

DEAD DROP



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**Shadow of the Crescent: The Operationally Fragile
State of Iran's Link to the Mediterranean**

Becoming an IC Scholar and the Process

Accelerated Masters Program: Director Update

Course Highlights: The Human Condition Revisited

Study Abroad 2022 Update



THE UNIVERSITY OF ARIZONA

College of Applied
Science & Technology

MESSAGE ON CAMPUS REENTRY

Dear Students and Colleagues,

The University is updating its COVID-19 protocols to comply with Section 15-1650.05 of the Arizona Revised Statutes, which prohibits public universities from requiring COVID-19 vaccination or from imposing mandatory COVID-19 testing and use of face coverings based on vaccination status.

Vaccination: In accordance with the new Arizona statute, the University will continue to strongly encourage, but not require, that all members of our campus community be vaccinated. If you are fully vaccinated, please upload your vaccine document by using the secure HIPAA-compliant Campus Health system. This critical step will help us track our progress toward campus immunity. More than 20,000 students and employees have already completed their upload.

Vaccination Incentives: Employees who upload their vaccine document will be randomly selected to receive items such as annual parking permits, Campus Recreation memberships, Arizona Arts Live show tickets and many other incentives. Students will also be eligible for incentives. Visit the COVID-19 vaccine page to learn more.

Testing: We will continue to offer voluntary, free, and convenient COVID-19 testing to students, employees, and designated campus colleagues on main campus. The University strongly encourages unvaccinated individuals to be tested for COVID-19 on a weekly basis, although COVID-19 testing is no longer mandatory for any students or employees. Visit the COVID-19 testing page for more information.

Face Coverings: To mitigate the spread of COVID-19, the use of face coverings is strongly encouraged at all of our campuses and locations in Arizona, especially during group activities in indoor settings.

Fall 2021 Plans: We recognize and are monitoring the risks and challenges posed by the continuing spread of the Delta variant and we will continue to review the public health data daily, including rates of community transmission, to inform our approaches. We will communicate any changes to our teaching operations as needed. Updates also will be posted to the Academic Instruction Resources page.

We want to emphasize that, to help ensure the health and well-being of our entire campus community, the University will continue to monitor public health conditions and engage in preventive efforts based on the advice of Arizona public health officials and experts.

Please consult the University's COVID-19 website for the latest information. Thank you for helping to keep our campus and community safe.

BEAR DOWN AND STAY SAFE.

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DEAD DROP



College of Applied
Science & Technology

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DIRECTOR'S MESSAGE

Welcome returning juniors and seniors and new students to our program! We all have a lot to be thankful for, even with the adversity many of us endured during the long 12 months dealing with uncertainty. We are thankful to those who are able to continue their studies- we are here to support you! Whatever your situation, our advisors are here to assist you in mapping out your academic career.

As we begin our 3rd year as an Intelligence Community Center for Academic Excellence, we are proud to say that our students reaped many benefits. The College wrapped up the first Intelligence Summit in April, and held over twelve guest speaker events and two hiring events with the Director of National Intelligence. We also distributed internship and other professional development opportunities during the year for our students, so we hope to continue the momentum into this new academic year.

Kicking off in the fall, we will host an Introduction to the Intelligence Community guest speaker series, and send a call for applications to our study abroad program in 2022. We will also selectively send students to unique professional development opportunities across disciplines, to include cyber, languages, national security, and STEM.

Stay tuned for an exciting year!

CRAIG NAZARETH

Program Director

Intelligence and Information Operations

DEAD DROP

FALL 2021

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THE UNIVERSITY OF ARIZONA

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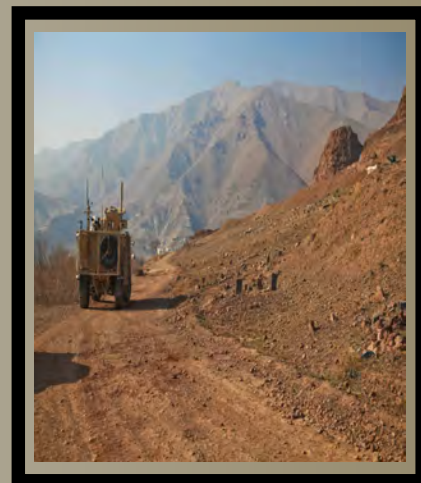
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ON THE COVER



Our cover highlights the PROPHET Enhanced System from a distance – General Dynamics' latest upgrade to one of the U.S. military's forward deployable satellite communication assets. The system is displayed in action on the mountainous trails of Afghanistan.

CYBER THREAT INTELLIGENCE / OPERATIONAL INTELLIGENCE

The SolarWinds Hack and the Microsoft Exchange Server Data Breach: What these monumental security breaches tell us is that state and non-state actors have established formidable cyberspace operations capabilities resulting in an arsenal of tactics and techniques for using cyberspace to achieve their goals. Cyber threat analysts, open-source intelligence analysts, all source intelligence analysts and counterintelligence analysts (to name a few), evaluate threat tactics, techniques and procedures, and employ cyber and intelligence collection methods to understand and gain insight into the individuals and organizations behind these security breaches. They also may recommend targets to senior leaders to bring criminal charges and to disrupt or defeat these actors. However, this target set remains a hard target. Collection and attribution to individual entities or governments is dicey, since anyone involved can (to a certain extent) deny their involvement. They can also use proxies intended to conceal government involvement (covert). Finding the evidence that could be used in court is also difficult, since the sensitive intelligence used to identify the players is often too sensitive to release to the public (or not available at all). In sum, the future of warfare and criminal activity remains in cyberspace, and the future of intelligence and security operations relies on savvy cyber and intel practitioners who can advise leaders and customers to mitigate these threats to government, corporate, and personal security. *Source: [Center for Internet Security](#)*

FINANCIAL INTELLIGENCE

Meme Stock and Crypto Craze: In the past 8 months, investors have witnessed beaten down stocks AMC, Game Stop, and others rise way beyond their valuations. Similarly, during the past year, crypto-currencies began another stellar move, with bitcoin and alternative crypto assets hitting all-time highs. Several financial sites, like Business Insider, rightly claim that the Reddit channel “WallStreetBets” began the trading frenzy, but no one knows these anonymous players who staked so much capital and allowed the meme “stonks” to stay afloat. Who are the players and what are the assets in the crypto space and how is crypto impacting financial power in countries around the world? Who or what organizations are behind the financial transactions? Financial analysts at the US Department of Treasury or Central Intelligence Agency (for example) are probably looking into these implications. Also, as governments continue crackdowns on bitcoin mining and the crypto financial systems in countries like China, one also must consider how non-state actors are leveraging this apparent financial instrument of power against governments. These are interesting topics of national security that could inform diplomatic, informational, military, and economic decisions into the future. *Sources: [Business Insider](#); [Nasdaq.com](#)* 



Intelligence Community
**Centers for
 Academic
 Excellence**

Diversity. Knowledge. Excellence.

