

First_Name	Last_Name	Institution	Student?	Session/Location/Time	Category	Title	Coauthor
Brett	Baker	Southern Arkansas University	Undergraduate	III DW11 0930	Computer Science	Employing Ensemble Learning for the Categorization of Android Malware Types	Rami Alroobi (Southern Arkansas University)
Khalil	Buckmire	University of Arkansas	Undergraduate	I DW8 1330	Geosciences	Geothermal Energy Use and Potential for the Caribbean Nation of Grenada	Christopher L. Liner
Ben	Cash	University of Central Arkansas	No	II DW10 1530	Reptile Physiology	Response to rapid habitat perturbation in the slider turtle (<i>Trachemys scripta</i>): Behavioral and hormonal effects.	
Rajib	Choudhury	Arkansas Tech University	No	I DW11 1415	Chemistry	Exploring the potential of phenol derivatives: Charge transfer fluorophores and detection of protein in solution	Siddhi Patel (Arkansas Tech University); Kallie Mendenhall (Arkansas Tech University)
Ashley	Cotnam	University of Central Arkansas	Undergraduate	I DW11 1300	Physics	Laser Trapping of Polystyrene Beads Using Optical Tweezers	
Michael	Cruz	Harding University	Undergraduate	I DW8 1300	Geosciences	Evaluation of a Micro Spectrometer for Satellite Missions	E. W. Wilson, Jr. (Harding University); Y. X. Chan, PI (University of Arkansas Little Rock); Adam Po-Hao Huang (University of Arkansas Fayetteville)
Taylor	Dague	University of Central Arkansas	Graduate	I DW13 1300	Mathematics	The Effects of Selection History on Perceptual and Semantic Interactions in Visual Search	Caroline Dacus (University of Central Arkansas); Ken Sobel (University of Central Arkansas); Amrita Puri (University of Central Arkansas)
Alaina	Edwards	University of Arkansas - Fayetteville	Undergraduate	I DW13 1330	Mathematics, Computer Science, Physics	Performance Optimization of the CFD code for flow simulations	John McGarigal, Tulin Kaman (University of Arkansas)
Karen	Fawley	University of the Ozarks	No	II DW10 1600	Biology, general	Phylogeny and Characterization of <i>Paraeustigmatos columelliferum</i> , an Arkansas alga that represents a new lineage of the Eustigmatales (Eustigmatophyceae)	Yvonne Nemcova (Charles University, Prague); Marvin Fawley (University of the Ozarks).
Andrew	Feltmann	University of Central Arkansas	Graduate	II DW13 1600	Biology, general	EFFECT OF SELECTION AND GENETIC DRIFT ON PHENOTYPIC DIVERSIFICATION IN THE EASTERN COLLARED LIZARD.	Matthew Gifford (University of Central Arkansas); Emily Field (University of Central Arkansas)
Frank	Hahn, Ph.D.	Hampton University	No	II DW8 1500	Chemistry	Comparative Lipidomics of Phospholipids in Ground Beef Extracts by GC-MS and MALDI-TOF MS	
Eliza	Hanson	John Brown University	Undergraduate	I DW11 1330	Chemistry	Implicit and Explicit Solvation Studies of Small Molecules and Ions in Water	Dr. Jill Ellenbarger (John Brown University)
Jonathan	Hardage	Henderson State University	No	III DW10 0945	Biology, general	New Angiosperm Records from Arkansas	Keenan Serviss; Brook Olsen (Henderson State University); Brett Serviss (Henderson State University); and James Peck
MdAriful	Hasan	Arkansas State University	Graduate	II DW11 1615	Engineering	Corrosion Risks of Metal Culvert Pipes in Northeast Arkansas	Zahid Hossain (Arkansas State University)
Mohammad Nazmul	Hassan	Arkansas State University	Graduate	II DW11 1545	Engineering	Analysis of Asphalt Binders From Chemical Prospective	Zahid Hossain (Arkansas State University)
Courtney	Hatch	Hendrix College	No	I DW8 1315	Geosciences	Water adsorption on atmospheric clay minerals: Experimental and theoretical studies of indirect effects on climate	Paul R. Tumminello; Megan A. Cassingham; Annie L. Greenaway; Kenneth J. Harris; Matthew Christie; Rebecca Parham; and Karen Morris (Hendrix College)
Lionel	Hewavitharana	Southern Arkansas University	No	III DW13 0900	Engineering	Experimental Investigation of Counter-Flow Heat Exchangers Exposed to Ambient Heat Leaks	Kenneth Escudero (Southern Arkansas University)
