

**COMMENCEMENT**

**2020 GRADUATE COMMENCEMENT**

**DECEMBER 14, 2020**

**YOUR WINGS ALREADY EXIST.**

**ALL YOU HAVE TO DO IS FLY.**

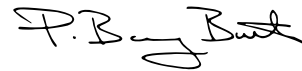


TO OUR GRADUATES

Your graduation from Embry-Riddle Aeronautical University comes at an unprecedented time in history, as the Covid-19 outbreak alters life around the world. Despite the distractions and detours of the past year, you maintained your focus and met your goal with a discipline that marks you as someone who overcomes obstacles and faces the unexpected with the skill set – and mindset – to succeed. You have earned a college degree and our deepest respect.

Although we cannot celebrate your great accomplishment in person, know that we are very proud of you. The 2020 Graduating Class will hold a special place in Embry-Riddle history. Congratulations on your graduation, your accomplishments as an Embry-Riddle student and your bright future.

Best wishes on your continued success. Go Eagles!



**P. Barry Butler, Ph.D.**  
*President*



**Lon D. Moeller, J.D.**  
*Sr. Vice President for  
Academic Affairs & Provost*

**Presentation of Colors**  
ROTC Joint Color Guard

**The National Anthem**  
The AcaFellas

**Processional**  
*Pomp and Circumstance*

**Macebearer**  
**Christopher Grant, Ph.D.**  
*Vice Provost for Academic Support*

**Introduction of Platform Party**  
**Lon D. Moeller, J.D.**  
*Senior Vice President for Academic Affairs and Provost*

**Invocation**  
**Reverend David Keck, Ph.D.**  
*Campus Chaplain*

**Welcome**  
Lon D. Moeller, J.D.

**Opening of Ceremonies**  
**Philip H. Elliott, Jr., Esq., Ph.D. Honoris Causa**  
*Trustee Emeritus*

**Remarks**  
**P. Barry Butler, Ph.D.**  
*President*

**Introduction of Speaker**  
Lon D. Moeller, J.D.

**Address**  
**Richard P. Anderson, Ph.D.**  
*Professor of Aerospace Engineering*

**Graduation Exercise**

**Conferring of Degrees**  
Philip H. Elliott, Jr., Esq., Ph.D. Honoris Causa

**Alma Mater**  
The AcaFellas

**Benediction**  
Reverend David Keck, Ph.D.

## 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.

Some say that college graduation marks a time when you take ownership of your life. The Graduating Class of 2020 stepped into that ownership with strength and character. The Covid-19 pandemic brought social isolation, compromises and disappointed expectations. You confronted challenges you never anticipated. Yet you found ways to remain connected and support each other to create a college experience that may have been different from – but not less than – classes who came before you. Your grace and grit impressed those who believed in you before you came to Embry-Riddle and those who came to believe in you as Eagles. I hope you leave us believing in yourselves as much as we believe in you.

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,

**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.

## COMMENCEMENT SPEAKER



**Richard P. Anderson, Ph.D.**  
*Professor of Aerospace Engineering*

Dr. Richard P. Anderson is a professor of Aerospace Engineering and the Director of the Eagle Flight Research Center. He is an authority on flight dynamics; automatic flight controls; electric and hybrid electric propulsion; and novel vehicle concepts including fixed wing hybrid aircraft and e/hVTOL urban mobility vehicles. Dr. Anderson has lead a team that developed and flew the first manned electric gas/battery hybrid aircraft.

He is the author of University patents in the area of hybrid aircraft propulsion and active ground noise mitigation of motors and rotors. His research in these areas include \$7M in externally funded programs.

His background includes not only engineering but also experience as an ATP rated pilot with category and class ratings that include airplane single and multiengine, land and sea, glider and helicopter. He holds an FAA certified flight instructor, Unmanned Aerial Systems (UAS) operator and airframe & powerplant certificate with inspection authorization. Dr. Anderson's awards include the Lindbergh Electric Airplane Prize, The Carnegie Foundation's Florida University Professor of the Year and the University's Researcher of the Year. He is an EAA Founders award judge and the chairman of the GAMA electric propulsion committee.

