

# YOUR WINGS ALREADY EXIST. ALL YOU HAVE TO DO IS FLY.

FALL COMMENCEMENT INCLUDES GRADUATES FROM ARIZONA AND WORLDWIDE CAMPUSES

**DECEMBER 14, 2019** 

## COMMENCEMENT CEREMONY

#### **COMMISSIONING CEREMONIES**

Col Jon F. Berry, U.S. Air Force CPT Jeremy T. Johnson, U.S. Army

#### **PRESENTATION OF AWARDS**

Dr. Rhondie L. Voorhees Dean of Students

#### **PRESENTATION OF DIPLOMAS**

Dr. M. Kathleen B. Lustyk, Dean College of Arts & Sciences

> Dr. Timothy B. Holt, Dean College of Aviation

Dr. Ronald A. Madler, Dean College of Engineering

Dr. Jon Haass, Dean College of Security & Intelligence

Mr. William J. Muldoon, Vice Chancellor Campus Operations, Worldwide Campus

#### **PRESENTATION OF CLASS**

Dr. Rhonda Capron Vice Chancellor for Academic Affairs

#### **CONFERRING OF DEGREES**

Mr. David L. Robertson Member, Board of Trustees

#### **ALMA MATER**

The Altitunes

#### **BENEDICTION**

Ms. Sarah M. Olmos Class of 2019

#### RECESSIONAL

Radetzky's March

#### MASTER OF CEREMONIES

Ms. Michelle M. Day Director, Alumni Engagement, Western Region

#### **GRADUATE PROCESSIONAL**

Pomp and Circumstance

#### FACULTY PROCESSIONAL

Tomaso Albinoni Concertó a Cinque

#### **POSTING OF COLORS**

Air Force and Army ROTC Color Guard

#### NATIONAL ANTHEM

Ms. Julianita J. Gallegos Class of 2019

Ms. Oluwaseyi F. Olusa Class of 2019

#### INVOCATION

Ms. Salma Benitez Class of 2019

#### WELCOME

Dr. Anette M. Karlsson, Chancellor

#### **INTRODUCTION OF COMMENCEMENT SPEAKER**

Dr. P. Barry Butler President

#### **COMMENCEMENT ADDRESS**

Representative Arlando S. Teller State Representative, Legislative District 7 Arizona House of Representatives and Embry-Riddle Aeronautical University Prescott Alumnus ('95), Aviation Business Administration

#### **GRADUATING CLASS SPEAKER**

Mr. Jacob S. Stites Class of 2019

# ASSOCIATE CANDIDATES

COLLEGE OF ARTS & SCIENCES

Associate of Science in Logistics & Supply Chain Management

Richard Isaac Rios, Buckeye, Arizona

Associate of Science in Technical Management Brian Lamont Armstrong, Burleson, Texas

COLLEGE OF AVIATION

Associate of Science in Aeronautics Darius Corey Lane, Fort Stewart, Georgia

## UNDERGRADUATE CANDIDATES

#### **COLLEGE OF ARTS & SCIENCES**

#### **Bachelor of Science in Forensic Biology**

Nina Ann Egbalic, Las Vegas, Nevada Mackenzie Jo Rod, Tucson, Arizona

#### **Bachelor of Science in Forensic Psychology**

Jessica Lauren Embrey, Racine, Wisconsin

#### **Bachelor of Science in Project Management**

Brice D. Reider, Ridgecrest, California

#### **Bachelor of Science in Technical Management**

Lance E. Browning, Colorado Springs, Colorado Shane Gregory Davis, Murrieta, California Kelsie Danielle Gearhart, Dover, Delaware Darshele Arlette Green, Fort Worth, Texas Daniel Leon Gullett, Holloman AFB, New Mexico Andres Felipe Hudson, Jr., Atlanta, Georgia Richard A. Pelletier, II, Goodyear, Arizona Devon Patrick Powell, Visalia, California Brittany Nicole Stanfield, Pooler, Georgia

#### **Bachelor of Science in Wildlife Science**

Jacquelynn Therese Rollins, Highlands Ranch, Colorado

#### SCHOOL OF BUSINESS

#### **Bachelor of Science in Aviation Business Administration**

Taylor Nicole Clayton, Virginia Beach, Virginia Michael John Diego, Ewa Beach, Hawaii Jorge Manuel Garcia Gallardo, Mexico City, Mexico Sarah Elizabeth Graber, Phoenix, Arizona Christopher Joseph Hanson, Dubuque, Iowa Erin Marie Knox, Prescott Valley, Arizona Kelvin Maurice Russell, Union, New Jersey William John Scully, Mission Viejo, California Cindy Severance, Highlands Ranch, Colorado Wesley Shumard, Tucson, Arizona

#### **Bachelor of Science in Business Administration**

Dylan Connor Donati, *Richardson, Texas* Joshua Robert Joseph Ingalls, *Manhattan, Illinois* 

# Bachelor of Science in Forensic Accounting & Fraud Examination

Remington Cole Davis, Lake Mathews, California

#### **Bachelor of Science in Global Business**

Jordan Isaiah Brown, Chandler, Arizona Sean Little-Bull Wood, Salt River, Arizona

#### COLLEGE OF AVIATION

#### **Bachelor of Science in Aeronautical Science**

Taylor Alexander Bois, Cathedral City, California Ryan Cyrous Gilani, Rancho Palos Verdes, California Carter Monroe Goldsworthy, Peoria, Arizona Cooper Luke Largent, Fullerton, California Andrew David Mitchell, Boise, Idaho Travis Kenneth Montgerard, Lake Havasu City, Arizona Oluwaseyi Faith Olusa, Chandler, Arizona David Mathew Paradis, Chino, California Joshua Scott Rebel. San Luis Obispo, California Tyler Ryan Roeske, Irvine, California Robert Thomas Schirmer, New Fairfield, Connecticut Calvin Shum, Yorba Linda, California Natalie Arlene Smith, Windsor, California Xu Yi, Shenzhen, China Jack Dongeun Yoo, Seoul, South Korea

#### **Bachelor of Science in Aeronautics**

Stephen Lee Alcaraz Mendicino, Casa Grande, Arizona Alex Joseph Alegria, II, Clovis, New Mexico Christopher Martin Awes, Red Wing, Minnesota Dong Joon Bae, San Diego, California David James Broughton Bates, Anchorage, Alaska Buchanan B. Bleeker, Flagstaff, Arizona Jane Iris Bowery, San Diego, California Victor Andres Castillo, Miami, Florida Graceann Cornwall, San Diego, California Marcello Thomas Cromer, Lemoore, California Victor Kofi Dukuh, Greensboro, North Carolina Jack Peterson Ensor, Montrose, Colorado Brandon Keith Erekson, Arvada, Colorado Daniel Christopher Fierro, III, Burbank, California Max Liam Fitzmaurice, Encinitas, California Andrew Wayne Gott, Lancaster, California Sarah Miranda Harris, Garden City, Kansas Philip Jon Haugan, Chino Valley, Arizona Joshua Robert Humphry, Tucson, Arizona Jason Bryan Kirkman, Dayton, Texas Jeremy M. Lamm, Springfield, Tennessee Sherresa D. Lasseter, APO, AE

