Capstone College of Nursing Winners:

First Place (Tie)
Rachel Hunnicutt, Capstone College of Nursing
Faculty Mentor: Michele Montgomery, Capstone College of Nursing
Prenatal Smoking Cessation for Professional Nursing Practice

First Place (Tie)
Elizabeth Fromhold, Capstone College of Nursing
Faculty Mentor: Becky Owings, Capstone College of Nursing
The Effect of Lighting Cues on Patients’ Reported Hunger Levels

Second Place
Paula Radcliff, Capstone College of Nursing
Faculty Mentor: Becky Owings, Capstone College of Nursing
How Clean is Your Cuff?

First Place – Small Group Presentation
Hannah Townsend & Mary Talbot Skinner, Capstone College of Nursing
Faculty Mentor: Olivia May, Capstone College of Nursing
To Aspirate or to Not Aspirate?

First Place – Large Group Presentation
Lauren Longobardo, Haley Sayers, Courtney Gage, Mary Carolyn Garcia, Kearston Wells, Caroline Bottcher, Lucas Urbi & Alex Sawicki, Capstone College of Nursing
Faculty Mentor: Johnny Tice, Capstone College of Nursing
Do You Hear What I Hear? Battling Ubiquitous Alarm Fatigue

Arts & Sciences Oral Presentation Winners:

Social Sciences

First Place (Dr. Laura Busenlehner Award)
Towanda Pettway, Criminal Justice
Faculty Mentor: Bronwen Lichtenstein, Criminal Justice
TB on the Hill: Tuberculosis Testing and the Legacy of Tuskegee in Perry County, Alabama

Second Place
Sierra Lawson, Anthropology
Faculty Mentors: Ian W. Brown (Anthropology), Theodore Trost (Religious Studies), Merinda Simmons (Religious Studies)
Floral Engravings on Gravestones: Interpreting Cultural Values in Tuscaloosa County Burial Grounds

Third Place (Tie)
Frances Kyle, Criminal Justice
Faculty Mentor: Bronwen Lichtenstein, Criminal Justice
The day that Led to Foreclosure
Third Place (Tie)
Allison Mollenkamp, English
Faculty Mentor: Amber Buck, English
Bridging Personal and Professional Identities Online Through Social Media

**Fine Arts and Humanities**

First Place (Dr. Laura Busenlehner Award)
Brianna Milner, Theatre and Dance
Faculty Mentor: Sarah Barry, Theatre and Dance
Delta S

Second Place
Jessica Hauger, History
Faculty Mentors: Lisa Lindquist-Dorr (History), Erik Peterson (History)
“The Common Lot”: The Philosophical Problem of Labor Pain in the Late Nineteenth Century

Third Place
Sarah Griswold, Religious Studies
Faculty Mentor: Michael Altman, Religious Studies
There Is a Well at Cawnpore: The Politics of Commemoration in Colonial India

Fourth Place
Carissa Schreiber, English
Faculty Mentor: Lauren Cardon, English
Collective Trauma and Community Healing in Post-war American Literature

**Natural Science and Mathematics**

First Place (Dr. Laura Busenlehner Award)
Genevieve Miller, Biological Sciences
Faculty Mentors: Ryan Earley (Biological Sciences), Kristy Marson (Biological Sciences), Joe Styga (Biological Sciences)
From water to land: jettisoning out of water in response to predator-associated cues in wild mangrove rivulus

Second Place
Shuwen Yue, Chemical and Biological Engineering
Faculty Mentor: David Dixon, Chemistry
Computational Studies of the Conversion of Biomass to Biofuels: Acid-Base Chemistry

Third Place
Abigail Paulson, Chemical & Biological Engineering
Faculty Mentor: Dave Nikles, Chemistry
Synthesis and optimization of single crystal iron oxide nanoparticles

