Year	Student Name	Department	Faculty Mentor	Department	Title
2013	Elaine Flynn	Geography and Geology	Cathleen Webb	Chemistry	Carbon and Oxygen Isotope Study on Carbonates from Watling's Blue Hole and Blue Hole Five, San Salvador, Bahamas
2013	Victoria Gilkison	Biology	Jarrett Johnson, Albert Meier	Biology	Comparisons of Genetic Diversity Among Disjunct Populations of Mafnolia Tripetala
2013	Jordan Olberding	Chemistry	Ajay Srivastava	Biology	The Effects of NC1 on Tumor Growth and Metastasis
2013	Miky Wright	Mathematics	David Neal	Mathematics	Four-Sided Boundary Problem for Two-Dimensional Random Walks
2013	Samantha Hawtrey	Biology	Rodney King	Biology	Two Genetic Effects at the IRF5/TNPO3 Locus are Independently Associated with the Development of Specific Lupus Symptoms.
2013	Jonathan Hendrie	Chemistry	Kevin Williams	Chemistry	Characterization and Reaction of an Analog Anticancer Drug Oxaliplatin
2013	Morgan Murrell	Biology	Jarrett Johnson, Ajay Srivastava	Biology	Patterns of Gene Flow in a Western Toad (Bufo boreas) Metapopulation
2014	Chaz Arnold	Biology	Sonia Lenk	Modern Languages	Hispanic Health Initiative: Creating a Sustainable Health Fair for an Immigrant Community.
2014	Hillary Asberry	Chemistry	Darwin Dahl	Chemistry	Mechanochemistry: Pyrene Derivatives in the Detection of Select Metals
2014	Kimberly Baugh	Chemistry	Rodney King	Biology	Characterization of a Mutant Bacteriophage that Overcomes an Antitermination Defect E. coli RNA Polymerase
2014	Rachel Beyke	Biology	Michael Stokes	Biology	Spatially Explicit Habitat Modeling of Black Rhino (Diceros bicornis) Reintroduction
2014	Charles Coomer	Biology	Rodney King	Biology	Identification and Characterization of Microbial Contaminants and Associated Bacterial Viruses in Bioethanol Production Facilities to Suggest a Potential Alternative to Antibiotic Treatment
2014	Addie Dodson	Biology	Nancy Rice	Biology	Correlation of Environmental Risks with the Prevalence of Essential Hypertension and Chronic Cardiac Disease in Kasigau, Kenya.
2014	Adam Edge	Biology	Bruce Schulte	Biology	Examining Human Perception of Elephants and Large Trees of Insights into Conservation of an African Savanna Ecosystem
2014	Clarice Esch	Agriculture	Martin Stone	Agriculture	A Native Cyanobacteria, Nostoc, as a Biofertilizer
2014	Loren Gross	Agriculture	Thomas Kingery	Agriculture	Post-secondary Student's Perception of College Readiness Skills Developed During Secondary Education Carrers
2014	Morgan Gruner	Biology	Kevin Williams	Chemistry	The Reaction of Platinum Triamine Complex with Different DNA and Protein Complexes
2014	Stephanie Hagan	Chemistry	Cathleen Webb	Chemistry	Mercury Bioaccumulation in Bat Populations in Mammoth Cave National Park: Modern, Historical, and Ancient Samples
2014	Jessica Hall	Biology	Matthew Nee	Chemistry	Analysis of NO and Noy in the Low Atmosphere at Mammoth Cave Park
2014	Allison Linn	SEAS	Stacy Wilson	SEAS	SCADA Test Bed - Water Tank System
2014	William Lyle	Chemistry	William Mkanta	Public Health	Herbal and Holistic Medicine in Latin America
2014	Sarah Schrader	Biology	Rodney King	Biology	The isolation and Characterization of TiroTheta9, a Novel A4 Mycobacterium Phage
2014	Jonathan Serpico	Physics and Astronomy	Ivan Novikov	Physics and Astronomy	The Analysis of Experimental Error in Paroty Violation Experiments with Polarized Neutrons
2014	Darren Tinker	SEAS	Julie Ellis	SEAS	Adding Vision to a Quadrotor: Adesign-Build-Test Adventure
2014	Leah Catherine Turner	Agriculture	Petra Collyer	Agriculture	Assesment of Horses for Therapeutic Riding Purposes: Comparison of Physiological and Behavioral Prameters
