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12-14-2014

## Fall 2014 Commencement Program

University of Alabama in Huntsville

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### Recommended Citation

University of Alabama in Huntsville, "Fall 2014 Commencement Program" (2014). *Commencement Programs*. 1.

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# THE UNIVERSITY OF ALABAMA IN HUNTSVILLE



FIFTY-SECOND COMMENCEMENT

SUNDAY THE FOURTEENTH OF DECEMBER | TWO THOUSAND FOURTEEN

PROPST ARENA AT THE VON BRAUN CENTER

# FALL COMMENCEMENT

## DECEMBER 14, 2014



### FIFTY-SECOND COMMENCEMENT

#### 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!

*Music 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.

This program is dedicated in Memory of Justin White, who played a huge role in a number of UAH Commencement ceremonies over the years. Our sincere thoughts go out to Justin's family, friends, and Marching Order co-workers.

## ORDER OF EXERCISES

December 14, 2014

2:00 p.m.

<i>Prelude</i>	Selections by the combined UAH Wind Ensemble Dr. C. David Ragsdale
<i>Call to Order</i>	Brent Wren, Ph.D. Associate Provost
<i>Processional</i>	“Pomp and Circumstance Op. 39: March No. 1, In D Major” by <i>Sir Edward Elgar</i>
<i>Presentation of the Colors and the National Anthem</i>	Reserve Officers’ Training Corps Aaron Cain, Ph.D. Soloist
<i>Invocation</i>	
<i>Welcome and Introduction</i>	Brent Wren, Ph.D. Associate Provost
<i>Commencement Address</i>	Joe H. Ritch, Esq. Chairman, Tennessee Valley Authority
<i>Conferral of Degrees</i>	Robert A. Altenkirch, Ph.D. President
<i>Special Music</i>	The UAH Alma Mater <i>Please stand and sing</i>
<i>Recessional</i>	Audience remains standing
<i>Reception</i>	Immediately following in the East Halls

**Joe H. Ritch, Esq.**

CHAIRMAN, TENNESSEE VALLEY AUTHORITY  
CHAIRMAN, TENNESSEE VALLEY BASE REALIGNMENT  
AND CLOSURE COMMISSION

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Joe Ritch is chairman of the board for the Tennessee Valley Authority (TVA), a corporation owned by the U.S. government that provides electricity for 9 million people in parts of seven southeastern states, including North Alabama.

Mr. Ritch is well known also throughout the region for his high profile work as chairman of the Tennessee Valley Base Realignment and Closure Commission, and that group's highly successful efforts to relocate federal agencies and commands to Redstone Arsenal.

He has an equally active career as an attorney in Sirote's Huntsville office, where he co-chairs the Privacy & Data Security and Government Contracting Practice Groups.

A graduate of The University of Alabama in Huntsville, Mr. Ritch also received law degrees from the Cumberland School of Law at Samford University and New York University.

He has been a long-time supporter of UAH and was chosen as a member of the inaugural class of the UAH Alumni of Achievement in 2002 in addition to being named "Outstanding Alumni" in 1982. Ritch also has served on the UAH Foundation Board, and the UAH Eminent Scholars Foundation as president, and is a lifetime member of the UAH President's Council.

He is the founder of the UAH ice hockey program and served as the volunteer coach for numerous years, leading the Chargers to three national championships as a club team. He was named to the Charger Hall of Honor for his contributions to the university's athletic program.

Mr. Ritch served as a member of the University of Alabama Board of Trustees from 2005-2011 and was named trustee emeritus in 2011.

His awards include: Distinguished Service Award from the Huntsville-Madison County Chamber of Commerce, where he also served on the chamber's board of directors; Dr. Wernher von Braun Memorial Community Service Award in 2011; Department of the U.S. Army Commander's Award for Public Service; induction into the North Alabama Business Hall of Fame in 2011; the Redstone "Good Neighbor" award in 2010; and induction into the Huntsville Madison County Athletic Hall of Fame.

Activities and memberships include: founding member of the Committee of 100 in Huntsville; Alabama's Military Stability Commission; Redstone Community Advisory Board; the Business Council of Alabama; the Huntsville-Madison County Bar Association; Alabama Bar Association and American Bar Association.

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# The 2014 Graduation Candidates

## School of Graduate Studies

### College of Engineering

#### *Doctor of Philosophy*

**Steven G. Adams**

Field: Industrial and Systems Engineering  
Dissertation: "Comparative Analysis and Characterization of the Factors Impacting Cost Growth for Systems and Systems of Systems within the DoD"

Advisor: Dr. Phil Farrington

**Khaled Elsadeg Albahloul**

Field: Mechanical Engineering  
Dissertation: "Heat Transfer Enhancement Caused by Sliding Noncondensable Gas Bubbles in a Minichannel"

Advisor: Dr. Keith Hollingsworth

**Mallikarjun Avula**

Field: Computer Engineering  
Dissertation: "Security Framework for Hybrid Wireless Mesh Protocol in Wireless Networks"

Advisor: Dr. Seong-Moo Yoo

**Waleed Talal Barnawi**

Field: Industrial and Systems Engineering  
Dissertation: "Integrated Consensus-Based Frameworks for Unmanned Vehicle Routing and Targeting Assignment"

Advisor: Dr. Gillian Nicholls

**Christopher Leon Brown**

Field: Industrial and Systems Engineering  
Dissertation: "Status Quo Bias and Ambiguity Aversion in Engineers"

Advisor: Dr. Dawn Utley

**Stuart Michael Feldman**

Field: Industrial and Systems Engineering  
Dissertation: "A Methodology for Measuring Elegance in Engineered Artifacts"

Advisor: Dr. Paul Collopy

**Ezhil Selvam Kalaimannan**

Field: Computer Engineering  
Dissertation: "Computational Optimization Models for Investigating Digital Crime and Intrusion Detection Alarms"

Advisor: Dr. Seong-Moo Yoo

**Ann Hobson Kissell**

Field: Industrial and Systems Engineering  
Dissertation: "The Effects of Telecommuting Group Members on Aspects of Knowledge Worker Group Conflict"

Advisor: Dr. Dawn Utley

**Jeremy Ray Rice**

Field: Mechanical Engineering  
Dissertation: "A Nonlinear, Hyperelastic Material Model for Composite Solid Propellant Based Upon the Method of Cells"

Advisor: Dr. Ken Zuo

**Olusegun Samuel Sholiyi**

Field: Electrical Engineering  
Dissertation: "Electromagnetic Characterization of Photo-Definable Ferrite Loaded Polymers and Their Applications in Micro-Rectangular Coaxial Phase Shifters"

Advisor: Dr. John Williams

**Rajesh Babu Yuddandam**

Field: Civil Engineering  
Dissertation: "Design Guidelines to FRP Strengthened Reinforced Concrete Structures: An Emphasis on Developing Plate-End Debonding Failure Criterion"

Advisor: Dr. Houssam Toutanji

**Dong Wang**

Field: Civil Engineering  
Dissertation: "Flexural Models for Reinforced Concrete Beams with CFRP Strengthening, Under Monotonic and Cyclic Loadings"

Advisor: Dr. Houssam Toutanji

**Boyang Zhang**

Field: Electrical Engineering  
Dissertation: "Complex Nanostructure Metamaterials for Perfect Light Absorption and Anti-Reflective Coatings"

Advisor: Dr. Junpeng Guo

### College of Science

#### *Doctor of Philosophy*

**Reem N. Albashaireh**

Field: Applied Mathematics  
Dissertation: "Traveling Wave Solutions of a Chemotaxis Model: Existence and Stability"

Advisor: Dr. Shangbing Ai

**Vineetha Bettaiah**

Field: Computer Science  
Dissertation: "The Hierarchical Piecewise Linear Approximation of Time Series Data"

Advisor: Dr. Heggere Ranganath

**Tae Kwang Kim**

Field: Physics  
Dissertation: "Modeling the Solar Wind Outflow Using Boundary Conditions from Interplanetary Scintillation Observations"