Arizona: An Intelligence Community Center for Academic Excellence


BY CRAIG NAZARETH
 PROGRAM DIRECTOR, IIO



Arizona was designated an Intelligence Community Center for Academic Excellence (ICCAE) in 2019 by the Defense Intelligence Agency and was noted the top ICCAE institution. The ICCAE designation provides Wildcats with unprecedented access to the United States Intelligence Community. Because of our designation and relationship with the Office of the Director of National Intelligence, we can bring in guest speaker expert intelligence practitioners and hiring agents to help students navigate career fields and plug in to truly unique seminars, internships, and hiring experiences. In addition to your status as a student at Arizona, the Director of National Intelligence and the University of Arizona confer the designation of “Intelligence Community Scholar” to Wildcats who are U.S. citizens in our program and who are active participants in our ICCAE programs each year.

Become an Intelligence Community Scholar! IC Scholars have several benefits while a student and upon graduation. While a student, IC Scholars are invited to IC Scholar only Intelligence Community hiring events throughout the year and have preferred selection for DNI sponsored activities and programs, including internships with any of the

Intelligence Community agencies. After graduation, students walk away with a certificate and letter from our office validating their status as an IC Scholar. This letter can be uploaded to government career sites like USAjobs.gov, IntelligenceCareers.gov, or Intel.gov during the application process. Hiring managers give preference to IC Scholars, similar to the preference Veterans get for their service. Students must apply to be an IC Scholar. Applications will be sent to students in August. More details to follow in subsequent messages.

Attention: Community College Students in Arizona! Arizona has established a ICCAE consortium with Estrella Mountain Community College and Eastern Arizona College, official partners with Arizona’s Intelligence and Information Operations Program office for the Intelligence Community Center for Academic Excellence. Prospective students looking to get an edge in the IC workforce can pursue a degree with EMCC and EAC for their Associates and complete their degree with the University of Arizona. Upon graduation, the student, if meeting IIO Program Office requirements, can walk away with the coveted “IC scholar” designation for competitive hiring consideration. If you are interested or know someone who may be interested, please spread the word. 

BECOME AN INTELLIGENCE COMMUNITY SCHOLAR



Intelligence Community
**Centers for
Academic
Excellence**

Diversity. Knowledge. Excellence.



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



**THE UNIVERSITY
OF ARIZONA**



**EASTERN
ARIZONA**
COLLEGE

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 ICCareers will be given more points than non-graduates, much like veterans are given more points than non-veterans. The designation also sets graduates apart in the corporate sector.

ARIZONA ICCAE CONSORTIUM

The Arizona Intelligence Community Center for Academic Excellence 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

estrellamountain.edu



eac.edu

BENEFITS OF BEING AN IC SCHOLAR

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

LEARN MORE

iio.azcast.arizona.edu/content/ic-cae

email: AZCASTAdvisers@arizona.edu

phone: (520) 626-2422 ext. 2120

More information on how to become an IC Scholar will be posted this Spring



College of Applied
Science & Technology

Accelerated Masters Program: Masters in International Security Studies (ISS)



If you are even remotely interested in completing an undergraduate and masters in approximately 5 years, contact your advisor immediately. We are pleased to announce that our first cohort of Accelerated Masters Students have been accepted into the AMP with our partner College, the College of Social and Behavioral Science (SBS), to pursue a Masters in International Security Studies. Students who have a 3.5 cumulative grade point average while an Arizona student, have completed at least 75 credits, and completed all general education requirements can apply. Admission into the AMP will occur once 90 credits are completed and at completion of a timely review process.

Should I Apply? It all depends on your timeline and how much exposure you want with applied concepts during your undergraduate career. If accepted into the AMP, students forego the four IIO electives and must enroll in Masters courses during their senior year. Also, AMP students can only enroll into 500 level courses by coordinating directly with their advisor. 🐱

The Intelligence & Information Operations program completed a hugely successful Study Abroad language and cultural immersion from January through May 2021 with our 1st cohort of thirteen students. Safety was paramount, so we began with a partially synchronous distance learning program and kept the travel to a select group of six students over 11 days. Despite uncertainty concerning travel, six excited students traveled to Barcelona, Spain and returned safely. They had a full itinerary, immersing in the culture and language of Spain and enjoying the sites in Barcelona. Our Wildcat Intelligence Community scholars truly were ambassadors from Arizona and the College of Applied Science and Technology. Our partners in Europe were thrilled for the experience and conveyed their admiration for our students.

University of Arizona global campus has numerous study abroad opportunities. Through UA Global, we were able to work with the Institute for American Universities (IAU) in Europe to access top sociology and language experts in Spain. Dr. Ignasi Perez (Sociology of Spain) and Pedro Senalada (Spanish Language), brought valuable insights and an engaging curriculum to our students which provided a solid foundation for intellectual growth and understanding of the Spanish culture.

IIO student Sylvia Vadney, one of our best students and an Intelligence Community scholar, commented that “It was truly an amazing experience...,” and “from a student’s perspective, it was very much a success.” Our goal with the study abroad program is to expose students to an alternative lens with which to view the world, so they are able to reflect on bias and improve their intellectual curiosity and critical thinking. Students in the Intelligence and Information Operations program will definitely grow personally and professionally from these rich experiences.

We will continue the study abroad program in 2022, Spring term, and may expand the program to offer immersive opportunities in other countries available through UA Global and IAU, or other Universities worldwide. Our committee will select the partner by September and send a call for applications in October 2021. The course, INTV 493: Study Abroad, will be an alternative graded course (superior or passing). 🐱

BARCELONA BOUND!

STUDY ABROAD UPDATE

BY CRAIG NAZARETH
PROGRAM DIRECTOR, IIO



Our six Study Abroad 2021 students at the beautiful and scenic Park Guell in Barcelona, Spain.

