

In the immediate aftermath of the 9/11 attacks, Embry-Riddle Prescott took on a leadership role in creating an academic program that focuses on training individuals who would become experts in Security & Intelligence domestically and abroad. That initiative has resulted in the development and implementation of highly successful bachelor's and master's degree programs in Security and Intelligence and in Cyber Intelligence and Security which are housed in the nation's first College of Security and Intelligence.

GRADUATE DEGREE PROGRAMS IN THE COLLEGE OF SECURITY AND INTELLIGENCE

- /// Master of Science in Security & Intelligence Studies
- /// Master of Science in Cyber Intelligence & Security

1st AND ONLY COLLEGE OF ITS KIND IN THE NATION

FLEXIBLE AND INDIVIDUALIZED COURSES AND PROGRAM OFFERINGS

450 UNDERGRADUATE/GRADUATE STUDENTS ENROLLED AND GROWING STRONG

97% GRADUATED AND HIRED WITHIN ONE YEAR



Dear Prospective Student,

Welcome to the world of Security and Intelligence! I commend you for your commitment to serving the national and global public interest. These times present nations across the globe with highly complex challenges.

Dr. Haass was appointed to the State of Arizona Governor's Council to join the Arizona Cybersecurity Team. He is also an Advisory Board member of Arizona Cyber Threat Response Alliance. His research interests focus on security for Internet of Things, Threat Intelligence, and AI applied to Intrusion Detection.

Dr. Jon Haass

Interim Dean of the College of Security and Intelligence
Ph.D. in Mathematics
from Massachusetts Institute of Technology

SCHOLARSHIPS AND ASSISTANTSHIPS

Scholarships and assistantships are competitive. However, many graduate students are able to fund a portion of their education through a combination of a scholarship, an assistantship, and work study. Our excellent connections with corporations and government agencies can also result in project-based funding.

ACADEMIC FACTS

7:1 STUDENT TO FACULTY RATIO

Our faculty and curriculum are balanced between academic and professional training; many of our faculty members are scholars with doctoral degrees and active research agendas, while others bring decades of experience as security professionals in the government and/or private sector

NETWORKING EVENTS

8 THROUGHOUT THE YEAR

- Fall and Spring Career Expo
- Distinguished Speaker Series
- Student-organized off-Campus Socials (Open only to graduate students and faculty)

LOCATION FACTS

539 ACRE CAMPUS

- Elevation 5,350 ft. in the Bradshaw Mountains; natural beauty and outdoor adventure all around
- 50-mile Prescott Circle Trail goes through campus
- Easy air access to Los Angeles and Denver. Phoenix and the Grand Canyon are only two hours away. The beautiful red rock city of Sedona can be reached in a little over an hour.

MILITARY AND VETERAN FRIENDLY CAMPUS



MASTER OF SCIENCE IN SECURITY AND INTELLIGENCE STUDIES

What You Bring to the Table

Students in this master’s program have varied backgrounds. While we accept applications from all majors, most common are students with a major in political science, law, international affairs, modern languages, homeland security, criminal justice, and history.

Here are some other characteristics that you will find among our students:

- Commitment to keeping country and its citizens secure and safe
- Interest in the psychology of criminals and terrorists
- Passion for research and analysis
- Cultural curiosity
- Fascination with information gathering technology and techniques

Areas of Concentration

The degree program provides an opportunity to explore both theoretical and practical knowledge within security and intelligence disciplines. Students choose from two areas of concentration to give their studies focus and depth: Intelligence or Security, or Security and Intelligence.

INTELLIGENCE AREA OF CONCENTRATION provides targeted study in intelligence analysis and practice (domestic and foreign), international affairs, world cultures, as well as counterterrorism and counterintelligence.

SECURITY AREA OF CONCENTRATION provides targeted study in all aspects of integrated security studies including corporate security (domestic and international), physical and emergency security management, investigations, and advanced counterintelligence.