Jonghyeok Lim, Seattle, Washington Kathryn Grace Lim, Lancaster, California Yenliang Lin, Changhua, Taiwan Jarred Ryan McGlothlin, March ARB, California Emmanuel Millan, Paulden, Arizona Logan James Neptune, Roseburg, Oregon Breanna Cathleen Newman, Bozeman, Montana Sarah Marie Olmos, Prescott Valley, Arizona David Lee Orem, Sierra Vista, Arizona Brian Palacios, Kirtland AFB, New Mexico Brooke Elizabeth Patterson, Macomb, Michigan Peter Andrew Petropoulos, Sewanee, Tennessee Wadym Pharran, Jeddah, Saudi Arabia Mitchell Andrew Shellenberger, Goodyear, Arizona Connor Douglas Shumway, Prescott, Arizona Hayden Strait, Glendale, Arizona Kevin Robert Szymeczek, Sierra Vista, Arizona Toshitaka Tanaka, Tustin, California Dakota James Winn, Show Low, Arizona Carl Willem de Graaf, Cambridge, New York Lim Ming Zhong, Singapore

#### **Bachelor of Science in Air Traffic Management**

Julian Philip Furletti-Gilman, Darien, Connecticut Jeremy Lam, Norwalk, California Kyle Jeffrey Maciel, Hilmar, California William John Scully, Mission Viejo, California Noah MacLeod Stennett, Torrance, California

#### **Bachelor of Science in Applied Meteorology**

Nathaniel Jordan Bochenek, Lacey, Washington Elizabeth A. Gilliam, Surprise, Arizona Steven Gilliam, Queen Creek, Arizona Sang Yoon Kim, La Crescenta, California Luke Patrick O'Neill, Stephens City, Virginia Jerad T. Richardson, San Marcos, California

#### **Bachelor of Science in Unmanned Aircraft Systems**

Farjam Andy Ashrafzadeh, *El Paso, Texas* Christina Kathleen Roberts, *Wenatchee, Washington* Trevis Jordan Shiroma, *Pearl City, Hawaii* Alastair Jacob Christopher Stark, *Sevenoaks, United Kingdom* 

### UNDERGRADUATE CANDIDATES

#### COLLEGE OF ENGINEERING

#### **Bachelor of Science in Aerospace Engineering**

Walker Adema, Tucson, Arizona Jason Thomas Aronson, Queensbury, New York Ahmad Khalid Bahitham, Makkah, Saudi Arabia Daniela Marie Baroni, Trabuco Canyon, California Salma Benitez, Mexico City, Mexico Kyle Phillip Bergmann, Seabeck, Washington Ian Gregory Bigger, Ruidoso, New Mexico Evan Henry Bond, Auckland, New Zealand Corey George Bullens, Lake Stevens, Washington Cole Robert James Burkett, Prosper, Texas Andrew Blake Carlson, Coalinga, California Rachel Anne Chrisman, Norman, Oklahoma Jonathan H. Crossley, Las Vegas, Nevada Maciej Czyz, Algonquin, Illinois James Conrad Denemark, Homer Glen, Illinois Shyanna Marie Fernandez, Ewa Beach, Hawaii Austin Thomas Fischer, Seattle, Washington Jason Fung, Henderson, Nevada Daniel William Green, Santa Clarita, California Travis James Hansen, Vancouver, Washington Samuel Janoff, Missouri City, Texas Troy Alan Johnson, Prescott Valley, Arizona Braxton Walker Kendall, Renton, Washington Larson Tyrol LeDuc, Rosamond, California Cole Alexander Macklin, Flagstaff, Arizona Austin Samuel Macosky, Phoenix, Arizona Lance Ryan Mitchell, Prescott, Arizona Meaghan Elizabeth Moeller, Mesa, Arizona Rachael Lauren Monasterio, Cantonment, Florida Robert Myers, Anthem, Arizona Scott W. Noble, Porterville, California Veronica Jean Norkus, Prescott, Arizona Zachary Benjamin Ontiveros, Riverside, California Joshua Daniel Pederson, Sedalia, Colorado Chris Daniel Raatz. New Berlin. Wisconsin Saniar Rizaev. Tashkent. Uzbekistan Laura Marie Rudnik, Brookings, South Dakota Alexander Joaquin San Miguel, Los Angeles, California Madison Alorah Sartain, Kent, Washington Trace Sheerin, Goodrich, Michigan

Kevalya Ketan Sheth, *Mumbai, India* Barik Scott Smith, *San Diego, California* William Paul Smith, *Rapid City, South Dakota* Jacob Solomon Stites, *Reno, Nevada* Marshall James Thompson, *Queen Creek, Arizona* Benjamin Young Treece, *Greenville, South Carolina* Virpaul Uppal, *Anaheim, California* Morgan Bradley Valiant, *Puyallup, Washington* Preston Reed Vargecko, *Queen Creek, Arizona* Kyle Robert Walker, *Henderson, Nevada* Joseph Allyn Whipple, *Boise, Idaho* Cole Austin Zenker, *Rancho Murieta, California* Cole Richard Zink, *Damascus, Oregon* Zane Alexander Zylstra, Scottsdale, Arizona

#### **Bachelor of Science in Engineering Technology**

Brandon Borin, Spanish Fort, Alabama Rocky O. Rohr, II, Keller, Texas Kelvin Alphonsa Taylor, Jr., Lancaster, California

#### **Bachelor of Science in Mechanical Engineering**

Dylan James Benshoof, Cloudcroft, New Mexico Crystal Alexis Boggio, Tierrasanta, California Elle Amelia Carlson, Sioux Falls, South Dakota Jonathan Douglas Daniels, Huntsville, Alabama Heather Margaret Humphreys, Kelso, Washington Cameron Andrew Kurtz, Phoenix, Arizona Nicole Jamie Lopes, Kaneohe, Hawaii Chloe Katalyta McBride, Boerne, Texas Justin Xavier White, Lufkin, Texas Yoav Zimron, Hometown, Israel

#### **Bachelor of Science in Software Engineering**

Yen-Hung Lai, Fangliao Township, Taiwan

#### COLLEGE OF SECURITY & INTELLIGENCE

### Bachelor of Science in Cyber Intelligence & Security

Hamdan Hazza Alradda Zaitoun Almuhairi, Abu Dhabi, United Arab Emirates Conner Edward Freeland, Chandler, Arizona Jacob Alexander Henry, Reno, Nevada Brian Santana, San Diego, California Dustin Jordan Tabangcura, San Jose, California Jessica Linda Wilson, Renton, Washington

