FALL COMMENCEMENT  
Monday, December 16, 2019

NATIONAL ANTHEM
“The Star Spangled Banner”
Oh say, can you see, by the dawn’s early light
What so proudly we hailed at the twilight’s last gleaming?
Whose broad stripes and bright stars through the perilous fight,
O’er the ramparts we watched, were so gallantly streaming?
And the rockets’ red glare, the bombs bursting in air
Gave proof through the night that our flag was still there.
Oh, say, does that Star-Spangled Banner yet wave
O’er the land of the free and the home of the brave?

Francis Scott Key

ALMA MATER
Hail to thee proud UAH in loyalty we stand.
We give thee thanks for happy days beneath your guiding hand.
Often we will praise thy name as in the world we go.
We lift our voice our songs to sing all praise to UAH!

Arranged by C. David Ragsdale, Ph.D.

SIGN LANGUAGE
The interpreter will be positioned on the left of the stage.

PROGRAM
The commencement program is a roster of candidates, not an official list of graduates. Appropriate degrees and honors will be awarded to candidates who successfully complete all requirements by established deadlines. The posting of the earned degree on the official university transcript is the institution’s affirmation of possession of the degree. Honors indicated in the program are based on grades for semesters completed prior to the last semester. Actual honors for all completed work will be subsequently calculated and will appear on the official transcript and diploma.
ORDER OF EXERCISES

December 16, 2019
10 A.M. and 2:30 P.M.

PRELUDE
UAH Wind Ensemble
Dave Ragsdale, Ph.D.

CALL TO ORDER
Brent Wren, Ph.D.

PROCESSIONAL
“Pomp and Circumstance Op. 39: March No. 1, In D Major”
by Sir Edward Elgar

PRESENTATION OF THE COLORS AND THE NATIONAL ANTHEM
Reserve Officers’ Training Corps
Matthew Carey, Ph.D.
Soloist

INVOCATION

WELCOME AND INTRODUCTION
Brent Wren, Ph.D.

COMMENCEMENT ADDRESS

Dale Thomas, Ph.D., Professor and Eminent Scholar
College of Engineering, ISEEM Department

Gary Zank, Ph.D., Trustee Professor, Eminent Scholar,
Aerojet Rocketdyne Chair, Professor and Chair, Director of CSPAR
College of Science, Space Science Department

CONFERRAL OF DEGREES
Darren Dawson, President

ALMA MATER
Matthew Carey, Ph.D.
Please stand and sing

RECESSIONAL
Audience remains standing
DALE THOMAS, PH.D.  
Professor and Eminent Scholar  
College of Engineering, ISEEM Department  
10 A.M. SPEAKER

Dale Thomas currently serves as a Professor and Eminent Scholar of Systems Engineering in the Department of Industrial and Systems Engineering and Engineering Management at the University of Alabama in Huntsville (UAH). He teaches system engineering students in the art and science of systems architecture and design, systems integration, test, and verification, and systems management. Dale also serves as director of the Alabama Space Grant Consortium and as deputy director of the UAH Propulsion Research Center.

Prior to his retirement from NASA in July 2015, Dale served as the Associate Center Director (Technical) for the NASA Marshall Space Flight Center (MSFC) in Huntsville, Alabama, providing technical leadership for all MSFC spaceflight projects. He had previously served as the NASA Constellation Program Manager, leading the Constellation Program Office at Johnson Space Center in Houston, Texas, leading a nationwide team including all NASA field centers and five prime contractors.

Dale began his NASA career at the MSFC in 1983 as an aerospace engineer in the Systems Analysis and Integration Laboratory. He has held various positions during his career at Marshall and within NASA, including manager of the International Space Station Vehicle Analysis and Integration Team at Johnson Space Center in Houston, Chief of the MSFC Systems Test Division, lead systems engineer for NASA’s Space Launch Initiative, and Chief of the MSFC Systems Engineering Division.

He has earned numerous awards over his career including the Presidential Rank Award within the US Government Senior Executive Service, the NASA Medal for Outstanding Leadership (twice), and the Silver Snoopy Award, presented by astronauts to NASA employees for their contributions to the success of the human spaceflight programs. He has authored numerous technical papers and chapters in two textbooks, and served as editor for the systems engineering textbook Applied Space Systems Engineering. He co-chaired the Space Systems Committee of the International Astronautical Federation.

A 1977 graduate of Albertville High School in Albertville, Ala., he received his doctorate and bachelor’s degrees in engineering from the University of Alabama in Huntsville, and his master’s degree from North Carolina State University in Raleigh.
Gary Zank is a space physicist who works on the physics of the solar wind, especially its interaction with the local interstellar medium, the acceleration and transport of energetic particles, turbulence, and shock waves. He is currently the first University of Alabama Board of Trustees Trustee Professor, and holds the Aerojet/Rocketdyne Chair in Space Science. He is also an Eminent Scholar and Distinguished Professor in the Department of Space Science at the University of Alabama at Huntsville (UAH), of which he is Chair, and Director of the Center of Space Physics and Aeronomic Research at UAH. Zank grew up in South Africa, graduating from the University of Natal with a BSc (Hons.) and a PhD. He was a Max-Planck Post-Doctoral Fellow in Germany and Bartol Research Institute Post-Doctoral Fellow, before joining the faculty of the Bartol Research Institute of the University of Delaware. Prior to his joining UAH in 2008, Zank was the Chancellor’s Professor of Physics and Astronomy at the University of California, Riverside. He was the System-wide Director of the Institute of Geophysics & Planetary Physics at the University of California and the campus Director of the Institute of Geophysics & Planetary Physics at the University of California, Riverside. Zank is a Fellow of the American Physical Society, the American Association for the Advancement of Science, the American Geophysical Union, and an Honorary Member of the Asia, Oceania Geosciences Society (AOGS). His awards include the Zeldovich Medal (COSPAR) and the Axford Medal (AOGS). He was elected a Member of the National Academy of Sciences in 2016.

Gary Zank’s research interests extend across space physics, plasma astrophysics, and plasma physics. Although his research is related primarily to theory, modeling, and simulations, Zank is involved in numerous experimental and observational programs. Some areas of research include the interaction of the solar wind with the partially ionized interstellar medium. Zank and colleagues introduced models that include the coupling of the partially ionized interstellar gas with heliospheric plasma, which led to the prediction and subsequent observation of the so-called hydrogen-wall. Related work using Lyman-alpha absorption measurements led to the discovery of an extra-solar hydrogen-wall at alpha-Cen, and the discovery of a solar-like stellar wind from another solar-like star (alpha-Cen). Work on interstellar pickup ions showed that pickup ion reflection is the primary dissipation mechanism at the heliospheric termination shock, a result that was confirmed by Voyager 2 12 years later. Zank and colleagues explored turbulence throughout the heliosphere, developing models of so-called nearly incompressible magnetohydrodynamics as well as transport models for turbulence. This work underpins the scattering of charged particles and the heating and driving of the corona and solar wind throughout the heliosphere, making the broader implications of this work substantial. Zank has led the development of a quantitative understanding and modeling of gradual solar energetic particle events, energetic particles accelerated by shock waves driven by coronal mass ejections.
THE 2019 GRADUATION CANDIDATES

Doctoral Degrees

COLLEGE OF ENGINEERING
Doctor of Philosophy

Fathi Mohammad Aldukali
Field: Electrical Engineering
Dissertation: “Hybrid Impulsive Higher Order Sliding Mode Control”
Advisor: Dr. Yuri Shtessel

Tamara Grooms Baker
Field: Civil Engineering
Dissertation: “Development of Composite Honeycomb Protective Structures for Above-Ground Steel Storage Tanks Against Wind-Borne Debris”
Advisor: Dr. Hongyu Zhou

Robert Maximilian Braunger
Field: Industrial and Systems Engineering
Dissertation: “Technical Reviews in Complex Development Programs”
Advisor: Dr. Paul Collopy

Tyler John Englestad
Field: Mechanical Engineering
Advisor: Dr. Jason Cassibry

Muhammed E. Gulduren
Field: Electrical Engineering
Dissertation: “Optically Modulated Terahertz Metamaterials Using Liquid Crystals”
Advisor: Dr. Robert Lindquist

Deepa Kodali
Field: Mechanical Engineering
Advisor: Dr. Chang-kwon Kang

Matthew Alan Nicely
Field: Computer Engineering
Dissertation: “Parallel Implementation of Resampling Methods for Particle Filtering on Graphics Processing Units”
Advisor: Dr. B. Earl Wells

Matthew Eliot Pinkston
Field: Mechanical Engineering
Dissertation: “Development of Carbon Reinforced High Performance Cementitious Composites (CRHPC2) for Reverse Bending”
Advisor: Dr. Gang Wang

Mounika Ponugoti
Field: Computer Engineering
Dissertation: “Hardware Data Value Tracing in Multicores”
Advisor: Dr. Aleksandar Milenkovic

Pooja Parvathy Preetha
Field: Civil Engineering
Advisor: Dr. Ashraf Z. Al-Hamdan

Zhenglai Shen
Field: Civil Engineering
Advisor: Dr. Hongyu Zhou

Tom Stockman III
Field: Mechanical Engineering
Advisor: Dr. Judith Schneider

Mengying Su
Field: Mechanical Engineering
Dissertation: “Investigations of Augmented Heat Transfer Due to Elastic Instabilities within Low-Inertia Flows with Streamline Curvature”
Advisor: Dr. Phillip Ligrani

COLLEGE OF NURSING
Doctor of Nursing Practice

Krysten Arekapudi
DNP Project: “Utilizing Asthma Action Plans to Improve Self-Efficacy Related to Student Asthma Management Among Elementary and Pre-School Faculty and Staff”
Advisor: Dr. Casey Norris

Amy L. Beck
DNP Project: “Increasing HPV Vaccine Uptake Through Implementation of an HPV Protocol”
Advisor: Dr. Ann Bianchi

Lindsay E. Bridges
DNP Project: “Improving Nutritional Habits of Preschoolers Through Parent Education”
Advisor: Dr. Ellise Adams