Meet the MSSIS Graduate Program Coordinator

Dr. Tyrone Groh

Graduate Program Coordinator MSSIS
Ph.D. in Government from Georgetown University

Dr. Groh is a retired U.S. Air Force officer with over 21 years of service. He flew F-16s for over 10 years and participated in different overseas contingency operations throughout the world. More recently, Dr. Groh commanded a squadron of remotely piloted aircraft (aka. drones) in support of Operation Enduring Freedom. His research interests focus on the link between strategy, policy, and unconventional warfare. He is currently working on a book about proxy war as a form of foreign policy.





Employment Outlook

Employment of security and intelligence professionals is expected to see strong growth in coming years. Job growth will occur as emphasis on crime prevention and national security increases.

Outcomes

Employers who have hired our graduates include several agencies within the Intelligence Community, state intelligence agencies, military intelligence and security commands, national and multinational corporations (GE, Amazon, Uber, Google, etc.), as well as private companies such as Pinkerton Security and BSI Supply Chain Services and Solutions.

ACCORDING TO GLASSDOOR,
JUNIOR INTEL ANALYSTS MAKE
\$61k ON AVERAGE

TOP COMPANIES
CONNECT WITH TOP STUDENTS



Meet the Department Chair Dr. Thomas Field

Chair, Department of Global Security and Intelligence Studies
Ph.D. in International History from the London School
of Economics and Political Science

Dr. Field, author of *From Development to Dictatorship*, specializes in the history of development and covert operations, especially in the context of U.S.-Latin American relations.

What Our Alumni & Current Students Have to Say

“I really appreciate the accessibility of professors and faculty within the MSSIS program. Not only can I seek out their expertise on academic and professional matters, but I have the opportunity to build personal relationships with them as well.
— KARISSA '18

For my internship I worked with the Arizona Criminal Justice Commission with their Statistical Analysis Center and published several crime sheet reports across the state of Arizona.
— ROSA '17

TAKE A CLOSER LOOK

MASTER OF SCIENCE IN CYBER INTELLIGENCE AND SECURITY

What You Bring to the Table

The Master of Science in Cyber Intelligence and Security (MSCIS) is interdisciplinary with opportunities for students with a regionally accredited baccalaureate degree in computer science, engineering, math, physics, or a related technical discipline. Prospective students need to have some background in programming, computing, and networking, or the ability and interest to quickly learn these fields.

What You Will Learn

Our MSCIS program builds on the remarkable success of our BSCIS program which is in candidacy for both NSA CAE designation and ABET-Cyber accreditation. The MSCIS program has been developed in consultation with our industry advisory board and is cutting-edge and industry-oriented. As a member of National CyberWatch Center and CyberWatch West, we ensure the quality and content of our curriculum remains current and follows best practices for rigor and assessment. The MSCIS students are given high-tech, hands-on opportunities to engage with latest technological advances and develop their knowledge and skillset. Example latest technological areas include: Penetration testing and ethical hacking; malware and threat intelligence analysis; digital forensics; cyber data science; Internet of Things (IoT) and Cyber-Physical System (CPS) security; aviation and connected vehicle cyber security. Graduates of the MSCIS program will have core technical background and program management skills to advance their careers and become leaders in cyber intelligence and security.