## PH.D. CANDIDATES

### COLLEGE OF ARTS & SCIENCES

#### Ph.D. in Engineering Physics

**Pavel Inchin**

Dissertation Title: *Atmospheric and Ionospheric Responses to Acoustic and Gravity Waves Driven by Earthquakes and Tsunamis*

Dissertation Committee Chair: Jonathan B. Snively, Ph.D.

**Krishna Bhavithavya Kidambi**

Dissertation Title: *Nonlinear Estimation and Control Methods for Mechanical and Aerospace Systems Under Actuator Uncertainty*

Dissertation Committee Chair: William MacKunis, Ph.D.

**Dona Chathuni Piumika Kurupparatchi**

Dissertation Title: *Setting Constraints on the Lunar Sodium Exosphere: A Comprehensive Analysis of Velocity Resolved Sodium Line Profile Measurements*

Dissertation Committee Chair: Edwin Mierkiewicz, Ph.D.

**Beket Tulegenov**

Dissertation Title: *Nonlinear Magnetosphere-Ionosphere Interactions at High Latitudes*

Dissertation Committee Chair: Anatoly Streltsov, Ph.D.

#### Ph.D. in Human Factors

**Anastasia Nicole Diamond**

Dissertation Title: *Fixation Patterns of Driving Scenes as a Function of Task Load and Task Goal*

Dissertation Committee Chair: Alex Chaparro, Ph.D.

**Mattie Milner**

Dissertation Title: *Know our User: Building a Predictive Model of Consumer Preference for Driverless Cars*

Dissertation Committee Chair: Stephen Rice, Ph.D.

**Jordan Elizabeth Rogers**

Dissertation Title: *How Does Robotic Surgery Influence Communication, Leadership, and Team Outcomes? A Multimethod Examination*

Dissertation Committee Chair: Elizabeth Lazzara, Ph.D.

### COLLEGE OF AVIATION

#### Ph.D. in Aviation

**Susan K. Archer**

Dissertation Title: *Organizational Design of Secondary Aviation / Aerospace / Engineering Career Education Programs*

Dissertation Committee Chair: David Esser, Ph.D.

**Bradley S. Baugh**

Dissertation Title: *Predicting General Aviation Accidents Using Machine Learning Algorithms*

Dissertation Committee Chair: Bruce Conway, Ph.D.

**Richard W. Cole**

Dissertation Title: *Risk Mitigation for Low Latitude GBAS Precision Approach Operations*

Dissertation Committee Chair: Steven Hampton, Ed.D.

**Jennifer M. Edwards**

Dissertation Title: *Student Engagement in Aviation MOOCs: Identifying Subgroups and Their Differences*

Dissertation Committee Chair: Mark Friend, Ed.D.

**Stephanie G. Fussell**

Dissertation Title: *Determinants of Aviation Students' Intentions to Use Virtual Reality for Flight Training*

Dissertation Committee Chair: Dothang Truong, Ph.D.

**James H. Hartman, III**

Dissertation Title: *An Exploratory Study of General Aviation Visual to Instrument Meteorological Condition Contextual Factors*

Dissertation Committee Chair: Mark Friend, Ed.D.

**Edwin V. Odisho, II**

Dissertation Title: *Predicting Pilot Misperception of Runway Excursion Risk Through Application of Machine Learning Algorithms of Recorded Flight Data*

Dissertation Committee Chair: Dothang Truong, Ph.D.

**Rachelle Strong**

Dissertation Title: *Pilot Acceptance of Personal, Wearable Fatigue Monitoring Technology: An Application of The Extended Technology Acceptance Model*

Dissertation Committee Chair: Dahai Liu, Ph.D.

**Lakshmi Vempati**

Dissertation Title: *Pilots' Willingness to Operate In Unmanned Aircraft System Integrated Airspace*

Dissertation Committee Chair: Scott Winter, Ph.D.