Kimberly K. Budisalich
DNP Project: “A Process Improvement Initiative on Medication Reconciliation”
Advisor: Dr. Lori Lioce

Anna Marie Cook
Advisor: Dr. Lenora Smith

Erin Danielle DeBruyn
DNP Project: “Improving Prenatal Care: Implementing Screening, Brief Intervention, and Referral to Treatment Protocol for Women Using Opioids during Pregnancy”
Advisor: Dr. Azita Amiri

Elizabeth R. Elmore
DNP Project: “Evaluating an Interprofessional Education Program for Sustainability”
Advisor: Dr. Amelia Lanz

Dana Essner
DNP Project: “Improving Quality of Life in Menopausal Women Through Lifestyle Management: A Web-Based Health Promotion Project”
Advisor: Dr. Lynx McClellan

Amy Evans
DNP Project: “Effective Communication in the Operating Room: A Quality Improvement Project”
Advisor: Dr. Ellise Adams

Ivy Akua Fenin
DNP Project: “Adaptation of Clinical Guidelines: Strategic Effort for Improving Childhood Obesity Screening in a Pediatric Clinic”
Advisor: Dr. Casey Norris

Bethany McNaught Gilbert
DNP Project: “Evaluation of an Antibiotic Stewardship Program for Management of Urinary Tract Infection in a Long-Term Care Facility”
Advisor: Dr. Louise O’Keefe
Doctoral Degrees

Carey Jennifer Haugen
DNP Project: “Peer Mentoring: Improving Health Outcomes in Dialysis Patients”
Advisor: Dr. Azita Amiri

Kelly Amanda Jackson
DNP Project: “Decreasing Morphine Equivalent Daily Doses of Chronic Noncancer Pain Patients”
Advisor: Dr. Casey Norris

Cynthia Jean Lewis
DNP Project: “An Initiative to Improve Adherence Rates for Annual Eye Exams in Older Adults with Diabetes”
Advisor: Dr. Marlena S. Primeau

Ndongo Ekema Likemsi
DNP Project: “Improving the Accuracy of Risk Prediction for Pressure Ulcers in Residents of Long-Term Care Facilities”
Advisor: Dr. Susan Alexander

Mark Erwin Santos Lopez
Advisor: Dr. Angela Hollingsworth

Charlene Middlebrooks Martin
DNP Project: “The Effect of Increased Code Blue Training on Timeliness of Code Response and Competency in Resuscitation Procedures at an Inpatient Correctional Medical Facility”
Advisor: Dr. Sharon Coffey

Jack Joseph Mayeux
Advisor: Dr. Yeow Chye Ng

Tracie Clark Morgan
DNP Project: “Implementation of a Behavioral Parent Training Program in a Behavioral Health Practice”
Advisor: Dr. Louise O’Keefe

Angela Jean Orsborn
DNP Project: “Implementation of a Psychological First Aid Protocol Related to Secondary Trauma in Volunteer First Responders”
Advisor: Dr. Marlena Primeau

Sherry Lynn Pass
DNP Project: “Enhancing Bedside Nurses’ Knowledge of Health Literacy and the Likelihood of Utilizing a Health Literacy Tool in a Pediatric Hospital”
Advisor: Dr. Louise O’Keefe

Suzanne E. Slovak
DNP Project: “Initiation of a Health Promotion Program in Chronic Disease Self-Management for Senior Center Participants”
Advisor: Dr. Lenora Smith

Tyler Lee Sturdivant
DNP Project: “Implementing and Evaluating a Nurse-Physician Bedside Rounding Protocol to Improve Patient Outcomes in an Acute Care Organization”
Advisor: Dr. Mark Reynolds

Shunkeetha Latrice Totsch
DNP Project: “Effects of Increased Indoor Cycling Activity on Exercise Motivation, Body Image, and Health Perception in the Adult Female Population”
Advisor: Dr. Angela Hollingsworth

Jennifer Turner
DNP Project: “Universal Prenatal Substance Use Screening Protocol”
Advisor: Dr. Ellise Adams
Master’s Degrees

**COLLEGE OF ENGINEERING**

**Master of Science**

- **Austin David Avery**  
  Aerospace Systems Engineering
- **Sattik Basu**  
  Aerospace Systems Engineering
  Thesis: “On the Neumann Boundary Condition for the Acoustic-Wave Helmholtz Equation, and the Relationship Between Pressure and Density Fluctuations”  
  Advisor: Dr. Brian Landrum
- **Dennis D. Nikitiev**  
  Aerospace Systems Engineering
  Thesis: “Seeding Hydrogen Propellant in Nuclear Thermal Propulsion Engines”  
  Advisor: Dr. Robert Frederick
- **Isheeta Sunil Ranade**  
  Aerospace Systems Engineering
- **Jordan Terrell**  
  Material Science
- **Tabor Walker Tritschler, Jr.**  
  Aerospace Systems Engineering

**Master of Science in Engineering**

- **Fathi Mohammad Aldukali**  
  Electrical Engineering
- **Hayden L. Arceneaux**  
  Mechanical Engineering
  Advisor: Dr. Sarma L. Rani
- **Bardia Barkhordar**  
  Civil Engineering
- **Abhijith Bellamkonda**  
  Mechanical Engineering
- **Elaine Leigha Boyd**  
  Computer Engineering
- **Michael M. Boyd**  
  Mechanical Engineering
- **Ronald J. Brandenburg**  
  Industrial and Systems Engineering
- **Connor David Brown**  
  Electrical Engineering
- **Benjamin Colton Browning**  
  Industrial and Systems Engineering
- **Erik William Buatte**  
  Industrial and Systems Engineering
- **Vanessa L. Cardwell**  
  Industrial and Systems Engineering
- **Casey Hatcher Cooper**  
  Industrial and Systems Engineering
- **Katherine Cottingham**  
  Civil Engineering
- **Andrew David Czap**  
  Electrical Engineering
- **Rishabh Das**  
  Computer Engineering
- **Andrew Michael Davis**  
  Industrial and Systems Engineering
- **Meher K. Dhamoon**  
  Industrial and Systems Engineering
- **Chance N. Fowler**  
  Electrical Engineering
- **Ray Hall, Jr.**  
  Civil Engineering
- **River Steven Haring**  
  Mechanical Engineering
- **Yawen He**  
  Civil Engineering
- **Paul Adam Henny**  
  Computer Engineering
- **Robert Dalton Hicks**  
  Mechanical Engineering
- **Nathan Daniel Kennedy**  
  Industrial and Systems Engineering
- **Naoki Nakajima**  
  Electrical Engineering
  Advisor: Dr. Fat Ho
- **Harsha Bhanuka Bandara Ganegoda**  
  Computer Engineering
- **Nautilus Cardiovascular Systems, Inc.**  
  Internship
- **Maliha Lubna**  
  Industrial and Systems Engineering
- **Christopher G. McDonald**  
  Industrial and Systems Engineering
- **Thomas Kyle McInnis**  
  Industrial and Systems Engineering
- **Calvin M. Montgomery**  
  Industrial and Systems Engineering
- **Naoki Nakajima**  
  Electrical Engineering
  Advisor: Dr. Fat Ho
- **Harsha Bhanuka Bandara Ganegoda**  
  Computer Engineering
- **Pahala Baruwalthege, University of Colombo**  
  Internship
- **James David Pearce**  
  Electrical Engineering
- **Luis E. Pedraza Colon**  
  Mechanical Engineering
- **Akhileswar Rao Polsani**  
  Mechanical Engineering
- **Meredith Lawson Poore**  
  Civil Engineering
- **Akhil Rapala**  
  Computer Engineering

- **Nathan Hunter Gilbert**  
  Aerospace Systems Engineering
- **Grayson C. Jones**  
  Aerospace Systems Engineering
- **Michael S. Koenig**  
  Aerospace Systems Engineering
- **Shreyas Lakshmipuram Raghu**  
  Aerospace Systems Engineering
- **Victor Emmanuel Pierre Lopez**  
  Aerospace Systems Engineering
  Advisor: Dr. Dale Thomas
- **Gabriel Marcilio Cavalheiro**  
  Aerospace Systems Engineering
  Thesis: “Effects of Non-Uniform Temperature Distribution on Degradation of Lithium-Ion Batteries”  
  Advisor: Dr. Guangsheng Zhang
- **Jesse L. McCain**  
  Aerospace Systems Engineering
  Thesis: “Experimental Force and Wing Motion Measurements of a Bioinspired Flapping Wing in a Martian Density Condition”  
  Advisor: Dr. Chang-kwon Kang
- **Fathi Mohammad Aldukali**  
  Electrical Engineering
- **Hayden L. Arceneaux**  
  Mechanical Engineering
  Advisor: Dr. Sarma L. Rani
- **Bardia Barkhordar**  
  Civil Engineering
- **Abhijith Bellamkonda**  
  Mechanical Engineering
- **Elaine Leigha Boyd**  
  Computer Engineering
- **Michael M. Boyd**  
  Mechanical Engineering
- **Ronald J. Brandenburg**  
  Industrial and Systems Engineering
- **Connor David Brown**  
  Electrical Engineering
- **Benjamin Colton Browning**  
  Industrial and Systems Engineering
- **Erik William Buatte**  
  Industrial and Systems Engineering
- **Vanessa L. Cardwell**  
  Industrial and Systems Engineering
Master’s Degrees

David G. Ritchie
Mechanical Engineering
Thesis: “Synthesis of Silverthin Films via Atomic Layer Deposition”
Advisor: Dr. Yu Lei

William K. Sienicki
Chemical Engineering
Advisor: Dr. Jeffrey Long

Ciarra Anjel Smith
Industrial and Systems Engineering

Umeshwarnath Surendranathan
Electrical Engineering
Thesis: “Wi-Fi 6: Performance Analysis of IEEE 802.11AX”
Advisor: Dr. Laurie Joiner

Victor J. Tapia
Electrical Engineering
Heather M. Thomas
Industrial and Systems Engineering

