence, Surveillance, and Reconnaissance Synchronization	Wisecup, Tyler

15 WEEK

CAT#	COURSE	PROFESSOR
INTV498	Senior Capstone in IIO	Hilliard, Christopher

* Courses offered as electives

IIO COURSE CATALOG

SPRING/FALL SEMESTER

PROGRAM CORES

INTV 305

Introduction to Intelligence and Information Operations
Spring/Fall 2024, Seven Week – First & Second

Provides a broad overview of the American intelligence systems – collection, analysis, counterintelligence, and covert operations – an demonstrates how these systems work together to provide a "decision advantage" for policy makers. Students will also learn how U.S. adversaries have shifted away from directly challenging American forces and have moved to a less risky hybrid warfare model to achieve their tactical and strategic goals. Students will use a combination of research and critical thinking exercises to gain an understanding of the importance of how intelligence is used to inform the decision-making process. Students will also learn how to detect and guard against adversarial information operations designed to manipulate their own sources.

INTV 326

Introductory Methods of Intelligence Analysis
Spring/Fall 2024, Seven Week – First & Second

Provides students with an introduction to Intelligence Analysis and instruction on how to research national security topics and incorporate tradecraft, including critical thinking and structured analytic techniques, to challenge judgments, identify mental mindsets, stimulate creativity and manage uncertainty within the framework of providing sound assessments to decision-makers at the Strategic, Operational and Tactical level of war. Students will leverage scenario-based exercises to practice employing structured analytical techniques and other analytical methodologies in order to answer a decision maker's critical information requirements.

INTV 350

Intelligence Collection

Spring/Fall 2024, Seven Week – First & Second

This course provides students with an overview of the five U.S. intelligence Community recognized intelligence disciplines (Signals Intelligence (SIGINT), Human Intelligence (HUMINT), Geospatial Intelligence (GEOINT), Measurement and Signatures Intelligence (MASINT), and Open Source Intelligence (OSINT) in order to understand how to employ collection to answer information and intelligence requirements into the capabilities, limitations and applications of sensors, and discern the functional responsibilities between intelligence analysts, collection managers and decision makers across the national security enterprise.

INTV 353

Introductory Methods of Geospatial Intelligence (GEOINT)

Spring/Fall 2024, Seven Week - First

This course provides students with an introduction to GEOINT operations and how intelligence professionals can incorporate tradecraft and technology to present visual depictions of critical information regarding enemy forces, terrain, and provide combat operations support to decision makers and operations planners. This course studies the electromagnetic spectrum and fundamentals of energy propagation as they pertain to GEOINT systems and phenomenology. Students will be introduced to the tasking, collection, processing, exploitation, and dissemination of GEOINT systems and data, and GEOINT contributions to National Security, Homeland Security, and Strategic Partnerships. This fundamental knowledge may be applied to a diverse range of constantly evolving GEOINT efforts including support to disaster relief, force protection, and combat operations.

INTV 377

Psychological Operations

Spring 2024, Seven Week – Second; Fall 2024, Seven Week - First

This course is an introduction to the capabilities and uses of psychological operations. Students will examine psychological operations capabilities, limitations, history, and challenges. As part of their learning experience, students will establish when psychological operations are appropriate, how to know when they have become the target of an effort to manipulate their behavior and how to mitigate its effects, and plan a psychological operation against a notional target. Enrollment Requirements: Students enrolled in fully online programs only.

INTV 401

Introduction to Law Enforcement Intelligence

Spring/Fall 2024, Seven Week - Second

This course provides students the opportunity to explore the integration of intelligence-led policing with community-based policing and problem-oriented policing. Focus will be placed on educating students on the process of developing raw information into actionable intelligence, thereby allowing field officers to be more effective during routine law enforcement functions. Students will also learn the intelligence principles that exist within the daily operations of law enforcement.

INTV 455

Target-Centric Analysis

Spring/Fall 2024, Seven Week - Second

This course provide students with an in-depth analysis of the intelligence process; methodologies for evaluating data; threat modeling; and a process to evaluate of the needs of the Intelligence consumer. Students will utilize practical analysis exercises to become familiar with threat modeling, the estimative process, and Intelligence reporting techniques in order to answer a decision maker's critical information requirements.