#### **Bachelor of Science in Emergency Services**

James S. Huang, South Pasadena, California

# Bachelor of Science in Global Security & Intelligence Studies

Caitlyn Nicole Aaron, Flower Mound, Texas Christopher Adams, Albuquerque, New Mexico Sultan Matar Al Ameemi, Abu Dhabi, United Arab Emirates Alhazmi Hadef Alameri, Sr., Abu Dhabi, United Arab Emirates Christian Dennis Allen, Rockwall, Texas Saif Mubarak Alshamsi, Sr., Abu Dhabi, United Arab Emirates Salem Mohamed Alyileili, Sr., Abu Dhabi, United Arab Emirates Jarod Christopher David Bleiweiss, Issaquah, Washington Joshua Wyatt Chandley, Scottsdale, Arizona Zachary Charles Coffee, Denver, Colorado Carlton Deangelo Dorrough, Jasper, Alabama Julianita Jessica Gallegos, Rio Rancho, New Mexico Taylor Ann Hardy, New York Mills, New York Anika Yasmin Iranpour, Peoria, Arizona Robert B. Lundgren, Prescott, Arizona Abdullah Samir Mandhour, Riyadh, Saudi Arabia Alexis Padden, Addison, Texas Cade Mitchell Seely, Phoenix, Arizona

## GRADUATE CANDIDATES

#### **COLLEGE OF ARTS & SCIENCES**

# Master of Science in Business Administration in Aviation

Justin James Crowley, Jacksonville, Florida Christopher Andrew Da Silva, Henderson, Nevada Farbod Ghaemi Tehrani, Los Angeles, California James Neely, Apache Junction, Arizona Stephen Nwibani, Lewisville, Texas Javier Max Peyrat, Flower Mound, Texas Kurt Edward Schultz, Jr., Mesa, Arizona Nathan Daniel Trujillo, Montrose, Colorado Jorge Antonio Valle-Hernandez, Mesa, Arizona

#### **Master of Science in Engineering Management**

Zachary Poulton, Denver, Colorado Benjamin W. Timbrook, Gilbert, Arizona Sophia M. Villagrasa, Lancaster, California

#### **Master of Science in Human Factors**

Mohammed Shameel Imroz, Doha, Qatar Phillip Dean Shroyer, Jr., Tucson, Arizona

#### Master of Science in Logistics & Supply Chain Management

Ricardo Acevedo Rivera, Tucson, Arizona Aida Bangre, Fountain, Colorado Ramchan Boodram, Jamaica, New York Peter Joseph Casey, San Diego, California Blair Allen Koolick, Gilbert, Arizona Michael Hunter Layton, Mesa, Arizona Brianna M. Ozuna, Southern Pines, North Carolina James J. Weber, Holly Hill, Florida

#### **Master of Science in Management**

Tamara Hall Skaggs, New Braunfels, Texas Nathan Daniel Trujillo, Montrose, Colorado

### Master of Science in Management Information Systems

Antonio Garcia, Buckeye, Arizona

#### Master of Science in Occupational Safety Management

Abraham Avedis Avedikian, San Pablo, California Reynaldo Humberto Caraveo, Waddell, Arizona Ronald Nunez-Rupert, El Paso, Texas

#### **Master of Science in Project Management**

Luis J. De Jesús Rivera, Santa Isabel, Puerto Rico

#### COLLEGE OF AVIATION

#### **Master of Science in Aeronautics**

Solomon Poni Ka'awaloa, Jr., Prescott Valley, Arizona Rene Rico Baluyot Moneza, Lancaster, California Frederick Anthony Yepes, Fleming Island, Florida

#### **Master of Science in Aviation Maintenance**

Christopher J. Raines, Marana, Arizona

#### Master of Science in Safety Science

Abdulaziz Mohammed Babukur, Jeddah, Saudi Arabia Tracy Lynn Costell, Buckeye, Arizona Steve Havelock Robinson, Prescott, Arizona

#### Master of Science in Unmanned Systems

Kevin A. Arburtha, Oklahoma City, Oklahoma

#### COLLEGE OF ENGINEERING

Master of Science in Systems Engineering

Lesley Ekue Ngwe Neh, Bellevue, Washington

#### **COLLEGE OF SECURITY & INTELLIGENCE**

#### Master of Science in Cybersecurity Management & Policy

Joseph Michael Hooper, Cave Creek, Arizona Anar Patel Kanwar, Phoenix, Arizona Ronald C. Mananquil, Syracuse, Utah

#### Master of Science in Information Security & Assurance

Garrett James Werner, Fort Worth, Texas

#### Master of Science in Security & Intelligence Studies

Alexander Casas, Gilbert, Arizona Shelby M. Daniels, Murrieta, California Aymee Leigh Fremont, Port Orange, Florida

## COMMISSIONED OFFICERS

#### U.S. AIR FORCE COMMISSIONED SECOND LIEUTENANT OFFICERS

2d Lt Walker Adema 2d Lt Nathaniel Jordan Bochenek 2d Lt Cole Robert James Burkett 2d Lt James Conrad Denemark 2d Lt Austin Thomas Fischer 2d Lt Jason Fung 2d Lt Elizabeth A. Gilliam 2d Lt Steven Gilliam 2d Lt Steven Gilliam 2d Lt Joshua Robert Humphry 2d Lt Robert Myers 2d Lt Luke Patrick O'Neill

### U.S. ARMY COMMISSIONED SECOND LIEUTENANT OFFICERS

- 2LT Dylan James Benshoof 2LT Chris Daniel Raatz 2LT Connor Douglas Shumway
- 2LT Joseph Allyn Whipple

2d Lt Laura Marie Rudnik

2d Lt Joshua Daniel Pederson

- 2d Lt Brian Santana
- 2d Lt Trace Sheerin
- 2d Lt William Paul Smith
- 2d Lt Marshall James Thompson
- 2d Lt Zane Alexander Zylstra

# ACADEMIC HONORS

#### UNDERGRADUATE

Recognition of academic excellence is awarded to those students completing a baccalaureate program with at least 45 Embry-Riddle credit hours. The graduation honors level is calculated on the Cumulative Grade Point Average for all courses taken at Embry-Riddle. Candidates who currently possess a cumulative grade point average of 3.50 or higher are recognized as Candidates for Academic Honors.

Honors Level	Honor Cords	Cumulative GPA
Cum laude	White Cords	3.50-3.69
Magna cum laude	Red Cords	3.70-3.89
Summa cum laude	Gold Cords	3.90-4.00

#### GRADUATE

Recognition of academic excellence "With Distinction" is awarded to those graduate students completing a Master's program with a 4.0 Cumulative Grade Point Average. Candidates graduating with a Master's Degree With Distinction include:

Ricardo Acevedo Rivera Shelby M. Daniels Antonio Garcia Michael Hunter Layton Ronald C. Mananquil Rene Rico Baluyot Moneza Ronald Nunez-Rupert Christopher J. Raines Frederick Anthony Yepes

(The names on this program do not constitute an official graduation list.)

## ACADEMIC HONORS

#### ALPHA SIGMA LAMDA

Alpha Sigma Lambda recognizes the special achievements of adults who accomplish academic excellence while facing competing interests of home and work. Alpha Sigma Lambda is dedicated to the advancement of scholarship and recognizes high scholastic achievement in an adult student's career.