**Kenneth A. Ward**

Dissertation Title: *Safety Systems, Culture, and Passengers' Willingness to Fly in Autonomous Air Taxis*

Dissertation Committee Chair: Scott Winter, Ph.D.

**Sabrina Woods**

Dissertation Title: *Assessing if Motivation Impacts General Aviation Pilots' Persistence in Varying Weather Conditions*

Dissertation Committee Chair: Scott Winter, Ph.D.

### COLLEGE OF ENGINEERING

#### Ph.D. in Aerospace Engineering

**Audrey Jean-Miche Gbaguidi**

Dissertation Title: *Piezoresistive Hybrid Nanocomposites for Strain and Damage Sensing: Experimental and Numerical Analysis*

Dissertation Committee Chairs: Sirish Namilae, Ph.D. and Dae Won Kim, Ph.D.

**Seyyed Saman Salehian**

Dissertation Title: *Aeroacoustics of Supersonic Jet Interacting with Solid Surfaces and Its Suppression*

Dissertation Committee Chair: Reda Mankbadi, Ph.D.

**Dhuree Seth**

Dissertation Title: *Contributions to the Understanding of Ship Airwakes Using Advanced Flow Diagnostic Techniques*

Dissertation Committee Chair: J. Gordon Leishman, Ph.D.

**Naveen Sri Uddanti**

Dissertation Title: *Unsteady Internal Ballistics of a Hybrid Rocket*

Dissertation Committee Chair: Yechiel Crispin, Ph.D.

#### Ph.D. in Electrical Engineering & Computer Science

**Bharvi N. Chhaya**

Dissertation Title: *Scenario-Based Development and Verification of Domain-Specific Languages*

Dissertation Committee Chair: Shafagh Jafer, Ph.D.

#### Ph.D. in Mechanical Engineering

**Ali Ahmed Abdulrasool**

Dissertation Title: *Theoretical and Computational Analyses on Transition and Turbulence in Purely Oscillating Pipe Flow*

Dissertation Committee Chair: Yongho Lee, Ph.D.

**Kaloki Lubekho Nabutola**

Dissertation Title: *Active Drag Reduction of Ground Vehicles Using Air-jet Wheel Deflectors*

Dissertation Committee Chair: Sandra Boetcher, Ph.D.

**Yuan Tian**

Dissertation Title: *Monocular Visual-Inertial Odometry Using Learning-Based Methods*

Dissertation Committee Chair: Marc Compere, Ph.D.

# GRADUATE CANDIDATES

## COLLEGE OF ARTS & SCIENCES

### Master of Science in Engineering Physics

Michael Audia <sup>WD</sup>  
Evan Michael Dort  
Jonathon Khi Franse  
Tyler Scott Neusch  
Austin J. Ogle <sup>WD</sup>  
Brogan Connor Revay

### Master of Science in Human Factors

Gina Barcia  
John Collier Campbell <sup>WD</sup>  
Kaylin Mai Clark  
Jessyca Derby <sup>WD</sup>  
Bryan Anthony Gamelin <sup>WD</sup>  
Jacob D. Guliuzo  
Ameer Hosein  
Devin Enya Kelley  
John L. Kleber <sup>WD</sup>  
Eric David Lasser  
John Christopher Lee <sup>WD</sup>  
Katharine Lida Miley  
Tanjil Momo  
Imani Alexandria Murph <sup>WD</sup>  
Nicholas Reuss  
Tyson Lee Richards  
Emily Anne Rickel <sup>WD</sup>  
Gianna Schock  
Richard Simonson <sup>WD</sup>