INTV 459

Intelligence, Surveillance, Reconnaissance & Synchronization

Spring/Fall 2024, Seven Week – First & Second

This course provides an in-depth examination of how to optimize the coordination of all available collection capabilities in order to support intelligence operations and the military decision making process. Students will conduct research and engage in practical exercises to determine optimal sensor deployment schemes and sensor-to-target mix in order to address different collection requirements.

INTV 493

Internship in Intelligence and Information Operations

Spring 2024, 15 Week

This course provides students with opportunities for specialized work on an individual basis, consisting of training and practice in actual service in a technical, business, or governmental establishment.

INTV 496

Special Topics – Intelligence & Information Operations
Study Abroad Program

Spring 2024, 15 Week

Funded by Office of the Director of National Intelligence, Intelligence Community Center for Academic Excellence (IC CAE) Grant to University of Arizona and in partnership with UniFSP. The 2024 program will provide successful consortiums students with the opportunity to culminate the virtual language immersion and study abroad program. Students will apply and continue to refine language skills, visit historical and cultural sites, and be able to gain self-awareness and critically examine preconceived notions or biases held of the Brazilian culture through an immersive cultural experience.

INTV 498

Senior Capstone in Intelligence and Information Operations

Spring/Fall 2024, 15 Week

This course provides Intelligence & Information Operations majors with a capstone experience emphasizing integration of knowledge acquired in previous courses. The course provides a culminating experience for majors involving a substantive project that demonstrates a synthesis of learning accumulated in the major, including broadly comprehensive knowledge of the discipline and its methodologies. Students are required to incorporate a field research study into their research project. This is a self-directed course in which students develop and produce a senior-level research paper grounded in relevant research.

CYBV 351

Signals Intelligence and Electronic Warfare

Spring/Fall 2024, Seven Week – First & Second

(Elective Course) Provides students an in-depth look at Signals Intelligence (SIGINT) and Electronic Warfare (EW) from a strategic, operational, tactical, and technological aspect, including the role of electromagnetic energy in SIGINT and EW operations. Students will use a combination of assessments, research, and practical exercise to gain a holistic view of SIGINT and EW applications in the National Intelligence Enterprise.

CYBV 354

Principles of Open Source Intelligence (OSINT)

Spring 2024, 15 Week

(Elective Course) Provides students with an overview of the fundamentals of Open Source Intelligence. Students will be presented with the most effective methodologies used by cyber professionals, law enforcement, and other investigative personnel to locate and analyze information on the Internet and Dark Web. Students will use interactive exercises to become familiar with the volume of sensitive data on the Internet and how it can be exploited to develop highly detailed intelligence products.

CYBV 437

Deception, Counter-Deception & Counter-Intelligence

Spring/Fall 2024, Seven Week

(Elective Course) Provides students with an introduction to the concepts of deception, counter-deception, counterintelligence, and psychological operations. A survey of how these concepts are used in adversarial Information Operations and why they are among the most effective mechanisms to sway public opinion will be presented. Students will use interactive exercises to become familiar with how to detect deception campaigns as well as the mitigation strategies to defend against them.

MESSAGE FROM YOUR ACADEMIC ADVISORS

Confirm Your Assigned Academic Advisor

Whether you're a newly admitted student or a continuing student, it is important to know who you can contact for support. Continuing students, your Academic Advisor may have changed from who you worked with in previous semesters. To check who is listed as your assigned advisor, follow the steps below!

1. Log into your **Student Center portal** on the UAccess webpage.

2. Click on the Advising menu option towards the top of the page and select "View Advisors", or follow the links below to find your appropriate Advisor.

ADVISORS

CERTIFICATE ADVISORS

3. You will see the name of your current advisor, their contact information, and a link to schedule an appointment.

Confirm Your Enrollment

Please log into your UAccess Student Center and confirm your enrollment for Spring 2024. If you have holds you are unsure about, questions about the courses you're enrolled in or if you are not currently enrolled, reach out to your Advisor.