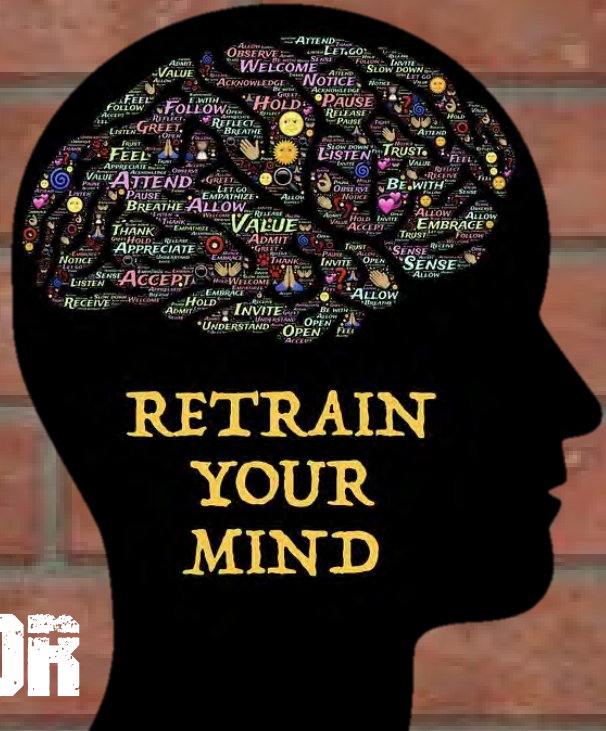


CHECK YOURSELF!

MITIGATING OUR BIASES TO BECOME BETTER INTELLIGENCE PROFESSIONALS

FUNDAMENTAL

ATTRIBUTION ERROR



RETRAIN YOUR MIND

Fundamental attribution error (FAE) occurs when people put too much emphasis on the bad behaviors or actions of others while ignoring the situational factors that may have caused specific behaviors. It is easier to believe that people do bad things because they are instinctively bad people, but we tend to exclude those external factors that play a significant role. Conversely, people tend to justify their bad actions and minimize their accountability through the same exaggerated lens.

Intelligence analysts must be aware of their vulnerabilities to FAE biases when producing intelligence analysis on potential targets. Analysts can easily overemphasize the actions of their targets without understanding the cultural and situational aspects. This can lead to ineffective intelligence analysis and bad decision-making.

Here are a few ways to “check yourself” from the traps of fundamental attribution error:

See yourself. Simple acknowledgment matters. Be aware that you are demonstrating FAE biases may seem obvious, but consider the possibility that you could be demonstrating FAE in moments when you are having an emotional reaction, or when something bad happens. Be able to see your biases, and do not let them be the motivator for your actions.

Temper your judgment. Empower your sense of objectivity and curiosity. Avoid immediate negative criticism of people or situations that you do not understand or have little information to form an assessment. Practice perspective-taking by putting yourself in the shoes of the other person, and ask yourself how you would have performed.

Consider a holistic approach. Analyze your problem in active identification of the underlying factors. Ask yourself the variables that affect certain behaviors (cultural, societal, organization, environmental, systemic, or a combination). You can also use structured analytic techniques such as What If? or Devil’s Advocate to guide your efforts.

SHADOW OF THE CRESCENT: THE OPERATIONALLY FRAGILE STATE OF IRAN'S LINK TO THE MEDITERRANEAN

BY PATRICK TORTORICI, PhD
ASSISTANT PROFESSOR of PRACTICE, IIO



WITH ALL THE NEWS coming out of the Middle East, it's a good time to examine some undercurrent issues which impact the overall strategic posture in the region. This edition, we will briefly outline the so called "Shia Crescent" and how it factors into the holistic political environment of this volatile region. From late 2017 through 2020, Iran's presence in Syria and marginal partnership with Russia presented a troubling reemergence of Tehran's regional power projection capacity to actualize an operational Shia Crescent. The continued slow motion economic freefall of Iran and wildly fluctuating influence in Iraq has resulted in an inability to maintain this tenuous lifeline to the Mediterranean.

The term "Shia Crescent" was purportedly coined in 2004 by King Abdullah II of Jordan while referring to suspected Iranian skulduggery in Iraq's parliamentary elections. The term has stuck and certainly has some

basis for accuracy. What is less clear is where the safeguarding of this lifeline figures in Iranian policy. While the vagaries of Iranian political doctrine are not clearly understood by most Western analysts, we do know that the survival of the regime is the paramount consideration and any other actions taken by Tehran must align with and support this simple imperative.

First, let's cover what the Shia Crescent is. The key term here is "Shia," and as we all know, Iran is something of a Shia standard bearer in the Middle East, with the country consisting of 90-95% Shia (CIA World Fact Book). Shia Muslims are a marked minority in the Middle East. Estimates put the percentage of Sunni Muslims between 87-90% (see figure 2).

The thumbnail concept of the Shia Crescent is a Shia dominated land bridge through an expanse of Sunni controlled regions leading to the Mediterranean Sea (see figure 1). The

only problem with this idea is the presence of sovereign nations between Tehran and her aquatic designs. The most direct route to the Mediterranean Sea is through Central Iraq and Syria. This brings Iranian influence to the eastern shores of the Mediterranean via Lebanon where they already exhibit substantial influence if not outright hegemony. The impact to Israel of Iranian forces on the Golan Heights through Western Syria and her northern border is potentially catastrophic to the Middle East's sole parliamentary democracy, and has enough fascinating dynamics to support a separate article. Iranian access to the Mediterranean is especially troubling when considering the recent military collaboration between Iranian forces and Russian elements in Syria. Iranian influence in Syria is operationally controlled by the Iranian Revolutionary Guard Corps (IRGC). Access through Iraq has been maintained by the presence of Shia Militant Groups (SMG). SMGs have historically allowed Iran to influence the political landscape in Iraq, especially in the wake of the disengagement of American and allied forces since the failed Status of Forces

agreement in 2011. More recently, Iranian proxy groups in Iraq and Syria have shown an increased proclivity to engage in direct, kinetic (force on force) against US forces in the region. (Jablonski, 2021)

When Iranian fortunes are on the upswing, Tehran will increase foreign adventurism in a never-ending desire to attain regional suzerainty at the expense of Israel, Saudi Arabia, and its Sunni partners. The speed and degree to which the regime embraces an expanded role in the Levant and Arabian Peninsula occurs not after meticulous and reasoned analysis, rather it often-times appears as shockingly rash and short-sighted. Times of crisis invariably result in some level of contraction and these are without a doubt times of crisis for the regime, they are beset by a surfeit of serious concerns, most of which center on an exceedingly bleak economic picture. The economic sanctions in addition to decreased oil exporting capability has caused the nation's economy to spiral of control. According to NBC News (2021), "the Biden administration considering lifting sanctions on