2014	Justin Wellum	Biology	Sam McFarland	Public Health	Critical Analysis of the Kenyan Healthcare System and Models for Improvement
2014	Samuel White	Chemistry	Matthew Nee	Chemistry	Laser Intensity and Ionic Strength Dependence of the Aqeous Nitrate and Carbonate Ion Raman Spectra
2014	Spencer Wright	Biology	Nancy Rice	Biology	Allelic Variability in the CYP11B2 C344T Single Nucleotide Polymorphism from a Cohort of East Africans
2014	Christopher Fields	Biology	Ajay Srivastava	Biology	Functional and Expression Analysis of a Novel Basement Membrane Degrader in Drosophila Melanogaster
2014	Ryan Vincent	Biology	Jarrett Johnson	Biology	Landscape Genetics of the Endangered California Tiger Salamander (Ambystoma californiense) in the Los Vaqueros Watershed
2014	Kawang Li	Biology	Cangliang Shen	Biology	Quality Change and Thermal Inactivation of Escherichia coli O157:H7 in Non-Intact Beef and Veal Patties by Double Pan-Broiling
2014	Dharmesh Patel	Biology	Hemali Rathnayake	Chemistry	Poly-3-hexylthiophene Nanorods as a Donor for Organic Photovoltaics
2014	Celia Whelan	Chemistry	Kevin Williams	Chemistry	Reaction Rates of Amino Acids with Deravatives of the Anticancer Drug Cisplatin
2015	Brooke Barber	Agriculture	Michael Stokes	Biology	Analysis of Seed Preference Trials of Red Veld Rats and Smith's Bush Squirrels and Trap Effectiveness in the Lowveld of South Africa
2015	Carla Beu	Agriculture	Fred DeGraves	Agriculture	Horses' Responses to Receiving Masterson Method Integrated Equine Performanve Bodywork Treatments
2015	Katelyn cox	Biology	Cheryl Davis	Biology	Trypanosoma cruzi Prevalence in the Domestic Canine Population in Central and Eastern Kentucky.
2015	Brandon Farmer	Biology	Ken Crawford	Medical Sciences	Endothelin-1 Promotes Bovine Corneal Endothelial Cell Proliferation via a MAPK Pathway: Implications for Keratopathy and Deturgescence
2015	John Ferguson	Chemistry	Hemali Rathnayake	Chemistry	Synthesis and Application for PDIB Nanostructures in Solar Cell
2015	Jennifer Gaiko	SEAS	Shahnaz Aly	SEAS	Architectural Bridge Consequence
2015	Victoria Hampton	Geography and Geology	Rezaul Mahmood	Geography and Geology	Aerosol Size Distribution Measurements during the 2014 NASA SARP Campaign in the Central Valley and Sierra Nevada Mountains in Cliforia
2015	Jacob Hughes	Geography and Geology	Andrew Wulff	Geography and Geology	Geothermobarometry and Petrographic Interpretations of Christensen Ranch Meta-Banded Iron Formation from the Ruby Range, Montant
2015	Kawai Kwong	Chemistry	Rui Zhang	Chemistry	Synthetic and Mechanistic Studies of Catalytic Oxidations by Manganese(III) Porphyrin and Iodobenzene Diacetate
2015	kyle Mann	Biology	Kevin Williams	Chemistry	The Interaction of Glutathione with Platinum, and the role of pH in Altering Ligand Formation between Platinum and N-Acetylcysteine
2015	Grace McCullough	Psychological Sciences	Amber Schroeder	Psychological Sciences	The Influence of Emotional Intelligence on Leadership Emergence and Leadership Styles

2015	Micaela Montgomery	Biology	Philip Lienesch	Biology	Dietary Overlap of Native White Bass and Introduced Yellow Bass in Barren River
2015	Hannah Pennington	Mathematics	Richard Schugart	Mathematics	Applications of Latin Hypercube Sampling Scheme and Partial Rank Correlation Coefficient Analysis to Mathematical Models on Wound Healing
2015	Mitchell Schooler	Biology	Michael Collyer	Biology	Non-Adaptive Phentypic Plasticity: Morphology, but not Swim speed, of Spotted Salamander Larvae is Affected by "Terrestrial" and "Aquatic" Herbicides
2015	Autumn Smith	Biology	Scott Grubbs	Biology| Food Science| Speleology	Corbicula Flumiea Food Web Ecology: An Experimental Transplant Approach in a Karst Riverine System.