Important Calendar Deadlines

- Spring 15W/Regular session classes begin January 10th and end May 1st
- Spring 5W1 session classes begin January 10th and end February 14th
- Spring 7W1 classes began begin January 10th and end March 1st
- Spring 5W2 session classes begin February 15th and end March 27th
- Spring 7W2 session classes begin March 11th and end May 1st
- Spring 5W3 session classes begin March 28th and end May 1st

Please feel free to contact our main number at 520-621-8219 and email address at CASTAdvising@arizona.edu.

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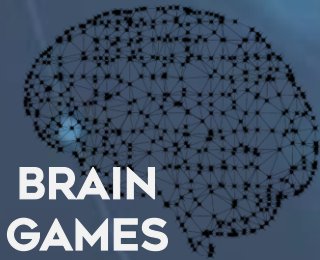
COMPLETE THIS GRID.

EVERY ROW, COLUMN AND BOLD-LINED REGION
CONTAINS EACH OF THE LETTERS FROM A TO F ONCE.

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United States Intelligence Community
Internship Opportunities for Students

To learn more, visit www.IntelligenceCareers.gov/ICStudents.html or individual IC element websites linked below
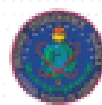
NATIONAL RECONNAISSANCE OFFICE
www.nro.gov/careers/

- Application open until July 24th, 2022 with selections typically made by October
- Paid undergraduate and graduate internship programs for summer 2023

Specific programs of interest include:
- STEM
- Economics
- Political Science
- Business Administration
- Data Science
- Human Resources
- Physical Science

DEPARTMENT OF HOMELAND SECURITY
https://www.dhs.gov/homeland-security-careers/office-intelligence-and-analysis-internship-program

- Application open from July 2022 to August 2022
- Paid undergraduate and graduate internship programs for summer 2023

Specific programs of interest include:
- Intelligence Analysis
- Health/Science
- Law Enforcement
- Technology Emergency Management
- Cybersecurity
- Public Affairs Management/Support

AIR FORCE INTELLIGENCE
https://afciviliancareers.com/paq-intel/

- Applications are currently being accepted and are accepted at various times during the year.
- Paid undergraduate and graduate 3-year internship

An internship in the Intelligence Community (IC) is a great experience that can help launch your career path. Many of the opportunities highlighted here are for summer internships, but some IC elements offer internships during the academic year or that could span many years. Upon graduation and successful completion, some internships lead to non-competitive conversion to full-time employment

DEFENSE INTELLIGENCE AGENCY
https://www.dia.mil/Careers-Opportunities/Students/

- Application opens and closes at various times, typically in March the year before your internship begins
- Paid undergraduate & graduate internship programs for summer 2024

Specific programs of interest include:
- Political Science
- Global Studies
- Computer Science
- Business
- Human Resources
- Law/Criminal Justice
- Natural Sciences
- Engineering
- Logistics

OFFICE OF NAVAL INTELLIGENCE
www.oni.navy.mil/Careers/Intern-Programs/

- Application open from September 2022 to October 2022
- Paid undergraduate and graduate internship programs for summer 2024

NATIONAL SECURITY AGENCY
www.intelligencecareers.gov/nsa/nsastudents

- Application open from September 2022 to October 2022
- Paid undergraduate and graduate internship programs for summer 2023

Specific programs of interest include:
- STEM
- Computer Science
- Foreign Language
- Logistics
- Cyber Security
- Intelligence Analysis
- Information Management
- Human Resources
- Strategic Communications
- Information Technology
- Research/Development

Intelligence Community
Centers for Academic Excellence
Diversity. Knowledge. Excellence.

Virtual Student Federal Service (VSFS)
https://vsfs.state.gov/apply

- Apply in July 2022 for an internship during the upcoming academic year
- VSFS is an unpaid, remote internship which requires no security clearance

The Presidential Management Fellowship (PMF)
www.pmf.gov

- The application is open from 13 September until 27 September
- Only graduate students (MA, PhD, JD, MBA, etc) who graduated between September 13, 2020, and September 13, 2022, or will graduate before August 31, 2023, may apply.
- Selected PMFs will have the opportunity to apply to positions across the federal government, including within the IC

CENTRAL INTELLIGENCE AGENCY
https://www.cia.gov/careers/student-programs/

- Applications accepted year-round for most programs: apply one year before preferred start date
- Paid undergraduate and graduate internship programs