## COLLEGE OF AVIATION

### Master of Science in Aeronautics

Rahim Daud Agha <sup>WD</sup>  
Jose Antonio Alvarez Rivera  
Paapa Amponsah  
Luis Miguel Calle Mendez  
Eduardo A. Chaves Bardina  
Yunqing Chen  
Raul Orlando Contreras <sup>WD</sup>  
Noelle Nichole Cudzilo <sup>WD</sup>  
Garth R. Cumberbatch  
Eric Aseye Kwasi Dzamefe  
Nagy Metwally Afifi El-Sayed  
Lei Fan  
Adam Izak Goldstein  
Hong Dae Kim <sup>WD</sup>  
Henry Joseph Lax  
Joel Bei En Lee <sup>WD</sup>  
Kam Wai Leung  
Priscilla Antoinette McDonald  
Shonte Destiny Miller  
Keletso Mthathago Mmalane  
Samarkumar Pareshkumar Naik  
Amanda Erin Nolte <sup>WD</sup>  
Siddharth Rai  
Navneet Krishnan Rajan  
Cora Jo Rand <sup>WD</sup>  
Mohamed G. Rostom  
Varad Sawant  
Andreea Cristina Sfia <sup>WD</sup>  
Fumiya Shigematsu  
Kwangsik Song  
Kevin Chen Hsuan Tai <sup>WD</sup>  
Vishnu Vardhan Vaikathusseril Ravindrana  
Drishti Omprakash Valecha <sup>WD</sup>  
Enderson Jose Velasquez Gonzalez  
Brian Matthew Walcutt  
Niloufer Orooj Wasey  
Natthawat Wongrat <sup>WD</sup>  
Sungmo Yang <sup>WD</sup>

## DAVID B. O'MALEY COLLEGE OF BUSINESS

### Master of Business Administration

Miles Daniel Anderson  
Johanna Cedeno Viteri <sup>WD</sup>  
Lauren Catherine Ellenberger  
Noah Drake Eudy  
Michael Harvey Haynes  
Christopher J. Heale <sup>WD</sup>  
Luke Jordan <sup>WD</sup>  
Ali Riza Karmali  
Liyang Liu  
John Lobdell  
Andrea Luciana Lopez Jimenez <sup>WD</sup>  
Marissa Ann Pecora <sup>WD</sup>  
Ana Isabella Pichardo <sup>WD</sup>  
Nicolas Pombo  
Brock Allen Rees  
Michelle Rivera  
Zhengyang Shen  
Jessica Antonia Steinmann  
Tristin Leigh Stevens  
Sima Tajik  
Tse Yu J. Tao <sup>WD</sup>  
Carlos Andres Tates Flores  
Jia Wei Vanessa Teo <sup>WD</sup>  
Mayako Tsuji  
Alexandru Marius Ursuti  
Srikanth Venkataraman

### Master of Business Administration in Aviation Management

Pin Chun Chi  
Seungsoo Ha  
Hanwen Li <sup>WD</sup>  
Luman Liu <sup>WD</sup>  
Brodie Douglas Lubelski <sup>WD</sup>  
Putthaporn Maungprasert  
Maria Sophia Meyer  
Ana Pajic  
Takahito Sano <sup>WD</sup>  
Cristian Eduardo Santos  
Fang-Yuan Wang <sup>WD</sup>  
Kaiwen Yao

### Master of Science in Aviation Finance

Xuanyu Bai <sup>WD</sup>  
Ching-Wen Huang  
Jifei Jiao  
Xinzhuo Li  
Ramya Murthy  
Miles Nathan <sup>WD</sup>  
Ramon Andres Rodriguez  
Yamini Saraf  
Jiahe Tian  
Nidhi Kishor Trambadia  
Qin Xiong

**Graduates completing their degrees with honors  
will be recognized when their names are announced.**

WD = With Distinction  
Grade Point Average 4.0  
(Wearing Medal of Distinction)

The Commencement program was printed with accurate graduation records as of Wednesday, November 18, 2020.

A final version with full records will be available the week following the ceremony at [daytonabeach.erau.edu/campus-life/graduation](http://daytonabeach.erau.edu/campus-life/graduation).