Figure 1: Shia Crescent; Source: ImageSat International via Twitter

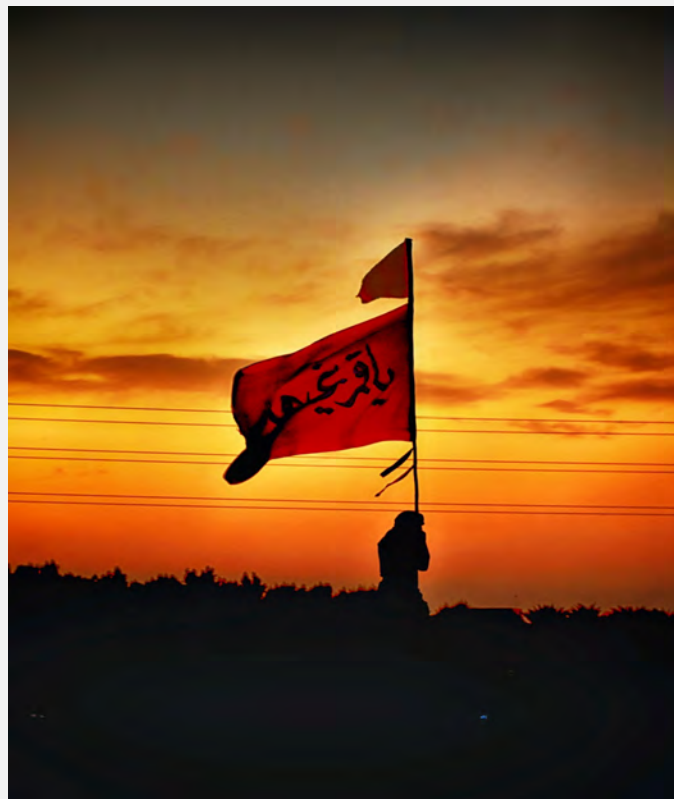


Figure 2: Sunni-Shia regional distribution; Source: [Iran Times](#)

Iran's supreme leader as part of negotiations aimed at reviving the 2015 nuclear deal.” The lifting of the sanctions outlined in Executive Order 13876 (Imposing Sanctions With Respect to Iran) will almost certainly serve to give the regime some breathing room.

ship to SMGs within Iraq have shifted from using established influence corridors to transport Iranian goods to Iraq, Syria and Lebanon to the aforementioned kinetic operations. So, it would seem current circumstance have turned the Shia Crescent into a truncated modern day illicit silk road. 🐱

Unfortunately for Tehran, the tremendous cost of maintaining personnel and military hardware in Iraq and Syria is a drain on their increasingly bare economic cupboard. This fiscal disaster has in turn caused an unprecedented level of sustained social unrest which is a worrying development to a government which reacts to any whispering of reform with brutally effective and immediate repression. In response to the tightening fiscal noose, Iran's policy of late has crept up to the line of military provocation without crossing it. The Associated Press has indicated the sabotage of Saudi Arabian Oil Tankers and the suspected Iranian backed SMG rocket strike within a mile of the U.S. Embassy in Baghdad point to an increasingly bellicose stance by Tehran. In this environment the Shia Crescent is a distant concern as the regime seeks any means to find alternative fiscal opportunities to offset the sanctions. Indeed, recent reporting from the Washington Post indicates instructions from the Iranian mother



**SOLVE THIS
CRYPTOGRAM**

DECRYPTER THE ENCRYPTED
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MOTIVATIONAL QUOTE

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-Will Rogers
*Actor, columnist,
social commentator*

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COURSE SCHEDULE

FALL 2021

SEVEN WEEK - FIRST

SUBJECT	COURSE	PROFESSOR
INTV305	Intro to Intel & Info Operations	Szytko, John
INTV314	National Security Policy	Hilliard, Christopher
INTV326	Introductory Methods of Intel Analysis	Ketcham, Timothy
INTV350	Collection Operations	Nazareth, Craig
INTV352	Human Intelligence	Deida, Abimael
INTV353	Geospatial Intelligence (GEOINT)	Zsambok, Billy
INTV377	Psychological Operations	Hilliard, Christopher
INTV459	Intelligence, Surveillance, Reconnaissance Synchronization	Frank, Kevin

SEVEN WEEK - SECOND

INTV305	Intro to Intel & Info Operations	Hilliard, Christopher
INTV326	Introductory Methods of Intel Analysis	Nazareth, Craig
INTV350	Collections Operations	Bradberry, David
INTV356	Fundamentals of Counterintelligence	Schroeder, James
INTV401	Law Enforcement Intelligence	Tortorici, Patrick
INTV459	Intelligence, Surveillance, Reconnaissance Synchronization	Frank, Kevin

15 WEEK

INTV493	Internship in Intelligence and Information Operations (Self Study)	Staff
INTV498	Senior Capstone in Intelligence and Information Operations	Hilliard, Christopher Craig Nazareth

ACADEMIC CALENDAR

FALL/WINTER 2021-2022

FALL 2021

<i>Classes begin (Seven Week – First/ 15 Week)</i>	August 23, 2021
Labor Day - no classes	September 6, 2021
Honors Convocation - no classes between 3-5 p.m.	October 8, 2021 <u>Family Weekend</u>
Last day of classes and laboratory sessions (<i>Seven Week – First</i>)	October 13, 2021
<i>Classes begin (Seven Week – Second)</i>	October 14, 2021
Veterans Day - no classes	November 11, 2021
Thanksgiving recess	November 25-November 28, 2021
Last day of classes and laboratory sessions (<i>Seven Week – Second / 15 Week</i>)	December 8, 2021
Reading Day - no classes or finals	December 9, 2021
<i>Final examinations</i>	December 10-16, 2021
Degree award date for students completing by close of Fall Session	December 17, 2021
<u>College and Department Convocation Ceremonies (link is external)</u>	Click link for list of convocation ceremonies

WINTER 2021

<i>Classes Begin</i>	December 20, 2021
Christmas Holidays - no classes	December 23-24, 2021
New Year's Holiday - no classes	December 31, 2021
<i>Last day of classes and examinations</i>	January 11, 2022
Degree award date for students completing by close of Winter Session	January 12, 2022

ACADEMIC CALENDAR SPRING/SUMMER 2022

SPRING 2022

<i>Classes begin (Seven Week – First / 15 Week)</i>	January 12, 2022
Martin Luther King Jr Holiday – no classes	January 17, 2022
<i>Last day of classes and laboratory sessions (Seven Week – First)</i>	March 4, 2022
Spring Recess – no classes	March 5-13, 2022
<i>Classes begin (Seven Week – Second)</i>	March 14, 2022
<i>Last day of classes and laboratory sessions (Seven Week – Second / 15 Week)</i>	May 4, 2022
Reading Day - no classes or finals	May 5, 2022
<i>Final examinations</i>	May 6-12, 2022
<u>Commencement</u>	May 13, 2022
Degree award date for students completing by close of Spring Semester	May 13, 2022

SUMMER 2022

<i>Classes begin (Seven Week – First / 15 Week)</i>	May 16, 2022
Memorial Day Holiday -- no classes	May 30 2022
<i>Last day of classes and examination (Seven Week – First)</i>	July 1, 2022
Independence Day observed – no classes	July 4, 2022
<i>Classes begin (Seven Week – Second Week)</i>	July 5, 2022
<i>Last day of classes and examinations (Seven Week - Second)</i>	August 19, 2022
<i>Last day of classes and examinations (15 Week)</i>	August 24, 2022



MESSAGE FROM YOUR ACADEMIC ADVISOR

Enrollment for summer and fall courses is currently open!