2015	Kaitlyn Snyder	Psychological Sciences	Elizabeth Lemerise	Psychological Sciences	Is Younger Really Better? Age Differences in Emotional Promotion.
2015	Cynthia Tope	Chemistry	Kevin Williams	Chemistry	Relative Reaction Rates of the Amino Acids Cysteine, Methionine, and Histidine with Analogs of the Anti-Cancer Drug Cisplatin
2015	Whitney Walker	Biology	Michael Stokes	Biology	Seed Preference Trials of Namaqua Roch Mice and Rodent Density in the Lowveld Savanna of South Africa
2015	Brittany Groh	Psychological Sciences	Stephen O'Connor	Psychological Sciences	Impact of Working Alliance on Clinical Outcomes in Veterans Enrolled in Suicide Specific Group Therapy
2015	Mandi Martin	Psychological Sciences	Amy Brausch	Psychology	Anxiety, Uncertainty, Distress Tolerance, and Eating Disorder Symptoms as Related to Non- Suicidal Self-Injury in Yound Adults
2016	Peter Agaba	Mathematics	Richard Schugart	Mathematics	Incorporating Exponential Functions into an Optimal Control Model for a Chronic Wound
2016	Lauren Bailes	Psychological Sciences	Diane Lickenbrock	Psychological Sciences	Parental Sensitivity Predicted by Parent Personality and Infant Temperament
2016	Kathleen Bell	Mathematics	Tom Richmond	Mathematics	A classification of the Intersections Between Regions and their Topical Transitions
2016	Susan Breidenich	Psychological Sciences	Stephen O'Connor	Psychological Sciences	Cultural Diversity and the Impact of Acculturation and Personal Experience on Perceptions of Suicide
2016	Brittany Broder	Physics and Astronomy	David Dimeo	Modern Languages	The Rise of Nuclear Energy in Arab States: Future Impacts
2016	Conner Brooks	SEAS	Michael Galloway	SEAS	Toward Autonomous Multi-Rotor Indoor Aerial Vehicles
2016	Audrey Brown	Biology	Noah Ashley	Biology	Maternal Sleep Loss During Fetal Development Alters Offspring Endocrine Responses to Stress Throughout Life
2016	Chandler Clark	SEAS	Robert Choate	SEAS	Optimizing an Organizational Program for Halton Company
2016	Mallory Clouse	Biology	Michael Stokes	Biology	Effects of an Electronic, Motion-Activated Scarecrow of Foraging Time in Nocturnal Vertebrate Crop Pets in South Africa
2016	Bradley Cockrel	SEAS	Christopher Bryne	SEAS	Sound Data Collection and Transmission Noise Reduction
2016	Emily Cox	Psychological Sciences	Amy Brausch	Psychological Sciences	Non-Suicidal Self-Injury, Suicidal Behaviors, And Body Investment in Heterosexual and Sexual Minority Young Adults
2016	Jamie Doctrow	Public Health	Anthony Paquin	Public Health	Stigmatization of HIV/AIDS: A Cross-Cultural Analysis
2016	Morgan Duff	Chemistry	Brian St. John	Chemistry	A Study of Chemistry: For Wind Ensemble
2016	Brooke Duke	Chemistry	Kevin Williams	Chemistry	Toxicity of Platinum Containing Compounds with Variable Leaving Ligands on Cancer Cells
2016	Courtney Hamilton	Biology	Rodney King	Biology	Contribution of a putative UP Element DNA Sequence to the Activity of a Newly Identified Phage Promoter
2016	Alexandra Hezik	Agriculture	Martin Stone	Agriculture	Transforming the Office of Sustainability's Front Yard into an Edible Landscape
2016	Hayden Hickey	Psychological Sciences	Amber Schroeder	Psychological Sciences	Organizational Justice and Social Media in the Employee Selection Process
2016	Courtney Inabnitt	Mathematics	Lisa Duffin	Psychology	Testing the Effects of Professional Development on Elementary Pre-Service Teachers' Beliefs about Mathematics Inquiry Instruction
2016	William Johnson	SEAS	Christopher Bryne	SEAS	Designing and Building an Automatic Chamfer Grinder
2016	Hannak Keith	Mathematics	Lisa Duffin	Psychology	The Effects of Community-Building on Acievment, Motivation, and Engagement in Undergraduate Mathematics
2016	Megan Laffoon	Biology	Albert Meier, Chris Groves	Biology| Geography and Geology	A Quantitative Analysis of Hugelkultur and its Potential Application on Karst Rocky Desertified Areas in China
2016	Janis Lemaster	Biology	Albert Meier	Biology	The Effects of Prescribed Fires on Vernal Herbs