Certifications

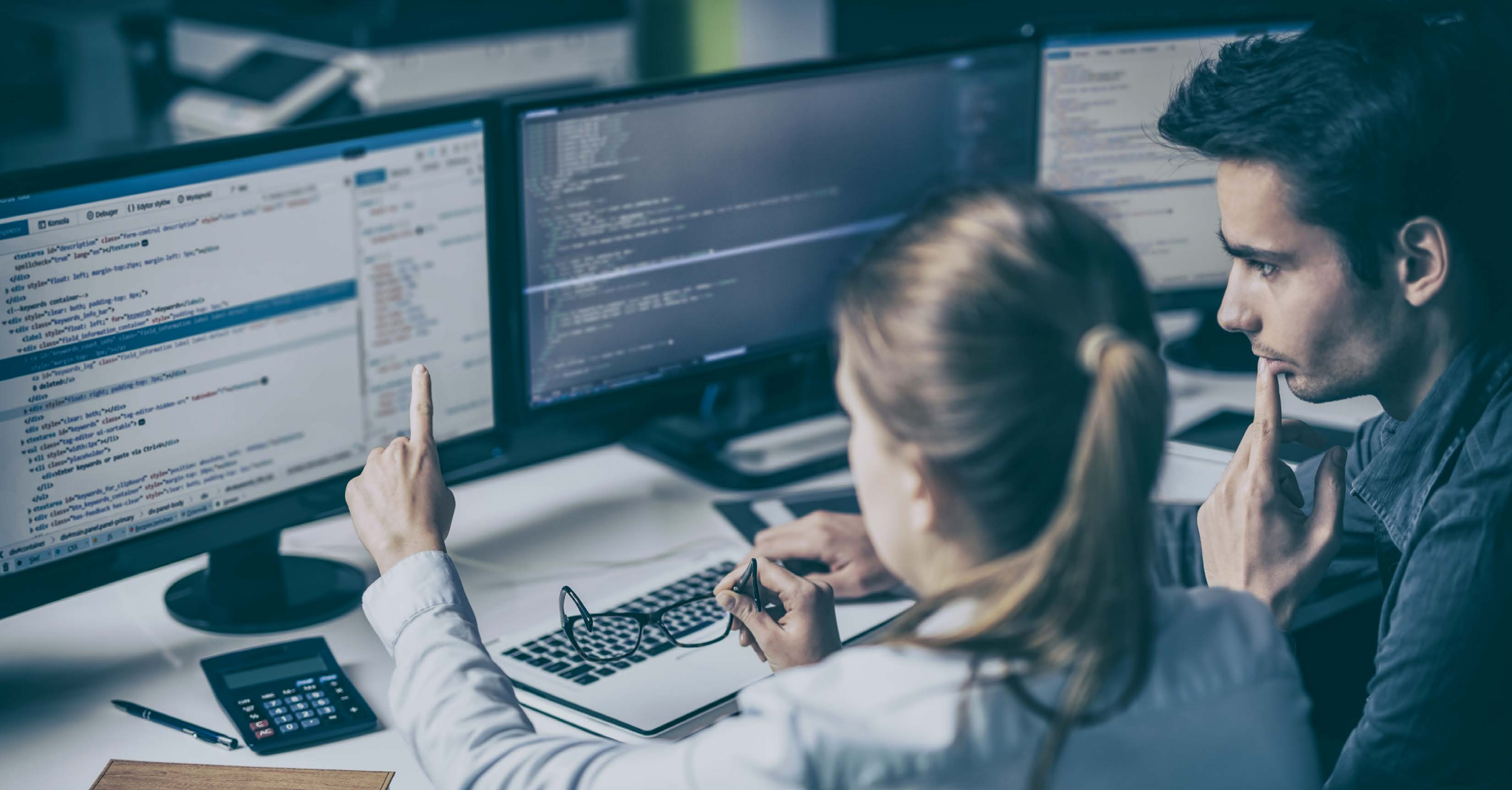
The MSCIS prepares its students for cyber certifications sought after by the industry and government. Such as:

- /// CEH (Certified Ethical Hacker)
- /// CISSP (Certified Information Systems Security Professional)
- /// OSCP (Offensive Security Certified Professional)

In addition, MSCIS students are provided free access to industry certification training materials and exams, such as Juniper Networks certifications.

prescott.erau.edu/cyber





\$100k

EARNINGS POTENTIAL

28%

FASTER JOB GROWTH THAN
NATIONAL AVERAGE

Employment Outlook

In the wake of increasing computer breaches and trillions of dollars in damage, the need for cybersecurity professionals is likely to increase 18 percent by 2024, says the U.S. Bureau of Labor Statistics. Companies in financial industry and high technology are being joined by retail, manufacturing, utilities and other critical infrastructure sectors in their hiring of cyber intelligence and security type master’s graduates.

Currently the shortfall for students with a master’s degree in this field exceeds 2,000 annually. This is almost 100% more than the current nationwide production. The Bureau of Labor Statistics indicates this shortfall will widen in the coming decade. In the Phoenix Metro Area alone there is currently a need of over 500 master’s level cyber intelligence and security professionals in the areas of analysis, operations, and investigations. Nearby California has over 1,500 openings suitable for graduates from the MSCIS program.