Fourth Place
Lacey Kennedy, Biological Sciences
Faculty Mentor: Stevan Marcus, Biological Sciences
The Role of Stress Responders Pka1 and Pmk1 in Avicin G, a Potent Antitumor Compound
Honorable Mentions

Sean Miller, Chemical & Biological Engineering
Faculty Mentor: David Dixon, Chemistry
Reliable Predictions of the Bond Dissociation Energy of Mono-, Bi-, and Tri-alanine and Glycine Peptides and the Corresponding Amides

Shea Barger & Clint Hydrick, Biological Sciences
Faculty Mentor: Stephen Secor, Biological Sciences
Not-so-picky eaters; The Cost of Choosing for the Kingsnake

Daryll Spangler, Biological Sciences
Faculty Mentor: Laura Reed, Biological Sciences
Sex Ratios and Response to Dietary Restriction in Drosophila Melanogaste

Arts & Sciences Poster Presentation Winners:

Social Sciences

First Place (Dr. Laura Busenlehner Award)
Molly Cory, Psychology
Faculty Mentor: Beverly Roskos, Psychology
Technology Use and Driver Mental Resources

Second Place
Joo Young Yang, Psychology
Faculty Mentor: Giyeon Kim, Psychology
Limited English Proficiency and Psychological Distress among Elderly Asian Americans: Mental Health Disparities within Asian Population

Third Place
Samuel Ostrow, Political Science
Faculty Mentor: Stephen Borrelli, Political Science
The Relative Impact of Party, Money, and Experience in Open Seats

Fourth Place
Megan Craig, Political Science
Faculty Mentor: Nichole Bauer, Political Science
Combined Effects of Candidate Race and Class on Voter Opinion

Honorable Mentions

Bethany Herndon, Psychology
Faculty Mentor: Jennifer Cox, Psychology
The Construct and Application of Aversive Racism in the Criminal Justice System
Elizabeth Schlichting, Mathematics
Faculty Mentor: Anneliese Bolland, Institute for Social Science Research
Sexual Outcome Expectancy Trajectories among Impoverished Black Adolescent

Maury Holliman, Psychology
Faculty Mentor: Ariane Prohaska, Criminal Justice
Non-Natives as a Vulnerable Population Following a Natural Disaster

Jordana Baraad, Psychology
Faculty Mentors: Matthew Jarrett, Psychology, Dane Hilton, Psychology
Attention-Deficit/Hyperactivity Disorder (ADHD) and Mindfulness

Fine Arts and Humanities

First Place (Dr. Laura Busenlehner Award)
Lauren Deutsch, Information Systems, Statistics and Management Science
Faculty Mentor: James Mixson, History
Travels in Late Medieval Religion Case Studies from Visitation and Crusade

Second Place
Leah Nicoll, Theatre and Dance
Faculty Mentor: Stacy Alley, Theatre and Dance
Success in “The Digital Age” of Musical Theatre

Third Place
Allison Miller, Music
Faculty Mentor: Ellary Draper, Music
Effects of Musical Accents, Rhythm, and Melody on Serial Recall of Monosyllabic Digit

Fourth Place
Chandler Sawyers, Music
Faculty Mentor: Andrea Cevasco-Trotter, Music
Effects of High Versus Low Pitches of Songs on Premature Infants’ Physiological Parameters Across Time

Natural Science and Mathematics

First Place (Dr. Laura Busenlehner Award)
Alison Farrar, Mathematics
Faculty Mentor: Claudia Mewes, Physics and Astronomy
Theoretical Investigation of Damping in Exchange Bias Systems

Second Place
James Parkes, Physics & Astronomy
Faculty Mentor: Dawn Williams, Physics & Astronomy
Double Pulse Plus: An Extended Search for Tau Neutrino Double Pulse Events
Third Place
John Lundeen, Chemistry
Faculty Mentor: Elizabeth Papish, Chemistry
Synthesis of Ruthenium-Based Anticancer Prodrugs