2016	Brandon Mudd	Biology	Jill Maples	Biology	Exercise to the Rescue: An Analysis of Altered Metabolic Gene Regulation Post-exercise in Lean and Obese Individuals
2016	Wesley Patterson	SEAS	Farhad Ashrafzadeh	SEAS	An Engineering Approach to Industrial Research and Development of Pillows
2016	Mckenzie Perdew	Psychology	Jenni Redifer	Psychology	To Cheat of Not To Cheat: Impacts of Learning Disabilitiy Status and Impulsivity on Cheating
2016	Natalie Perkins	Psychological Sciences	Amy Brausch	Psychological Sciences	Gender Role Identification, Sexual Orientation, and Disorder Eating in Young Adults
2016	Matthew Riggle	Geography and Geology	Jun Yan	Geography and Geology	A Spatial Analysis of Settlement, Accessibility, and Quality of Life of the Burmese Refugee Population in Bowling Green, Kentucky
2016	Molly Shircliff	SEAS	Farhad Ashrafzadeh	SEAS	Performance Prediction of Drying Process in Residential Clothes Dryer Using Multiphysics Modeling and Simulation
2016	Mary Spraggs	Physics and Astronomy	Steven Gibson	Physics and Astronomy	A Multi-wavelength Analysis of Cold Evolving Interstellar Clouds
2016	Shelby wade	Biology	Michael Stokes	Biology	The Effects of Drought on Diets of Apex Predators in the South African Lowveld Inferred by Fecal Hair Analysis
2016	Franklyn Wallace	Chemistry	Matthew Nee	Chemistry	Expanding the Applicability of Raman Spectroscopy for Monitoring Photocatalytic Degradation
2017	Amber Bishop	Biology	Noah Ashley	Biology	Finding a Link Between Circadian Rhythms and Immune System of Captive Zebra Finches(Taeniopygia Guttata)
2017	Isaac Bowers	Geography and Geology	Joshua Durkee	Geography and Geology	Storm Chasing Across the Plains: An Experience Portfolio
2017	Alec Brown	Mathematics	Melanie Autin	Mathematics | Economics	Investigating the Student Enrollment Decision at WKU
2017	Courtney Cruse	Chemistry	Eric Conte	Chemistry	Detection of Tetracyclines in an Anaerobic Waste Digester Using Solid Phase Extraction and High-Performance Liquid Chromatography Mass Spectrometry
2017	Hosannah Evie	Chemistry	Blairanne Williams	Chemistry	Cytotoxicity of Platinum Anticancer Drugs in Mammalian Cell Lines of Metastatic Cancer
2017	Charles Gregory	Biology	Claire Rinehart	Biology	An Approach to Identify Mycobacteriophage Diversity Prior to DNA Sequencing
2017	Denis Hodzic	Biology	Michael Smith	Biology	Investigating the Synergistic Effect of Cisplatin and Two Curcuminoid Compounds on Cancer

2017	Jessica Johnson	Biology	Jarrett Johnson	Biology	Growth and Survival of Salamanders Exposed to Different Formulations of Glyphosate-Based Herbicide
2017	Nathan Lasley	SEAS	Robert Choate	SEAS	Comparing Building Modeling Software to the Energy Record of a Preexisting Structure
2017	Catherine Luna	Psychological Sciences	Sharon Mutter	Psychological Sciences	Age-Related Differences in Context-Specificity Benefits Ambiguous Predictive Learning
2017	Mandy Matsumoto	Psychological Sciences	Reagan Brown	Psychological Sciences	An investigation of the Accuracy of Parallel Analysis for Determining the Number of Factors in a Factor Analysis
2017	Jared Prince	Computer Science	Uta Ziegler	Computer Science	Game Decific Approaches to Monte Carlo Tree Search for Dots and Boxes
2017	Meghan Ryckeley	Biology	Bruce Schulte	Biology	Evaluating the Social Behavior and Activity Patterns of Clouded Leopards(Neofelis Nebulosa) at the Nashville Zoo: Research and Literature Review
2017	Lindsey Shain	Psychological Sciences	Farley Norman	Psychology	Solving the Aperture Problem: Perception of Coherent Motion
2017	Stefan Stryker	Physics and Astronomy	Richard Schugart	Mathematics	Numerically Solving a System of PDEs Modeling Chronic Wounds Treated with Oxygen Therapy
2017	Charles Towey	Biology	Shivendra Sahi	Biology	Effects Assessment of TiO2 Nanoparticles Exposure on Medicago by Monitoring Morphophysiology
2017	Jessica Vincent	Biology	Jarrett Johnson	Biology	Analysis of Population Structure in a California Newt(Taricha Torosa) Metapopulation
2017	William White	SEAS	Christopher Bryne	Engineering	A Wood-Powered Lawn Moxer: Separating the Rules of Thumb from Engineering Design.