Newton	Hilliard	Arkansas Tech University	No	II DW8 1515	Biochemistry/Molecular Biology	Proteomics of carbon fixation in <i>Halothiobacillus neapolitanus</i>	
Courtney	Holloway	University of Central Arkansas	Undergraduate	II DW8 1545	Cell biology	Role of the DJ-1 Protein in Mitochondrial Dysfunction and Parkinson's Disease	Kari Naylor, Ph.D. (University of Central Arkansas)
Anthony	Holt	UACCM	No	II DW10 1615	History and Conservation Biology	Blackroll Creek Runs North: A family farm history and its changes from the 1800s to the present	
Michael	Howell	University of Arkansas at Little Rock	Graduate	III DW13 0930	Aeronautics	Moore's law and space exploration: new insights and next steps	Michael Howell (University of Arkansas at Little Rock); Venkat Kodali(CARTI); Richard Segall(Arkansas State University); Hyacinthe Aboudja(Oklahoma City University); Daniel Berleant(University of Arkansas at Little Rock)
Jacob	Idec	Hendrix College	Undergraduate	I DW10 1415	Biology, general	Explaining the Diversity and Evolution of Color in Ants Using the AntWeb Image Database	Brian Fisher (California Academy of Sciences)
Kazi	Islam	Arkansas State University	Graduate	II DW11 1530	Engineering	Evaluation of Rice Husk Ash (RHA) as an Asphalt Modifier	Zahid Hossain (Arkansas State University)
Drake	Jackson	Harding University	Undergraduate	I DW11 1315	Chemistry	A Compact Raman Spectrometer Using Commercial Off the Shelf (COTS) Components	Brandun Barnett (Harding University); Edmond W. Wilson, Jr. (Harding University)
Russell	Jeffery	UCA	Undergraduate	I DW8 1345	Engineering	Pointing Isn't Rude: A Proof-of-Concept HAB Stabilizer	
Jamie	Johnson	Hendrix College	Undergraduate	II DW13 1515	Biology, general	Wild game consumption and greenhouse gas emission savings in the U.S.	Nathan Taylor; Benjamin Zamzow; Matthew Moran

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Ragupathy	Kannan	University of Arkansas--Fort Smith	No	III DW8 0900	Kim Smith Memorial Session	History and current status of the Inca Dove (Columbina inca) in Arkansas	
Chris	Kellner	Arkansas Tech University	No	III DW8 0915	Kim Smith Memorial Session	Thermal ecology of prairie lizards in the Arkansas River Valley	
Donghoon	Kim	Arkansas State University	No	III DW11 0845	Computer Science	How can you become a software engineer in prestigious companies?	
Britny	Kirkpatrick	Harding University	Undergraduate	II DW8 1615	Medicinal Chemistry	Melanin Concentrating Hormone Receptor 1 (MCH1R) Antagonists for Treating Addiction	Jim Tarrant, Jacob Hatvany, Thomas Pencarinha
Clayton	Liddell	Arkansas State University	Undergraduate	III DW11 0830	Computer Science	Analyzing the adoption rate of Local Variable Type Inference in open source Java 10 projects	Donghoon Kim (Arkansas State University Mentor)
Zezhang	Lin	UALR	Undergraduate	III DW11 0900	Computer Science	Automatic Customization of Web Pages to Enhance User Experience	Dr. Chia-Chu Chiang(UALR)
Natalie	Lowry	John Brown University	Undergraduate	I DW11 1400	Chemistry	Investigation Anion Interactions with Tripodal Urea-Based Anion Transporters	
Blake	Ludwig	Arkansas Tech University	Undergraduate	I DW11 1345	Chemistry	Bond Valence / Bond Length Correlations for Phosphorus-Oxygen and Uranium-Oxygen Bonds	Kallie Mendenhall (Arkansas Tech University); Franklin D. Hardcastle (Arkansas Tech University)
Sarah	Martin	University of Central Arkansas	Graduate	II DW13 1530	Biology, general	DETERMINATION OF BAT SPECIES' USE OF ARTIFICIAL BARK ENHANCED HABITAT IN NORTHERN ARKANSAS	
Chris	McAllister	Eastern OK St. College	No	III DW10 0845	Parasitology	New Host and Distributional Records for Helminth Parasites (Trematoda, Cestoda, Nematoda) of Arkansas Reptiles (Testudines, Ophidia)	C. R. Bursey (Pennsylvania State University, Shenango Campus); T.J. Fayton (Lamar Fish Health Center); H.W. Robison; V. V. Tkach (University of North Dakota)