Courses often fill quickly, so enroll early to get the best selection! Please touch base with your academic advisor to verify the courses you plan on taking are in line with your degree plan.

You can also schedule an appointment with them if you need additional support with your summer and/or fall enrollment.

FOR MORE INFORMATION CONTACT YOUR ADVISOR AT:

>> <https://azcast.arizona.edu/student-services/advising/meet-your-advisor>

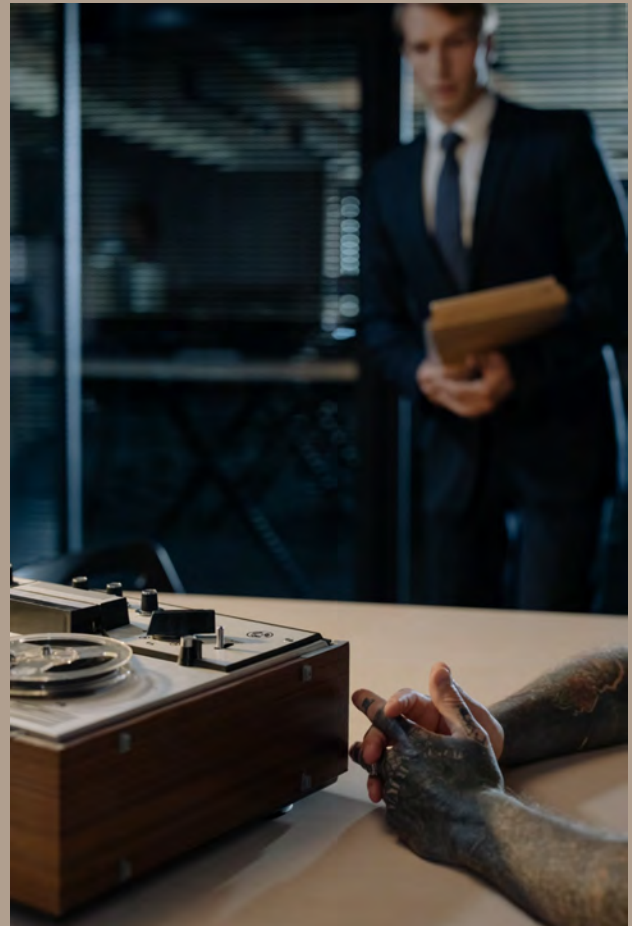


INTV 352 HUMAN INTELLIGENCE

Fall 2021 7 Week 1

This fall, we introduce two new electives to the IIO program. Both these courses tackle the complexity and risk inherent in the human condition. INTV 352, Human Intelligence, flips the coin on counterintelligence and the malicious inside actor mindset by demonstrating how to fill the shoes of the foreign intelligence service to collect sensitive intelligence. This class will be expanding on the fundamentals of human intelligence learned in INTV 350, Collection Operations, to examine the breadth and scope of Human Intelligence collections and tradecraft. One could argue that the Human Intelligence collector is the very threat each counterintelligence agent tries to identify.

Likewise, the Human Intelligence sources, or informants, which defense, other government, law enforcement, and corporate Human Intelligence collectors incentivize to steal secrets, are those very same insider threats. So you are looking at espionage at its best- how to perform it safely and legally, and how to use it to achieve national security and put criminals behind bars. Our professor will be joining us in the fall so we will provide the instructor spotlight at that time. We have several stellar individuals competing to teach in our program and deliver a high-quality course.





INTV 356 FUNDAMENTALS OF COUNTERINTELLIGENCE

Fall 2021 7 Week 2

Offered in Fall 2021 7W2, INTV 356 exposes students to the nature of foreign intelligence collection and the insider threat. We all have gone to school, worked in, or visited places where you rubbed shoulders with people with malicious intent without knowing it until after something bad happens—or these malicious actors continue operating under the concealment of secrecy and tradecraft. From a counterintelligence perspective, that includes individuals whose purpose in life is to penetrate security procedures and trusted agents to expose sensitive information, and provide benefactors with critical intelligence to win in global and corporate competition. What I mean by this is that humans have interests, and those interests can be leveraged to support nefarious goals. Is your incentive money? fame? prestige? Or just plain vengeance? Bad actors will use whatever method to incentivize individuals to steal those precious secrets and intellectual property to answer the requirements of their benefactors. Venture into the world of counterintelligence with Professor Abimael Deida this fall.

Professor Abimael Deida is a certified Human Intelligence practitioner with extensive experience as an instructor. We are proud to have him on our team.

COURSE HIGHLIGHTS



INTV 401 LAW ENFORCEMENT INTELLIGENCE

Fall 2021 7 Week 2



INTV 496 (Introduction to Law Enforcement Intelligence) will act as the unofficial launch for the track. Here is a snapshot of the current course flow for a BAS in Intelligence and Information Operations with an emphasis in Law Enforcement Intelligence. This course flow will change significantly as new courses are added by our faculty. Our instructors are scholar/practitioners with real world experience that will enrich students learning experience.

The course is designed to provide students with an opportunity to explore the integration of intelligence-led policing with community-based policing and problem solving. Emphasis will be placed on educating students in developing raw information into actionable intelligence, thereby allowing field officers to be more effective during routine and specialized law enforcement functions, to include community led policing, counter-terrorism, counter-narcotics, and criminal investigations.