Advisor: Dr. Nikolai Pogorelov

**Eric James Zirnstein**

Field: Physics  
Dissertation: "Simulating Hydrogen Energetic Neutral Atom Flux Measurements for NASA's *IBEX* Mission"

Advisor: Dr. Jacob Heerikhuisen

## **Interdisciplinary Programs**

### *Doctor of Philosophy*

#### **Mary Catherine Hames**

Field: Biotechnology Science  
and Engineering

Dissertation: "Pattern Specific Isotopical  
Labeling of Phenylalanine and  
Incorporation into Recombination Protein  
for Macromolecular Complex Study"

Advisor: Dr. Robert McFeeters

#### **Shery Lee Welsh**

Field: Material Science

Dissertation: "Atomic Scale Study  
of the Influence of Grain Boundary  
Character on Segregation and Oxidation  
in Commercially Pure Nickel"

Advisors: Dr. Jeffrey Evans  
and Dr. Keith Hollingsworth

## **College of Nursing**

### *Doctor of Nursing Practice*

#### **Elizabeth Ann Bailey**

Scholarly Project: "Pain, Agitation,  
and Delirium in the ICU: Implementation  
of an Integrated Assessment Bundle Leading  
to Optimal Patient Outcomes"

Advisor: Dr. Pam O'Neal

#### **Doris Elizabeth Clark**

Scholarly Project: "Adolescent Depression  
Screening in a Pediatric Practice"

Advisor: Dr. Kathy Newman

#### **Doris H. Hinton**

Scholarly Project: "Increasing Continuous  
Positive Airway Pressure Compliance  
in the Middle-Aged Client with Obstructive  
Sleep Apnea"

Advisor: Dr. Brenda Talley

#### **Deborah Lynett Lee**

Scholarly Project: "Participation of Alabama  
Nurses on Governing Boards: Identification  
of Facilitators and Barriers"

Advisor: Dr. Faye Anderson

#### **Steadman Lee McPeters**

Scholarly Project: "A Proposal for Engaging  
Student Participation in a Professional  
Nurses Organization"

Advisor: Dr. Susan Alexander

#### **Susan Michelle Perdue**

Scholarly Project: "Implementing Antibiotic  
De-Escalation Using the Antibiotic  
Stewardship Model"

Advisor: Dr. Haley Hoy

#### **Joyce LaFollette Shea**

Scholarly Project: "Prevention  
of Coronary Artery Disease in Patients  
with Type 2 Diabetes Mellitus:  
Development of a Checklist"

Advisor: Dr. Brenda Talley

#### **Nadia Swanson**

Scholarly Project: "Integrated Care  
for the Dually Diagnosed Patient  
a Pilot Project"

Advisor: Dr. Karen Frith

## **College of Business Administration**

### *Master of Accountancy*

**Carrie L. Amerson  
Rachel Miller Andrews  
Jordan Lee Baker**

**Dru Lawler Crumpton  
Samuel Onil Izatt  
Kyle Beres Spence**

### *Master of Business Administration*

**Tim Killen Adams  
Christopher William Anderson  
Madeleine R. Angles  
Matthew Alan Armstrong  
Sally Elizabeth Badoud  
Randy J. Barbour  
Jonathan Ryan Brown  
Eugene Venoy Ramon Carter  
Jennifer Marie Crabb  
Matthew G. Cruze  
David Stephen Curry  
Kristofer Adam Driggers  
Andrew John Duus  
Violet Ruffin Edwards  
Juncheng Fan  
Pamela Elizabeth Farnsworth**

**Michelle Johnson Givens  
Jessica Groupierre  
Jake Collin Hamby  
Nicholas Devin Hammonds  
John R. Holley  
Kathryn Ward Kilgo  
William Rowland Lambert  
Carson David Landers  
Lacy Lynn Laster  
Megan Scott Lewallen  
Tsai-Hsuan Lin  
Nathan Andrew List  
Keley E. Long  
Lauren N. Lukaszewicz  
Amber N. Mattson  
Mia Antoinette Morales**

**Brian Gregory Nash  
Mary Smothers Norton  
Matthew T. Reed  
Kristin L. Rodarte  
Mitchell Brock Ryan  
Amber M. Saucedo Cortez  
Veronica Ann Schrimpscher  
Douglas Wayne Scott II  
Nathaniel Wade Slaten  
Horace Anthony Spence  
Christopher Raaen Stewart  
Jeffrey Justin Stvan  
Andrea Page Thompson  
Michael D. Wallace  
Zhen Wang  
Richard Gerald Wilbourn**

### *Master of Science in Information Systems*

**Samah Abdelmagid  
Deepa Anantharaman  
Derek Richard Williams**



## College of Engineering

### *Master of Science*

**Michael Troy Bedsole**  
Aerospace Systems Engineering  
**Thomas Brooks**  
Aerospace Systems Engineering  
**Mallory Katherine Brown**  
Aerospace Systems Engineering  
**Brian Keith Dozier**  
Aerospace Systems Engineering  
**Jason W. Goerlich**  
Aerospace Systems Engineering

**Nishanth Reddy Goli**  
Aerospace Systems Engineering  
Thesis: "Development of an Integrated UAS  
for Agricultural Imaging Applications"  
Advisor: Dr. Brian Landrum  
**Cody Christopher Hall**  
Aerospace Systems Engineering  
**Wade W. Harlow**  
Aerospace Systems Engineering

**Owen Rhys Hinds**  
Aerospace Systems Engineering  
**Ashley Lauren Miller**  
Aerospace Systems Engineering  
**Jarrod Lamont Schneider**  
Aerospace Systems Engineering  
**Olivia Christine Scott**  
Aerospace Systems Engineering

### *Master of Science in Engineering*

**Bhavabhushan Yadav Abbu Venkatramareddy**  
Electrical Engineering  
**Ali Alhaj Darwish**  
Electrical Engineering  
**Chandana Anand**  
Mechanical Engineering  
**Lakshmy Balachandran**  
Computer Engineering  
**Laura Ashley Barkett**  
Aerospace Engineering  
Thesis: "3D Modeling of Heat Transfer  
and Gas Flow in a Grooved Ring Fuel  
Element for Nuclear Thermal Propulsion"  
Advisor: Dr. Jason Cassibry  
**Mark D. Becnel**  
Aerospace Engineering  
**James Newton Booker**  
Mechanical Engineering  
**Andrew Gordon Burgess**  
Industrial and Systems Engineering  
**Michelle E. Chaffin**  
Electrical Engineering  
**Amanda Black Clark**  
Electrical Engineering  
Thesis: "Analysis of Bi-Directional  
Reflectance Distribution Functions of  
Structured Rough Surfaces"  
Advisor: Dr. Robert Lindquist  
**Jason Scott Cole**  
Electrical Engineering  
Thesis: "Hypersonic Missile Control in  
Terminal Mode Using Higher Order Quasi-  
Continuous Sliding Mode Control and  
Observation Techniques"  
Advisor: Dr. Yuri Shtessel

**Christopher Daniel Colvett**  
Industrial and Systems Engineering  
**Timothy Michael Cooper**  
Industrial and Systems Engineering  
**Elizabeth Corcoran Deitering**  
Industrial and Systems Engineering  
**Mohammad Esmail Ehsani**  
Electrical Engineering  
**Ahmed Mohammed Yousry Mohammed ELSayed**  
Civil Engineering  
**Michael Thomas Fredricks**  
Mechanical Engineering  
**Christopher Michael Goff**  
Civil Engineering  
**Joshua David Harbin**  
Industrial and Systems Engineering  
**William M. Hart**  
Industrial and Systems Engineering  
**Thomas G. Hibbett**  
Electrical Engineering  
**Joseph Casey Hollenbeck**  
Industrial and Systems Engineering  
**Clayton Turner Hughes**  
Electrical Engineering  
**Benjamin Russell Jones**  
Mechanical Engineering  
**Vanessa Leah Kacer**  
Industrial and Systems Engineering  
**Elaheh Khani**  
Chemical Engineering  
Thesis: "Development of Surrogate  
for Emulating Thermo-Physical  
Properties of Jet Fuel"  
Advisor: Dr. Chien-Pin Chen