The U.S. government and the U.S. Department of Defense continues to invest heavily in growing the cybersecurity workforce. The National Initiative for Cybersecurity Careers and Studies, funded by the Department of Homeland Security has developed a workforce framework to assist students, workers, higher educational institutions and businesses in professionalizing the field.

Outcomes

All of our Bachelor of Science in Cyber Intelligence and Security have been employed in leading companies or government agencies within months of graduation. We are optimistic that successful graduates of the master’s program will experience the same level of success and can anticipate a starting annual salary of up to \$100,000.



Meet the Department Chair
Dr. Krishna Sampigethaya

Chair, Department Cyber Intelligence and Security
Ph.D. in Electronic Engineering from University of Washington

Dr. Sampigethaya has over a decade of industry cyber security R&D experience, contributing pioneering award-winning work in aviation cyber security research. His current research interests include investigating challenging cyber security and privacy problems of aviation and aerospace. He is also interested in the security and privacy of cyber-physical system related advances, such as software-defined networks, IoT, smart buildings, connected vehicles, and urban air mobility.

ACADEMIC DISTINCTIONS

MASTER OF SCIENCE IN SECURITY AND INTELLIGENCE STUDIES

- /// Embry-Riddle founded the nation's first College of Security and Intelligence
- /// Students gain from one-on-one collaboration with their professors for practical exercises, classroom studies and field training
- /// With an emphasis on reading and writing, students graduate with a comprehensive background and understanding of historical and political events which is crucial for completing effective assessments and analyses of conflicts and emergency situations
- /// Study abroad programs offer once-in-a-lifetime opportunities to experience security and intelligence studies within a worldly context in destinations such as China, India, England, Pakistan, Israel and more
- /// Innovation and research are encouraged. Before graduating, students have the option to develop an experimental research project or traditional thesis on a subject of their choosing and pertaining to their unique skill sets and interest

MASTER OF SCIENCE IN CYBER INTELLIGENCE AND SECURITY

- /// Embry-Riddle is a founding member of the Arizona Cyber Threat Response Alliance (ACTRA), a threat intelligence and information sharing and analysis organization that has become a model across the nation
- /// The Cyber Intelligence and Security advisory board includes leading industry and government members. The members will assure that academic and training programs are created and improved in response to real needs in the ever-changing corporate and public environment
- /// Our position as a member of the Arizona Cybersecurity Workforce Collaborative has opened the doors to hundreds of opportunities for graduates with regional and national companies. This will allow the students to work closely with potential sponsoring institutions while gaining valuable experience and training
- /// Embry-Riddle has its own state-of-the-art Cyber Lab and an upcoming Cyber Warfare Range that provides advanced capabilities to students
- /// One of a kind curriculum that can support ABET-Cyber and NSA CAE standards

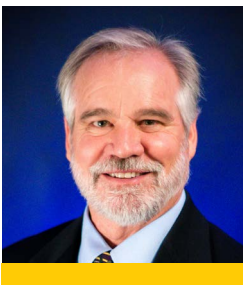


RECENT DISTINGUISHED SPEAKERS

- FRANK ARCHIBALD**
Former director of the CIA's National Clandestine Service. His 31 years of CIA service included assignments in Latin America, Africa, the Balkans, Southeast and Southwest Asia.
- WENDY J. CHAMBERLIN**
Ambassador (ret.) Wendy Chamberlin has been president of the Middle East Institute since 2007. A 29-year veteran of the U.S. Foreign Service, she was ambassador to Pakistan from 2001 to 2002.
- YAËL EISENSTAT**
Ms. Eisenstat is a thought leader in the global political, social and security space, having spent 17 years as a CIA analyst, a national security advisor to Vice President Biden, a diplomat, and the senior intelligence officer at the National Counterterrorism Center.
- LARRY P. GOODSON, PH.D.**
Dr. Larry P. Goodson holds the General Dwight D. Eisenhower Chair of National Security at the U.S. Army War College, where he serves as Professor of Middle East Studies.