Kelsie Danielle Gearhart Andrew Wayne Gott Jason Bryan Kirkman Jarred Ryan McGlothlin Ronald Nunez-Rupert Richard A. Pelletier, II Brice D. Reider Mitchell Andrew Shellenberger

#### HONORS PROGRAM GRADUATES

The Honors Program is built on a foundation of Leadership, Research, and Ethics. Honors Students must complete honors-level coursework and research, participate in community service and programming, and maintain at least a 3.5 Cumulative Grade Point Average in order to be eligible for graduation "with Honors."

Caitlyn Nicole Aaron Christian Dennis Allen Jason Thomas Aronson Meaghan Elizabeth Moeller Mackenzie Jo Rod

#### NATIONAL ORDER OF OMEGA

Order of Omega is a Leadership Honor Society for outstanding members of Fraternity and Sorority organizations. Order of Omega recognizes high standards in the areas of scholarship, leadership, and community involvement.

Zachary Benjamin Ontiveros

#### PHI BETA LAMBDA

Phi Beta Lambda – Future Business Leaders of America is the largest student business organization in the world. The organization's focus is the development of business and leadership skills. Students compete in a variety of academic topics both individually and in teams. Embry-Riddle students have won this statewide competition for the last 13 consecutive years.

Jordan Isaiah Brown Christopher Joseph Hanson Erin Marie Knox Cindy Severance

#### SIGMA GAMMA TAU

The purpose of Sigma Gamma Tau, the Aerospace Engineering Honor Society, is to recognize and honor those individuals in the field of aeronautics and astronautics who have, through scholarship, integrity, and outstanding achievement been a credit to their profession. Eligibility for selection locally requires that a student have a minimum Cumulative Grade Point Average of 3.5; be in the upper fourth of their junior class or the upper third of their senior class; and be of high moral character.

Daniela Marie Baroni Evan Henry Bond Corey George Bullens Maciej Czyz Shyanna Marie Fernandez Veronica Jean Norkus Morgan Bradley Valiant Kyle Robert Walker Joseph Allyn Whipple

#### PHI KAPPA PHI

The Mission of Phi Kappa Phi—the nation's oldest, largest, and most selective all-discipline Honor Society—is to recognize and promote academic excellence in all fields of higher education and to engage the community of scholars in service others. Φιλοσοφία Κρατείτω Φωτῶν Philosophía Krateítõ Phỗtôn - Let the love of learning rule humanity.

#### Graduate

Tracy Lynn Costell Shelby M. Daniels

#### Undergraduate

Caitlyn Nicole Aaron Christian Dennis Allen Evan Henry Bond Maciej Czyz Shyanna Marie Fernandez Ryan Cyrous Gilani Andrew David Mitchell Meaghan Elizabeth Moeller Logan James Neptune Joshua Scott Rebel Cade Mitchell Seely Barik Scott Smith Hayden Strait Virpaul Uppal

#### TAU BETA PI, ARIZONA DELTA CHAPTER

Tau Beta Pi is the premier National Engineering Honor Society which was founded at Lehigh University in 1885 by Dr. Edward Higginson Williams, Jr. to mark, in a fitting manner, those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as undergraduates in engineering.

Evan Henry Bond Corey George Bullens Maciej Czyz Shyanna Marie Fernandez Meaghan Elizabeth Moeller Trace Sheerin Barik Scott Smith Virpaul Uppal Morgan Bradley Valiant Kyle Robert Walker

#### STUDENT GOVERNMENT ASSOCIATION

SGA are the elected representatives of the student body, responsible for maintaining a communication link between students, faculty, staff and administration. The SGA is the student resource for voicing concerns and suggesting new ideas for improvement to the University. The SGA President serves as a student delegate to the Board of Trustees.

Zachary Benjamin Ontiveros

**Cindy Severance** 

#### OUTSTANDING GRADUATES

Aeronautical Science, Ryan Cyrous Gilani Aeronautics, Christopher Martin Awes Aerospace Engineering, Evan Henry Bond Air Force ROTC, 2d Lt Walker Adema Air Traffic Management, William John Scully Applied Meteorology, 2d Lt Elizabeth A. Gilliam Army ROTC, 2LT Joseph Allyn Whipple Aviation Business Administration, Sarah Elizabeth Graber Aviation Business Administration, *Cindy Severance* Cyber Intelligence & Security, *Jessica Linda Wilson* Forensic Biology, *Mackenzie Jo Rod* Global Business, *Jordan Isaiah Brown* Global Security & Intelligence Studies, *Caitlyn Nicole Aaron* Unmanned Aircraft Systems, *Christina Kathleen Roberts* Wildlife Science, *Jacquelynn Therese Rollins* 

# INTERNATIONAL FLAGS

Please join us in recognizing our diverse international student population who attend the Embry-Riddle Aeronautical University Prescott Campus. To honor the homeland countries of our global student community, flags representing their respective lands are carried in and displayed during the commencement ceremony. Included are flags and graduates from:

China, Xu Yi India, Kevalya Ketan Sheth Mexico, Salma Benitez New Zealand, Evan Henry Bond Philippines, William John Scully Poland, Maciej Czyz Saudi Arabia, Abdulaziz Mohammed Babukur Taiwan, Yen-Hung Lai United Arab Emirates, Salem Mohamed Alyileili, Sr. Uzbekistan, Sanjar Rizaev

#### CHANCELLOR'S AWARD

The Chancellor's Award honors an outstanding graduating senior scholar and leader who has an exceptional record of academic accomplishment and a high level of campus and community involvement, while maintaining a minimum 3.5 Cumulative GPA. This is the highest award bestowed to one of our graduates.

#### Recipient: Ms. Caitlyn Nicole Aaron

As both a scholar-athlete and Honors student, Caitlyn Aaron has significantly impacted the Embry-Riddle Prescott Campus through her academic achievements, leadership roles, and extracurricular activities. Caitlyn graduates with a 3.94 GPA after only 3-1/2 years of study, having earned a major in Global Security and Intelligence Studies (GSIS) and three minors – Arabic, Middle Eastern Studies, and Psychology. While completing her B.S. in GSIS she has also simultaneously completed one-third of the coursework required for her master's degree.

As a scholar-athlete, Caitlyn served as the goalkeeper of the Embry-Riddle Women's Soccer Team, earning both athletic and academic achievement awards, including Academic All-American, Honorable Mention All-American, and regular CalPac Conference Honoree. As an Honors student, Caitlyn has excelled in community outreach, organizing service projects for the March of Dimes and the American Parkinson's Disease Association. Together these service projects have raised thousands of dollars. And as a GSIS student, Caitlyn has written briefings for Eagle Eye Intelligence, serving in leadership roles within the Eagle Eye organization.