Specific programs of interest include:
- Political Science
- STEM
- Education/Training
- Economics
- Information Management
- Data Science
- Media Analysis
- Cyber Security
- Computer Science
- Library Science
- International Relations
- Graphic Design
- Cartography
- Human Resources

DEPARTMENT OF STATE
https://careers.state.gov/interns-fellows/student-internships/

- Application opens in the fall on USA Jobs (typically opens and closes in September)
- Paid undergraduate and graduate internship for summer 2023
- Positions in many bureaus, including the Bureau of Intelligence and Research (INR)

Specific programs of interest include:
- **Student Internship Program**: opportunities to work in U.S. Embassies and Consulates throughout the world
- **Pathways Internship Program**: opportunities to explore federal careers
- Numerous Fellowship Programs
- Workforce Recruitment Program for disabled persons

NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
https://www.intelligencecareers.gov/NGA/ngastudentprograms.html

- Application closes in September 2022
- Paid undergraduate and graduate internship programs for summer 2023
- Positions based in Virginia & Missouri

Specific programs of interest include:
- Business
- Geophysics
- Human Resources
- Earth Sciences
- Intelligence Analysis
- STEM
- Geography
- Finance
- Computer Science
- Social Sciences

FEDERAL BUREAU OF INVESTIGATION
www.fbijobs.gov/students

- Application opens in September 2022
- Paid undergraduate and graduate internship programs for summer 2023
- Internships offered in Washington DC as well as at many of the FBI's field offices across the country

Specific programs of interest include:
- Honors Internship Program
- Visiting Scientist Program

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The Department of Energy
www.energy.gov/careers/student-recent-graduates

Three internship programs of interest:
- **Minority Educational Institution Student Partnership Program (MEISSPP)**- Typically apply by March for a paid internship. *Learn More*.
- **DOE Scholars Program**- Typically apply by September for this internship with opportunities around the country as well as a stipend. *Learn More*.
- **National Nuclear Security Administration Graduate Fellowship Program (NGFP)**- Apply by Early October 2022 for this paid opportunity. *Learn More*.

U.S. Army Cyber Command
https://bit.ly/3nU0JEw

- Applications are currently being accepted and are accepted at various times during the year.
- Apply for paid positions over the summer or for 2-year fellowship opportunities
- Positions located at Fort Gordon, Georgia

Tips on Securing an Internship

1. Read the eligibility requirements before applying to ensure that you are eligible for the internship.
2. Write a federal resume. Work with your university career office and your IC CAE Program to understand the content required for a top-tier federal resume.
3. If an application requires a cover letter, tailor it to the position. This is your opportunity to connect your education and unique experience and skills to the position.
4. Be proactive and move quickly. Check often for internship openings as some agencies cap the number of applications they will accept.
5. A background investigation is typically required and some agencies also require a medical exam, foreign language, and/or military service.

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DISCOVER A
NEW PATH

U.S. Customs and Border Protection (CBP) Internship Program
seeks high performing University of Arizona students in the Intelligence Information and Operations (IIO) program to support the **Southern Border Intelligence Center (SBIC).**

Students will assist the Executive Director to coordinate meetings, compile deliverables, engage with other senior leaders across the southern border, and conduct tasks as needed. This position will provide the selected candidate(s) the opportunity to participate in intelligence planning at the strategic and operational level across the U.S. Government.

Purpose of the Internship:
As an all-source intelligence analyst, applicants will learn how to conduct research, form analytical conclusions, key judgements, and perform a variety of analytical techniques to answer key intelligence questions. Interns will learn the intelligence cycle, Intelligence Community Standards, a variety of analytical techniques, and an understanding of the complex border security environment.

Internship Available: Summer – Yes   Fall – Yes   Spring – Yes

Deadlines: Applications must be received by the first week of the previous semester, i.e. for and internship starting in the Spring semester, submit application within the first week of the previous Fall semester.