William Glenn Tilson
Mechanical Engineering
Thesis: “An Investigation into a Proposed Size-Insensitive Fracture Toughness Parameter Obtained from Quasi-Static Fracture Toughness Tests”
Advisor: Dr. Judith Schneider

Luke X. Viegas
Chemical Engineering
Advisor: Dr. Carmen Scholz

Tiffany Nicole Walden
Electrical Engineering

Micah David Witt
Industrial and Systems Engineering

Candance Bailey
Stephanie Michelle Biggs
Tammy Blackmon
Katie Jane Bonar
Rachel Lynn Bond
Adriane Elaine Boswell
Claire Kathryn Bruce
Mary Buxton
Christopher Adam Bynum
Corey Cahill
Jennifer Dawn Camp
Rachel Camp
Heather N. Campbell
Jeremy Wayne Carroll
Mandy Edwards Caruso
Sabrina Rose Cassels
Kelsey Leigh-Ann Clark
Mark Jason Cobb
Carly Ann Cooke
Tara Cooley
Denise Cortez
Staci Nashaye Crawford
Michael Joseph Crow
Meagan Curtis
Justina Sue Daley
Sarah Heimsness Davis
Jessica L. Dempsey
Hannah L. Denton
Sarah Joseph DiGiorgio
Erica N. Edwards
Ashley Connell Elkabetz
Annette Elliott Sullivan
Crystal Baker English
Pamela Ann Ewell
Ashley F. Froscello
Claudia Shea Gallenstein
Melissa Leighann Garcia
Tiffany Cherone Garrett
Blake Gilliam
Jelisa Cherelle Goode
Christopher G. Gulledge
Jenny Lynna’ Gibbs Hall
Esther Miranda Hambrick
Linda Angell Hanson
Steffany Rae Hauenstein
Kristen Danielle Heideger
Noelle Christine Henderson
Ronald Wayne Hibbs, Jr.
Katherine Neill Hicks
Candace Hiland
Jacob S. Hill
Sara Hopper
Blair Michael Hunter
Sarah A. Jean
Anna Lewis Jones

Jennifer Vaught Jones
Jessica Lyn Jordan
Whitney Jelahn Jordan
James Keeton
Ashlie Kerr
Sana Kausar Khan
Elena Mihaela Kruse
Megan Shahan Ladner
Hannah Martin Landers
Megan A. Lang
Irene Leazenby
Stephanie Diane Lee
Hannah Kalyn Long
Tomecka Lashea Loveless
Kareena Lowery
Sarah Jean Malone
Tiffanie Marrell Marshall-McGuire
Heather Kilpatrick McAlister
Shelly Akins McCoy
Rebecca C. McDaniel
Rachel Graham McMahl
Angela McNutt
Tammy McWhirter
Keesha Lea Medley
Lori Atchley Mitchell
Tiffany Lorraine Moseley
Sandra Munter
Rachel Stephens Nichols
Idara Oluwaseun Oyekanmi
Natalie Pachinger
Olivia Hallie Palmer
Nidhiben Patel
Ranjanben B. Patel
Claremos Michelle Patterson
Kelly M. Pearson
Valerie Nash Perkins
Morgan Leigh Pewitt
Deborah Lynn Pike
Julie Byrd Poe
Robert Eugene Presson III
Samantha L. Pritchett
Zachary D. Quintana
Mary Ann Randel
Maria Rigby
Allison Claypool Rogers
Jennifer Christi Rutledge
Antris Scales
La Tonya D. Scott
Vadus Frank Seale
Ashley Sears
Katherine Ruth Sherrouse
Alaina Shockley
Prem Shrestha
Angel Marie Simpson
Angela Denise Marsha Simpson

Master of Science
in Operations Research

Amy Kathleen Bullington

COLLEGE OF NURSING
Masters of Science in Nursing

Janice Abrams
Holly Suzanne Adams
Anthony Ainslie
Esther Amprofi
Danielle Anderson
Holly Berryman Backe
Master’s Degrees

Hye Gyeong Sin
Jennifer Slater
Suzanne E. Slovak
Christine Kay Smith
Kristen Lamm Smith
Mary Elaine Sparks
Tye Springer
Savanna Stanfield
William Jackson Steele Sr.
Shawn Timothy Stevens
Nicole Vickery Stinson
Anne Marie Strickland
Haley Stuart
Crystal Jane Suggs
Alexandria N. Summers
Lauren Christine Tharp
Brandi Leanne Thoma
Jennifer Thorn
Ashley Lynn Tomalty
Ashley Paige Tomlin
Jocelyn Marie Turner
Toya Renee Turner
Starr Ellen Valerio
Katelyn Denise Walker
Spencer Riley Wallace
Stacey R. Warden
Anita Wheatley
Jessica Brookshire Williams
Sarah Elisabeth Wilson
Jimmy Winn
Ashley Rae Woodcock
Honor Graduates

**SUMMA CUM LAUDE**
3.9 - 4.0 on course work

Mohammad Einaamul Alim  
Tiffany Butler Amos  
Stephen Randolph Boyett, Jr.  
Audrey L. Crenshaw  
Kathryn Dasilva  
Brittany Davis  
Trenton Reed Fondren  
Summer Ashley Gill  
Leonard Charles Glynn, Jr.  
Felicia M. Harris  
Hannah McFall Heintz  
Sheri Hiefner  
Caitlin C. Ingram  
Atchima Klomkaew  
Cassandra Jean Lyon  
Alexis Mahaffey  
Carter D. McDonald  
Lori Lynne Pigg  
Soo Yun Rhee  
Courtney Mae Roberts  
Nena Chanelle Rose  
Carlie Anastasia Rutledge  
Rebekah Anne Sorrells  
Christopher Daniel Taylor  
Melisa Chasity Taylor  
Allison Thrasher  
Ginny Westbrook  
Laura Motes Wiedeman

**MAGNA CUM LAUDE**
3.7 - 3.899 on course work

Ryan M. Ackermann  
Jennifer Lynn Avans  
Jacob W. Barnett  
Tara Celeste Bustos  
Laura Nicole Campbell  
Elizabeth Rose Cavin  
Abigail Renee Cavin  
Stephanie Leann Garmany  
Andrew Thomas Gourley  
Hannah Graves  
Anna Jordan  
Jessica Behrens Kuykendall  
Nathanael S. McCafferty  
Jamie Moore  
Joseph Michael Patterson  
Hunter W. Phillips  
Kaila D. Poleon  
Shaquenta Powe  
Leigh Grace Rose  
David Seth Smith  
Brittany Nichole Swinford  
Evan C. Swinney  
William Isaac Watson  
Tiffany Marie Wilburn  
Shelton Ray Wright

**CUM LAUDE**
3.4 - 3.699 on course work

Catalina Alemany  
Prathmesh Shrikant Anantwar  
Mohammed Zainuddin Ansari  
Marc Raymond Baker  
Sarah Elizabeth Bonnell  
McKenzie Kaye Breeding  
Connor M. Broadley  
Dawn Davis Brown  
Kaitlyn Stevie Cartee  
Ashley Clark  
Caitlin Joanne Coogan  
Martha Jane Dover  
Kathryn Phillips Duke  
Adam L. Dumbacher  
Connor R. Eckenrod  
Avery S. Fairbanks  
Marissa Lee Fowler  
Leslie M. Hammond  
Brandon Lee Humphrey  
John Davis Hunter  
Kathryn Lynn Kennedy  
Sakurako Kuba  
Dallas A. Mayer  
Cassandra McBride  
Victoria Paige McLaughlan  
Bruna Martins Mendonica  
Caroline B. Meyers  
Jasmine Rashawn Miller  
Preston H. Miller  
Sean Zhou Morash  
Luke William Morrow  
Kathie Louise Neal  
Rodrigo Javier Palominos Haddad  
Crystal Ann Parker  
Nathan E. Perinovic  
Dakota M. Pritchard  
Felicia Seals  
Rachel Marie Snider  
Stacy Lynn Solomon  
Lynn Twombly  
Jason Daniel Wilkinson

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Honors indicated in the program are based on grades for semesters completed prior to the last semester. Actual honors for all completed work will be subsequently calculated and will appear on the official transcript and diploma.
Bachelor’s Degrees

COLLEGE OF ENGINEERING
Bachelor of Science
in Aerospace Engineering

Daniel T. Aiken
Alexander Ryan Blythe
Dakota K. Bowman
Jeffrey H. Dean
†Avery S. Fairbanks
   Thesis: “Louver Cooling Within
   a Double Wall Cooling Configuration
   with Effusion, Cross Flow and
   Impingement Cooling”
   Advisor: Dr. Phillip Ligrani
Carson Franks
Taylor D. Humphrey
John Davis Hunter
Takuto Iriyama
Russell Whit Ivey
Sakurako Kuba
Elizabeth Ann McDaniel
Ian Andrew Slamn
Kelby L. Starchman
Brian Michael Wagner

Bachelor of Science
in Chemical Engineering

Heikki Esli Charneco
Hannah McFall Heintz
Bruna Martins Mendonca
Kennedy P. Miller
Rodrigo Javier Palominos Haddad
Nathan E. Perinovic
Jonathan Tilley
Vu Ton
Hayley Fay Williams

Bachelor of Science
in Civil Engineering

Anna Rebecca Benson
Abigail Renee Christopher
Austin H. Waites

Bachelor of Science
in Computer Engineering

Ryan M. Ackermann
Mohammad Einamul Alim
Dave L. Bonham
Stephen Randolph Boyett, Jr.
Irene Cervantes
William Isaac Cunningham
Haley E. Delmas
Adam L. Dumbacher
Colin David Finley
Evon R. Jaramillo
Joseph C. Kerns
Atchima Klomkaew
Aaron Thien-duc Nguyen
John M. Salajka, Jr.
Derek A. Santiago II
Evon C. Swinney
†Christopher Daniel Taylor
   Thesis: “PPS Detection Circuit: An
   MSP430 Based Hardware Design”
   Advisor: Dr. Aleksandar Milenkovic
Elena Todorovska
Brendan Matthew Walker
William Isaac Watson