2017	Emily Hamilton	Biology	Michael Smith	Biology	Substrate-Borne Communication in Chameleons: Do Vibrations Induce Behavioral Changes?
2017	Cayla Baughn	Geography and Geology	Chris Groves	Geography and Geology	Highway Construction or Stream Destruction: A Water Quality Analysis in the Black Warrior Basin, Walker County, Alabama
2017	Rachel French	Mathematics	Richard Schugart	Mathematics	Using Mixed Effects Modeling to Quantify Difference Between Patient Groups with Diabetic Ulcers
2018	Sarah Angelle	Education	Lisa Duffin	Psychology|Education	Project-based and Problem-based Instruction: A Literature Review
2018	Haley Austin	Biology	Jarrett Johnson	Biology| Mathematics	Landscape Genetics of Ambystoma opacum In Mammoth Cave National Park
2018	Dana Biechele-Speziale	Modern Languages	Ke Peng	Modern Languages	Chinese Environmental Protection Policies and Implementation
2018	Jacob Brumley	Biology	Philip Lienesch	Biology	Use of Dead Mussel shells by Madtom Catfish in the Green River
2018	Ava Fergerson	Psychological Sciences	Amy Brausch	Psychological Sciences	Sexual Victimization, Trauma, & Resilience to Disordered Eating
2018	Jason Fox	Geography and Geology	Leslie North	Georaphy and Geoogy| Music	The Voice of Iceland: Communication of Climate Science through Choral Music
2018	Carter Jackson	SEAS	Shahnaz Aly	SEAS| Mathematics	Adaptive Reuse: Breathing Life into America's Railways
2018	Sarah Linder	Art	Guy Jordan	Art	Perspectives of Italian Fresco: Creation and Conservation
2018	Jacob Menix	Mathematics	Richard Schugart	Mathematics	Using Computational Bayesian Statistics to Analyze Parameters in a Different Equation Model
2018	Matthew Millay	Biology	Michael Smith	Biology	Investigating the Synergistic Effects of Two Curcuminoids and Cisplatin on Cancer Cell Reactive Oxygen Species
2018	Logan Mitchell	Geography and Geology	Rezaul Mahmood	Geography and Geology	An Analysis of Urban Heat Islands in Kentucky
2018	Blaine Patty	Biology	Michael Smith	Biology	Investigating the Synergistic Effects of Two Curcuminoids and Cisplatin on Cancer Cell Migration
2018	Millicent Ronkainen	Biology	Rodney King	Biology	Restoration of Phage Growth on a Non-permissive Host by Bypassing Transcription Termination Signals
2018	Morgan Taylor	Physics and Astronomy	Keith Andrew	Physics and Astronomy	Development of a Statistical Threat Level Detection Indicator Assrssment for Deception Tactics
2018	Jessica Vaughan	Biology	Simran Banga	Biology	Antibiotic Resistance of Bacteria Isolated from Soils
2018	Kaitlyn Weyman	Psychological Sciences	Matthew Shake| Jenni Redifer| Tom Richmond	Psychological Sciences| Mathematics	Extensive Experience with Mutiple Languages May Not Buffer Age-Related Declines in Executive Function
2018	Austin Young	SEAS	Shahnaz Aly	SEAS	The Fine Arts in Architecture: Creation of the Wku College of Fine Arts
2018	Ashley Gilliam	Psychological Sciences	Ashley Stinnett	Psychological Sciences	White-Identifying Populations' Perceptions of Muslims in the United Kingdom and United States
2018	Lauren Pedersen	Biology	Farley Norman	Biology	Natural and Artificial Object Recognition: The Superiority of Natural Shape Features