Fourth Place
Jessica Fults, Biological Sciences
Faculty Mentors: Martha Powell, Biological Sciences and William Davis, Biological Sciences
Spatial and Seasonal Diversity of Chytrids in Two Temporary Forest Ponds

Honorable Mentions

Rachael Kress, Chemistry
Faculty Mentor: Dave Nikles, Chemistry
Building a Nano-Thermometer for Localized Magnetic Induction Heating

Zavier Mason, Biological Sciences
Faculty Mentor: Laura Reed, Biological Sciences
Effects of High Fat Diet

Siera Jann, Geological Sciences
Faculty Mentors: Yuehan Lu, Geological Sciences and Takehito Ikejiri, Geological Sciences
Fossil Reptile or Plant Remains? Mysterious Organic Matters from the Jurassic Morrison Formation of Western Colorado- Investigation Under the Microscope

College of Human Environmental Sciences Winners:

First Place (Tie)
Jordan Scorzelli, Health Science
Faculty Mentor: Jen Nickelson, Health Sciences
Beautiful Health

First Place (Tie)
Hunter Winslett, Health Science
Faculty Mentor: Jen Nickelson, Health Sciences
Life Long Fitness

Second Place (Tie)
Taylor Burns, Human Nutrition & Hospitality Management
Faculty Mentor: Amy Ellis, Human Nutrition & Hospitality Management
The Relationship between Visceral at, CRP, & Indexes of Insulin Resistance Among Obese Older Adults

Second Place (Tie)
Maranda Burns, Health Science
Faculty Mentor: Lori Turner, Health Science
National AHEC Organization HPV Immunization Project
Third Place
Natalie Smith, Human Development & Family Studies
Faculty Mentor: Casey Totenhagen, Human Development & Family Studies
Depression & Dyadic Coping within Same-Sex Relationships

Fourth Place
Brianne Cronenwett and Jennifer Schopp, Consumer Sciences
Faculty Mentor: Shinaie Choi, Consumer Sciences
Financial Planning & Health Care Decisions for People with Alzheimer’s Disease Diagnosis

College of Communication and Information Sciences Winners:

Poster Presentation Winners

First Place
Briana Bettison, Advertising and Public Relations
Faculty Mentor: Caryl Cooper, Advertising and Public Relations

Second Place
Chloe Hill, Culverhouse School of Accountancy
Faculty Mentors: Chip Brantley and Andrew Grace, Advertising and Public Relations
In Fact: The Story of a Cuban Detainee Uprising in Talladega

Third Place
Megan Zartman, Communication Studies
Faculty Mentor: Carol Mills, Communication Studies
The Effect of Significant Others on Sister Relational Closeness in College, and What Can Be Done About It

Oral Presentation Winners

First Place:
Bryneth Buckner, Communication Studies
Faculty Mentor: Meredith Bagley, Communication Studies
Exploring the Visual Rhetoric of a Non-Profit Organization

Second Place:
Ashley Robbins, Ashley Paulmeno, & Turner Waddell, Advertising and Public Relations
Faculty Mentors: Teri Henley and Gerald Waters, Advertising and Public Relations
Developing a Consumer Segmentation Strategy to Identify Snapple’s Target Audience

Third Place:
Kacey Smit, Eric Mayo, & Hunter Bethea, Communication Studies
Faculty Mentor: Darrin Griffin, Communication Studies
Faith and Resiliency

Internationally Focused Award

Chloe Hill, Culverhouse School of Accountancy
Faculty Mentors: Chip Brantley, Andrew Grace, Advertising and Public Relations
In Fact: The Story of a Cuban Detainee Uprising in Talladega
Emerging Scholars Winners 2016:

Division of Science, Mathematics & Engineering

Poster Presentations

First Place
Brenna Barber and Rachel Ostrow, Mechanical Engineering
Faculty Mentors: Keith Williams, Beth Todd, Mechanical Engineering
Instrumentation of an Orthotic Boot