Bachelor of Science
in Electrical Engineering

Sangita Adhikari
Mohammad Einamul Alim
Alejandro R. Bernardino Rojo
Tariq Jalen Bey
Connor M. Broadley
Teven Akeem Buchanan
Matthew Timothy Davis
Christian J. Erickson
Darrian Ga’Juan Ethridge
Tanner Wade Heflin
Patricia Kudijah Hollington
Andrew Limon Lopez
Kevin J. Mai
Aaron P. Mashburn
Jonathan P. Mason
Dallas A. Mayer
Nathanael S. McCafferty
Douglas Jason Miller
Eric Duy Anh Nguyen
Thomas Pitts
Travis Rayburn
Benjamin H. Roberts
Kimberly Nicole Robinson
Joshua Manuel Sanchez
Ethan D. Wallace
William Isaac Watson
Thad Joseph Wooley
Shelton Ray Wright

Bachelor of Science
in Industrial and Systems Engineering

Christine N. Aldijallal
Ta’Derrius Marcqel Alexander
Marc Raymond Baker
Jacob W. Barnett
Megan Berstall
Laura Nicole Campbell
†Elizabeth Rose Cavin
   Thesis: “Application of
   Acquisition Theory”
   Advisor: Dr. Paul Collopy
Joshua Bernard Christmas
Connor R. Ekenrode
Marlee Marie Hernandez
Tish Peterson Madej
Austin L. Malone
Joseph Michael Patterson
Justin Leland Ruehl

Bachelor of Science
in Mechanical Engineering

Hunter Lee Adams
Mohammed Turki Alotaibi
Pratmesh Shrikant Antanwar
Cameo Ray Balogh-Berry
Joey Nicholas Blackwood
Bradley Conn Britton
Jacqueline Pepper Bryant
Brandon Alan Carr
Adam Cedrone
Joshua A. Claytor
Brian Cochran
Jake Atom Davenport
Jeffrey Tyler Davidson
Cody T. Eberly
Ryan Nicholas Edwards
Jared Nathaniel Ford
Johnathon W. Gentz
Brandon Carvil Gillespie
Austin Taylor Grace
Brandon M. Hatch
Brandon Lee Humphrey
Brantlee R. Jackson
Aaron Scott Jerome
Christopher Teel Johnson
Bronson Joseph
Mark Joseph Keane
Matthew Ray Kelley
Camren E. Ley
Jon Michael Martin
Ethan M. McMurray
† Honors College Graduate
Bachelor’s Degrees

10 A.M. CEREMONY

Caroline B. Meyers
Luke William Morrow
Cameron Hunter Norton
† Darren P. O’Donnell, Jr.
  Advisor: Dr. Paul Collopy
Hunt W. Peebles
† Hunter W. Phillips
  Advisor: Dr. P. J. Benfield
† Dakota M. Pritchard
  Thesis: “PerMayLock – A Fail-Secure Alternative”
  Advisor: Dr. Matthew Turner
Scott T. Randolph
Soo Yun Rhee
Grant J. Sgarlata
Kristopher A. Short
Brandon Chase Starnes
Alexander Steel
Jason Daniel Wilkinson
Joshua Woods

Bachelor of Science in Optical Engineering

Christopher H. Layne

COLLEGE OF NURSING

Bachelor of Science in Nursing

CatalinaAlemany
Jessica LucasAltamirano
Tiffany ButlerAmos
Mohammed ZainuddinAnsari
Jennifer LynnAvans
Lexi D. Beach
Sarah ElizabethBonnell
Caitlin JeanBoyington
Shonda ShareeBrand
McKenzie KayeBreeding
Dawn DavisBrown
Tara CelesteBustos
Taylor Carlisle
Kaitlyn StevieCartee
Akeyla D. Chatman
Ashley Clark
Emma MarieColley
Meagan Collins
Haleigh MarieComp

Caitlin JoanneCoogan
Amanda MichelleCorum
David Crabtree
Emily CatherineCraig
Audrey L. Crenshaw
Haley MichelleCrumbaugh
KathrynDasilva
Brittany Davis
Bonnie Diehl
Kathryn MichelleDietz
Ashley NicoleDonahue
Martha JaneDover
Sydney Brie Droppleman
Kathryn PhillipsDuke
Evette Dulay
Mary Kathynie Edwards
Isabelle V. Feliciano
Trenton ReedFondren
Kaydee AllynFoster
Marissa LeeFowler
Alexus ShantaFriend
Lucy C. Fulcher
Chasity Fuqua
Stephanie LeannGarmany
Matlie Garner
Charlsie AnnGarrett
Summer AshleyGill
Mary ElizabethGiuntini
Emma D. Glubrecht
Leonard CharlesGlynn, Jr.
Andrew ThomasGourley
Hannah Graves
Rachel AutumnHall
John Cody Hambright
†Leslie M. Hammond
  Thesis: “Perceived Stress and the Risk of Developing Prediabetes in College Students”
  Advisor: Dr. Lynx McClellan
Erin LeeanHandley
Alicia Harris
Felicia M. Harris
Leslee MorganHasty
Hannah Hawkes
Mary LouiseHeatherly
Kayla Hebert
Sheri Hiefner
Sean KevinHipe
Alexandra ThurberHisaw
Aaron HowardHouck
Catherine N. Huynh
Caitlin C. Ingram
Tiffany Dawn Isbell
Irish Natsumi Ishii
Baylee ShayJohnson

Bailey Rena Jones
Anna Jordan
Kathryn Lynn Kennedy
Gabrielle Nicole Kind
Jessica BehrensKuykendall
Cassandra D. Lebut
Cierra HaleyLester
Hunter DennisLewis
Hannah A. Lupo
Cassandra JeanLyon
Alexis Mahaffey
Sydney M. Marbut
Caroline ElizabethMarsh
Demetria SierraMason
Tessa KristineMaynard
Ella ChandlerMcAneal
Cassandra McBride
Courtney JeanMcClaffin
Xiomara YamilethMcCready
Carter D. McDonald
Victoria PaigeMcLaughlan
Sydney CherylMcLendon
Jasmine RashawnMiller
† Preston H. Miller
  Thesis: “Correlation Among ICU Nurses’ Reported Perceived Pharmacological Knowledge and Confidence”
  Advisor: Mr. Ron Bolen
Jamie Moore
† Sean ZhouMorash
  Thesis: “Fighting Cancer Fatigue: A Look at Complementary and Integrative Medical Therapies”
  Advisor: Dr. Sharon Coffey
Kathie LouiseNeal
Kim T. Nguyen
ThanhTrucVo Nguyen
Lindsey RebeccaNorris
Kyle D. Overmyer
Crystal AnnParker
April MichellePatellis
Cameron M. Penton
Lori LynnePigg
Kaila D. Poleon
Caitlyn Posey
ShaquentaPow
Megan BrookePowers
Alexandra NicolePruneski
Claire ElizabethPursifull
Summer NicoleQualls
Courtney MaeRoberts
Leigh GraceRose
Nena ChanelleRose
Taylor MakensieRowe

† Honors College Graduate
Bachelor’s Degrees

Maria Lidia Ruiz Sanchez
Carlie Anastasia Rutledge
Claudia Satterfield
Felicia Seals
Jilicia Anndrell Sharpe
Anna Leigh Shehorn
Ariahna L. Shores
Natalie Elizabeth Shotts
David Seth Smith
Nathaniel Garrett Smith
Rachel Marie Snider
Kellie Jo Snyder
†Stacy Lynn Solomon
  Advisor: Dr. Ryan Conners
Rebekah Anne Sorrells
David W. Speer
Sierra Rose Stanley
Ashleigh E. Stephens
Blakley LaShay Stephenson
Shelby Abercrombie Stevens
Jessica L. Sullivan
Brittany Nichole Swinford
Melisa Chasity Taylor
Rebecca Ann Thomason
Allison Taylor Thomson
Allison Thrasher
McKenzie Elizabeth Turner
Lynn Twombly
Andrew Joseph Wagner
Ginny Westbrook
Alexandria Marie White
Jessica Whitehall
Laura Motes Wiedeman
Tiffany Marie Wilburn
Megan Williams
Celsey Rebecca Young

† Honors College Graduate
THE 2019 GRADUATION CANDIDATES
Doctoral Degrees

COLLEGE OF SCIENCE
Doctor of Philosophy

Nicholas Joseph Elmer
Field: Atmospheric Science
Dissertation: “Using Satellite Observations of River Height and Vegetation to Improve National Water Model Initialization and Streamflow Prediction”
Advisor: Dr. John Mecikalski

Swetha Govindaiah
Field: Computer Science
Dissertation: “Reinforcement Learning Applied to Manufacturing Material Handling”
Advisor: Dr. Mikel Petty

Robert Anthony Junod
Field: Atmospheric Science
Dissertation: “Understanding the Significant Disparity Between Observations and CMIP5 Model Simulations at the Ocean / Atmosphere Interface in the Tropics”
Advisor: Dr. John Christy

Anthony W. Lyza
Field: Atmospheric Science
Dissertation: “An Initial Investigation of the Role of the Northeastern Alabama Plateaus in Modifying the Near-Storm Environment of Potentially Tornadic Storms”
Advisor: Dr. Kevin Knupp

Ashraf Moradi
Field: Space Science
Dissertation: “Solar Energetic Particles Transport in Meandering Magnetic Field”
Advisor: Dr. Gang Li

Parisa Sadat Mostafavi
Field: Space Science
Dissertation: “Shock Waves and Nonlinear Plasma Waves Mediated by Pickup Ions and Energetic Particles”
Advisor: Dr. Gary Zank

Michael Shane Thompson
Field: Physics
Dissertation: “Study of Plume Dynamics from Laser-Ablated Elemental Materials for Propulsion Application”
Advisor: Dr. James A. Miller