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6					4
4				3	
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1					6

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STUDENT RESOURCES

INTERNSHIPS

National Security Agency (NSA) Intelligence Analysis Development Program

Designed to provide an intensive, accelerated opportunity to acquire the unique technical skills and experience needed to successfully apply knowledge and analytic ability to the Signals Intelligence (SIGINT) mission and help analysts achieve core analytic competencies in accordance with the Intelligence Analysis Professional Development Standards (IAPDS). The program includes 4-5 operational tours in a variety of offices, interspersed with formal classroom and computer-based training. These on-the-job operational tours are primarily focused on the two main SIGINT disciplines of intelligence analysis - SIGINT reporting and SIGINT development. [Learn More](#)

NSA Signals Intelligence Collection Program (SICP)

Undergraduate freshman, sophomores or juniors (at the time of application) leverage collection skills to support the development of collection strategies across a vast architecture, implement mission initiatives in accordance with lawful compliance, manage collection tasks, and understand critical mission data flows. SICP interns will also have the opportunity to pursue in the future as full-time NSA employees. Must be eligible to be granted a TS/SCI/TK security clearance with full scope polygraph; GPA of 3.0 on a 4.0 scale, one semester or quarter of college study remaining at the conclusion of the summer internship. Application deadline: 2020-10-31 [Learn More](#)

NGA Summer Internship Program

Student employment assignments are open to associate, undergraduate, graduate, and post-graduate students and are based on entry-level professional job descriptions, which will involve a great deal of independent and team oriented work under the guidance of a senior-level supervisor and mentors. Students who perform successfully and meet program requirements are invited to continue in the program for the duration of their degree programs, and may be granted the opportunity for conversion to permanent employment upon graduation. [Learn More](#)

DHS Office of Intelligence & Analysis Internships

Students can prepare for careers as intelligence professionals by working as interns in the Department of Homeland Security's Office of Intelligence and Analysis. Interns support these mission areas: Intelligence Analysis, includes analysis of issues related to terrorism, cybersecurity, economic security and transnational organized crime and Intelligence Operations. Students apply in the early fall for the following summer. Internship location: Washington, DC. [Learn more](#)



UNITED STATES INTELLIGENCE COMMUNITY

INTERNSHIP OPPORTUNITIES FOR STUDENTS

TO LEARN MORE VISIT WWW.INTELLIGENCECAREERS.GOV/ICSTUDENTS.HTML



NATIONAL RECONNAISSANCE OFFICE

www.nro.gov/careers/cia-intern.html

Application period opens September, selections are typically made by October

Paid undergraduate and graduate internship programs

CIA assigns interns from their applicant pool to work at NRO

Specific programs of interest include:

STEM	Computer Science	Human Resources
Economics	Physical Science	Business Administration
Political Science	Data Science	Science and Research



DEFENSE INTELLIGENCE AGENCY

www.intelligencecareers.gov/icstudents.html

Application period opens and closes at various times

Paid undergraduate, graduate, and foreign language internship programs

Workforce Recruitment Program for disabled persons (www.wrp.gov)

Specific programs of interest include:

Political Science	Global Studies	Computer Sciences
Business	Human Resources	Law/Criminal Justice
Natural Sciences	Engineering	Logistics



DEPARTMENT OF HOMELAND SECURITY

www.dhs.gov/ia-internship

Application period opens early-to-mid October

Paid undergraduate and graduate internship programs

Secretary's Honor Program for recent graduates

Specific programs of interest include:

Intelligence Analysis	Law Enforcement
Cybersecurity	Legal
Health/Science	Public Affairs
Information Technology	Management/Support
Emergency Management	



DEPARTMENT OF STATE

Careers.state.gov/intern/student-programs

Application period opens in the fall

Paid undergraduate and graduate internship programs

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
- Virtual Foreign Service Internship Program
- Workforce Recruitment Program for disabled persons (www.wrp.gov)



NAVAL INTELLIGENCE ACTIVITY

<http://www.oni.navy.mil/Join-Us/Intern-Programs>

Application period opens September - October

Paid undergraduate and graduate internship programs

Specific programs of interest include:

Intelligence Analysis	Geospatial Analysis	Intelligence Analysis
Scientific Analysis	Technical Analysis	Information Technology
Engineering	Workforce Planning	Research & Development



MARINE CORPS INTELLIGENCE ACTIVITY

www.hqmc.marines.mil/intelligence/Student-Employment/

Application period opens early-to-mid September

Paid undergraduate and graduate internship programs

Specific programs of interest include:

Intelligence Analysis	Geospatial Analysis	Intelligence Analysis
Scientific Analysis	Technical Analysis	Information Technology
Engineering	Workforce Planning	Research & Development



NATIONAL SECURITY AGENCY

www.intelligencecareers.gov/icstudents.html

Application period opens April - September/October for Language Program

Paid undergraduate and graduate internship programs

Specific programs of interest include:

STEM	Intelligence Analysis	Research/Development
Cyber Security	Human Resources	Information Technology
Logistics	Foreign Language	Information Management
Computer Science	Science and Research	Strategic Communications



CENTRAL INTELLIGENCE AGENCY

www.cia.gov/careers/student-opportunities

Applications accepted year round for most programs; apply one year before preferred start date - For DO and scholarship programs apply

December-March and February-July, respectively

Paid undergraduate and graduate internship programs

Specific programs of interest include:

Political Science	Cartographer	Computer Science
Data Science	Education/Training	Human Resources
Graphic Design	Cyber Security	Information Management
STEM	Library Science	International Relations
Media Analysis	Economics	



UNITED STATES INTELLIGENCE COMMUNITY

INTERNSHIP OPPORTUNITIES FOR STUDENTS

TO LEARN MORE VISIT WWW.INTELLIGENCECAREERS.GOV/ICSTUDENTS.HTML



DEPARTMENT OF ENERGY

www.energy.gov/jobs/services/students-recent-graduates

Application period opens and closes at various times
Paid internships available for current undergraduates, current graduates and recent graduates

Specific programs of interest include:

STEM	Engineering	Research & Development
Energy Law	Information Technology	Sciences
Social Sciences	Business	Information Management



FEDERAL BUREAU OF INVESTIGATION

www.fbijobs.gov/students

Application period opens early-to-mid August
Applications accepted throughout the year for Visiting Scientist Program
Paid undergraduate and graduate internship programs

Specific programs of interest include:

- Honors Internship Program which includes opportunities at FBI field offices throughout the U.S., FBI Academy, FBI Headquarters, and other off-sites
- Visiting Scientist Program which includes opportunities for undergrad, graduate, recent grads, postdoctoral fellows, and university faculty to work at the FBI Laboratory



MARINE CORPS INTELLIGENCE ACTIVITY

www.hqmc.marines.mil/intelligence/Student-Employment/

Application period opens early-to-mid September
Paid undergraduate and graduate internship programs

Specific programs of interest include:

Intelligence Analysis	Geospatial Analysis	Intelligence Analysis
Scientific Analysis	Technical Analysis	Information Technology
Engineering	Workforce Planning	Research & Development



CENTRAL INTELLIGENCE AGENCY

www.cia.gov/careers/student-opportunities

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Specific programs of interest include:

Political Science	Cartographer	Computer Science
Data Science	Education/Training	Human Resources
Graphic Design	Cyber Security	Information Management
STEM	Library Science	International Relations
Media Analysis	Economics	



VSFS

V I R T U A L S T U D E N T F E D E R A L S E R V I C E

The U.S. Department of State is currently accepting applications for the [Virtual Student Federal Service \(VSFS\)](#).