# GRADUATE CANDIDATES

## COLLEGE OF ENGINEERING

### Master of Science in Aerospace Engineering

Maurice Aguilera  
Lee Ronald Alacoque  
Chris D. Alkire  
Mohammed Ayed Alshebani  
Sierra Ausbrook  
Peter Martin Bergersen <sup>WD</sup>  
Yang Chao <sup>WD</sup>  
Tyler John Bennett Ciufo  
Andrei Alberto Cuenca  
Pratik Suhas Deshpande  
Patrick Sterling Downs <sup>WD</sup>  
Lucas Ferrando Quilez  
John Spiciarich Galjanic <sup>WD</sup>  
Mounisha Ganesan  
Guanhong Gao  
Christopher Wayne Hays <sup>WD</sup>  
Zhennan He  
Zachary W. Henry <sup>WD</sup>  
Isaac T. Hertzog  
Pin-Chieh Huang  
Jacob Joseph Korczyk  
Sridhathi Kunduru  
Suyash Lahoti <sup>WD</sup>  
Christopher Thomas Leirer <sup>WD</sup>  
Zilin Lu <sup>WD</sup>  
Carlos Eduardo Marquez Ramos <sup>WD</sup>  
Brennan S. McCann <sup>WD</sup>  
Samarth Motagi  
Chitrag Prakashbhai Patel <sup>WD</sup>  
Harshkumar Ishvarbhai Patel <sup>WD</sup>  
Ashwini Patil  
Uvesh Pawar <sup>WD</sup>  
Nicholas John Peters <sup>WD</sup>  
Daniel Posada <sup>WD</sup>  
Vishnupriya Ramesh  
Tilden Carl Roberson

Eric Andrew Lee Sabol  
Omkar Divakar Samel  
Paula Sanjuan Espejo <sup>WD</sup>  
Sanay Shirish Satam  
Alexander M. Seifans  
Rishikesh Srinivasaraghavan Govindarajan  
Wesley Thomas Stackhouse <sup>WD</sup>  
Hiroki Sugimoto <sup>WD</sup>  
Silvana Isabel Urena Lopez  
Shajayra Patricia Velasco Campoverde  
Yuxuan Wu <sup>WD</sup>  
Xin Xu <sup>WD</sup>  
Sherwin Yohannan

### Master of Science in Civil Engineering

Josie Gray <sup>WD</sup>  
Luka Majstorovic  
Michael Almeron Mohney <sup>WD</sup>  
Hannah Rose Russell <sup>WD</sup>  
Sky Comarsh White <sup>WD</sup>  
Cody Dale Wilson

### Master of Science in Cybersecurity Engineering

Saleh Al Sidran  
Fahad Alatmi <sup>WD</sup>  
Yazed Alferaih <sup>WD</sup>  
Norah Jarallah E Alilwit <sup>WD</sup>  
Ossamah Almotery <sup>WD</sup>  
Dhafer Alqushayri <sup>WD</sup>  
Hussain Jarallah Alyami  
Justin Duhaime  
Dean Robert Laga  
Kaitlyn Marie Leta <sup>WD</sup>  
Mohannad Fahad Mashat <sup>WD</sup>  
Yahya Aishah Moafa  
Rita Okoro  
Ravi Teja Thota

### Master of Science in Electrical & Computer Engineering

Bowen Chen <sup>WD</sup>  
Shikai Gao <sup>WD</sup>  
Matthew Gileau  
Yushan Jiang <sup>WD</sup>  
Guan Wang <sup>WD</sup>

### Master of Science in Mechanical Engineering

Abdulrahman Mubarak Alqahtani  
Justin Wyatt Bungard  
Blair Elizabeth Cutting  
Grady Carson Delp  
Jeff Garraud  
Dominic Jeancola  
Maxwell Kline  
Yeram Lim <sup>WD</sup>  
Andrew Anthony McClary <sup>WD</sup>  
Kayla Marie Ormiston <sup>WD</sup>  
Seth Ryan Rosenstein  
Austin James Russell <sup>WD</sup>  
Jessica Vivian Savage  
Nathan Taylor Stanton  
Taylor Stark  
Matthew Douglas Warheit

### Master of Science in Software Engineering

Muhannad Alabyah  
Tahani Alkhudair  
Fahad Mohammed Alshairi  
Gurvir Kaur Bawa <sup>WD</sup>  
Levi Samuel Duncan  
Michael James Freudeman  
Jose Alberto Rodriguez <sup>WD</sup>