- LINDA R. MEDLER**
General Medler is the chief information security officer at Raytheon Missile Systems in Tucson Arizona, and retired brigadier general with the US Air Force.
- GREG RICE**
Greg Rice is a Research Group Manager for the Cyber Systems research team in the Advanced Technology at Collins Aerospace. The title of his talk was "Securing Future Aircraft" during which he provided the perspective from the private sector.
- KENNETH WILLIAMS**
Kenneth Williams is a Phoenix FBI Special Agent and author of the "Phoenix Memo."
- BRUCE SCHNEIER**
Bruce Schneier is an internationally renowned security technologist and CTO of IBM Resilient. He talked about how computer security is no longer only about data, but also life and property.
- PETER SKAVES**
A FAA's Chief Scientific and Technical Advisor for Advanced Avionics, including cyber security issues.

OUR FACULTY



DR. JON HAASS
Interim Dean, College of Security & Intelligence
Ph.D. in Mathematics from Massachusetts Institute of Technology

Dr. Haass was appointed to the State of Arizona Governor's Council to join the Arizona Cybersecurity Team. He is also an Advisory Board member of Arizona Cyber Threat Response Alliance. His research interests focus on security for Internet of Things, Threat Intelligence, and AI applied to Intrusion Detection.



DR. THOMAS FIELD
Chair, Department Global Security and Intelligence Studies
Ph.D. in International History from the London School of Economics and Political Science

Dr. Field, author of From Development to Dictatorship, specializes in the history of development and covert operations, especially in the context of U.S.-Latin American relations.



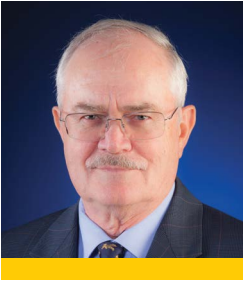
DR. KRISHNA SAMPIGETHAYA
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Ph.D. in Electrical Engineering from University of Washington

Dr. Sampigethaya has over a decade of industry cyber security R&D experience, contributing pioneering award-winning work in aviation cyber security research. His current research interests include investigating challenging cyber security and privacy problems of manned and unmanned aircraft. He is also interested in the security and privacy of cyber-physical system related advances, such as software-defined networks, IoT, smart buildings, connected vehicles, and urban air mobility.



DR. BROOKE SHANNON
Associate Chair, Department of Global Security & Intelligence
Ph.D. in Information Science and Learning Technology from University of Missouri at Columbia

Dr. Shannon is an expert in epistemology and analysis and author of a number of papers on intelligence education and information practices. Dr. Shannon was previously an analyst at the National Air and Space Intelligence Center and has received her college's best and most innovative teacher awards.



DR. PHILIP JONES
Founding Dean, College of Security & Intelligence
Ph.D. in International Relations from The Fletcher School at Tufts University

Dr. Jones served as an intelligence analyst with the CIA. He later worked on development projects with the World Bank and US multinational corporations in the energy sector. He is author of The Pakistan Peoples Party: Rise to Power.



DALE AVERY
M.A. in Economics from University of Michigan System: Ann Arbor

Professor Avery was chief evaluator of intelligence analysis for the Office of the Director of National Intelligence, overseeing all agencies of the Intelligence Community.



DR. J. FURMAN DANIEL, III
PhD in Government from Georgetown University

Dr. Daniel is the editor of the recent U.S. Naval Institute book 21st Century Patton: Strategic Insights for the Modern Era. His research focuses on the nexus of international relations, political theory, and military history.



DR. DOUG EVANS
Ph.D. in Organization Development from Benedictine University

Dr. Evans is a Registered Professional Engineer in the State of Illinois and a Certified Protection Professional (CPP) with ASIS. Dr. Evans' previous careers included commercial nuclear power and the United States Navy. In addition to his doctorate, Dr. Evans holds a B.S. in Aeronautical and Astronautical Engineering and a Master's Degree in Business Administration. He joined the Embry-Riddle faculty in 2019.



THOMAS FOLEY
J.D. in Law from Indiana University at Bloomington

Professor Foley is a former attorney and former security operations center supervisor at Bank One Corporation. Professor Foley's research interests concentrate on active shooter events and physical security in schools. In 2017, the College of Security and Intelligence at the Prescott Campus received a \$769,890 grant from the National Institute of Justice with Professor Foley as Principal Investigator, titled "Identifying Cost-Effective Security Barrier Technologies for K-12 Schools: An Interdisciplinary Evaluation".