INTERDISCIPLINARY PROGRAMS
Doctor of Philosophy

Sahar Ansar Nouri
Field: Optical Science and Engineering
Dissertation: “Fixed and Angle-Scanning Spectropolarimetry”
Advisor: Dr. Don Gregory

Dipen Kumar Kiribhai Barot
Field: Optical Science and Engineering
Dissertation: “Analysis and Mitigation of Laser Frequency Drift and Its Application in Fiber-Optic Sensing”
Advisor: Dr. Lingze Duan

Mitchell James Bott
Field: Modeling and Simulation
Dissertation: “An Examination of the Theoretical Basis for Agile Engineering using Function-Behavior-Structure Framework and Agent-Based Modeling”
Advisor: Dr. Mikel Petty

Megan Elizabeth Breitbach
Field: Biotechnology Science and Engineering
Dissertation: “Interrogation of Epigenetic and Genetic Determinants of Complex Diseases”
Advisor: Dr. Luis Cruz-Vera

Geordan L. Burks
Field: Biotechnology Science and Engineering
Dissertation: “Characterization of Putative Peptidyl-TRNA Hydrolase Domain Containing 1”
Advisor: Dr. Robert McFeeters

William Thomas Garrison
Field: Modeling and Simulation
Dissertation: “Stochastic Simulation Optimization by Filtering Static Surrogate Models”
Advisor: Dr. Mikel Petty

Rithvik Reddy Gutha
Field: Optical Science and Engineering
Dissertation: “Control of Emission Dynamics of Quantum Dots via Plasmonic Nanostructures and Lattices”
Advisor: Dr. Seyed Sadeghi

Daniel Joseph Scott Strange
Field: Biotechnology Science and Engineering
Dissertation: “Characterization of Bacterial Peptidyl-tRNA Hydrolase 1 from Different Phylogenetic Clades”
Advisor: Dr. Robert McFeeters

Crissy Lynette Tarver
Field: Biotechnology Science and Engineering
Dissertation: “Molecular Role of Angiopoietin-like 4’s Carboxy-Terminal Domain in Pancreatic Ductal Adenocarcinoma Progression”
Advisor: Dr. Luis Cruz-Vera

Tymaine S. Whitaker
Field: Modeling and Simulation
Dissertation: “Generating Cyberattack Model Components from an Attack Pattern Database”
Advisor: Dr. Mikel Petty
Master’s Degrees

COLLEGE OF ARTS, HUMANITIES, & SOCIAL SCIENCES
Master of Arts

Andrew Scott Arnold
English
Latoya Danielle Binford
Professional Communications
Advisor: Dr. Eletra Gilchrist-Petty

Vaughn Daniel Bocchino
History

Matthew David England
History

AuBriauna Jahmiel Harris
Psychology
Advisor: Dr. Dianhan Zheng

Megan Hillgartner
Psychology
Thesis: “Jailhouse Informants & Empathic Cross-Examination”
Advisor: Dr. Jeffrey Neuschatz

Aaron L. McNully
History

Linda Jane Myers
Psychology
Thesis: “The Role of Auditory Fluency in Judgments of Learning and Memory Performance”
Advisor: Dr. Jodi Price

Evan J. Riley
Public Affairs

Brittney N. Scott
Professional Communications

Samantha N. Smith
English

Hannah Michelle Thomas
English
Thesis: “‘Sharp Arrows of Censorious Tongues’: Alexander Pope’s Psalms and The Dunciad Controversy”
Advisor: Dr. Alanna Frost

COLLEGE OF BUSINESS
Master of Accountancy

Cameron M. Aaron
Bonnie Edmondson
Marina Ginos
Julie Long
Nilesh Patel
Robert Hunter Rigney
Devan Rigoni
Donny Lee Rogers
Chris James Tompkins
Jessica Marie Waylander

Master of Business Administration

Georgia Mary Beckinger
Hannah M. Berry
Benjamin Rucker Betty
Heather Ann Brockman
Courtney Brown
David Michael DiPlacido
Clint Garrett Drake
Peter Flynn Erickson
Amanda L. Falkner
Morgan Farrar
Shannon Kaye Fisher
Carlie Rose Ford
Carter Allan Garrison
Holly Goodmon
Gavyn B. Grove
Tyler Wade Harris
Brian Erik Jensen
Lindsey Kepley
Danila Igorevich Khazanov
Sarfaraz Saeed Ahmed Kiledar
Taylor Jordan Kimber
Benjamin Troy Maney
Kasey Clayton Maples
Zachary Maresh
Jackson Trevor McAnally
Thomas Brian McCoy II
Ramin Mohammadipour
Hans Jesper Ohrvall
Whitney E. O’Rear
Ayesha K. Patel
Noah James Pinyan
Nolan A. Ramsey
Leslie Ann Rice
Joshua Chamberlain Slone
Andrew Rafael Sutinen
Adrian M. Taff
Erick Taylor
Anna Kate Aycock Wallace

Travis W. Widner

Master of Science

Joseph Anthony Abreu
Management Science – Business Analytics

Michael Anderton
Cybersecurity

Clifford Shannon Barney
Supply Chain and Logistics Management

Kou Chang
Cybersecurity

Sneha Chitimireddy
Management Science – Business Analytics

Brandi Rose Clutts
Cybersecurity

Iain Christopher Deason
Cybersecurity

Isaac Cushman Espy
Supply Chain and Logistics Management

Adnan Ferdous Ananta
Management Science – Business Analytics

Rahul Garikapati
Management Science – Business Analytics

Jennifer Gelmis
Management Science – Business Analytics

Sai Venkata Ashok Gidda
Management Science – Business Analytics

Martin Hooyer
Cybersecurity

Andrew Burton Hyche
Cybersecurity

Skylar Jolliffe
Cybersecurity

Elvira Kunovac
Supply Chain and Logistics Management

Ha Manh Lam
Management Science – Business Analytics

Sai Vamsi Manthapuram
Management Science – Business Analytics

Joshua Clark Moore
Cybersecurity
Master’s Degrees

Thrishlaa Murthy  
Management Science – Business  
Analytics

Sai Kumar Seerla  
Management Science – Business  
Analytics

Mason Ray Sherrill  
Management Science – Business  
Analytics

Christian T. Shipe  
Cybersecurity

Gregory Alan Smith  
Supply Chain and Logistics  
Management

Sneha Suluru  
Management Science – Business  
Analytics

Vasudev Surabhi  
Cybersecurity

Kevin Aaron Teichmiller  
Cybersecurity

Robert Joseph Thomas  
Cybersecurity

Edward B. Van Beck  
Cybersecurity

Master of Science  
in Information Systems

Robert Neil Bunch

Somi Park

Adam Jared Rogers

Darren Spooner

Angelia Wigginton

Master of Science  
in Management

Tressa L. Hillman-Moore  
Human Resource Management

Tammy E. Jones  
Human Resource Management

David Andrew Jordan  
Human Resource Management

Fannie Proctor  
Human Resource Management

Angela Darlene Roden  
Human Resource Management

Robert L. Seemann  
Human Resource Management

Sumer Leigh Swaim  
Human Resource Management

COLLEGE OF EDUCATION

Master of Arts in Teaching

Dana Kelsey Amert  
Elementary Education Teaching  
Class A Certification, Elementary  
Education, Grades K-6

Melanie Ann Berbrier  
Secondary Education Teaching  
Class A Certification, English/Language  
Arts, Grades 6-12

Stephanie Jarnagin  
Elementary Education Teaching  
Class A Certification, Elementary  
Education, Grades K-6

Amy V. McConnell  
Secondary Education Teaching  
Class A Certification, English for  
Speakers of Other Languages,  
Grades P-12

Master of Education

Jasmine Noelle Brown  
Differentiated Instruction  
Class A Certification, Collaborative  
Education, Grades K-6

Nikki Shedd Burgos  
Differentiated Instruction  
Class A Certification, Collaborative  
Education, Grades K-6

Alexandra Cole  
Differentiated Instruction  
Class A Certification, Reading  
Specialist, Grades P-12

Sherry Simmons Curry  
Differentiated Instruction  
Class A Certification, Visual  
Impairments, Grades P-12

Rebekah Duvall  
Differentiated Instruction  
Class A Certification, Collaborative  
Education, Grades K-6

Jessica Lanier  
Differentiated Instruction  
Class A Certification, Elementary  
Education, Grades K-6

Angela Juliette Lawson  
Differentiated Instruction  
Class A Certification, Mathematics,  
Grades 6-12

Caroline Dodd McAnally  
Differentiated Instruction  
Class A Certification, Collaborative  
Education, Grades K-6

Mindy Parker  
Differentiated Instruction  
Class A Certification, Elementary  
Education, Grades K-6

Melissa Lynn Scopes  
Differentiated Instruction  
Class A Certification, Reading  
Specialist, Grades P-12

Taylor Danielle Scott  
Differentiated Instruction  
Class A Certification, Collaborative  
Education, Grades K-6

Leah Diane Sutton  
Differentiated Instruction  
Class A Certification, Visual  
Impairments, Grades P-12

Megan Tebbe  
Differentiated Instruction  
Class A Certification, Elementary  
Education, Grades K-6

Wendy Widis  
Differentiated Instruction  
Class A Certification, Collaborative  
Education, Grades K-6

COLLEGE OF SCIENCE

Master of Arts

Andrew Z. Betts  
Mathematics

Master of Science

Ashish Acharya  
Computer Science

Vishnu Sripiya Akondi  
Computer Science  
Thesis: “Novel Machine  
Learning Frameworks for Protein  
Conformational Selection in Drug  
Discovery Applications”  
Advisor: Dr. Vineetha Menon