The **Virtual Student Federal Service** is the largest virtual internship program in the world! This year we will offer 3,000 positions with 52 federal agencies. VSFS offers unique mentoring and exposure to job opportunities within the U.S. government.

Each year, applications are open to U.S. college students during the entire month of July. Go to [VSFS](#) to see the 950+ projects available. Then, create an account on USAJOBS.gov, build a resume, and apply to the [VSFS Vacancy Announcement](#). VSFS does not require any documentation, but you may upload transcripts in your USAJOBS profile if you like. The most important part of your VSFS application is your personal statement of interest.

VSFS interns should expect to spend ten hours a week on their project from September through May. This is unpaid, volunteer work, but interns make connections that make a difference, gain valuable experience, and sometimes get course credit. All applicants must be U.S. citizens in student status at a university or college in the U.S. or abroad. VSFS is open to undergrad through PhD candidates taking classes full or part-time, in-person or online.



U.S. DEPARTMENT *of* STATE

★ CAREERS REPRESENTING AMERICA ★

careers.state.gov

Global Intelligence and Threat Analysis Intern, Summer/Fall 2021 | Disney Worldwide Services

Imagine working side-by-side with industry leaders in your field of study. Imagine building upon the skills you've learned in the classroom through real-world, hands-on work experience. Now imagine yourself in a Professional Internship with Disney Corporate. When your extraordinary talents, our renowned legacy, and the promise of an even brighter future unite, just imagine the stories you could be part of! Be a part of an innovative team and culture...

Global Intelligence and Threat Analysis is an enterprise-wide intelligence team that provides strategic intelligence, threat assessments, and in-depth analytical products covering existing and developing threats, including physical and cyber threats and all reputational risks to TWDC, its affiliated business units, facilities, guests, and employees. The team provides timely and relevant intelligence that is critical to supporting and informing corporate executives, key business leaders, and security and safety personnel at all levels of TWDC worldwide.

Responsibilities:

- Assist in the collection and production of timely, accurate, and relevant intelligence assessments
- Maintain up-to-date web repository of Global Intel products and support partner requests
- Support team research projects
- With management oversight, compose and brief assigned intelligence topics to Global Security leaders

Basic Qualifications:

- Superior writing, research, and analytic skills including effective use of open source and internet resources
- Knowledge and keen interest in international relations and global developments
- Team player who consistently places team achievement above individual success

Preferred Qualifications:

- International travel/education/work experience
- Second language capabilities
- Familiarization or experience working with – or interning for – government or international security organizations
- Critical thinking skills
- Ability to maintain composure under stress
- Proactive and highly motivated approach to work

Required Education

- Currently enrolled in an accredited college or university and taking at least one class, or be a recent graduate of an accredited college or university within the last six (6) months at time of application, or be currently participating in the Disney College Program, Disney Culinary Program or Disney Professional Internship Program
- Pursuing at least a Bachelor's degree in International Relations, Political Science, Global Security Studies, National Security, Regional/Cultural Studies, International Business, Journalism, or a closely related field

Preferred Education

- Pursuing a graduate degree in International Relations, Political Science, Global Security Studies, National Security, Regional/Cultural Studies, International Business, Journalism, or a closely related field

Additional Information:

- The approximate dates of this internship are June 2021 through December 2021.
- Candidate must be available to work part time hours (approximately 20 hours per week) for the duration of the internship
- Not have already completed two consecutive (spring/fall) College or Professional Internship Programs
- Must possess unrestricted work authorization
- Must be at least 18 years of age

APPLY NOW!



CBP ARIZONA FIELD INTELLIGENCE GROUP INTERNSHIP

This internship is for any student looking to build their resume for intelligence analysis and production and get a foot in the door of the IC. The Department of Homeland Security Customs and Border Protection agency is partnering with the University of Arizona and the IIO Program to offer an all-year round internship through the CBP Arizona Field Intelligence Group. The internship provides students a real-world analytical production opportunity.

Students are selected through a competitive application and screening process. If selected, students will perform research and intelligence production support to the CBP Intelligence Division for approximately four months. Students may coordinate in-person and flex telework with their CBP Intelligence supervisor.

The internship is a rolling allocation, allowing students to apply at any time in the school year. However, students must allow for 6-9 months processing time, which includes submitting the application, interviewing for the internship, and completing a background check. Interested students should send a completed packet via email to:

christopher.macdonald@cbp.dhs.gov, attention to the Director, Arizona Field Intelligence Group, Customs and Border Protection.

- **Writing Example**
- **Transcripts**
- **Resume (as if they would be applying to an IC agency 2-3 pages maximum)**
- **Structured interview via zoom or WEBEX**

If seeking credit for course work, students must align their internship to the fall or spring semester and must enroll in INTV 493 (Exceptions can be made on a case by case basis for summer internship). In addition to the weekly CBP requirements, students will complete requirements for the IIO Program Office to meet their student contact hours for the course.

Because the internship is 120 hours / 8 hours per week, students will work with the IIO Program Office to complete any additional requirements to complete 150 contact hours as required by the Higher Learning Commission. If selected and enrolled in INTV 493, the internship could satisfy a senior year elective requirement.

SCHOLARSHIPS



Louis Stokes Educational Scholarship (STOKES) Program

DIA offers tuition assistance to undergraduate or graduate students currently enrolled at accredited colleges or universities in academic programs critical to DIA (i.e. computer science, intelligence analysis/studies, etc.). Students will given summer work, and guaranteed employment in their field of study upon graduation. GPA of and 3.0 on a 4.0 scale.

<https://diajobs.dia.mil>

Undergraduate Training Assistance Program (UTAP)

Offers tuition assistance, summer work, and a guaranteed position in the awardee's field of study upon graduation. Minorities, women are strongly encouraged to apply. UTAP students are obligated to work at the DIA for a period of time that is one and 1/2 times the amount of time they were in school. <https://www.dia.mil>

National Security Education Program (NSEP)

Awards David L. Boren fellowships and scholarships to graduate and undergraduate students who are dedicated to public service and the immersive study of foreign languages. This national security scholarship awards \$20,000 to scholars studying the culture and languages of countries that pose the greatest risk to the nation's security. Boren scholars and fellows must agree to use their skills in the service of the federal government for one year following graduation.

<https://nsep.gov/content/david-l-boren-scholarship>

Science, Mathematics and Research for Transformation (SMART)

The National Geospatial Agency (NGA) offers STEM undergraduate and graduate students an opportunity to receive a full scholarship, stipend for living expenses, and employment in the Federal Government upon degree completion.