Agency Minimum Qualifications:
- You must be a U.S. Citizen to apply for this position
- Males born after 12/31/1959 must be registered with Selective Service
- Primary U.S. residency for at least three of the last five years
- Background Investigation: CBP is a federal law enforcement agency that requires all applicants to undergo a thorough background investigation prior to employment in order to promote the agency's core values of vigilance, service to country, and integrity. During the screening and/or background investigation process, you will be asked questions regarding any felony criminal convictions or current felony charges, the use of illegal drugs (e.g., marijuana, cocaine, heroin, LSD, methamphetamines, ecstasy), and the use of non-prescribed controlled substances including any experimentation, possession, sale, receipt, manufacture, cultivation, production, transfer, shipping, trafficking, or distribution of controlled substances. For more information visit this link.

Agency Preferred Qualifications:
- Current University of Arizona Student within good standing, **minimum of a 3.0 GPA.**
- Students in their 2nd or 3rd year of study in an Intelligence, Criminal Justice, or National Security related field

Internship Description: Unpaid (Potential to earn college units/credits)
- Providing support to senior leadership that informs and enhances their ability to make strategic decisions;
- Providing support to senior level engagements on a variety of intelligence programs and activities;
- Providing assistance with management of intra-office relationships across multiple intelligence organizations.

To Apply:
Please submit a resume, school transcript, and a writing sample (2-5 pages) to lillian.abril@cbp.dhs.gov.

Expected Contact:
We will contact you within 3-5 business days upon receiving your application by email to set up an in-person interview.

Directorate of Analysis Fellowship Program

The Directorate of Analysis offers fellowships for undergraduate and graduate students attending four-year Minority Serving Institutions (MSIs). As an Intelligence Analyst Intern for CIA, you will work on teams alongside full-time analysts, studying and evaluating information from all available sources—classified and unclassified—and then analyzing it to provide timely and objective assessments to customers such as the President, National Security Council, and other U.S. policymakers.

Application Deadline: 6-12 months before intended start date. Learn more about the program here.

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THE UNIVERSITY OF ARIZONA

WiCyS
women in CYBERSECURITY
UNIVERSITY OF ARIZONA
STUDENT CHAPTER

CAREER PATHWAY PANELS:
Medicine
Environment
Engineering
Data & Tech

WORKSHOP TOPICS:
Imposter Syndrome
Financial Literacy
Salary Negotiation

OTHER EVENTS:
Networking Mixer
Poster Session
Affinity Breakouts

WHAT IS LYC?
A free, 2-day, campus-wide professional development and networking event specifically focused on supporting **women in STEM at UArizona.**

KEYNOTE SPEAKER:
CALLINE SANCHEZ

Vice President, IBM Systems Lab Services

Voted Business Woman of the Year by the Tucson Hispanic Chamber of Commerce

Women in STEM **2024**
Launching Your Career Symposium

FOR MORE INFO & TO REGISTER:

bitly

bit.ly/LYC24register

WHEN: FEBRUARY 8-9, 2024
WHERE: STUDENT UNION

COLLEGE OF SOCIAL & BEHAVIORAL SCIENCES
Women in Science & Engineering

Follow us on Instagam and join our email listserv to stay updated!

@uarizonawise   wise.arizona.edu

Come Together

For our 10th Anniversary of the Annual Women in Cybersecurity(WiCyS) Conference

NASHVILLE, TN | APRIL 11-13, 2024

WiCyS is the premier event to RECRUIT, RETAIN and ADVANCE women in cybersecurity.

WiCyS brings together women and allies in cybersecurity from academia, research, government and industry. Beyond the annual conference, WiCyS is a community of ENGAGEMENT, ENCOURAGEMENT and SUPPORT for women in cybersecurity.

women in CYBERSECURITY
WiCyS
wicys.org

FACTOID

There are 3.5 million unfilled cybersecurity jobs

CYBERSECURITY VENTURES

Initiated in 2013 by Dr. Ambareen Siraj through a National Science Foundation grant awarded to Tennessee Tech University, WiCyS has become a nonprofit organization offering many benefits for its members.

The WiCyS Conference is an excellent opportunity for companies to connect with female students and professional candidates to recruit them into cybersecurity jobs! More than half the attendees are students seeking opportunities, who have been accepted through the WiCyS scholarship program that sponsorships help to support.

Contact **info@wicys.org** for details.