Clayton F. Allison  
Space Science

Krishna Chaitanya Choudary Anumolu  
Cybersecurity

Sunil Babu  
Computer Science
Master’s Degrees

Anirudh Bellamkonda  
Computer Science  
Niharika Krishna Botcha  
Chemistry and Material Science  
Spencer H. Boyd  
Biological Sciences  
Thesis: “Development of an Environmental DNA Assay for Detection and Monitoring of the Troglobitic Crayfishes Cambarus Speleocoppi and Cambarus Laconensis”  
Advisor: Dr. Matthew Niemiller  
Jake R. Brouwer  
Biological Sciences  
Thesis: “An Analysis on Utilizing the CDR3 Transcriptome in the Detection of Posttraumatic Stress Disorder”  
Advisor: Dr. Joseph Ng  
Brandie Jo Byler  
Chemistry  
Thesis: “A Comparative Analysis of tRNAα Production”  
Advisor: Dr. Robert McFeeters  
Lizhou Cao  
Computer Science  
Vishal Chummar Perekadan  
Computer Science  
Thesis: “Indoor Positioning Using Multiple Signal Sources (Modes)”  
Advisor: Dr. Tathagata Mukherjee  
Austin Gregory Clark  
Atmospheric Science  
Thesis: “Inter-Annual Variability of Tropical and Subtropical Lightning Activity from the Full TRMM LIS Lightning Climatology-Locations, Magnitudes, and Mechanisms”  
Advisor: Dr. Larry Carey  
Genoah L. Collins  
Chemistry  
Thesis: “The LEW.1WR1 Rat Model is Glucose Intolerant”  
Advisor: Dr. Sharifa Love-Rutledge  
Nicolas Gene Donders  
Space Science  
Samantha Jo Gregory  
Physics  
Gwen Ascha Hamilton  
Physics  
Advisor: Dr. James A. Miller  
Sebastian Harkema  
Atmospheric Science  
Thesis: “Improving Situational Awareness of Heavy-Snowfall Using the Geostationary Lightning Mapper”  
Advisor: Dr. John Mecikalski  
Eric Alexander Jackson  
Cybersecurity  
Arham Jamal  
Computer Science  
Margaret P. Klug  
Earth System Science  
Thesis: “Utilizing LiDAR to Quantify Aboveground Tree Biomass within an Urban University”  
Advisor: Dr. Robert Griffin  
Sims Kirkland Lawson  
Biological Sciences  
Thesis: “Mind over Matter: Stimulant ADHD Medication use and Bone Mineral Density in College-Aged Subjects; Is There a Trade-Off?”  
Advisor: Dr. Bruce Stallsmith  
Michael Heath Lott, Jr.  
Mathematics  
Ronan Matthew Lucey  
Earth System Science  
Advisor: Dr. Robert Griffin  
Shelby Lyn Kaup McClellan  
Biological Sciences  
Thesis: “Exploring Possible Etiologies and Corresponding Treatments in Sever’s Disease”  
Advisor: Dr. Luis Cruz-Vera  
Charles W. McEniry  
Computer Science  
Soniykha Dhevi Murukan  
Mathematics  
Advisor: Dr. Wenzhang Huang  
Santhosh Nandhakumar  
Computer Science  
Jessica Osier  
Chemistry  
Thesis: “Structural Engineering of the Antifungal High Mannose Binding Lectin Myxovirin”  
Advisor: Dr. Robert McFeeters  
Manoj Paranthaman  
Atmospheric Science  
Thesis: “Comparison of Indoor Air Quality in Leed vs. Non-Leed Classrooms at UAH”  
Advisor: Dr. Shuang Zhao  
Clay Uday Parikh  
Cybersecurity  
Leah K. Parker  
Earth System Science  
Thesis: “Evaluating and Forecasting Development within Riparian Corridors in North Alabama for Conservation”  
Advisor: Dr. Robert Griffin  
Unnatiben Shaileshkumar Patel  
Chemistry  
Gopinath Polasani Vasu  
Computer Science  
Kristen Pozsonyi  
Atmospheric Science  
Bishwas Praveen  
Computer Science  
Advisor: Dr. Vineetha Menon  
Travis Michael Rael  
Earth System Science  
Thesis: “Ground-Based Remote Sensing and Excavations at a Middle Woodland Platform Mound (1LA111) in Lawrence County, Alabama”  
Advisor: Dr. Robert Griffin  
Mehdi Rahmani Andebili  
Physics  
Thesis: “Charging Management of Plug-In Electric Vehicles Applying Monte Carlo Markov Chain and Quantum-Inspired Optimization Algorithm”  
Advisor: Dr. Max Bonamente  
Navaneeth Rangaswamy Selvaraj  
Computer Science  
Mark J. Reuter  
Computer Science  
Christina M. Sharp  
Physics  
Thesis: “Near Field and Far Field Plasmon Coupling for Sensing Applications”  
Advisor: Dr. Seyed Sadeghi  
Jonathan Christopher Slack  
Cybersecurity
Master’s Degrees

Colton W. Smallwood  
Mathematics  
Thesis: “Classification of Graphs that are Locally Mobius Ladder”  
Advisor: Dr. Guo-Hui Zhang

Tarun Sriram  
Computer Science

Conner Eugene Stevons  
Physics

Michael R. Terres  
Space Science

Allynee Elizabeth Thackston  
Atmospheric Science

Lee S. Tiszenkel  
Atmospheric Science  
Thesis: “Temperature Effects on Sulfuric Acid Aerosol Nucleation and Growth: Initial Results from the Tangent Study”  
Advisor: Dr. Shanhu Lee

Veena Vinod  
Biological Sciences  
Advisor: Dr. Kyung-Ho Roh

Lawrence Andrew Whisenant  
Computer Science

James Wolfsberger  
Chemistry

Carson T. Woodward  
Biological Sciences

Upasana Yadav  
Mathematics

Tomoyuki Yara  
Physics

Liqian Zhang  
Mathematics

Master of Science  
in Software Engineering

Brett Ellen Neely  
Computer Science
Honor Graduates

Honors indicated in the program are based on grades for semesters completed prior to the last semester. Actual honors for all completed work will be subsequently calculated and will appear on the official transcript and diploma.

**SUMMA CUM LAUDE**
3.9 - 4.0 on course work

Mohammad Alrefai
Chryselle A. Alvarado
Allison D. Ammons
Matthew Morrow Clark
Kramer S. Crider
Carolina Grace Dolislager
Anna Leigh Fountain
Madeline K. Glosemeyer
Sydney Gothart
Michelle Leila Gray
Justin Hedrick
Korinne Payton Kim Hemm
Jonathan A. Hicks
Emily Caroline Hunt
Maritza Jauregui Neely
Jolie Ann Johnson
William L. Johnson
Jason P. Kidd
Shannon Cole Kruse
Melissa Martin
Sara E. Miller
Aimee Rachele Moon
Kayla B. Movers
Callie C. Norton
Cylde Peterman
Ian K. Prince
Nicholas Sebastian Ranta
Rachel Ross
Aryn McKenzie Sanders
Ankur Ashish Shah
Victoria J. Shouse
Sarah Renee Tarwater
Madison A. Teal
Ruby Dang Tischler
Reece Cannon Tucker
Mary Kathryn Van Bebber

**MAGNA CUM LAUDE**
3.7 - 3.899 on course work

Darrell Joseph Ducote
Christine Amelia Evans
William Daniel Fleming
Jack Marlow Foster, Jr.
Jared E. Fuchs
Calpurnia Monique Garner
Lydia J. Gregory
Keaton Grnewold
Casey Henderson
Matthew Christopher Jacobs
Jared Elwood Antonio Janeway
Brannen Scott Kerbo
Sana Salman Khadair
Noah Oliver Lombard
Paul J. Marshall
Clayton Scott McCulley
Deborah Ann Millan
Michael Brekenridge Mondoskin
Joshua E. Mullison
Hiba Mamoun Najjar
Eric P. Patty, Jr.
James C. Powell
Nathaniel A. Prince
Sunnie Kaitlin Reagan
Mary-Elizabeth Cobb Reinhart
Alison Kate Rudzinski
Caitlyn N. Schoenig
Yusuke Shimizu
Rachel Leigh Shumate
Audree E. Sisk
Michael Brinno Solomon
Madison Sutton
Britney Michelle Sykes
Danica Nacy Taylor
Isaac E. Teichmiller
Joshua K. Tyree
Katherine W. Wahlers
Molly Welch
Sutherland Marie Whitmer
Lorah Elisabeth Yonce

**CUM LAUDE**
3.4 - 3.699 on course work

Christopher Adams
Codie James Anderson
Anna Marie Barden
Morgan Sydney Blair
Micah A. Bonds
Franco Camarillo
Kendall James Champion
Mikael Chenault
Jamsion Reid Christian
Mikyla Clark
Rachel Marie Conaway
Lauren Peggy Elam
Victoria Kay Fairchild
Kimberleigh Fedi
Alexander Frederick
Nickolas Lee Gatlin
Ria Ghosh
Callie Elizabeth Grant
Angel Leigh Holloway
Morgan Elizabeth Hughes
Foster O. R. Jackman
Tyler John Kaliszak
Marlene L. Koch
Victoria Diane Layton
Megan Renea Marks
Alexandria Michelle Mills
Kathryn Lynell Mockensturm
Chandice O. Morton
Christopher N. Nozum
Cassidy Clay Overby
Madeline Anne Pace
Wesley Padot
Amber Paris
Chloe N. Pate
Matthew Ian Penrod
Samuel Preston Perry
Kaitlyn Diane Porter
Sunnie Kaitlin Reagan
Klayton C. Riley
Klifton Curtis Riley
Krystal B. Schmalbach
Rochelle Ann Sexton
Cheryl Nicole Skidmore
Kelsie Stinson
Sarah R. Stough
David James Summerville, Jr.
Nisana Thapaliya
Brock M. Tollever
Valencia De’Nea Toney
Heather Walker
Sameera F. Warsi
Tucker David Watts
Kailyn M. Weaver
Jacob W. Wilbourn
Jonathan Yanhko
### Bachelor’s Degrees