### Master of Science in Systems Engineering

Meshari Almutairi  
Madison Leigh Mangano  
Priyanka Patel <sup>WD</sup>  
Geicel Rojas  
Richard Kurt Seefeldt

### Master of Science in Unmanned & Autonomous Systems Engineering

Anupama Mallikarjun Aili  
Mansi S. Bakori  
Ashok Sarath Chandra Reddy Irigireddy  
Mustapha Talal Khawaja  
Rajagopal Sugumar

### Multidisciplinary Master of Science in Engineering

Neftali Magallanes Amador  
Ashley Faith Roper <sup>WD</sup>  
Peter Alexander Stubbers  
Jacob Michael Terry

## STUDENT ORGANIZATIONS

### STUDENT GOVERNMENT ASSOCIATION

The Student Government Association (SGA) strives to enhance the excellence of student life by providing quality service and promoting the general welfare of the student body. The SGA identifies student concerns and ensures active representation of these interests on the Board of Trustees and within the University. SGA is divided into three branches — the SGA Executive Branch, the SGA Legislative Branch, and the SGA Judicial Branch and three divisions — WIKD 102.5 FM, Touch-N-Go Productions, and the Avion Newspaper.

**Dhafer Alqushayri**  
*Student Representative Board*

**Soham Subhash Bahulekar**  
*Student Representative Board*

**Thomas R. Beaudoin**  
*WIKD 102.5 Executive Board*

**Connor Theodore Black**  
*Emergency Response Team*

**William Charles Brock, II**  
*Chief of Staff, Executive Board*

**Paige Leigh Bussard**  
*Chief of Staff*

**Deyanne Charles**  
*Treasury Member*

**Brandon C. Collins**  
*WIKD 102.5 Executive Board*

**Samson Smith Del Torto**  
*WIKD 102.5 Executive Board*

**Kaitlin Stephanie Dobesh**  
*Student Finance Board*

**Mikaela Francesca Frias**  
*Director of Community Relations*

**Andrés Grünwaldt**  
*Touch-N-Go Productions Exec Board*

**Audrey J. Hallam**  
*Treasurer, Executive Board*

**Kieran J. King**  
*Chief, Emergency Response Team*

**Payton Brooke Muglia**  
*Avion Executive Board*

**Priyanka Patel**  
*Student Representative Board*

**Shringar Ajay Shamkuwar**  
*WIKD 102.5 Executive Board*

**Sean Shorey**  
*Student Court*

**John L. Staiger, IV**  
*WIKD 102.5 Executive Board*

**Samantha Villagran**  
*Student Finance Board*

**Christopher J. Wikoff**  
*President, Executive Board*

### BUSINESS EAGLES PROGRAM

David B. O'Maley College of Business

The Business Eagles Program consists of selected undergraduate and graduate students who formally engage with industry. Candidates distinguish themselves academically and through participation with our industry partners to include internships, professional conferences, and formal industry visits. Members of the Business Eagles Program also serve as campus representatives at a variety of organized industry-related events.

**Johanna Cedeno**  
**Noah Drake Eudy**  
**Liyang Liu**  
**Andrea Lopez**  
**Ramya Murthy**  
**Nicolas Pombo**  
**Cristian Eduardo Santos**  
**Jessica Antonia Steinmann**

### DELTA MU DELTA

Delta Mu Delta is a national honor society that recognizes the achievements of both undergraduate and graduate students in the business administration program.

**Noah Drake Eudy**  
**Ching-Wen Huang**  
**Mayako Tsuji**  
**Andrea Luciana Lopez Jimenez**  
**Srikanth Venkataraman**

### KAPPA MU EPSILON

Kappa Mu Epsilon is a specialized honor society in Mathematics. The chapters' members are selected from students of mathematics and other closely related fields who have maintained standards of scholarship, have professional merit and have attained academic distinction.

**Andrew Anthony McClary**  
**Taylor Stark**

### PSI CHI

Psi Chi, the National Honor Society in Psychology, promotes excellence in scholarship and advancement of the service of psychology.