Second Place (Tie)
Pierce McLawhorn, Mathematics
Faculty Mentor: Burcu Keskin, Information Systems, Statistics & Management Science
Online Optimization: Applications in Healthcare, Public Safety, & Supply Chain Management

Second Place (Tie)
Elizabeth Rowe, Chemical & Biological Engineering
Faculty Mentors: Paul Rupar, Louis Reisman, Chemistry
PEI 3D Printing

Internationally Focused Awardee

Keaton Drees, Capstone College of Nursing
Faculty Mentor: Safiya George, Capstone College of Nursing
Finding the Correlation Between Drug Use & Sexual Risk Behavior in the U.S. Virgin Islands

Division of Fine Arts

Poster Presentations

First Place
Liza Rogers and Peirson Rogers, Human Environmental Sciences
Faculty Mentor: Marcy Koontz, Human Environmental Sciences
(re)Fashioning Vintage: Visual Branding for a New Local Small Business with a Smart Phone Camera & Social Media Platforms

Second Place
William McCrary, History
Faculty Mentor: George Rable, History
Civil War Values: What the War is Doing to the Country

Third Place
Sarai Russell, English
Faculty Mentor: Barbara Brickman, New College
Greased Lightning
Oral Presentations

First Place
Molly Buffington, History
Faculty Mentor: Charles Clark
American Views of the North Russian Expedition 1918-1928

Second Place
Rebecca Murdoch, Telecommunication & Film
Faculty Mentor: Kristen Warner, Telecommunication & Film
The Matriarch-Tree: Motherhood and Intergenerational Feminism in Gilmore Girls and Jane the Virgin

Division of Social Sciences, Business & Education

Poster Presentations

First Place
Kynnedi Fye, Criminal Justice
Faculty Mentor: Darrin Griffin, Communication Studies
Cyber Terrorism & Educational Institutions: Examining Resiliency Against Threats

Second Place
Kathryn Fritz, Chemistry
Faculty Mentor: JoAnn Oliver, Capstone College of Nursing
Lymphedema in Breast Cancer Patients: Identifying the Gap from the Literature

Third Place
Elizabeth Di Valerio, Biological Sciences
Faculty Mentor: Safiya George, Capstone College of Nursing
Exploring HIV Stigma in the U.S. Virgin Islands

Oral Presentations

First Place
Manoj Sunny, Economics, Finance & Legal Studies
Faculty Mentors: Paul Drnevich, Management & Marketing; Collin Gilstrap, Economics, Finance & Legal Studies
Premiums Comparison: Same Industry vs. Cross Industry Analysis

Second Place
Lauren Crawford, Economics, Finance & Legal Studies
Faculty Mentor: Robert Reed, Economics, Finance & Legal Studies
The Causes and Consequences of Bank Failures in Canada

Third Place
Caroline Prichard, School of Social Work
Faculty Mentor: Brenda Smith, School of Social Work
How realistic are “realistic job previews” in child welfare? Implications for employee retention and turnover
Internationally Focused Awardees

First Place
Elizabeth Di Valerio, Biological Sciences
Faculty Mentor: Safiya George, Capstone College of Nursing
Exploring HIV Stigma in the U.S. Virgin Islands

Second Place
Lauren Crawford, Economics, Finance & Legal Studies
Faculty Mentor: Robert Reed, Economics, Finance & Legal Studies
The Causes and Consequences of Bank Failures in Canada

Third Place
Isabelle Beauregard, Gender & Race Studies
Faculty Mentor: Dana Patton, Political Science
Paid Parental Leave Policies & Their Effects on Infant Mortality Rates

College of Engineering Winners:

First Place
Katelyn Isbell and Gatlin LaRochelle, Electrical & Computer Engineering
Faculty Mentor: Yang-Ki Hong, Electrical & Computer Engineering
Reconfigurable Ferrite Antenna for Mobile Devices