Beyond academics, Caitlyn has founded two on-campus organizations: the Arab Culture Student Association and the College of Security and Intelligence Student Mentor Program. These organizations have connected students of diverse backgrounds so they can explore educational and professional opportunities together. She has also worked to enhance her fellow students' experiences through her work as a freshman Resident Assistant, athletic department employee, and teaching assistant.

Caitlyn's goal is to become a Foreign Service Officer with the US Department of State, focusing on African development. Her academic focus on African affairs (including a study abroad trip to Morocco) has only reinforced this passion. We have every confidence that she will have a lasting impact on the world, as she has had a lasting impact on our campus.

#### ED KING COMMUNITY SERVICE AWARD

The Ed King Community Service Award honors a graduating senior who has made an outstanding contribution of time and talent to the community and the University and has a minimum 3.0 Cumulative GPA.

#### Recipient: Ms. Oluwaseyi Faith Olusa

Oluwaseyi Olusa, also called Seyi ("Shay"), is an Aeronautical Science major and an avid volunteer. Her spirit of volunteerism has positively influenced the students and children in her community, creating a reassuring environment where they are free to pursue their academic and social goals.

Seyi's positive influence is exemplified by her membership in the Embry-Riddle chapter of Women in Aviation (WAI). As part of WAI, Seyi has worked at Sky Kids in Phoenix, helping children with special needs take free discovery flights. She also participated in the Girls in Aviation events held at WAI's annual conferences. This last year Seyi coordinated the first WAI Girls in Aviation Day held on the Embry-Riddle Campus.

In addition to her work with WAI, Seyi is also a student ambassador for the Women's Ambassador Program (WAP) at Embry-Riddle, helping to create scholarships for female students and activities for young girls interested in STEM fields. Moreoever, she is an industry ambassador for the Airline Pilots Association ACE Club, regularly communicating with industry recruiters, serving as their liaison with Career Services during the Career Expo.

Some of Seyi's volunteerism benefits her fellow students: she is a student representative for the College of Aviation to the Prescott Chamber of Commerce, a student representative for the College of Aviation's Student Industry Advisory Board, and a founding member of the Eagle Dance Crew, which is working to become an official sports team at Embry-Riddle. Some of Seyi's volunteerism is of direct benefit to children in the community: she is a Big Sister for a 15-year old girl, mentoring her towards academic success.

Whenever Seyi visits home, she sees the children of her community look to her for motivation and inspiration; she takes this responsibility seriously. Her home town community and her Embry-Riddle community are both grateful for Seyi's incredible spirit of volunteerism.

### COMMENCEMENT MARSHALS

#### FACULTY MARSHAL

**Dr. Kenneth Parsons,** Associate Professor College of Aviation Applied Aviation Sciences

#### **CLASS MARSHALS**

COLLEGE OF ARTS & SCIENCES Dr. Thomas Drape, Director School of Business

COLLEGE OF AVIATION Mr. Sean Jeralds, Associate Professor

Associate Professor Aeronautical Science

COLLEGE OF ENGINEERING Dr. Michael Fabian, Associate Professor Mechanical Engineering

#### COLLEGE OF SECURITY & INTELLIGENCE Mr. Steven Hooper, Assistant Professor Global Security & Intelligence Studies

**GRADUATE PROGRAMS Dr. Tyrone Groh,** Associate Professor Global Security & Intelligence Studies Department

WORLDWIDE CAMPUS Mr. Solomon P. Ka'awaloa, Jr., Worldwide Graduate 2019

#### DEAN EMERITI

Dr. Archie Dickey, College of Arts and Sciences Dr. Richard F. Felton, Aerospace Engineering Mr. Larry K. Stephan, Dean of Students

#### **PROFESSOR EMERITI**

Dr. Raymond D. Bellem, Electrical Engineering Col. Fred J. Cone, Aeronautical Science Dr. Milton "Chuck" Cone, Electrical Engineering Mr. A. Tracy Doryland, Aerospace Engineering Dr. Govinder S. Giare, Aerospace Engineering Mr. S. Portland (Pete) Halle, Aeronautical Science Mr. James Helbling, Mechanical Engineering Dr. Stephen J. Kahne, Electrical Engineering Ms. Luanne C. Lea, Humanities/Social Sciences Dr. James Lyall, Electrical Engineering Mr. Nicholas Manderfield, Aeronautical Science Dr. Anita Nordbrock, Humanities & Communications Dr. Gary Northam, Safety Science/Behavioral & Safety Sciences Mr. Michael J. Polay, Aeronautical Science Mr. Michael Topper, Mathematics Dr. Michael W. Wolf, Physics

### SPEAKERS

#### COMMENCEMENT SPEAKER



Representative Arlando S. Teller State Representative, Legislative District 7 Arizona House of Representatives and Embry-Riddle Aeronautical University Prescott Alumnus ('95), Aviation Business Administration Yá'át'ééh, my name is Arlando S. Teller. My Navajo clans are Naasht'ézhi-Táchii'nii (Zuni clan adopted into Red Running Into the Water People clan) born for Tó'aheedlíinii (The Water Flows Together clan). My maternal grandfathers are Tódich'ii'nii (Bitter Water clan) and my paternal grandfathers are 'Áshįįhi (Salt People clan).

Teller, ABA'95, entered the aviation industry among the first Native American graduates from Embry-Riddle Aeronautical University. Arlando interned with the City of Mesa, Falcon Field Airport. Teller advanced in his career as an airport planner for the City of Phoenix's Aviation Department, later as the Aviation Management Intern for Phoenix Sky Harbor International Airport. These experiences encouraged travel before moving to Walnut Creek, California. Teller worked with transportation and multimodal projects as a transportation planner and tribal liaison for the California Department of Transportation. Returning home to the Navajo Nation in 2009, Arlando served as Senior Transportation Planner for the Navajo Nation's Division of Transportation, promoted to Deputy Division Director.

Elected in November 2018, Teller serves as State Representative for District 7 in the Arizona House of Representatives. He serves on the Transportation Committee, Land & Agriculture Committee, and the Vice-Chair for Indigenous Peoples Caucus, member of the Aviation/Aerospace Caucus and represents as Co-Chair for the Arizona Aerospace Association. Additionally, Teller serves on the following study committees: Missing and Murdered Indigenous Women and Girls as well as Special Education Weights and Funding for Gifted Pupils.

#### **CLASS SPEAKER**



**Mr. Jacob Stites** Bachelor of Science, Aerospace Engineering Class of 2019

Mr. Jacob Stites was born in Las Vegas, Nevada and was raised in Reno, Nevada. His father's experience as a machinist for Directed Energy Systems and regular visits to the Reno Airshow instilled an early interest in both engineering and aerospace. Throughout his early school career, Jacob was involved in First Robotics. In high school, Jacob spent a year in Galena High School's Theatre Program as both an actor and Head Lights Technician. After two years in high school, he was accepted into TMCC Magnet High School for dual enrollment, which allowed him to receive 57 college credits before he graduated high school. Jacob chose the Embry-Riddle Prescott Campus for its famed Aerospace Engineering degree and his dislike of high humidity.