**COLLEGE OF ARTS, HUMANITIES, & SOCIAL SCIENCES**  
*Bachelor of Arts*

- **Sophia Marie Amedeo-Kingsbury**  
  Psychology
- **Anna Marie Barden**  
  Foreign Language-German and Foreign Language International Trade-Spanish
- **Chase Alexander Barrett**  
  Psychology
- **Houzston Steele Belew**  
  Sociology
- **Zachary Ryan Blaisdell**  
  Communication Arts
- **Gabrielle Joy Blevins**  
  Art
- **Micah A. Bonds**  
  Sociology
- **John William Bullington**  
  Communication Arts
- **Samantha Rose Butler**  
  English
- **Kaitlyn Leilani Cantrell**  
  Psychology
- **Samantha Clarice Carter**  
  History
- **Zachary Daniel Cash**  
  Philosophy
- **Jade L. Chambers**  
  Communication Arts
- **Kendall James Champion**  
  Music  
  Class B Certification, Music Education (Instrumental), Grades P-12
- **Yulia Christian**  
  Psychology
- **Kaitlin Elizabeth Clark**  
  Foreign Language International Trade-Spanish
- **Matthew Morrow Clark**  
  History and Political Science
- **Mikyla Clark**  
  Music  
  Class B Certification, Music Education (Instrumental), Grades P-12
- **Katherine Rose Colsch**  
  English and Foreign Language-German
- **Rachel Marie Conaway**  
  Art
- **Kyle Steven Cooper**  
  Art
- **Daniela Cornelius**  
  English and Writing
- **Claire Ariel Crenshaw**  
  Theatre
- **Ashlee Rene’ Crull**  
  Communication Arts
- **LaCharity S. Darling**  
  English
- **Shawna Nicole Davis**  
  History
- **Horace Dixon**  
  Psychology
- **Bradley Dale Edwards**  
  History
- **Zachary Escher**  
  Philosophy
- **Joseph Adam Farler**  
  Art
- **Timothy Foust**  
  Writing
- **Callie Elizabeth Grant**  
  Communication Arts
- **Lydia J. Gregory**  
  Music
- **Keaton Gronewold**  
  Philosophy
- **Dylan Franz Hall**  
  Communication Arts
- **Peyton C. Heflin**  
  Psychology
- **Blake W. Henderson**  
  Art
- **Ravyn Highsmith**  
  Communication Arts
- **Angel Leigh Holloway**  
  Psychology
- **Kristin Hudson**  
  Art
- **Emily Caroline Hunt**  
  English  
  Thesis: “NMR-Based Metabolomic Analysis of Urine in Rates Prone to Type 1 Diabetes: A Comparison of Time-Domain and Frequency-Domain Analyses”  
  Advisor: Dr. Bernhard Vogler
- **Lilian Mendoza Johnson**  
  Sociology
- **Marshall Andre Johnson**  
  English
- **Sara Eilish Jones**  
  Writing
- **Sandra Lauren Knecht**  
  History
- **Victoria Diane Layton**  
  English
- **Justin Michael Lee**  
  Music
- **Jennifer Louise Lucas**  
  History
- **Sierra Tana McCammon**  
  Psychology
- **Alexandria Michelle Mills**  
  History
- **Michael Breckenridge Mundoskin**  
  Music  
  Class B Certification, Music Education (Choral), Grades P-12
- **Kayla B. Moyers**  
  Music
- **Joshua E. Mullison**  
  Philosophy
- **Hiba Mamoun Najjar**  
  Psychology
- **Chloe Gail Nelson**  
  English
- **Megan B. Noel**  
  Psychology
- **Madeline Anne Pace**  
  Psychology
- **Chloe N. Pate**  
  Art
- **Alisha Thomas Percey**  
  Communication Arts
- **Clyde Peterman**  
  English and Philosophy
- **Amanda Faye Peters**  
  Psychology
- **Jarielle A. Prince**  
  Psychology
- **Rachel Lee Read**  
  Communication Arts
- **Matthew S. Robinson**  
  Art
- **Emily G. Roe**  
  Communication Arts
- **Trent T. Salter**  
  Psychology
- **Caitlin Sartin**  
  Writing
- **Caitlyn N. Schoenig**  
  Art and History
- **Audree E. Sisk**  
  Music  
  Class B Certification, Music Education (Choral), Grades P-12
- **Cheryl Nicole Skidmore**  
  Music
- **Douglas Baxter Stogner**  
  Communication Arts

† Honors College Graduate
# Bachelor’s Degrees

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† Honors College Graduate
Bachelor's Degrees

†Madeline K. Glosemeyer
  Finance
  Thesis: “Is the Rocket City Out of Space? Huntsville’s Housing on the Horizon”
  Advisor: Dr. Brinda Mahalingam

Michelle Leila Gray
  Management

Kelsey J L Hall
  Accounting

Shelby Elizabeth Hall
  Marketing

Derrick Dewayne Harris
  Accounting

Stephen J. Hatfield
  Management

Korinne Payton Kim Hemm
  Management

Stephanie Alana Reid Henry
  Information Systems

Cleveland Wendell Hines
  Management

Brayden William Hubbard
  Information Systems

LaLonne Chantel Humphrey
  Management

Foster O. R. Jackman
  Information Systems

Hailey M. Jackson
  Management

Sarabi Jackson
  Management

Jolie Anna Johnson
  Management

William L. Johnson
  Accounting

Matthew Perry Jones
  Management

Brannen Scott Kerbo
  Accounting

†Jason P. Kidd
  Finance
  Thesis: “Trade Openness and Economic Growth”
  Advisor: Dr. Brinda Mahalingam

Brooklyn Keliah Kimbro
  Marketing

†Shannon Cole Kruse
  Marketing
  Thesis: “Tales of the Kingdom: A Collection of Short Stories”
  Advisor: Dr. William Taylor

Mingzhong Li
  Management

Jeffery R. Mannor
  Information Systems

Megan Renea Marks
  Management

Kaleb Ashton Mauldin
  Information Systems

Layla Mauro
  Finance

Clayton Scott McCulley
  Finance

Bailey McMahan
  Management

Isabel Del Carmen Merritt
  Information Systems

Deborah Ann Millan
  Management

LaShundria Mims
  Information Systems

Aimee Rachele Moon
  Management

Tiana Moseley
  Information Systems

Austin Mosley
  Finance

Tessa Mullins
  Information Systems

Darryl Fitzgerald Neal II
  Information Systems

Daniel Nolan
  Management

John Mark Norton
  Management

Collin M. Olivier
  Information Systems

Wesley Padot
  Management

Erin Jalisa Parham
  Marketing

Dev Sanjaykumar Patel
  Information Systems

Monali Patel
  Information Systems

Daniel Phillips
  Accounting and Finance

Kaitlyn Diane Porter
  Marketing

James C. Powell
  Information Systems

Ashile Priester
  Management

†Nicholas Sebastian Ranta
  Accounting and Information Systems
  Thesis: “Strategic Analysis”
  Advisor: Dr. Yeolan Lee

BreAnna Nevaeh Faith Read
  Management

Mary-Elizabeth Cobb Reinhart
  Management

Kasja Shane’ Robinson
  Management

Nickolas P. Rossetti
  Information Systems

Aryn McKenzie Sanders
  Accounting

Kelsie Stinson
  Accounting

Nicholas John Tachias
  Information Systems

Danica Nacy Taylor
  Information Systems

Madison A. Teal
  Accounting

Daniel Teel
  Management

Nisara Thapaliya
  Accounting

Morgan Taylor Tipton
  Marketing

Ruby Dang Tischler
  Accounting

Brock M. Tolliver
  Management

Valeria De’Nea Toney
  Accounting

Carson E. Tullo
  Information Systems

Kenneth A. Turner
  Information Systems

Joshua K. Tyree
  Management

Maua N. Underwood
  Finance

Stephanie Rosas Velazquez
  Management

Katherine W. Wahlers
  Accounting

Heather Walker
  Marketing

Nicolas Michael Walsh
  Information Systems

Fadalia Rose Watts
  Management

Tucker David Watts
  Accounting and Finance

Aaron McClain Lapins Willis
  Management

Joshua Michael Wilson
  Management

† Honors College Graduate
Bachelor’s Degrees

**Jazmine Titianna Wright**  
Management  
Honors College Graduate  
Bachelor’s Degrees

**Jessica J. Yates**  
Information Systems  
Bachelor’s Degrees

**COLLEGE OF EDUCATION**  
**Bachelor of Arts**

**Sarah Renee Tarwater**  
Elementary Education  
Class B Elementary Education, Collaborative Teacher Certification, Grades K-6

**Mary Kathryn Van Bebber**  
Elementary Education  
Class B Elementary Education, Collaborative Teacher Certification, Grades K-6

**Bachelor of Science**

**Amy Adams**  
Kinesiology  
Class B Certification, Physical Education, Grades P-12

**Mohammad Alrefai**  
Kinesiology

**Katelyn D. Barganier**  
Kinesiology

**Garrett Hardy Bell**  
Kinesiology

**† Morgan Sydney Blair**  
Secondary Education  
Class B Certification, Mathematics, Grades 6-12  
Advisor: Dr. Sarah Roller