Second Place
Rachel Gentry, Electrical & Computer Engineering
Faculty Mentor: Jaber Abu Qahouq, Electrical & Computer Engineering
Zhiyong Xia, Electrical & Computer Engineering
State-Of-Health Estimation of Batteries using Offline and Online AC Impedance Measurements

Third Place
Paaras Agrawal, Chemical & Biological Engineering
Faculty Mentor: Jason Bara, Chemical & Biological Engineering
Development of Structured Distillation Packing through Additive Manufacturing

School of Social Work Winners:

First Place
Elie Allen, Molly Moran, Bailey Reese, Shelby Smithson and Rachel Thompson, School of Social Work
Faculty Mentor: Kevin Corcoran, School of Social Work
“Living Memories” An App for Family Matters

Second Place
Miranda Casey, Madison Darling, Molly Fitch, Rachael Hartley, Cho Rong Won, School of Social Work
Faculty Mentor: Kevin Corcoran, School of Social Work
HealthU: An App for Collegiate Health Promotion

Third Place
Elie Allen, Molly Moran, Bailey Reese, Shelby Smithson, Rachel Thompson, Miranda Casey, Madison Darling, Molly Finch, Rachael Hartley, Cho Rong Won, School of Social Work
Faculty Mentor: Kevin Corcoran, School of Social Work
USDA Nutrition Guidelines: Do They Make A Difference
College of Education Winners:

Poster Presentations

First Place
Allyson Pitzel, Special Education & Multiple Abilities
Faculty Mentor: Carol Donovan, Special Education & Multiple Abilities
Helping to Create the Ideal Kindergarten Classroom by Gaining Insight into Early Childhood Personality Types

Second Place
Emily Lewis, Curriculum and Instruction
Faculty Mentor: Liza Wilson, Curriculum and Instruction
Theatrical Techniques in the ELA Classroom

Oral Presentations

First Place
Emily Pickle, Psychology
Faculty Mentor: Liza Wilson, Curriculum and Instruction
Experiences of Perceived Discrimination among Arab Students and Arab Non-Students

Second Place
Anna Forrister, Anthropology
Faculty Mentor: Philo Hutchison, Educational Leadership, Policy and Technology Studies
Resegregation in Macon County Public Schools

Culverhouse College of Commerce Winners:

Poster Presentations

First Place
Logan Tarbox, Information Systems, Statistics and Management Science
Faculty Mentor: Phillip Burns, Student Affairs
Improving Technical Literacy in Non-Profits

Second Place
Cameron Harvey, Patrick Mitchell, Information Systems, Statistics and Management Science
Faculty Mentor: Burcu Keskin, Information Systems, Statistics and Management Science
Patrol Routing with Alternative Fuel Vehicles

Third Place
John Deeble, Economics, Finance and Legal Studies
Faculty Mentor: Robert Brooks, Economics, Finance and Legal Studies
Trial by Fire: A Performance Comparison of Several Option Valuation Models Using Historical Asset Price Data

Oral Presentations

First Place
Kanitta Kulprathipanija, Economics, Finance and Legal Studies
Faculty Mentor: Robert Reed, Economics, Finance and Legal Studies
The Impact of Banking Concentration in the United States
Internationally Focused Awardees

First Place
Derek Carter, Economics, Finance and Legal Studies
Faculty Mentor: Stephanie Brewer, Student Affairs
Economic Freedom and Corruption

Second Place
Allexa Gardner, Economics, Finance and Legal Studies
Faculty Mentor: Paan Jindapon, Economics, Finance and Legal Studies
Analysis of the Cost-Effectiveness of Cancer Spending on Survival Gains

Third Place
Ashley Brown, Culverhouse School of Accountancy
Faculty Mentor: Lisa McKinney, Culverhouse School of Accountancy
Business Education to Assist Economic Restoration in Haiti