At Embry-Riddle, Mr. Stites was briefly involved with EagleSAT II before becoming a member of the Junior Bell Team. This project involves refinement of a patent-pending, variable-geometry vertical take-off and landing (VTOL) design externally-funded by Bell Helicopter Textron. Jacob served first as Chief Engineer, then as Project Manager for his Junior team. The team has since evolved into the Bell Capstone Team. Jacob believes in finishing every project he starts, so he continued to serve as an active member of the Bell Capstone Team while being Structural Lead of his own, separate capstone team.

Mr. Stites is grateful for his education and the many friends he met at Embry-Riddle. He is especially grateful to his supportive family and the faculty who inspired him through this program. After graduation, Jacob hopes to continue his work at Bell Helicopter.

### PRESIDENT'S MESSAGE



Dear Graduates,

Congratulations. This is a memorable day for you and a cause for pride and celebration for your family. Enjoy this moment. You worked hard to earn it.

We hope you will remember Embry-Riddle as a place that supported you, challenged you, and prepared you for a life of purpose and contribution.

On behalf of the faculty and staff of the University, we were proud to serve you. You inspired us. Your passion and persistence in pursuing your goals gives us confidence in the future you will help create.

Please know that Embry-Riddle will always welcome you as a Forever Eagle and wish you every success, personally and professionally.

Sincerely,

.K. Lust

P. Barry Butler, Ph.D. President Embry-Riddle Aeronautical University

In 2017, P. Barry Butler became the sixth president of Embry-Riddle Aeronautical University, the world's leading institution of higher education focusing on aviation and aerospace.

Embry-Riddle Aeronautical University offers more than 100 bachelor's, master's, and Ph.D. degree programs in its colleges of Arts & Sciences, Aviation, Business, Engineering, and Security & Intelligence. Embry-Riddle educates more than 34,000 students annually at residential campuses in Daytona Beach, Florida, and Prescott, Arizona, through the Worldwide Campus at more than 135 locations in the United States, Europe, Asia, and the Middle East, and through online programs.

Under his presidency, Embry-Riddle continues to expand discovery-driven degree programs and its research park is home to new aerospace patents, technology transfer and startups. Butler has encouraged collaboration with industry, resulting in expedited hiring initiatives with leading aviation and aerospace industries. He is expanding the university's interest in aviation cybersecurity, aviation data analytics and autonomous vehicles. The university also created new partnerships to prime the aviation/aerospace pipeline.

As a strong advocate for science, technology, engineering and mathematics (STEM) education, Butler supports a dual-enrollment program with the Gaetz Aerospace Institute. The institute offers more than 40 university courses to students in 84 Florida high schools. At the Arizona Campus, the STEM Education Center serves as a hub of enrichment for students, faculty, researchers and the community.

Previously, Butler was Executive Vice President and Provost of the University of Iowa. He was responsible for more than 100 academic programs in 11 colleges. For ten years, he served as Dean of the College of Engineering.

Butler is on the board of the Hoover Presidential Foundation and The Wings Club. He is a member of The Civic League of the Halifax Area. He is a private and glider pilot.

He earned three degrees from the University of Illinois at Urbana-Champaign: a bachelor's in Aeronautical Engineering, a master's in Astronautical Engineering and a Ph.D. in Mechanical Engineering.

### CHANCELLOR'S MESSAGE



#### Dear Graduates,

Congratulations on your great achievement! After all your hard work, you are graduating today. Everyone at the Prescott campus is so happy to share in the enjoyment of your success. Indeed, on behalf of the entire Prescott campus, I am pleased to express our shared pride in you. This will no doubt be just one step in many future successes. I wish you the best and hope you stay in touch.

Sincerely, Bre Kulm

Dr. Anette M. Karlsson Chancellor of Prescott Campus Embry-Riddle Aeronautical University

Dr. Anette M. Karlsson, a mechanical and aerospace engineer and a highly accomplished academic leader, brings stellar credentials, superb executive experience, a passion for both engineering and aviation and a team-oriented approach to the Embry-Riddle Prescott campus. A Fellow of the American Society of Mechanical Engineering, Dr. Karlsson earned her Ph.D. in mechanical and aerospace engineering at Rutgers University, within the area of applied mechanics. She completed her bachelor's and master's degrees at Linkoping University in Sweden. Dr. Karlsson conducted postdoctoral research at Princeton University before joining the University of Delaware, where she later became chair of the Department of Mechanical Engineering. Earlier in her career, she worked as a research/design engineer for Saab Missiles and Saab Aerospace, and as a technical attaché of material science for Sweden's Embassy in the United States. Her research interests focus on the thermo-mechanical properties of advanced materials with an emphasis on the durability of materials used in clean energy production. Dr. Karlsson has published more than 80 peer-reviewed international journal articles and she has been the primary adviser for more than 15 doctoral and master's degree students. Dr. Karlsson's many honors and awards have included the U.S. Office of Naval Research Young Investigator Award, the University of Delaware's E.A. Trabant Award for Women's Equity as well as the Young Scholars Award of the Francis Alison Society and membership in the engineering honor society, Tau Beta Pi. As Embry-Riddle's new Chancellor on the Prescott Campus, listening, learning and gaining trust have been important first steps for her and an essential foundation to elevate Embry-Riddle's Prescott Campus.

# UNIVERSITY ADMINISTRATION

#### UNIVERSITY OFFICIALS

dent
or Vice President for Development and Alumni Relations
or Vice President for Administration and Planning
or Vice President for Finance and Chief Financial Officer
cellor, Prescott Campus
or Vice President for Academic Affairs and Provost
President and General Counsel
cellor, Worldwide Campus

#### PRESCOTT CAMPUS LEADERSHIP

Dr. Anette M. Karlsson	Chancellor
Dr. Rhonda Capron	Vice Chancellor for Academic Affairs
Mr. David J. Hall	Chief Business Officer
Ms. Sara L. Heffelfinger	Executive Director, Human Resources
Dr. M. Kathleen B. Lustyk	Dean, College of Arts & Sciences
Dr. Timothy B. Holt	Dean, College of Aviation
Dr. Ronald A. Madler	Dean, College of Engineering
Dr. Jon Haass	Dean, College of Security & Intelligence
Mr. Bryan R. Dougherty	Dean, Enrollment Management
Dr. Rhondie Voorhees	Dean of Students
Ms. Kathy G. Silvas	Director, Information Technology
Ms. Jaime Long	Director, Athletics
Dr. Sarah Nilsson	Speaker, Faculty Senate