**Kyle Seth Knox**  
Mechanical Engineering  
**Crissy Brooke Kosier**  
Industrial and Systems Engineering  
**Akshay Ganesh Kulkarni**  
Electrical Engineering  
Thesis: "Twisting Algorithm for Controlling  
F-16 Aircraft with Performance Margins  
Identification"  
Advisor: Dr. Yuri Shtessel  
**Paul M. Lemon**  
Mechanical Engineering  
**Jason Kristopher Levandoski**  
Civil Engineering  
**Mahsa Leonna Liaghati**  
Electrical Engineering  
**Ryan Michael Manning**  
Industrial and Systems Engineering  
**Adam D. Mathias**  
Aerospace Engineering  
Thesis: "Modal Analysis and Acoustic  
Transmission Through Offset-Core  
Honeycomb Sandwich Panels"  
Advisor: Dr. Kader Frendi  
**Collin Edward McCann**  
Industrial and Systems Engineering  
**Alexander A. McCool IV**  
Mechanical Engineering  
**Richard Keith Nagel, Jr.**  
Industrial and Systems Engineering  
**Dena Michele Nesmith**  
Electrical Engineering  
Thesis: "Multipath Interference  
in a Target Track Radar"  
Advisor: Dr. Laurie Joiner

College of Engineering *Continued*

**Matthew Alan Nicely**  
Electrical Engineering

**Brian O'Connor**  
Mechanical Engineering

**Derek Wade O'Rear**  
Aerospace Engineering

**Michael Ray Pakruda**  
Industrial and Systems Engineering

**Albert Edward Patterson V**  
Industrial and Systems Engineering  
Thesis: "Design of Experiment to Analyze  
Effect of Input Parameters on Thermal  
Stress and Deformation in Overhanging  
Part Features Created with the SLM  
Additive Manufacturing Process"  
Advisor: Dr. Sherri Messimer

**Orest Pena, Jr.**  
Electrical Engineering

**Justin Alex Robinson**  
Electrical Engineering

**Cooper Earl Russell**  
Mechanical Engineering

**Deepak Shivamurthy**  
Electrical Engineering

**Aditi Singh**  
Electrical Engineering  
Thesis: "Downlink Coverage Probability  
in Multi-Tier Rician Fading Heterogeneous  
Cellular Networks"  
Advisor: Dr. Laurie Joiner

**Ryan James Smith**  
Industrial and Systems Engineering

**Jonathan Michael Swenson**  
Industrial and Systems Engineering

**Willy Chingwei Tang**  
Mechanical Engineering

**Leah Garnette Tracy**  
Electrical Engineering  
Thesis: "Error Reduction by Combining  
Strapdown Inertial Measurement Units  
in a Baseball Stitch"  
Advisor: Dr. Laurie Joiner

**Justin Vanderford**  
Industrial and Systems Engineering

**Surya Teja Veeravalli**  
Computer Engineering

**Chace Odell Walker**  
Electrical Engineering

**Sean Aaron Warner**  
Electrical Engineering

**Todd Landon Watts**  
Industrial and Systems Engineering

**Matthew James Weiland**  
Industrial and Systems Engineering

**John Wesley Wilkinson**  
Industrial and Systems Engineering

**Jackson Carrington Lee Wilson**  
Industrial and Systems Engineering

**Holley Elizabeth Wingard**  
Industrial and Systems Engineering

**Troy Steven Wolz**  
Computer Engineering  
Thesis: "Multi-Core Object-Oriented  
Real-Time Pipeline Framework"  
Advisor: Dr. Rhonda Gaede

*Master of Science in Software Engineering*

**Christopher M. Webb**  
Computer Engineering

## College of Liberal Arts

### *Master of Arts*

Rachel Marie Cochran  
English  
Brianna Rebecca Cox  
English  
Toby Vernon Davis  
Public Affairs  
Erin Michelle Gowdy  
English  
Charles C. Grimm  
English  
Megan Cotton Gully  
Public Affairs

Elizabeth Madrie Hardin  
English  
Parker Garrett Hughes  
Public Affairs  
Melissa Marie Miller  
History  
Jennifer Lynn Morgan  
Psychology  
Thesis: "Effects of Personality,  
Communication, and Cross-Training  
on Virtual Team Performance"  
Advisor: Dr. Sandra Carpenter

Sharon G. Powell  
English  
Amanda Adams Pryor  
Psychology  
Thesis: "Cross-Training in Virtual Teams"  
Advisor: Dr. Sandra Carpenter  
Ashley Morgan Sylvester  
English

## College of Nursing

### *Master of Science in Nursing*

Jessica Charlotte Aaron  
Christina I. Adams  
Amanda Kaye Adcock  
Randall Alban  
Thesis: "Validation of an Instrument  
to Measure United States Healthcare  
Providers Attitudes and Beliefs  
Regarding Early Palliative Care"  
Advisor: Dr. Ellise Adams  
Emilia E. Arrey  
Melissa Anne Aycock  
Amanda Katherine Barton  
Cynthia Elaine Bates  
April Brown  
Misti Michelle Brown  
Michelle K. Bull  
Leah Pochop Bush  
Andrea Stapler Casteel  
Yun-wei Chang  
Vicky Cheryl Chesser  
Elizabeth Ellen Clark  
Julie Ann Connor  
Abbey Kristin Cooper  
Elizabeth Rebecca Cooper  
Emily Lewis Cork  
Suzanne Laramore Crocker  
Allyson Leigh Dalton  
Jena Shalest Daniel  
William Blake Daniel  
Sara Elizabeth Dorris  
Alexander John Eganhouse

Anne Marie Fraley Rainey  
Thesis: "Inhibiting and Supporting  
Factors in Implementation of the Baby  
Friendly Hospital Initiative"  
Advisor: Dr. Brenda Talley  
Christine Marie Fussell  
David Manson Grisham  
Amber Nichole Horton  
Ashley Renae Jae  
Anne Njoki Kariuki  
Kalan Ann Kelch  
Marie Noblitt Kennedy  
Ashley Paige King  
Catherine Kelsey Kinslow  
Harley Kent Kinslow  
Emily Faye Komara  
Shannon Lynn Lee  
Rhonda Jane Marcum  
Mary H. Martin  
Murphee Emma Mashburn  
Amanda Leann McCann  
Lilymit Moktan  
Earrace Joseph Morris  
Christie L. Morrison  
Lynette L. Moxey  
Kristin Mosier Nero  
Monica Lynn Newton  
Jessica Lauren Oliver  
Jody Andrew Oliver  
Elizabeth Hanna Otto  
Naomi Sato Owens

Kristina A. Parker  
Kevin Lee Patterson  
Tiffany Elizabeth Peel  
Amy Pittman  
Heather Rebecca Porch  
Amanda J. Qualis  
Maria Eugene Rachuonyo  
Nancy Cline Reedy  
Michael Alexander Richardson  
Theresia L. Roach  
Brittany Lynn Robertson  
Angela G. Sellers  
Bettie Lillian Smith  
Jonathan G. Smith  
Misty Lynn Sorrow  
Stefanie Ann Spence  
Tonya F. Staats  
Patrick Gregory Tatum  
Carla Swanson Trail  
Jennifer Sexton Turner  
Valerie Lynne Vanstone  
Julie A. Vincent  
Renee T. Wall  
Kelli Elizabeth Wells  
Wyndie Watson White  
Shawna Jenea Williams  
Kimberly T. Willis  
Abby Rose-Hitchcock Wilson  
Kristina Diane Zuschlag