TIMELINE

	OPENS	CLOSES
Call for Conference Sponsors	July 31, 2023	Until Full
WiCyS Conference Applications for Equity & Advancement, Faculty, Student & Veteran Scholarships	September 11, 2023	November 6, 2023
Call for Program Participation	September 11, 2023	November 6, 2023
Student Poster Competition	September 11, 2023	January 1, 2024
Equity & Advancement/Faculty/Student & Veteran Scholarship Acceptance Notification	December 11, 2023	
Program Participation Acceptance Notification	December 11, 2023	
Student Poster Competition Notification	January 15, 2024	
Registration for Equity & Advancement/Faculty/ Student & Veteran Scholarship Recipients	December 18, 2023	
Accepted Program Participation Registration	December 18, 2023	
OPEN Registration and Lodging	February 19, 2024	Until Full
Conference Workshop Signups	TBD	TBD

COST

	MEMBER	NON-MEMBER
INDUSTRY PROFESSIONAL	$600	$850
U.S. GOVT/NONPROFIT Must have proof of service to qualify	$450	$700
FACULTY/ACADEMIC Must have school-issued email address to qualify for member rate.	$450	$700
ACTIVE DUTY Military/Reserves/National Guard	$250	members only
U.S. VETERANS Must have proof of service to qualify	$250	members only
U.S. MILITARY SPOUSE Must have proof of service to qualify	$250	members only
STUDENTS Must have school-issued email address to qualify for member rate. ONLY AVAILABLE VIA SCHOLARSHIP	$40	members only
VIRTUAL PASS	$100	members only

WiCyS CONFERENCE COMPONENTS

← Sponsors Appreciation Breakfast
← Inclusive Leadership Workshop for Sponsors
← Keynote Speakers
← Technical Presentations
← Technical Workshops
← Poster Competition
← Panel Discussions
← Lightning Talks
← Birds of a Feather Sessions
← Networking Socials
← Resume Clinic
← Mock Interviews
← Professional Headshots
← Career Fair
← Affiliate MeetUp
← Student Chapter MeetUp
← Capture-the-Flag Competition
← CTF After Dark
← Military Breakfast and Networking
← Early Career Breakfast and Networking
← Mid-Career Breakfast and Networking
← Senior Leaders Luncheon
← Male Allyship Breakfast

To learn more, visit wicys.org/events/wicys-2024

JOB BOARD

IC agencies and industry partners are looking for future intelligence professionals like you! Below are current positions currently offered in IIO fields. For more job listings, please look at the job search engines on the Career Resources page.

Tactical Crime & Intelligence Analyst
City of Tempe Arizona
Job Location: Tempe, AZ
Pay Plan: NA
Open: 2023-11-30 – UTC
Job Posting

Special Agent
State of Arizona – Department of Gaming
Job Location: Phoenix, AZ
Pay Plan: NA
Open: 2024-01-25 – 2024-02-29
Job Posting

Intelligence Specialist
US Army Civilian Human Resource Agency
Job Location: Aberdeen Proving Ground, MD
Pay Plan: GS
Open: 2024-01-20 – 2024-04-09
Job Posting

Intelligence Specialist (I&TS)
U.S. Army Forces Command
Job Location: Fort Johnson, LA (Hybrid/Remote
Pay Plan: NA
Open: 2023-01-20 – 2024-05-24
Job Posting

Intelligence Analyst
U.S. Postal Service
Job Location: Washington, DC
Pay Plan: N/A
Open: 2024-01-08 – 2024-02-08
Job Posting

Intelligence Analyst (FMV)
BAE Systems
Location: McLean, VA
Pay Plan: N/A
Open: Open rotation
Job Posting

Counterintelligence Officer II
BAE Systems
Location: Tucson, AZ
Pay Plan: ASRS
Open: Open rotation
Job Posting

CAREER RESOURCES

Industry employers partners, contractors, federal agencies are looking for the best job candidates to fill a number of critical positions in the Intelligence Community.

