

After the attacks of September 11, 2001, Embry-Riddle Prescott took on a leadership role in creating an academic program that focuses on training individuals who would become experts in counterterrorism and in counterintelligence 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 and Intelligence Studies
- ▶ Master of Science in Cyber Intelligence and Security

1st AND ONLY

COLLEGE OF ITS KIND IN THE NATION

FLEXIBLE

COURSE AND PROGRAM OFFERINGS

450

UNDERGRADUATE/GRADUATE STUDENTS ENROLLED AND GROWING STRONG

95%

GRADUATES HIRED IN FIELD 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.

In the College of Security and Intelligence we will do our best to prepare you for successful and outstanding careers in the public, private and non-profit sectors. This will require commitment on your part as well, though, and most importantly a hunger for knowledge and the willingness to "grab the bull by its horns."

Dr. Philip Jones

Founding Dean of the College of Security and Intelligence

Ph.D. in International Relations
from The Fletcher School
at Tufts University

ACADEMIC FACTS

14 AVERAGE CLASS SIZE

Student to Faculty Ratio 17:1

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 safety professionals in the government and/or private sector

STUDENT FACTS

40 APPROXIMATE # GRAD STUDENTS

37% Veterans

35% Women

30: Average age of student

NETWORKING EVENTS

8 THROUGHOUT THE YEAR

Fall Career and Industry Expo

Spring College of Security and Intelligence Career Fair

National Security and Intelligence Symposium

Cyber Symposium

Distinguished Speaker Series

Distinguished Speaker Luncheons

Off-Campus Socials

Receptions with the Embry-Riddle Prescott Chancellor, Dr. Frank Ayers, and his wife, Deborah Ayers

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, Las Vegas; two hours away are Phoenix, Flagstaff, Grand Canyon and Sedona

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
- Passion for research and analysis
- Fascination with information gathering technology and techniques
- Interest in the psychology of criminals and terrorists
- Cultural curiosity
- Foreign language(s) proficiency

What You Will Learn

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.

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.



REQUEST MORE
INFORMATION





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.

\$78k

AVERAGE SALARY

TOP COMPANIES

CONNECT WITH TOP ERAU TALENT



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 O. '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 V. '17

MASTER OF SCIENCE IN CYBER INTELLIGENCE AND SECURITY

What You Bring to the Table

The Master of Science in Cyber Intelligence and Security is interdisciplinary with opportunities for students with undergraduate degrees in math, computer science, software engineering or cyber intelligence and security. Prospective students need to be able to program in Python or in Java, or have an interest in quickly learning and mastering it.

What You Will Learn

Our curriculum will follow the recommendations of the National Security Agency and the Department of Homeland Security, jointly sponsored National Centers of Academic Excellence in Cyber Defense, bringing us into the company of the top academic programs around the country. As a member of Cyberwatch and Cyberwatch West, our department will ensure that the quality of the curriculum and teaching materials remain current and are following best practices for rigor and assessment.

Upon completing the degree program, students will have acquired these advanced skills:

- Demonstrate proficiency in assessing enterprise security risk for both hardware, software and policy level systems
- Demonstrate proficiency in the recommendation for deployment of solutions to mitigate, manage, monitor threats to identified systems, hardware and software
- Ability to apply learning and demonstrate critical thinking across multiple domains as outlined in the industry standard knowledge areas, such as access control, security architecture and design, network security and software development security.



REQUEST MORE
INFORMATION





\$100k

AVERAGE STARTING SALARY

28%

FASTER JOB GROWTH THAN
NATIONAL AVERAGE

Employment Outlook

Information security analysts are among the top 20 fastest growing occupations in the U.S. The field of cybersecurity is projected to grow 28% faster between 2016-2026 compared to the national average, 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 to combat increasing computer breaches and trillions of dollars in damage.

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 including the 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 salary in the range of \$100,000 annually.



Meet the Department Chair

Dr. Jon Haass

Founding Faculty and Chair, Department Cyber Intelligence and Security
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.

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, government, and academic 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
- ▶ The Department of Cyber Intelligence and Security has formed important industry relations with Arizona and national organizations and companies that will guide and support our program
- ▶ 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



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.

DAVID C. ISBY

David C. Isby is a veteran observer of Afghanistan and Afghan wars. He is the author of four books on Afghanistan.

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.

RONALD E. NEUMANN

Ambassador (ret.) Neumann is the President of the American Academy of Diplomacy. Formerly he was a Deputy Assistant Secretary of State and served three times as Ambassador; to Algeria, Bahrain and finally to Afghanistan from July 2005 to April 2007.

KENNETH WILLIAMS

Kenneth Williams is a Phoenix FBI Special Agent and author of the "Phoenix Memo."

OUR FACULTY



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*.



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.



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.



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. JON HAASS

Founding Faculty and Chair, Department of Cyber Intelligence and Security
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. GEOFFREY JENSEN

Ph.D. in History from University of Arkansas at Fayetteville

A War and Society specialist, Jensen's research focuses on the confluence of race, gender, liberal reform efforts, the Cold War, and the American military. His first book, *The Routledge Handbook of the History of Race and the American Military* (2016), is an edited volume comprising of twenty articles exploring various aspects of race and the American military. He is currently at work with a colleague on an edited volume (*Beyond the Quagmire*) exploring aspects of race, gender, the environment, and politics during the American war in Vietnam.



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. JESSE LAEUCHLI

Ph.D. in Computer Science from College of William and Mary

Prior to joining the faculty, Dr. Laeuchli worked with government agencies on large scale problems associated with networks and high performance computing. Recent work was presented at Society of Industrial and Applied Mathematics Conference on Iterative Methods. Additional interests include challenges associated with graph theory, linear solvers, and related applications to data mining and machine learning.



DR. JUNAID CHAUDHRY

Ph.D. in Computer Science from Ajou University

After completing his Ph.D., Dr. Chaudhry obtained training at Harvard Business School, University of Amsterdam, and at Kaspersky Research Lab in cyber resilience and threat hunting. He has authored three books and 85+ research papers on cyber. He is a practicing engineer and a member of a variety of international professional associations related to cyber security, among them the High Technology Crime Investigation Association. His research interests are in critical infrastructure protection and network forensics.



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.



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.



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.



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. KRISHNA SAMPIGETHAYA

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. TYRONE GROH

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.



DR. BROOKE SHANNON

Ph.D. in Information Science and Learning Technology from University of Missouri at Columbia

Dr. Shannon's research focuses primarily on knowledge and information practices and includes a regional interest in East Africa, primarily Kenya. She is investigating a range of research methodologies, including discourse analysis, phenomenology, and hermeneutical analysis. Dr. Shannon's most recent publication was "Storing and Sharing Traditional Knowledge in the Library."

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

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

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

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PRESCOTT, ARIZONA

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