## College of Science

### Master of Science

- Reem A. Alsalamah**  
Physics  
Thesis: "Measurement of the Group Velocity Dispersion of Air Using a Femtosecond Comb"  
Advisor: Dr. Lingze Duan
- Venkata Phanindra Reddy Bhavanam**  
Computer Science
- Somasekhar Reddy Bogireddy**  
Computer Science
- Craig Sybren Bosma**  
Mathematics
- James Charles Brenton**  
Earth System Science  
Thesis: "A Statistical Comparison of Four Precipitation Climate Datasets in the Ganges-Brahmaputra-Meghna River Basin"  
Advisor: Dr. Robert Griffin
- Amanda Wrae Byars**  
Chemistry
- Stephanie Rebecca Cale**  
Biological Sciences  
Thesis: "DOC of Bacteriophage P1 is an Enzyme that Inhibits Translation and Phosphorylates a Protein Target"  
Advisor: Dr. Roy Magnuson
- Emily Louise Foshee**  
Atmospheric Science
- Brian Matthew Freitag**  
Atmospheric Science
- Vimal Aditya Gangaraju**  
Computer Science
- Nicholas Muller Gorgone**  
Physics
- Muhammed Emin Gulduren**  
Physics  
Thesis: "Fabrication and Characterization of Thermoelectric Nanolayer Thin Films Modified by MeV Si Ions"  
Advisor: Dr. Saltimis Budak
- Ivayla Emilova Gyurova**  
Biological Sciences  
Thesis: "Function of the L22 Ribosomal Protein in Regulation of Gene Expression in *Escherichia coli*"  
Advisor: Dr. Luis Cruz-Vera
- Rachel C. Harrison**  
Mathematics
- Sijay Huang**  
Material Science
- Lindsey C. Huskey**  
Biological Sciences
- Robert Anthony Junod**  
Atmospheric Science
- Reesha Khan Khadeer**  
Biological Sciences
- Erika Knott**  
Biological Sciences  
Thesis: "Caffeine Modulation of Anticancer Drug Activity Against Topoisomerase II"  
Advisor: Dr. Debra Moriarity
- Abhay Santhosh Koduru**  
Computer Science
- Ernest William Larson III**  
Computer Science
- Xuechang Liu**  
Atmospheric Science
- Krishna Prasad Matta**  
Computer Science
- Nandita Saha Ojha**  
Biological Sciences  
Thesis: "L-Tryptophan Inhibits RF2 Function Preventing Ribosome Release from mRNA"  
Advisor: Dr. Luis Cruz-Vera
- Kenneth Earl Pence, Jr.**  
Biological Sciences
- Konstantinos Prapiadis**  
Computer Science  
Thesis: "Software Component Metadata for Selecting and Verifying Model Compositions in Semi-Automated Forces Systems"  
Advisor: Dr. Mikel Petty
- Matthew Dale William Saari**  
Atmospheric Science  
Thesis: "Nowcasting of Peak Lighting Density Using Geostationary Satellite and Model Simulations"  
Advisor: Dr. John Mecikalski
- Suman Shakya**  
Computer Science
- Prativa Sharma**  
Biological Sciences  
Thesis: "The Role of the L4 Ribosomal Protein in the Expression Regulation of *Escherichia coli* Genes"  
Advisor: Dr. Luis Cruz-Vera
- Adam Thomas Sherrer**  
Atmospheric Science  
Thesis: "Observational Analysis of the Interaction Between a Baroclinic Boundary and Supercell Storm on 27 April 2011"  
Advisor: Dr. Kevin Knupp
- Shreedhan Shrestha**  
Computer Science
- Madhu Sudan Sigdel**  
Computer Science  
Thesis: "Focal Stacking of Microscopic Images Using Modified Harris Corner Response Measure"  
Advisor: Dr. Ramazan Aygun
- Richard Alan Solomon, Jr.**  
Cybersecurity
- Venkatasai Chaitanya Surapuram**  
Chemistry  
Thesis: "Activity of Plant Essential Oils and Extract Against Pathogenic Fungi"  
Advisor: Dr. Robert McFeeters
- Srinivas Suru**  
Computer Science
- Bich Thi Ngoc Tran**  
Biological Sciences  
Thesis: "The Impact of Nitrogen Limitation and Mycorrhizal Symbiosis on Aspen Tree Growth and Development"  
Advisor: Dr. Leland Cseke
- Andrew Tyler White**  
Atmospheric Science
- Colin Ray White**  
Mathematics
- Jinlei Zheng**  
Physics  
Thesis: "Transverse and Compressional Hydromagnetic Waves in the Earth's Magnetosphere"  
Advisor: Dr. Qiang Hu

## HONOR GRADUATES

### Students Graduating Summa Cum Laude

Kathryn Grace Bekken	Robert Kimble Cole
Jennifer Marie Bish	Sara Beth Creel
Amanda G. Blanton	Nicholas Glenn Davis
Cody L. Blue	Caleb S. Duke
Lillian Teicher Branham	Matthew Eddy
Catherine Ann Bruce	Wesley A. Eledui
Tammy Michelle Cantrell	Christopher Jude Gorbatoff
Thomas A. Cassidy	Anna Catherine Grace
Paul G. Clay	Amy Jo Harbin
Grace Raynise Cochran	Carolyn Williams Haydel

### 3.9 - 4.0 on course work at UAH

Jessica Marie Hays	Satya Anike Muhammad
Cristen Ann Hendrix	Janet L. Phillips
Michael Patrick Henry	Adrien Saremi
Marie N. Kaminsky	Hannah Elizabeth South
Wendy Pair Kennedy	Dawn Mae Sylvester
Haley Leslyn Kimbrell	Shannon L. Terry
Walter S. King, Jr.	Larae A. Wade
Dung Tuan Le	Sonya Wandji
Jennifer Shelton Lentz	John B. Wilkes III
John Howard Morley	

### Students Graduating Magna Cum Laude

Ashish V. Baria	Karyn Drown
Mary Kate Ashley Boykin	Efridge Loren Engelhardt
Benjamin Alan Brackney	Shannon Elizabeth Flynn
Jennifer Lynn Bunn	Joseph Paul Gregory
Willman Lee Burket	Barbara Lee Hayes
Yuxi Chen	Maria Paige Hedden
Rebecca Cho	Mary Elizabeth Hendrix
Ross Alexander Compher	Christopher Allen Henry
Chelsey Kristina Cosby	Anna Celeste Hester
Liberty Rose Dodd	Phillip B. Irwin
Patrick Fitzgerald Doyle	Robert Carl Jenson

### 3.7 - 3.899 on course work at UAH

Clinton James Knox	Rebekah A. Raymond
Ryan W. Little	Terryn Jo Rice
Elise Marie Luria	Tiffanie L. Ripley
Caitlin Anne Lynch	Jonathon David Savoy
Amanda N. Mahan	Lee Nephi Smithson
Molly Morgan Mahan	Caleb Lasserre Stewart
Nuzhat F. Majid	Joshua A. Torrence
Katherine Heather Matthews	Andrea Leigh Williams
John Clinton McIntosh	Christian B. Willoughby
James Robert Noble	Jennifer Christi Wood
Travis Michael Rael	

### Students Graduating Cum Laude

John Gabriel Abernathy	Eugene Malcolm Davis
John Benton Alcorn	Anna Rebecca DeSchepper
Sam Lee Anderson	Darcy Jean Duus
Christopher T. Aymond	Lauren Peggy Elam
Karim Samy Nasief Babawy	Kaytrinia Long Gaddis
Brian Christopher Barker	Timothy A. Gauldin
Paul Jacob Bauer	Jessica Lauren Gore
Justin Tyler Bennett	James Hardin
Victoria Rose Blakely	Kristen Noel Harris
Katherine Leigh Broussard	Rebecca M. Hauser
Theresa K. Brown	Kara Lee Haynes
Elizabeth Burnett	Tessa Marlys Hays
Charlotte A. Cain	Wendy Leigh Hazle
Bryan Anthony Call	Garrett Stephen Holmes
William Maxil Carter	Travis Ehi Igboin
Alejandro Elliott Colmenero	Takahiro Ishitobi
Amy Elizabeth Cooper	Debra Gamble Jackson
Samuel Ellis Cornelius	Colm G. Kane
Nicholas Dale Cox	Anne R. Kelly
Mario Marcellus Cummins	Kristopher Jeffery Kepley
Tyler Dale Cunningham	Jessica Marie King
Alexander Kyle Davis	Caleb Trente Lamb