#### GRADUATION COMMITTEE

Dr. Rhondie Voorhees	Dean of Students, Graduation Committee Chair
Ms. Sally Jackson	Office Manager, Dean of Students Office, Graduation Manager
Ms. Leslie Blum	Academic Evaluator, Records Office
Mr. Michael Brady	Director, Safety & Security
Mr. James Cacciatore	General Manager, Sodexo Dining
Mr. Wesley Catlett	Events Coordinator, Facilities Management
Ms. Connie Colvin	Administrative Coordinator, U.S. Army ROTC
Ms. Michelle Day	Director, Alumni Engagement, Western Region
Mr. Joshua Ducharme	Catering, Sodexo Dining
Mr. Jason Kadah	Director, Communications
Mr. Michael Klooster	Choir Group Lead
Dr. Kaela Martin	Engineering Professor, College of Engineering
Mr. Rich Montoya	Manager, Bookstore
Ms. Barbara Munderloh	Director, Facilities Management
Ms. Laura Polk	Assistant Director, Career Services
Ms. Debbie Quillen	Administrative Coordinator, U.S. Air Force ROTC
Mr. David Rauch	Media Technical Coordinator, Media Services
Ms. DeeAnn Resk	Assistant Director, Center for International Programs & Studies
Ms. Leah Richwine	Assistant Director, Business Operations
Ms. Rebecca Rother	Event Coordinator, Office of the Chancellor

### PRESCOTT FACULTY

Dr. Akhan Almagambétov Dr. Mehran Andalibi **Dr. Jeffrey Ashworth** Mr. Dale Avery Dr. Quentin Bailey Dr. M. Angela Beck **Dr. Julio Benavides Dr. Christopher Bennett Dr. Catherine Benson** Col Jon Berry Dr. Olga Bertelsen Lt Col Marella Big Mountain Dr. Richard Bloom Dr. Ken Bordignon Dr. Brent Bowen Dr. Erin Bowen **Dr. Christopher Briggs** Dr. Stephen Bruder Dr. Elliot Bryner Dr. Timothy Callahan Mr. Ronald Carr **Dr. Ricardo Carreras** Dr. Leeann Chen Dr. Jian Cheng Dr. William Chrisler Ms. Karen Churchill Dr. David Conte **Dr. Erin Cromer Twal** Mr. Ed Coleman MAJ Chase Crabtree Dr. Furman Daniel **Dr. Daniel Dannelley** Dr. Elizabeth Davis **Dr. Nicholas Devereux** Dr. Archie Dickey Dr. Johann Dorfling Dr. Thomas Drape Dr. Hillary Eaton Dr. Teresa Eaton Dr. Douglas J. Evans Dr. Michael Fabian MSgt April Fargher **Dr. Thomas Field** Mr. Derek Fisher Dr. Maxwell Fogleman Dr. Thomas Folev Dr. Jakob Funkenstein Dr. Michele Gazica Mr. Andy Gerrick Mr. Richard Gibson Dr. Radek Glaser Dr. Javad Gorjidooz Dr. Cindy Greenman Dr. Andri Gretarsson Ms. Elizabeth Gretarsson SSat Christopher Gribble Ms. Dawn Groh

Dr. Jon Haass Dr. Mitchell Hamidi Ms. Megan Hanna Mr. Nicholas Hansen Dr. Matthew Haslam Dr. Brenda Haven Dr. Shigeo Hayashibara SFC Lukas Hearn Dr. Murray Heemerinner Ms. Michelle Hight CPT Brett Hlasny Dr. Timothy Holt Mr. Steven Hooper Dr. Paul Hriljac Dr. Brennan Hughev TSgt John Ingersoll Dr. Douglas Isenberg Dr. Lara Ismert Dr. Dorothea Ivanova Mr. Jason Jacobs Dr. Matthew Jaffe Dr. Curtis James Dr. Baker Jawabrah Al Hourani Mr. John Jenkins Dr. Geoffrev Jensen Mr. Sean Jeralds **CPT Jeremy Johnson** Dr. Shirley Johnson Dr. Philip Jones Dr. Preston Jones Mr. Jerry Kidrick Ms. Liza Marie Kiesell Mr. Dennis Kodimer Dr. Eileen Landis-Groom Dr. David Lanning Dr. Wahyu Lestari Dr. Jacqueline Luedtke Dr. Heather Lum Dr. Kathleen Lustyk Dr. Ronald Madler Dr. Tarek Mahmoud Dr. Richard Mangum Ms. Heather Marriott Dr. Kaela Martin Capt Scott McCloud Dr. Patric McElwain Dr. Juan Merkt Ms. Karen Meunier Dr. Wallace Morris Dr. Monty Moshier Dr. Sarah Nilsson Dr. Jose Ninawanka Mr. Parker Northrup Mr. William O'Hara Dr. Murat Okcay

Dr. Tvrone Groh

Dr. Istemi Ozsoy Mr. Reginald Parker **Dr. Kenneth Parsons** Dr. John Pavlina Ms. Jennah Perry Mr. William Pleasants Dr. Edward Poon Dr. John Edward Post Dr. Brian Rachford Dr. Saeed Raiput Dr. Susan Rauch SSgt Moriah Reese **Dr. Terry Reinsch** Mr. Gregory Reverdiau Dr. Noel Richardson Mr. Scott Ritchie Mr. Robert Rudolph Dr. Radhakrishna Sampigethaya **Dr. Joel Schipper** Mr. Peter Schlichting Dr. Ronny Schroeder Dr. Mark Sensmeier Dr. Brooke Shannon Dr. Samuel Siewert Dr. Mark Sinclair Mr. William Slease Dr. Muna Slewa Dr. Darrel Smith Capt Kelsey Smith Dr. Robin Sobotta Dr. Brent Solie Mr. Brent Spencer SSgt Maria Steelman Dr. Curtis Sullivan Dr. Ahmed Sulyman Dr. Lance Traub Dr. Hisa Tsutsui Ms. Vickie Jo Tusa Mr. Matthew Valente Dr. Michael Van Hilst Ms. Olga Waesche Mr. William Waldock Dr. Bradley Wall Dr. Keke Wang Mr. Christopher Warner Dr. Tatsunari Watanabe Dr. Daniel White Mr. Dennis Wren Dr. Jules Yimga Mr. Johnny Young Dr. Michele Zanolin Mr. Brian Zeltins Dr. Hong Zhan Mr. Jacob Zwick