DR. TYRONE GROH
Graduate Program Coordinator MSSIS
Ph.D. in Government from Georgetown University

Dr. Groh is a retired U.S. Air Force officer with over 21 years of service. He flew F-16s for over 10 years and participated in different overseas contingency operations throughout the world. More recently, Dr. Groh commanded a squadron of remotely piloted aircraft (aka. drones) in support of Operation Enduring Freedom. His research interests focus on the link between strategy, policy, and unconventional warfare. He is currently working on a book about proxy war as a form of foreign policy.



MURRAY HENNER
J.D. in Law from Western New England University
LL.M. in International Law from Hofstra University

Professor Henner's special areas of research are in International Intelligence Law and European Legal Revisionism. He is fluent in German and Flemish and has authored over 40 journal articles and seven books.



STEVEN HOOPER
M.A. in Criminal Justice from St. Joseph's University

Professor Hooper's 30+ years of experience with the FBI which includes the Head of Counterintelligence, Intelligence and Counterterrorism gives him a deep understanding of the United States Intelligence Community and its role in national security.



DR. GEOFFREY JENSEN
Ph.D. in History from University of Arkansas at Fayetteville

Dr. Jensen published his first book, The Routledge Handbook of the History of Race and the American Military in 2016. It is an edited volume comprised of 20 articles. Currently, Dr. Jensen is exploring aspects of race, gender, the environment, and politics during the American war in Vietnam for another edited volume, Beyond the Quagmire. Additionally, Dr. Jensen is conducting research on a monograph exploring the trials and tribulations of African American armored soldiers during World War II.



KAREN MEUNIER
M.S. in Criminal Justice from Boston University

Professor Meunier previously served as Director of Investigations with the Office of the Inspector General in Washington, D.C. where she investigated crimes committed by government employees and government contractors. During her 24-year career in law enforcement she also headed the narcotic division and sex crimes investigations as a police officer. Her area of interest while at ERAU is to advance research for stronger evidence-based police practices.



REGINALD P. PARKER
C.A.S. and M.S. in Instructional Design and Industrial & Labor Relations from Syracuse University

Professor Parker's research explores international supply chain security intelligence and structured program management. His focus on risk/threat analysis to corporate intellectual property (IP) includes developing control methodologies to enhance Brand Protection, loss prevention and anti-counterfeit initiatives. He has worked for GE, Motorola, STERIS and NXP Semiconductors in managerial roles.



DR. SAEED RAJPUT
Ph.D. in Electrical Engineering from University of Southern California

Dr. Rajput holds three patents and held senior security related positions in several companies, including Racal Datacom. Dr. Rajput has also lectured at University of Miami and at Florida Atlantic University and retired as full Computer Science professor from Nova Southeastern University in 2017. While also having taught at several universities abroad, Dr. Rajput has two decades of diverse product development experience. Currently, Dr. Rajput is serving as Chief Science Officer at Cloutel LLC, Denver.