### 3.4 - 3.699 on course work at UAH

Keith Joseph Leahy	Conner Merrill Rowe
Melanie Nicole Levinson	Abe Lawrence Rummell
Kyung Sun Lockwood	Jonathan Michael Sanborn
Robert Derek Long	Daniela Sanchez
Courtney R. Martin	Kameca Alana Shields
Sarah Capri McCue	Sarah Katelyn Smith
Justin Alan McNutt	Danielle Nicole Spillane
Brent Lee Mortensen	Mary S. Steinert
Colt Aaron Murphree	Ari S. Stephenson
Ashley Dawn Neeley	Rachel Ann Stewart
Nicole Nelson	Amanda J. Sticker
Theresa Yaa Owusuwaah	Lisa Renee Stone
Christopher Stephen Parker	John J. Svatek
Natalie Rae Parker	Jacob Nathaniel Swanson
Deborah Lynn Pike	Shu Tan
Steven Tyrell Pollock	Shannon Kelli Therrell
Brett Patterson Powell	Phyllis Brown Turner
Kimberly L. Randolph	Jasmine Catherine Vidaurri
Timothy Lee Reeves	Joshua Allen Vogel
Schuyler C. Rich	Cortney Alyssa Wood
Daniel Lee Root	Adrienne Woodland
Jayne Claire Roth	

*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.*

## College of Business Administration

### *Bachelor of Science*

Ashley Valencia Odoms

Economics and Computational Analysis

### *Bachelor of Science in Business Administration*

Renatta Rhiannon America

Management

Brian Caleb Anderson

Marketing

Nick Anderson

Marketing

Jennifer L. Arnold

Accounting

Ashish V. Baria

Information Systems

Carmelita Maria Beaver

Marketing

Kathryn Grace Bekken

Accounting

Lynne Isbell Bennett

Accounting

Jennifer Marie Bish

Management

Rachel Anne Marie Brown

Management

Robert Neil Bunch

Information Systems

Willman Lee Burket III

Marketing

Elizabeth Burnett

Accounting

Austin Thomas Butts

Information Systems

Ryan Lee Carlton

Information Systems

Jordan Kawano Carr

Information Systems

William Maxil Carter

Accounting

Lina Marcela Carvajal Jurado

Management

Taylor R. Chapman

Management

Yuxi Chen

Accounting

Kristopher John Chenault

Marketing

Rebecca Cho

Marketing

Alexander Chase Cleveland

Information Systems

Jonathan C. Cloud

Management

Grace Raynise Cochran

Accounting and Finance

Samuel Ellis Cornelius

Management

Ashley Tipton Cruse

Management

Justin A. Cseter

Management

Joseph Aaron Cunningham

Accounting

Rachel Marie Darson

Marketing

Andrew Lee Dempsey

Management

Nativita N. Dhaiti

Accounting

Caitlin Raquel Dickerson

Management

Karyn Drown

Finance

Alyson Marie Duke

Management

Matthew Eddy

Finance

Lauren Peggy Elam

Information Systems

Efridge Loren Engelhardt

Management

Sojila Francisco

Management

Derek Glen Frost

Accounting

Timothy A. Gauldin

Finance

Marianne Denise Gilliam

Management

Kyle J. Glazik

Management

Chelsea Elizabeth Gleason

Management

Graham T. Gold

Marketing

Andrew Ryan Gray

Information Systems

Christopher J. Groh

Management

Jasmine Mahnique Hammon

Information Systems

Dixie R. Hampton

Management

Jeffery Chase Handley

Management

Barbara Lee Hayes

Accounting

Gregory A. Hill

Marketing

Andrew Mark Holcomb

Accounting

David Warren Hueffed

Marketing

Anna Leigh Johnson

Management

Kayla M. Johnson

Accounting

Morgan E. Johnson

Accounting

Jessica Nicole Jones

Management

Breanna M. Kellum

Marketing

Jessica Marie King

Accounting

Jessica Lauren Koebel

Marketing

Kevin B. Leach

Information Systems

Melissa Joan Lee

Marketing

Hyunju Lim

Marketing

Marquiz Lamar Linc

Information Systems

Oschelle Abellon Lopez

Information Systems

Andrew J. Low

Accounting and Management

Shelby Maxwell

Marketing

Denzell M. McGlathery

Management

Justin Alan McNutt

Management

Royce Miller

Information Systems

Sean Michael Monahan

Finance

**Terry Andrew Phillip Morgan**  
Accounting  
**Brianna Corum Mosley**  
Management  
**Carl M. Msadoques**  
Management  
**Samantha Megan Murphy**  
Accounting  
**Robert Nelson**  
Management  
**Scott Nicholas O'Neill**  
Accounting and Management  
**Kevin Joseph Pape**  
Management  
**Brett Patterson Powell**  
Management  
**Terryn Jo Rice**  
Accounting  
**Schuyler C. Rich**  
Accounting  
**Stefan Alexander Riddle**  
Management  
**Tiffany L. Ripley**  
Management  
**Laura Katherine Robison**  
Information Systems  
**Cornell Rogers, Jr.**  
Management  
**Jessica LaShawn Rones**  
Management  
**Conner Merrill Rowe**  
Management  
**Bo Shang**  
Finance  
**Tianyi Sheng**  
Accounting  
**Leah Mechelle Smith**  
Management  
**Sarah Katelyn Smith**  
Accounting  
**Lee Nephi Smithson**  
Information Systems  
**Junjie Song**  
Marketing  
**Harold Wendell Sons**  
Management  
**Tanaja RaShon Spiller**  
Management

**Lara Catherine Statham**  
Accounting  
**Andrew Y. Stroik**  
Information Systems  
**Derek A. Sutton**  
Information Systems  
**Dawn Mae Sylvester**  
Accounting and Information Systems  
**Shu Tan**  
Accounting  
**Rebecca B. Thompson**  
Marketing  
**Nathan Evan Todd**  
Finance  
**Zachariah Allen Tucker**  
Information Systems  
**Joshua Allen Vogel**  
Management  
**Althea Chanel Westbrook**  
Marketing  
**Nicole Kay Wiles**  
Management  
**Christian B. Willoughby**  
Accounting  
**Nikki Deneine Wright**  
Management  
**Junfei Yao**  
Finance  
**Davis Rust Yarbrough**  
Information Systems

## **College of Engineering**

### *Bachelor of Science in Aerospace Engineering*

**Mirza Imtiaz Ahmed**  
**John Benton Alcorn**  
**Cody L. Blue**  
**Robert Chadwick Branch**  
**Damon T. Faris**  
**Joshua R. Hendrix**  
**Mark William Obiyo Ibekwe**  
**Takahiro Ishitobi**  
**Dominique Danielle Jefferson**  
**Anne R. Kelly**  
**Nathan Drew Kirkpatrick**  
**Dustin Wayne Love**

**Andrew Miller**  
**Bradley Ross Miller**  
**Allen Chandler Mills**  
**Sasha D. Mujica**  
**Ashley Dawn Neeley**  
**Bradley Michael Partin**  
**†Andrew Ryan Perka**

Thesis: "Evaluation of Rapid  
Prototyping Applications  
to Manufacture a CubeSat  
Engineering Test Model"  
Advisor: Dr. P.J. Benfield

**Jonathon R. Peters**  
**Derek Kole Redford**  
**Katelyn Elizabeth Smith**

### *Bachelor of Science in Chemical Engineering*

**John Andrew Batson**  
**Bryan Anthony Call**  
**Joshua Jossey**

**Jonathon David Savoy**  
**Kira Renee Thomas**  
**Melissa Ward**

### *Bachelor of Science in Civil Engineering*

**Marcus Elias Blake**  
**Christopher Codey Brandon**  
**Brandon Lee Camp**  
**Coralie Frances Eddins**  
**Ryan W. Little**