**Jessica Burton**  
Kinesiology

**Jamison Reid Christian**  
Kinesiology

**Richard Lamont Claytor III**  
Kinesiology

**Samantha Alicia Coveney**  
Kinesiology

**Sydney Gothart**  
Kinesiology

**Harrison K. Graham**  
Kinesiology

**Amber Renae Hammonds**  
Kinesiology

**Casey Henderson**  
Kinesiology

**Morgan Elizabeth Hughes**  
Kinesiology

**Anna Morgan LeDuc**  
Kinesiology

**Jessica LaKeisha Light**  
Kinesiology

**Brianna New**  
Kinesiology

**Jasper S. Nichols**  
Secondary Education  
Class B Certification, English/Language Arts, Grades 6-12

**Matthew Ian Penrod**  
Kinesiology

**Rachel Ross**  
Secondary Education  
Class B Certification, English/Language Arts, Grades 6-12

**Yusuke Shimizu**  
Secondary Education  
Class B Certification, Mathematics, Grades 6-12

**Rachel Leigh Shumate**  
Kinesiology

**Katherine Elizabeth Smira**  
Secondary Education  
Class B Certification, English/Language Arts, Grades 6-12

**Molly Welch**  
Kinesiology

**Lorah Elisabeth Yonce**  
Secondary Education  
Class B Certification, Mathematics, Grades 6-12

**COLLEGE OF PROFESSIONAL AND CONTINUING STUDIES**  
**Bachelor of Arts**

**Natalie Faith Campbell**  
Professional Studies

**Kaitlyn Cislo**  
Professional Studies

**Marlene L. Koch**  
Professional Studies

**Rochelle Ann Sexton**  
Professional Studies

**Joshua Keith Waldrep**  
Professional Studies

**Bachelor of Science**

**Frankie Lee Bradford, Jr.**  
Professional Studies

**David Eugene Davis III**  
Professional Studies

**Erica Lorin Dufrene**  
Professional Studies

**Sheree Gremillion**  
Professional Studies

**Kriska Gurley**  
Professional Studies

**Charles Hurley**  
Professional Studies

**Paul J. Marshall**  
Professional Studies

**COLLEGE OF SCIENCE**  
**Bachelor of Science**

**Allison D. Ammons**  
Biological Sciences

**Benjamin R. Andrews**  
Computer Science and Mathematics

**Shayenne Marie Arehart**  
Biological Sciences

**Troy A. Atchley**  
Mathematics

**Jacob Orion Belcher**  
Mathematics and Physics

**Khall J. Bell**  
Biological Sciences

**Anyston MacKenzie Belt**  
Biological Sciences

**Morgan Sydney Blair**  
Mathematics

**Julia Kathryn Burton**  
Mathematics

**Franco Camarillo**  
Computer Science

**Eddie B. Campos**  
Computer Science

**Jessica E. Chambers**  
Biological Sciences

**Mikael Chenault**  
Mathematics

**Justin Shane Clark**  
Chemistry

**Garrett E. Cobb**  
Biological Sciences

**Alexandra M. Colclough**  
Biological Sciences

**Andrew J. Colsch**  
Computer Science

† Honors College Graduate
Bachelor’s Degrees

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<td>Joshua Isaiah Martin</td>
<td>Computer Science</td>
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<td>Melissa Martin</td>
<td>Computer Science</td>
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<td>Samantha Danielle Martin</td>
<td>Biological Sciences</td>
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<td>Kevin Stuart McCafferty</td>
<td>Computer Science</td>
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<td>Cody A. McCammon</td>
<td>Physics</td>
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<td>Charles W. McEniry</td>
<td>Computer Science</td>
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<td>Andrew James McKelvy</td>
<td>Computer Science</td>
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<tr>
<td>Sara E. Miller</td>
<td>Earth System Science</td>
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2:30 P.M. CEREMONY

† Honors College Graduate
Bachelor’s Degrees

Julia D. Smith  
Biological Sciences
Michael Brinnon Solomon  
Earth System Science
Jorge Daniel Solorzano-Papili  
Biological Sciences
David George Spencer  
Earth System Science
Kyle Steven Stanley  
Computer Science
Aaron R. Stiles  
Biological Sciences
Caroline M. Stutts  
Earth System Science
Stuti Tandon  
Computer Science
Isaac E. Teichmiller  
Earth System Science
Tyler E. Truitt  
Physics
Reece Cannon Tucker  
Mathematics
Hannah J. Underhill  
Biological Sciences
Jacob Warren  
Biological Sciences
Sameera F. Warsi  
Computer Science
Kailyn M. Weaver  
Biological Sciences
Cody A. Webb  
Mathematics
Jackson Dewey Whaley III  
Computer Science
Adam J. Whisnant  
Computer Science
Sutherlin Marie Whitmer  
Computer Science
Aaron R. Wieter  
Computer Science
Jacob W. Wilbourn  
Computer Science
Alexander M. Williams  
Physics
Lorah Elisabeth Yonce  
Mathematics
THE STATE OF ALABAMA

The Honorable Kay Ivey, Governor
Dr. Eric Mackey, State Superintendent of Education

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READERS

10 A.M. 2:30 P.M.
Dr. Jennifer English Mr. Ron Schwertfeger
Dr. Darlene Showalter Dr. Joseph Taylor

WIND ENSEMBLE

Dr. Dave Ragsdale, Conductor Dr. Matthew Carey, Vocalist

Lorenzo Addy Jacob Fuqua Jackson Love Jacob Shultz
Jalexia Andrews Kira Geib Megan Lowrance Emmy Smith
John Michael Baggett Rachel Hammer Ben Lukins Sawyer Stinnett
Avery Barnett Jesse Hartfield Tabitha Massengil Maria Voss
Oliva Batchelor Noah Hopper Katherine Medley Christopher Walker
Robert Bradley Parker Horne Sam Morrison Cole Walker
Kaden Beaver Layla Jeries Dylan O'Donohue Carter Ward
Sean Campbell MiKayla Johnson Duncan Patterson Trent Whitlow
Dancy Castle Hannah Johnston McKynzie Perry Kayla Williams
Case Dattilo Dominic Kuzy Moriah Pfister Morganne Williams
John Diaz Luis Lascano Jordan Riecke Michael Wood
Kyle Fletcher Duane Lathrop Amy Riggs
Austin Fox Daniel Leach Lake Sessions

SPECIAL THANKS

UAH Lancers
THE UNIVERSITY MACE

The ceremonial mace of The University of Alabama in Huntsville was commissioned for the school’s first commencement in 1973 and incorporates materials that represent Huntsville’s history from pioneer times to the Space Age.

The shaft of the mace is fashioned of native chittamwood (Cotinus obovatus) harvested on Huntsville’s Monte Sano mountain. It also contains a section of a cedar log recovered from the 1823 Huntsville City water system, thought to be the oldest public water system west of the Appalachians.

Topping the three-foot-long mace is a glass display created at NASA’s George C. Marshall Space Flight Center. It is backed with velvet in the official blue of both the university and NASA. Housed within it are materials that were processed during NASA’s Skylab Missions and that represent the then new field of space-based materials technology.

The mace includes a section of a spacecraft nose cone that was a gift to UAH from the U.S. Army’s Redstone Arsenal. This nose cone was subjected to an ablative process that led to the development of protective heat shields for spacecraft.

Another feature of the mace is a ceramic ring in white, the university’s second color. It displays the school’s 1950 founding date and the 1969 date when UAH became an autonomous campus as a member of The University of Alabama System.

ACADEMIC REGALIA

American universities adhere to the official Academic Costume Code adopted in 1895. It describes the styles of gowns, hoods, and faculty colors that symbolize the wearer’s academic discipline and rank. Bachelor’s gowns are the most simple, featuring a pleated yoke and front fabric panels. Master’s degree gowns are distinguished by unusual sleeves, each of which has a long rectangular piece of cloth on the backside that dangles to the wearer’s knees. Doctors wear the most elaborate of all academic gowns, as befits their status at the highest level of scholarship. Fuller and more flowing than master’s or bachelor’s gowns, doctors’ gowns have distinctive billowy, bell-shaped sleeves, front facings of velvet, and three bars of velvet across the sleeves.

FACULTY COLORS

The colors used to symbolize areas of study are referred to as “faculty colors” and trace their history to the Middle Ages when color and costume conveyed to the mostly illiterate populace visual messages about rank and occupation. Colors are displayed on doctor’s gowns, edging of hoods, and tassels on caps.

Agriculture, Maize
Arts, Letters, Humanities, White
Business, Drab
Dentistry, Lilac
Economics, Copper
Education, Light Blue
Engineering, Orange
Fine Arts, Brown
Forestry, Russet
Interdisciplinary, Black
Journalism, Crimson
Law, Purple
Library Science, Lemon

Medicine, Green
Music, Pink
Nursing, Apricot
Oratory, Silver Gray
Pharmacy, Olive Green
Philosophy, Dark Blue
Physical Education, Sage Green
Public Administration, Peacock Blue
Public Health, Salmon Pink
Science, Golden Yellow
Social Work, Citron
Theology, Scarlet
Veterinary Science, Gray
HOODS
Hoods are lined with the official school colors to indicate where the wearers earned their degrees. Hood bindings or edgings are of velveteen and indicate field of study using faculty colors.

MORTARBOARDS AND TAMs
The origin of the mortarboard is subject to speculation, but some suspect the guild and apprentice systems of the Middle Ages. Then, during the construction of Europe’s great cathedrals, master workers would mix mortar on similarly shaped boards. Hence, the mortarboard came to be associated with someone who had mastered the knowledge and skills necessary for his trade. Today, Ph.D.s often choose a soft velvet tam instead of the traditional mortarboard.

TASSELS
Colored threads have been part of academic costume since 1340 at Oxford, where students were compelled to adhere to strict rules of dress and maintain their everyday hoods by mending them with the color of thread representing their faculties. The use of colored threads to indicate field of study survives in the colored tassels suspended from graduates’ mortarboards. Doctoral tassels are shorter and made of metallic or gold-colored threads.

COMMENCEMENT MARSHALS
Brent Wren, Ph.D., University Marshal
Ronnie Hebert, Ph.D., Student Marshal
Laird Burns, Ph.D., Faculty Marshal
Timothy Newman, Ph.D., Assistant Marshal
Emil Jovanov, Ph.D., 10:00 A.M. Ceremony, Mace Bearer
David Harwell, Ph.D., 2:30 P.M. Ceremony, Mace Bearer

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Laterrica Shelton, J.D., Interim Vice President for Diversity, Equity, and Inclusion
Brent M. Wren, Ph.D., Associate Provost for Undergraduate Studies

DEANS
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David Berkowitz, Ph.D., Graduate School
John Christy, Ph.D., Interim College of Science
Karen M. Clanton, Ph.D., College of Professional and Continuing Studies
Jason Greene, Ph.D., College of Business
Sean Lane, Ph.D., College of Arts, Humanities, & Social Sciences
Shankar Mahalingam, Ph.D., College of Engineering
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William Wilkerson, Ph.D., Honors College