**Ameer Ayub Hosein**  
**Tyson Lee Richards**  
**Emily Anne Rickel**

### TAU BETA PI

Tau Beta Pi is the only engineering honor society representing the entire engineering profession. Tau Beta Pi promotes integrity and excellence in engineering and recognizes those who have conferred honor on their university by distinguished scholarship and exemplary character as engineering students or by their attainments as engineering alumni.

**Michael Audia**  
**Patrick Sterling Downs**  
**John Spiciarich Galjanic**  
**Carlos Eduardo Marquez Ramos**  
**Andrew Anthony McClary**  
**Daniel Posada**  
**Paula Sanjuan Espejo**  
**Alexander M. Seifans**  
**Wesley Thomas Stackhouse**



The attire worn by the graduates, faculty, and officers of the university for Commencement exercises has historic roots in the distant medieval past. Dressed in cap and gown, graduates and professors form part of a long tradition, which dates back to Paris, Bologna, Oxford and Cambridge.

The precise origins of the several parts of the academic garb are not easy to discover. However, since medieval students enjoyed the status of clerics during their university years, one may assume that their attire found its inspiration in the clerical dress of medieval times. The gown seems to be an adaptation of the robe of the friar or priest; the hood resembles the monk's or friar's cowl; and the mortarboard cap may have evolved from the skullcaps that were needed to protect against the drafts of medieval classrooms.

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

**THE GOWN**

The bachelor's gown is a yoked, closed-front garment, with long, pointed sleeves; the master's gown 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. 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 his/her school color or black.

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 that 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

**THE CAP**

The mortarboard has become the universally accepted style in colleges and universities of the United States. Many European institutions still retain distinctive forms of academic headdress.

The doctor, following graduation, has the right to wear a gold tassel on the mortarboard; black, however, is perfectly proper. The practice of varying the color of the tassel on the others has gained acceptance:

- **White** for Arts
- **Gold-Yellow** for Science
- **Dark Blue** for Philosophy
- **Light Blue** for Education
- **Drab Brown** for Commerce
- **Red** for Technology
- **Purple** for Law
- **Orange** for Engineering

**THE HOOD**

The hood at first seems to have been worn over the head and was attached to the gown. When the skullcap was introduced, the hood was retained but detached and worn much as it is today. Each degree (bachelor, master, doctor) has a special hood, which varies in length. The doctor's also varies 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 gold chevron on the field of royal blue. The colored velvet binding or edging of the hood, in different widths for the bachelor, 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 particular field of graduate study is indicated by the color of the satin binding:

- **Gold** for Human Factors and Systems
- **Lemon** for Engineering Physics
- **Silver** for Aeronautics
- **Drab Brown** for Business Administration, Business Administration in Aviation Management, Aviation Finance, and Project Management
- **Orange** for Aerospace Engineering, Cybersecurity Engineering, Electrical and Computer Engineering, Mechanical Engineering, Software Engineering, Unmanned and Autonomous Systems Engineering, Software Engineering, and Multidisciplinary Engineering

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On behalf of the Office of Alumni Engagement, we welcome you to the Embry-Riddle alumni family. This day of celebration is all about you and your accomplishments. You are now among more than 139,000 fellow alumni located around the globe, forever united through your shared passion and experiences at Embry-Riddle.

We know that you will soar to new heights as leaders in your industries, careers, communities and countries. As you progress in your careers, we will provide you with services and programs to enhance your alumni experience and support your professional development.

Please wear your Embry-Riddle pin with pride, as it is a symbol of your alma mater. We encourage you to stay connected by updating your profile at [alumni.erau.edu](http://alumni.erau.edu) and sharing your achievements. The information you share may be highlighted in *eagleNEWS*, our monthly alumni newsletter, or *Lift*, our alumni magazine.

When you have the opportunity, visit any of your campuses; attend alumni networking events and homecomings; and always help your fellow Eagles when they need employment, mentorship, guidance and support.

### Congratulations and remember, you are Forever an Eagle!

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FOREVER AN EAGLE

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## 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.



FOREVER AN EAGLE