**Joshua Nathaniel McCurdy**  
**Jessica Bailee Robinson**  
**Hannah Elizabeth South**  
**Amanda J. Sticker**  
**Stacia Joy Watts**

### *Bachelor of Science in Computer Engineering*

**Wesley Steven Bartholomae**  
**Stephen Paul Beier**  
**Justin Tyler Bennett**  
**Thomas A. Cassidy**  
**Robert Kimble Cole**  
**Eugene Malcolm Davis**  
**Samuel Jordan Dover**

**Wesley A. Eledui**  
**Daniel James Moore**  
**John Brandon Ross**  
**Caleb Lasserre Stewart**  
**Jacob Nathaniel Swanson**  
**John B. Wilkes III**



*Bachelor of Science in Electrical Engineering*

Christopher T. Aymond  
Donna M. Baughn  
Brian R. Brown  
Jacob Paul Chandler  
Chelsey Kristina Cosby  
Nicholas Cecil Courtney  
Matthew Crowder  
Mario Marcellus Cummins  
Michael Ryan Curths  
Marcia Anne Custer  
Clifton Michael Dalessandro  
Omid Ata Deylami  
Patrick Fitzgerald Doyle

Charles Bradley Farmer  
Alyson Danielle Garnes  
James Hardin  
Daiven T. Harper  
Kara Lee Haynes  
Robert Carl Jensen III  
Michael Jumper  
Colm G. Kane  
Catherine Elizabeth Kennedy  
Clinton James Knox  
Beverly Gail Martin  
Matthew G. Mercier  
Joseph Earl Miley

Larry Arthur Miller  
Jacob Keith Nix  
Timothy Scott Norton  
Raphael Ferreira Barata De Oliveira  
Heath Leecel Proctor  
Jerick Devan Rowell  
Sean Michael Stewart  
H. Martez Taylor  
Joshua A. Torrence  
Travis M. Tuck  
Darryl Wayne Warren  
Robert Brand Williams

*Bachelor of Science in Industrial and Systems Engineering*

John Gabriel Abernathy  
Jarrett Mack Brothers  
Alexander Kyle Davis  
Richard Sawyer Harvell  
Tessa Marlys Hays

Anna Celeste Hester  
Kristopher Jeffery Kopley  
John Howard Morley  
Joseph Michael Schrenk  
Ari S. Stephenson

Rachel Ann Stewart  
Colby T. Wallace  
Brian Z. Wileman

*Bachelor of Science in Mechanical Engineering*

Douglas B. Acker, Jr.  
Karim Samy Nasief Babawy  
Mark Anthony Bales  
Kevin Anthony Bennett  
Bridget Shae Birdsong  
Denika Ercil Charles  
Paul G. Clay  
Dustin Eugene Coffman  
Amy Elizabeth Cooper  
Tyler Dale Cunningham  
Daniel Joseph Dary  
Jeffery T. Fortenberry  
Stephen Arthur Fredricks  
Megan Elizabeth Handback

Michael Patrick Henry  
Joseph Michael Keegan  
Walter S. King, Jr.  
Caleb Trente Lamb  
Dung Tuan Le  
Keith Joseph Leahy  
Jordan Thomas Lee  
Thomas James Lombard  
Robert Derek Long III  
Molly Morgan Mahan  
Brandon L. McNutt  
Jonathan Tilahun Mitike  
Jacob Wesley Muir  
Colt Aaron Murphree

Kyle L. Nelson  
Derek Grayson Odom  
Kalob K. Ownby  
Megan Danielle Pitts  
Jason A. Ruzicka  
Jaclynn B. Smith  
Matthew C. Spalding  
Scott Thomas Springer  
Bradford Chesley Suggs  
Victor Joel Tapia  
Jonathan L. Terrell  
Sheri Monique Thorn

## College of Liberal Arts

### *Bachelor of Arts*

- James Michael Allen**  
Communication Arts
- Peter Alvarez**  
History
- Sam Lee Anderson**  
Art
- Elizabeth Gevene Barber**  
Communication Arts
- Brian Christopher Barker**  
Foreign Language and International Trade:  
Spanish
- Jordan Barrios**  
Communication Arts and English
- Benjamin Blair**  
History
- Heather Alyson Blakely**  
Political Science
- Victoria Rose Blakely**  
Psychology
- Cassandra Gladys Lorean Boone**  
Psychology and Sociology
- Mary Kate Ashley Boykin**  
Elementary Education  
Class B, Elementary Education,  
Grades K-6
- Savannah Emily Burton**  
Elementary Education  
Class B, Elementary Education,  
Grades K-6
- Charlotte A. Cain**  
Political Science
- Mary J. Carelli**  
English
- Christen Christiansen**  
Sociology
- Rebecca Suzanne Collins**  
Political Science
- Ross Alexander Compher**  
History
- Sara Beth Creel**  
Music  
Class B, Music Grades P-12
- Nicholas Glenn Davis**  
Philosophy
- Caleb S. Duke**  
Philosophy and Political Science
- Sonia Denise Fowler**  
Communication Arts
- Bethany Lynn Galkowski**  
Art
- Courtney Nicole Goodine**  
Sociology
- Jessica Lauren Gore**  
Elementary Education  
Class B, Elementary Education,  
Grades K-6, Collaborative Teacher,  
Grades K-6
- Anna Catherine Grace**  
History
- Cherina Griffin**  
Communication Arts
- Amanda Hardin**  
Elementary Education  
Class B, Elementary Education,  
Grades K-6, Collaborative Teacher,  
Grades K-6
- Kristen Noel Harris**  
Political Science
- Andrew H. Haynes**  
English  
Class B, English/Language Arts,  
Grades 6-12
- Jessica Marie Hays**  
Psychology
- Wendy Leigh Hazle**  
History
- Mary Elizabeth Hendrix**  
Elementary Education  
Class B, Elementary Education,  
Grades K-6, Collaborative Teacher,  
Grades K-6
- Matthew David Hendrix**  
Music  
Class B, Music Grades P-12
- Daniel Scott Hill**  
Music
- Maci Kim Hladky**  
Communication Arts
- Garrett Stephen Holmes**  
English
- Lindsey Horstick**  
Psychology
- Phillip B. Irwin**  
History
- Joshua Cole Johnson**  
English
- Marie N. Kaminsky**  
Communication Arts
- Justin Daniel Keeton**  
Art
- Jessica Renae King**  
Political Science
- Daniel M. Lambert**  
Foreign Language and International  
Trade: German
- Michael Scott Little, Jr.**  
Political Science
- Kyung Sun Lockwood**  
Music
- Elise Marie Luria**  
Art
- Amanda N. Mahan**  
Art
- Katherine Heather Matthews**  
Foreign Language: Spanish
- Kendra Lynise Miller**  
Psychology
- Hayley Marie Nast**  
Psychology
- James Robert Noble**  
Foreign Language and International  
Trade: Spanish
- Tiffany Danielle North**  
Sociology
- Natalie Rae Parker**  
Foreign Language: Spanish
- Meagan Elyse Pierce**  
Psychology
- Brandon Jerome Ponds**  
Philosophy and Political Science
- Leslie Meredith Posey**  
Art
- Lynette Elizabeth Potter**  
Psychology
- Jaci Rae Quam**  
Foreign Language: Spanish
- Nolynn Olivia Quam**  
English
- Rebekah A. Raymond**  
Elementary Education  
Class B, Elementary Education,  
Grades K-6, Collaborative Teacher,  
Grades K-6
- Patrick John Henry Richardson**  
Art
- Candace I. Rose**  
English  
Class B, English/Language Arts,  
Grades 6-12

†Daniela Sanchez  
Sociology  
Thesis: "How Does Sexual  
Experience Translate to the Labels  
that People Use to Identify  
Themselves?"  
Advisor: Dr. Richard Simon