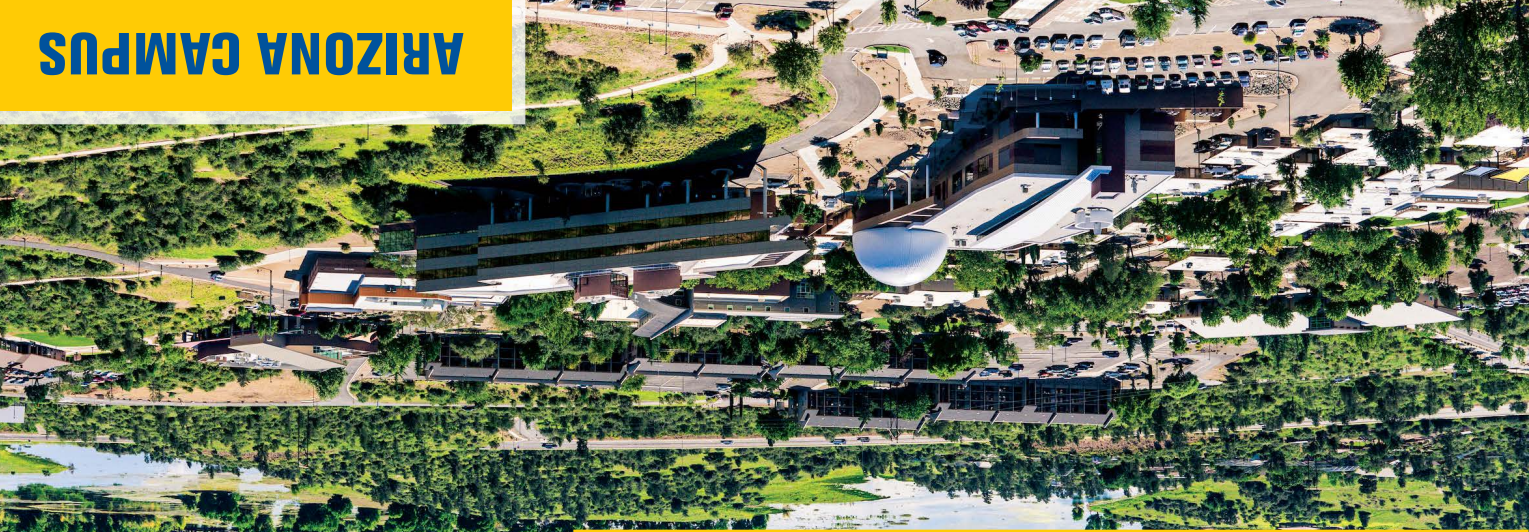
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

LAUNCH

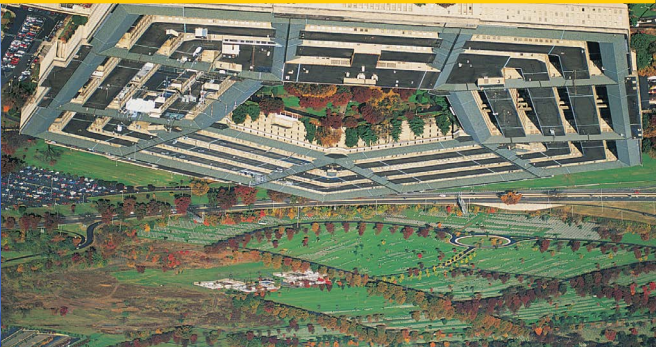
GRADUATE PROGRAMS



ARIZONA CAMPUS



Master of Science in Security and Intelligence Studies
Master of Science in Cyber Intelligence and Security



NEXT STEPS

EMBRY-RIDDLE
Aeronautical University
PRESCOTT, ARIZONA

3700 Willow Creek Road, Prescott, AZ 86301

928.777.6600 or 800.888.3728

www.prescott.erau.edu

CONTACT US

Getting in touch with us is easy!

Call 800-888-3728 or

email us at prescottgradinfo@erau.edu

Check out our website prescott.erau.edu

HOW TO APPLY

A complete application for domestic students consists of the following:

- Application form
- Resume
- Statement of goals and objectives
- 3 letters of recommendation
- Official transcripts from all colleges attended prior to Embry-Riddle
- Submitting GRE scores is optional

Contact us to get the application fee waiver code!

File your FAFSA at WWW.FAFSA.ED.GOV

Our school code on the FAFSA is 001479

Scholarships and Graduate Assistantships are available.

Contact us for more information!

International students whose primary language is not English need to submit

1. Proof of English language proficiency (79 on the iBT TOEFL or 6 on the IELTS). English language training is available at the Embry-Riddle Language Institute for many students not meeting the minimum TOEFL or IELTS scores.
2. Foreign credential evaluation. If your bachelor's degree is from a university that is not regionally accredited with the Higher Learning Commission in the United States, you will need to have your transcripts evaluated by a third party agency such as WES, ECE, or AACRAO.
3. Proof of funding is required for the first year of study.

VISIT US!

Tour the campus! Meet with admissions! Meet with faculty!

Talk to Financial Aid! Sit in on a class!

Email prescottgradinfo@erau.edu to schedule a "graduate campus tour" or call 800-888-3728

APPLY NOW!

INTERNATIONAL STUDENTS