U.S. Intelligence Careers

Great resource to research jobs throughout the Intelligence Community seeking various intelligence and information analysis skills. You can also find the latest scholarships and internships offered year-round.
> **intelligencecareers.gov**

Indeed

One of the most trusted job search engines in nation! You will be able to find a number of job postings that serve many sectors of the intelligence industry. Indeed also offers a resume uploader where you can store your pre-produced resume for easy application submissions.
> **indeed.com**

Clearancejobs/ Clearedjobs.net

Both sites offer pathways to employment for those students that currently hold an active or current security clearance. Most jobs listed are for federal and contract positions. Create and account and search these offerings.
> **clearancejobs.com**
> **clearedjobs.net**

USAJOBS

Widely known and respected job search tool. Find job listings with various government sectors in and out of the Intelligence Community. In addition, this site offers the ability to draft both federal and standard resumes through its internal resume builder.
> **usajobs.gov**

LinkedIn

One of the most effective ways to find employment is through your professional network. LinkedIn has become the industry standard social platform to connect professionals with industry leaders and hiring managers. Create your profile, engage and communicate with colleagues and recruiters, and plan your new future today!
> **https://www.linkedin.com**

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WE WANT
YOU
FOR THE SOC

Join the UofA's **Security Operations Center** today for a rewarding, for credit, **cybersecurity** intern experience!

What Will You Do As A SOC Intern?

INVESTIGATION

Review vulnerability data, and record and track IT security incidents, including:
- Compromised Accounts
- Phishing
- Abuse reports

CORE OF THE INTERNSHIP

OPERATIONS

Get hands-on experience with security tools and practices within a professional business environment:
- SIEM
- IPS
- Netflow

EXPERIENCE THE SOC WORKFLOW

HUNTING

Perform threat hunting to detect and eradicate threats using various paid and open source intelligence tools!

LEARN AND USE OSINT SKILLS

This internship is available to be taken **for credit** with advisor approval and provides opportunities to develop your skills as a professional in the industry.

Interested? Apply Now On Handshake:

https://app.joinhandshake.com/emp/jobs/8260025

MINIMUM Qualifications & PREFFERED Experience

MINIMUM Qualifications

- Located in **Tucson, Arizona**

- Access to **reliable internet connection** and **computing resources**

- **Internship** is available for **credit** — with **advisor approval**

- **15-25 hours** per week **Mon-Fri || 9a -> 5pm**

- Must be a **current UofA student** studying **Cyber Operations**, **Computer Science**, or related degree

PREFFERED Experience

- The **Incident Handling Process**

- **Networking** (TCP/IP, UDP, DNS, DHCP, HTTP, etc.)

- **Security technologies** and concepts (**Firewalls, Network Intrusion Detection systems, SIEM, CIA Triad**)

- **NIST** Cybersecurity Framework

- Common **data analysis** tools and techniques

- Understanding of **Information Security best practices** at a **individual** and/or **organizational** level

Questions or concerns?
Email: **security@arizona.edu**

Information Security

Handshake

Talent, Meet Opportunity.

Get hired. Apply for jobs and internships offered on campus, in your local area or across the nation.

Get discovered. Stand out among your peers to reach employers actively recruiting Wildcat candidates.

Get connected. Build social networks with peers for tips to land your desired job or internship.

Get involved and make an impact. Discover on-campus and virtual career-focused training events.

arizona.joinhandshake.com
login with your NetID and password

THE UNIVERSITY OF ARIZONA

SIGNING OF THE NATIONAL SECURITY ACT OF 1947

The National Security Act of 1947 celebrates its 77th anniversary in 2024, as one the pivotal legislative actions reshaping U.S. national security and foreign policy today. Stemming for the need for more structural and strategic approaches to national security during the Cold War era, former President Harry S. Truman signed the Act into law. The Act serves as the framework for establishing key intelligence institutions in the Intelligence Community, including the Department of Defense, Central Intelligence Agency, and the National Security Council. It also birthed the groundwork for critical intelligence community engagement for tasks such as interagency collaboration, intelligence collection and reporting, strategic planning, and actionable reporting necessary to ensure proactive approaches to protect the nation from the today's most critical challenges and adversaries.

President Harry S. Truman signs the National Security Act of 1947 (July, 26, 1947) at the White House
Photo: National Archives (Public Domain)

DEAD DROP

1140 N. Colombo Ave
Sierra Vista, AZ 85635
(520) 458-8278
(520) 626-2422 from Tucson
azcast.arizona.edu

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