David Michael Smith  
Political Science

Margaret Katherine Souder  
Elementary Education  
Class B, Elementary Education,  
Grades K-6

Taylor G. Stapler  
Psychology

Mary S. Steinert  
English  
Class B, English/Language Arts,  
Grades 6-12

Steven Harold Stratton  
Sociology

†Kyle L. Thede  
Communication Arts  
Thesis: "Rockets and Rhetoric:  
The U.S. Space and Rocket Center  
and the Principles of Rhetorical Study"  
Advisor: Dr. Clarke Rountree

Shannon Kelli Therrell  
Music

Gregory Lanier Thomas  
Art

LaShondra Monae Thomas  
Psychology

Phyllis Brown Turner  
Foreign Language and International Trade:  
Spanish

Jasmine Catherine Vidaurri  
Elementary Education  
Class B, Elementary Education,  
Grades K-6

Everett Nicholas Vital  
History

Larae A. Wade  
Communication Arts and Psychology

Andrea Leigh Williams  
Art

Adrienne Woodland  
History

Ariana Simone Xicotencatl  
Art

*Bachelor of Fine Arts*

Robert Austin Archard  
Art

Amanda G. Blanton  
Art

Maria Paige Hedden  
Art

Courtney R. Martin  
Art

## College of Nursing

### *Bachelor of Science in Nursing*

Nicole Denise Aarethun  
Diane Cynthia Allen  
Paul Jacob Bauer  
Lillian Teicher Branham  
Katherine Leigh Broussard  
Catherine Ann Bruce  
Rebecca Ann Arias Buchmann  
†Jennifer Lynn Bunn

Thesis: "Isolation of *Sac7d* and *Cren7*  
Proteins from *Escherichia Coli* for  
Comparative Biophysical Analysis"  
Advisor: Dr. Karen Frith

Emily Ann Byers  
Tammy Michelle Cantrell  
Ashlyn Anne Canty  
Lindzy Suzanne Carter  
Laura A. Chandler  
Lillian D. Cockrell  
Emily Kristen Commiskey  
Karen Conn  
Amanda Cox  
Anna Rebecca DeSchepper  
Liberty Rose Dodd  
Kimberly Diane Dunson  
Darcy Jean Duus  
Brittany N. Elder  
Deidra Lynn Fleming  
Lindra Nicole Fox  
Kaytrinia Long Gaddis  
Cayla Ray Garrett  
Christopher Jude Gorbatoff  
Renée Marie Groothuizen  
Sandra Delfina Gutierrez  
Amy Jo Harbin  
Davieon Kristan Hargett  
Carolyn Williams Haydel  
Cristen Ann Hendrix  
Jacob Scott Hill  
Mark Edward Holladay  
Amy Alicia Holt  
Debra Gamble Jackson  
Amber Monique Jennings  
Rustin Bendall Johnson  
Whitney Nicole Jones  
Kadiatu Salamatu Kamara  
Kayla Elizabeth Kennamer  
Wendy Pair Kennedy  
Haley Leslyn Kimbrell  
Jennifer Shelton Lentz  
Melanie Nicole Levinson  
Caelin Ryan Light  
Brittany Carol Mack

Ahmed M. Mahdi  
Sunny Akwo Makolo  
Noel Marie Mangrum  
Mark Stanislaus Marchlinski  
Fredy Juan Matias  
Sarah Capri McCue  
Laura Marie McDaniel  
Bradley Alan Moore  
Brent Lee Mortensen  
Satya Anike Muhammad  
Jocelyn Marie Nash  
Sara L. Nelms  
Nicole Nelson  
Charles David Newsom  
Theresa Yaa Owusuwaah  
Radhika Patel  
Mary Elizabeth Patterson  
Janet L. Phillips  
Deborah Lynn Pike  
Phillipa B. Pou  
Jeffery Q. Preston  
Kimberly L. Randolph  
Kaylyn Brook Reeves  
Elizabeth L. Riddle  
Daniel Lee Root  
†Jayne Claire Roth

Thesis: "Analysis of Medication  
Safety in Intensive Care Units"  
Advisor: Dr. Karen Frith

Abe Lawrence Rummell  
Jonathan Michael Sanborn  
Nuriye Sarpkaya  
Patrick Sellers  
†Kameca Alana Shields

Thesis: "Volatile Organic Compounds and  
Formaldehyde Levels in Ground-Based  
Simulated Spacecraft Cabins and the  
Comparison of GC/MS (EPA/TO-15) and  
GC/Gerstel Thermal Desorption System as  
Two Different Volatile Organic Compounds"  
Advisor: Dr. Azita Amiri

Angela B. Smyly  
Danielle Nicole Spillane  
Emily Frances Steely  
Lisa Renee Stone  
John J. Svatek  
Julianne Kirchner Taylor  
Shannon L. Terry  
Lakeia Shunta Tyus  
Dawn T. Walker  
Jessica Anne Walker  
Sonya Wandji

Michael David Watson  
Taylor White  
Lindsey Kate Matthews Whitehead  
Jayson B. Whorton  
Constance D. Wilson  
Jennifer Nicole Woelke  
Jennifer Christi Wood  
Blossom M. Yumul

## College of Science

### Bachelor of Science

**Tamisha Nicole Atkins**  
Biological Sciences

**Samuel Phillip Ayers**  
Earth System Science

**John Andrew Batson**  
Chemistry

**Jennifer Lenee Bethig**  
Biological Sciences

**Shekofeh Biazar**  
Biological Sciences

†**Jennifer Marie Bish**  
Chemistry  
Thesis: "Design, Expression and Isolation of Cren 7 Protein to Start Biophysical Characteristic Assessment"  
Advisor: Dr. John Shriver

**Adam Daniel Blacklidge**  
Computer Science

**Benjamin Alan Brackney**  
Mathematics and Physics

**Kenya Tamika Bright**  
Biological Sciences

**Karl G. Brown**  
Computer Science

**Theresa K. Brown**  
Biological Sciences

**Bryan Anthony Call**  
Chemistry

**Brandon A. Calvert**  
Biological Sciences

**Elizabeth Nicole Campbell**  
Biological Sciences

**Richard Curtis Caywood**  
Computer Science

**Rebecca Chalker**  
Biological Sciences

**Christopher Michael Coleman**  
Computer Science

**Joshua Michael Coleman**  
Biological Sciences

**Alejandro Elliott Colmenero**  
Biological Sciences

**Martin Cox**  
Computer Science

**Nicholas Dale Cox**  
Computer Science

**Gary Edward Deschaines**  
Computer Science

**Nicole Michelle Dickens**  
Biological Sciences

**Thao T. Do**  
Biological Sciences

**Jaymie J. Dornan**  
Biological Sciences

**Shannon Elizabeth Flynn**  
Computer Science

**Michael S. Foss**  
Computer Science

**Robert William Gamble**  
Computer Science

**Joseph Paul Gregory**  
Computer Science

**Rebecca M. Hauser**  
Biological Sciences

**Alexander Ross Hayden**  
Mathematics

**Christopher Allen Henry**  
Computer Science

**Aaron Scott Henslee**  
Biological Sciences

**Nathan Tyler Henson**  
Biological Sciences

**Julia Clark Hollis**  
Biological Sciences

**James Gregory Hollmann**  
Mathematics

**Travis Ehi Igboin**  
Biological Sciences

**Megan LeeAnn Kinhead**  
Biological Sciences

**Johnathon Aaron Laney**  
Computer Science

**Jennifer Anne Li**  
Biological Sciences

**Dustin L. Lisenby**  
Computer Science

**Caitlin Anne Lynch**  
Biological Sciences and Chemistry

**Nuzhat F. Majid**  
Biological Sciences

**Jacob P. Mann**  
Biological Sciences

**John Clinton McIntosh**  
Biological Sciences

**Brandon Michael Murphy**  
Computer Science

**Dennis Wayne Mynatt**  
Biological Sciences

**James Robert Nelson**  
Biological Sciences

**Christopher Stephen Parker**  
Physics

**Adam Edward Pike**  
Biological Sciences

**Steven Tyrell Pollock**  
Mathematics

**Wyatt Andrew Powell**  
Mathematics

**Travis Michael Rael**  
Earth System Science

†**Timothy Lee Reeves**  
Earth System Science

Thesis: "External Influences: The Effects of Thermal Boundaries, Gravity Waves, and Topography on Tornadoic Events"  
Advisor: Dr. Kevin Knupp