<https://www.smartscholarship.org/smart>

CIA Undergraduate Scholarship Program

Offers undergraduate and graduate students a salary plus up to \$18,000 per year in tuition assistance. Successful applicants are required to work for the CIA during summer breaks and to continue working for the CIA after graduation. The mandatory work period following graduation is equal to 1.5 times the number of years that the CIA provided educational benefits to the student. The work completed during the student's summer breaks will be related to the student's major.

<https://www.cia.gov/careers/student-programs>

DHS Scholarship Program

Department of Homeland Security (DHS) offers several internships, fellowships, scholarships and other opportunities to students who wish to pursue a career in national security, to include work in law, information technology, or cybersecurity. Other programs include the Pathways programs, which lead to a federal government career; the DHS Scholarship Program; the Nuclear Forensics Research Award; and the Office of Intelligence and Analysis (I&A) Internship Program.

<https://www.dhs.gov/homeland-security-careers/health-science>

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.

Global Security Operations Analyst (Entry - Mid level)

Allied Universal
Job Location: Chandler, AZ
Pay Plan: N/A
Open: 2021-07-27 - UTC

[Job Posting](#)

Cryptologic Operations Watch Officer - Entry to Experienced Level

National Security Agency
Job Location: NSA-Texas
Pay Plan: N/A
Open: 2021-07-01 – 2021-08-31

[Job Posting](#)

HUMINT Targeting Course Instructor

Integration Innovation, Incorporated
Job Location: Sierra Vista, AZ
Pay Plan: N/A
Open: 2021-07-27 – UTC

[Job Posting](#)

Cryptanalysis Development Program (CADP) - Entry to Experienced Level

National Security Agency
Job Location: NSA-Washington
Pay Plan: GG
Open: 2021-06-01 – 2001-09-30

[Job Posting](#)

Data Scientist - Entry to Experienced Level

National Security Agency
Job Location: NSA-Washington
Pay Plan: N/A
Open: 2021-06-01 – 2001-09-30

[Job Posting](#)

Special Agent - Law Enforcement or Military Veteran Background

Federal Bureau of Investigations
Job Location: Location Negotiable After Selection
Pay Plan: GS-10
Open: 2021-01-22 – 2022-01-21

[Job Posting](#)



Due to the current issues surrounding the COVID-19 pandemic, some government agencies are experiencing shifts in hiring practices, but will still process applications for hire. Please remain flexible with hiring officials as they transition back to normal operations.

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. Below you will find some job search tools to assist you in finding you new your career path after graduation.

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>

6	5	2	4	3	1
3	1	4	5	6	2
5	3	6	2	1	4
4	2	1	3	5	6
1	4	3	6	2	5
6	2	1	5	4	3

Solve This: Cryptogram Phrase: "Don't let yesterday take up too much of today."
Logic Lounge: Sudoku Puzzle

JOIN OUR TEAM

Full-time and part-time positions available

Full-time positions are available for candidates that already have background experience in Intelligence. Active security clearance is preferred. Interested candidates should follow the links below for more information.

[All Source Intelligence Analyst \(35F\) Trainer](#)

[MI Systems Maintainer/Integrator \(35T\) Course Trainer – Intermediate/Top Secret](#)

[Counterintelligence \(35L/35E\) Senior Trainer](#)

Part-time opportunities are regionally located at the Electronic Proving Grounds in Sierra Vista, Arizona. These positions come with benefits, 401K, and opportunities to obtain security clearances. View the links below to learn more about these amazing career opportunities!

[Radio Frequency Test Lab and Evaluation Engineer](#)

[Engineering Technician I](#)

APPLY TODAY



THE
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STRUCTURED
BRAINSTORMING:

STAR BURSTING

Starbursting is a brainstorming technique that is used by analysts to generate questions rather than answers. It is useful to develop questions that will further develop ideas and schemes within a particular issue. Starbursting has shown to be an effective tool in marketing, advertising, technology and government, and intelligence-focused strategies.

When to Use It: Use this technique when you are tasked to develop any new ideas, or looking for innovative ways to organize questions to solve complex intelligence problems. Starbursting is useful in a number of conceptual brainstorming exercises.

How to Do it: 1. Draw a 6-point star with room to place your central issue in the middle (see example below). 2. Add question categories for each of the six star points (who, what, were, how, where, when, and why). 4. Whether by yourself or in a group, generate as many questions for your central issue, brainstorming factors that help to produce your questions. 6. Use your questions to guide your analysis process.

Who are the key players in the attack?

Who will lead the effort to counterattack the enemy targets?

Why did the attackers choose to attack the power grid?

Why didn't U.S. have proper safety mechanisms in place to stop this attack?

When was the attack first noticed?

When will the U.S. assess the true impact of this attack?

What are the motivations of the cyber attackers?

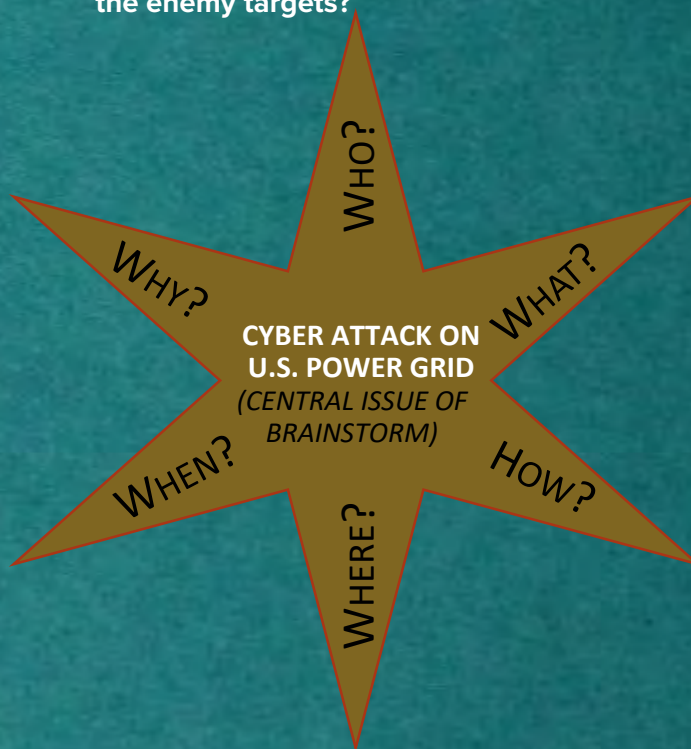
What security measures were in place before the attack?

How did the cyber attackers infiltrate the power grid?

How much damage did the damage cost (economics, politics, etc.)

Where are the attackers located?

Where was the attack identified?



DEAD DROP



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



THE UNIVERSITY OF ARIZONA

College of Applied
Science & Technology