### COMMENCEMENT VESTMENTS

Air Force ROTC Distinguished Graduate, Jet Dragster Project, White Stoles with Blue Trim Blue and White Cords Masters Graduates with Distinction, ALPA ACE Club, Blue and White Cords Gold Medallion on a Blue and Gold Ribbon Alpha Sigma Lambda Honor Society, Music Club, Rose Pink Cord Gold and Maroon Cords NASA/Arizona Space Grant Consortium, White Stole with NASA Logo American Society of Industrial Security International (ASIS Eagle Chapter), Red, Black and White Cords National Order of Omega Honor Society, Gold Stole American Society of Safety Professionals (ASSP), Order of the Engineer, Green Stoles Wearing Rings on the Little Finger of Dominant Hand Army ROTC Distinguished Graduate, Order of the Sword and Shield (OSS), Blue and Gold Cord Black and Gold Cords Orientation Leader, Teal Cord Assembly of Ballroom Dancers, Purple and Silver Cords Phi Beta Lambda (PBL), Gold Stoles with the PBL Crest Aviation Business Networking Club, Phi Kappa Phi, Medallion Blue, Gold, and Black Cord Psi Chi, Silver and Blue Stole Brotherhood of Steel, Chain Mail Stole Project Pengyou Eagle Chapter, White and Red Cords Campus Academic Mentor (CAM), White Stoles Sigma Gamma Tau, Orange Cords CSI Graduate Organization Officers, Sigma Pi Sigma, Green and White Stole and Cord Blue Stoles with Gold Trim and Lettering Sigma Tau Gamma, White Stole with Azure Blue Corporate Scholars Outreach Program (CSOP), Society of Hispanic Professional Engineers (SHPE), Steel Gray Stoles Blue Stole with SHPE Logo Cyber Defense Club, Silver Stoles with Blue Edges Society of Women Engineers (SWE), EagleAeroSport (EAS), Blue Stoles with Gold Lettering Green Stoles with SWE Logo Eagle Leadership Series, Silver Medallion on a Blue Ribbon Student Intercollegiate Athletes, Blue and Gold Cords Eagle Works, White Stole with Blue Trim Student Government Association and Campus Service Eta Kappa Nu, Gold Stoles Organizations, White Stoles with the Entity's Logo Global Security & Intelligence Studies/Chinese Track, Student Veterans Organization, Gold and Blue Stoles White Stole with Chinese Characters Study Abroad, Gold Stole with Country Flags Golden Eagles Flight Team. Tau Beta Pi, Arizona Delta Chapter, Blue and Gold Stole with a White Center White Stole with Orange Insignia Honors Program. Gold Medallion on a Blue Ribbon United States Military Veterans, Red, White and Blue Cords Information Technology, Blue and Gold Literal Cords VEX Robotics, Red and Black Cords International Honor Society in Psychology. World4Women. White and Teal Cords Silver and Blue Stoles Women In Aviation, Blue Stole International Society of Air Safety Investigators (ISASI), Blue and Gold Cords Women's Ambassador Program, Purple Cord International Students, Sash with Respective Country Flag Women's & Diversity Center, Rainbow Stoles or Cords

Award recipients vary each semester. Not all awards listed may be present in today's graduating class.

### NOTES ON ACADEMIC COSTUME

The colorful attire worn by the graduates, the faculty and officers of the University, on the occasion of these Commencement Exercises has historic roots dating back to medieval times. Dressed as they are in cap and gown, the graduates and their professors form a part of a long tradition, which dates back from Paris and Bologna to Oxford and Cambridge.

The precise origins on the several parts of the academic garb are not easy to discover. However, since the medieval students enjoyed the status of clerics during their university years, one is hardly far wrong in asserting that their attire found its inspiration in the clerical dress of medieval times. The gown seems to be an adaptation of the robe of friar or priest; the hood, of the monk's on friar's cowl; and the mortarboard cap of today, the end product of a curious evolution, recalls the skull cap of days when tonsured heads needed protection against drafts of medieval classrooms.

Academic attire began to appear quite generally on United States campuses in the late 1890's. Since that time, its use has become universal for solemn university functions and its pattern highly uniform.

**THE GOWN.** The gowns are three in number and styling. That of the bachelor is a yoked, closed-front garment, with long, pointed sleeves; that of the master has sleeves long and closed, but slit just above the wrist to allow the hands to protrude; the gown of the doctor has full, bell shaped sleeves. Only the doctor's gown is trimmed—with velvet panels down the front and three velvet bars on each sleeve.

Though black velvet is proper trimming for all doctor gowns, the color of the panels and sleeve bars is often varied, in order to indicate the faculty which granted the wearer's degree—dark blue for Philosophy; light blue for Education; white for Arts and Letters; gold-yellow for Science; orange for Engineering; purple for Law; brown for Management. Black is also proper for the color of the gown; however, some universities have adopted distinctive colors for these gowns, and the wearer has the option of wearing their school color or black. **THE HOOD.** The hood at first seems to have been worn over the head and was attached to the gown. When the skull cap was introduced, the hood was retained but detached and worn much as it is today. Each degree (master, doctor) has its special hood, which varies in length and, in the case of the doctor's, also in pattern.

The color or colors with which the hood is lined are those of the college or university which granted the wearer's degree—for example, Embry-Riddle Aeronautical University is known by the yellow gold chevron on the field of blue, with heraldic eagles in the chevron. The colored velvet binding or edging of the hood, in different widths for master and doctor, is the key to the faculty granting the degree. The colors follow the same scheme indicated above for the panels of the doctor's gown.

**THE CAP.** The mortarboard has become the university-accepted style in the United States colleges and universities. Many European institutions retain distinctive forms of academic headdress.

The doctor, following graduation, has the right to wear a gold tassel on their mortarboard; black, however, is perfectly proper. A practice of varying the color of the tassel on the others has gained acceptance. Arts, white; Science, gold-yellow; Philosophy, dark blue; Education, light blue; Commerce, drab brown; Technology and Engineering, orange; Maintenance Technology, red; Law, purple; and Security and Intelligence, royal blue.

DVDs will be available one month after ceremony. To order a DVD of the ceremony, please send your name, address and ten dollars (cash or check made out to ERAU, no credit cards) to:

Event Technology Embry-Riddle Aeronautical University 3700 Willow Creek Road, Building 70A Prescott, Arizona 86301 928.777.3816

Video Stream Available at: erau.edu/graduation

Professional photography by GRADIMAGES 800.424.3686 - www.gradimages.com

# ALUMNI ASSOCIATION

#### **Congratulations, graduates!**

On behalf of the Office of Alumni Engagement, we welcome you to the Embry-Riddle alumni family.

Together with over 135,000 other alumni located around the globe, you are now EAGLES FOR LIFE. You are forever united through your shared passion and experiences at Embry-Riddle.

As you progress in your career, we will provide you with programs to enhance your alumni experience and support your professional development. We know that you will soar to new heights as leaders in your careers and the aerospace industry.

Recently, you received a pin signifying your alumni status. Wear it with pride, as it is a symbol of your alma mater.

We encourage you to stay connected; come visit your campus; attend alumni networking events and homecomings; and always help your fellow Eagles when they need mentorship, guidance and support.

Congratulations and remember, you are Forever an Eagle!

Embry-Riddle Aeronautical University Office of Alumni Engagement ERalumni@erau.edu | 1.800.727.3728 | alumni.erau.edu



# NOTES

# NOTES

# ALMA MATER

Verse 1:

Eagles gather near, we lift our voices loud and clear Soaring high, oh Alma Mater, Threads of blue and gold United we soar, in vast open skies Embry-Riddle, we hail thee, great memories we'll hold.

Verse 2:

Singing thy praise, remembering the days Coast to coast, around the world, our bond forever true Embracing our dreams, with pride far and wide Embry-Riddle, we hail thee, great memories we'll hold.

> Refrain: So here's to you old ERAU Alma Mater true, We pledge in love and harmony Our loyalty to you.