**Adrien Saremi**  
Mathematics and Physics

**Jonathon David Savoy**  
Chemistry

**Nathan Jeremiah Sissom**  
Computer Science

**Harsha Srikakolapu**  
Biological Sciences

**Gregory P. Stevens**  
Biological Sciences

**Lance M. Stone**  
Computer Science

**Brian Edward Suhs**  
Computer Science

**Andrew Warren Swallow**  
Mathematics

**Kevin Peter Tonn**  
Mathematics

**Timothy Kyle Uselton**  
Biological Sciences

**Jeremy Ray Wilbourn**  
Biological Sciences

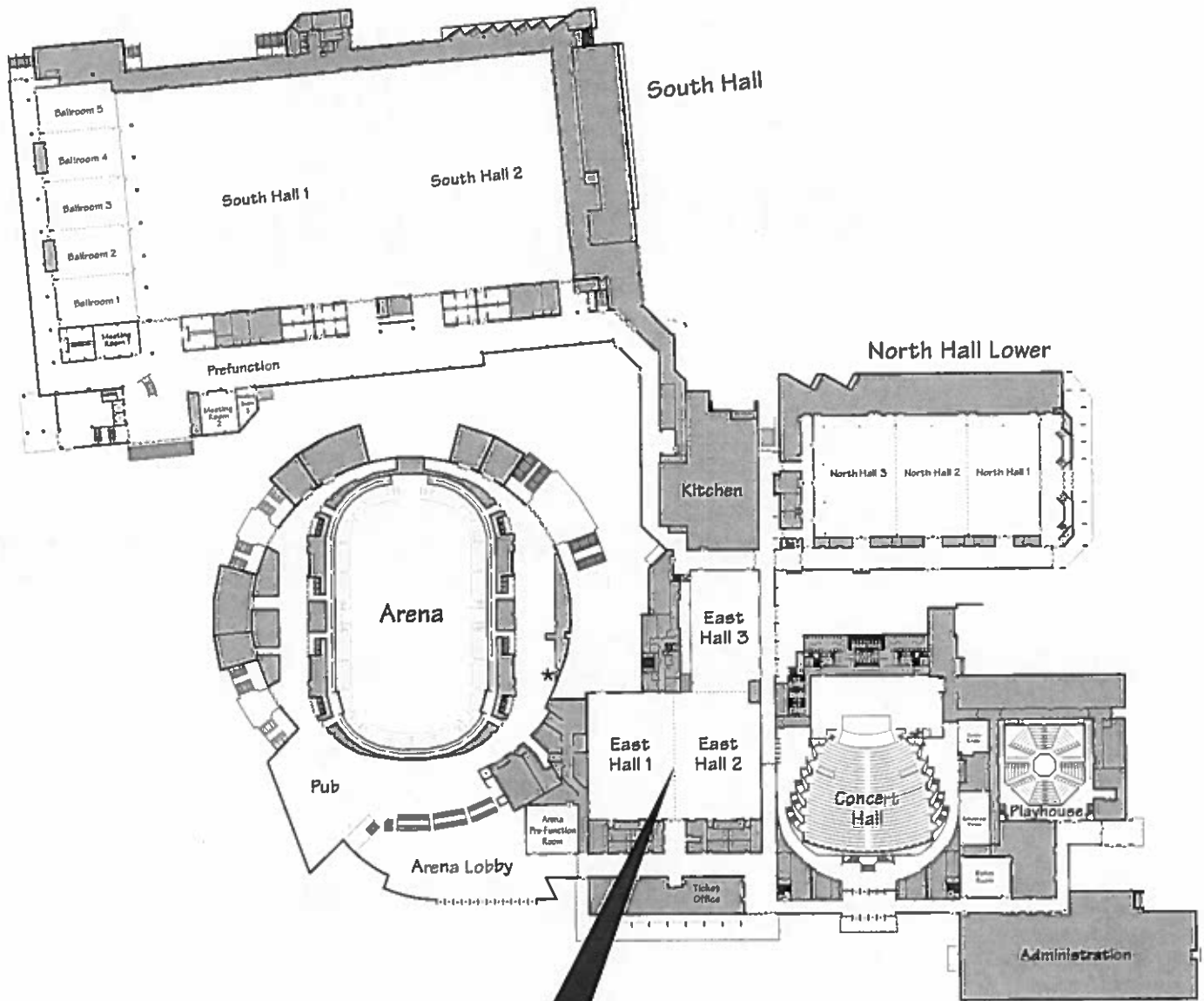
**Stefon Richard Witkowski**  
Biological Sciences

**Anthony S. Wolfe**  
Biological Sciences and Chemistry

†**Cortney Alyssa Wood**  
Computer Science

Thesis: "Kitchenham, Pflieger and Garvin's Five Perspectives of Quality Applied to Theater Ticket Managing Software"  
Advisor: Dr. Richard Coleman

## VON BRAUN CENTER (VBC) FLOOR PLAN



GRADUATES & GUESTS  
ARE INVITED TO A

# RECEPTION

IN THE VBC'S EAST HALL  
IMMEDIATELY AFTER THE CEREMONY

## **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 UAHuntsville 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, UAHuntsville's second color. It displays the university's 1950 founding date and the 1969 date when UAHuntsville 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*

*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*

<b>Hoods</b>	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.
<b>Mortarboards and Tams</b>	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.
<b>Tassels</b>	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.
<b>Commencement Marshals</b>	<p><b>Brent Wren, Ph.D., <i>University Marshal</i></b>  <b>Regina Young Hyatt, Ph.D., <i>Student Marshal</i></b>  <b>Wai Mok, Ph.D., <i>Faculty Marshal</i></b>  <b>Kader Frendi, Ph.D., <i>Assistant Marshal</i></b>  <b>Pamela O'Neal, Ph.D., <i>Mace Bearer</i></b></p>
<b>Readers</b>	<p><b>D. Brian Landrum, Ph.D.</b>  <b>Andrea Word-Allbritton, Ed.D.</b></p>



**Wind Ensemble**

Ryan Albritton  
Victoria Anderson  
Charles Box  
Kathryn Bradley  
Olivia Dulaney  
Damon Faris  
Lauren Fisher  
Dominic Frazier  
Foy Fuller  
Janessa Gilbert  
Miranda Guier  
Andrew Hendrix

Michael Hull  
Shelby Hurley  
Zachary Hurley  
Shannon Jeffreys  
Olivia Johnson  
Kevin Kelly  
Robert Lambert  
Knacey Loomer  
Ian Lowther  
Sam Lukins  
Hayden Miller  
Tyler Montgomery

Daniel Norwood  
Jesse Pate  
Alva Pope  
Angeica Reidy  
Paul Reising  
Chad Scarborough  
Stephanie Scott  
Blair Smart  
Christopher Thompson  
Andrea Tiffany  
Matthew Toelaer  
Katherine Trausch

Dillon Tuck  
Edgar Tucker  
Zachariah Tucker  
Young Westrope  
Michael Wood

Thanks to the following students for  
assisting in today's ceremony:

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Mitch Berbrier, Ph.D., *Interim College of Liberal Arts*  
David Berkowitz, Ph.D., *School of Graduate Studies*  
Sundar Christopher, Ph.D., *College of Science*  
Christine Curtis, Ph.D., *Interim Dean, College of Education*  
Regina Young Hyatt, Ph.D., *Dean of Students*  
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Shankar Mahalingam, Ph.D., *College of Engineering*  
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Thomas R. Bice, Ed.D., *State Superintendent of Education*

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