Chris	McAllister	Eastern OK St. College	No	III DW10 0900	Parasitology	Parasites (Apicomplexa, Trematoda, Nematoda, Phthiraptera) of Two Arkansas Raptors (Falconiformes, Strigiformes: Strigidae)	L.A. Durden (Georgia Southern University); C.R. Bursey (Pennsylvania State University, Shenango Campus); J.A. Hnida (Midwestern University); V.V. Tkach and T.J. Ackatz (University of North Dakota)
Maureen	McClung		No	III DW8 0830	Kim Smith Memorial Session	Introduction to the session: Dr. Kimberly G. Smith's Legacy of Science and Conservation	
Maureen	McClung	Hendrix College	No	III DW8 0945	Kim Smith Memorial Session	Recent studies on the behavioral responses of Arkansas wildlife to anthropogenic noise and the important questions we should be asking	
Christy	Melhart-Slay	The Sustainability Consortium	No	III DW8 0930	Kim Smith Memorial Session	Drivers of global forest loss and what it means for Arkansas	
Allison	Monroe	Hendrix College	Undergraduate	I DW10 1400	Biology, general	Biodiversity of Hymenoptera Across Sky Islands of Arkansas	Oliver J. Kuhns (Hendrix College); Sierra C. Hubbard (Hendrix College); Reynol Rodriguez (Hendrix College); Maureen R. McClung (Hendrix College); Matthew D. Moran (Hendrix College); Michael W. Gates (Smithsonian National Museum of Natural History)
MM Tariq	Morshed	Arkansas State University	Graduate	II DW11 1600	Engineering	Exploration of Alternative(s) of the Empirical and Expensive Tests to Characterize Bitumen	Zahid Hossain (Arkansas State University)
Kevin	Nordengren	Henderson State University	No	II DW10 1500	Biology, general	Observations of an Alligator (Alligator mississippiensis) nest and Hatchlings in Clark, County, with anecdotal observations of other Alligator Nests in Arkansas	Allison Surf (Henderson State University); Kevin Nordengren (Henderson State University); Renn Tumilson (Henderson State University); Kelly Irwin (Arkansas Game and Fish Commission)
Henry	North	Harding University	No	II DW8 1630	Chemistry	The Essentiality of the Vinyl Proton in Anticonvulsant Enaminones	Mariano S. Alexander (Howard University); Kenneth R. Scott (Howard University)
Caleb	O'Neal	Harding University	Undergraduate	II DW13 1545	Biology, general	Spatial Ecology of Mud Snakes (Farancia abacura) in a Small Isolated Pond Within a Bottomland Hardwood Forest	Michael V. Plummer; Ryan Stork; Steven M. Cooper
Mitchell	Pruitt	University of Arkansas	Graduate	III DW8 0845	Kim Smith Memorial Session	Winter occurrence and habitat use of Northern Saw-whet Owls (Aegolius acadicus) in northwestern Arkansas	Kimberly G. Smith (University of Arkansas)
Mosammat Briti	Rabbani	University of Arkansas at Pine bluff	Graduate	II DW13 1500	Plant Science	DEVIATION OF ANTIOXIDANT CAPABILITY OF COLORED SWEETPOTATOES AND ITS UPPERS IN RELATION TO POLYPHENOLIC CONTENTS	Shahidul Islam
Mason	Rostollan	University of Central Arkansas	Graduate	II DW13 1615	Biology, general	Integration of Mixed Methods into Community-Based Participatory Research (CBPR): A Methodological Approach and Health-Centered Case Study	Mason Rostollan; Leah Horton (University of Central Arkansas)
Sumon	Roy	Arkansas State University	Graduate	II DW11 1515	Engineering	Examining Molecular Level of Properties of Asphalt Binders to Predict Their Moisture-Induced Damage	Zahid Hossain (Arkansas State University)

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Tanim	Sardar	Arkansas Tech University	Graduate	III DW11 0915	Computer Science	Cyber Security Awareness Training Program for University Students	Luay A. Wahsheh (Arkansas Tech University)
Tamal	Sarkar	Arkansas State University	Graduate	III DW13 0845	Engineering	Electromagnetic tunability of charged particles in altered dielectric systems	Brandon A. Kemp, PhD (Arkansas State University)
Blake	Sasse	Arkansas Game and Fish Commission	No	III DW10 0830	Biology, general	Long-tailed weasel (<i>Mustela frenata</i>) status and distribution survey in Arkansas	SD Johnson (Tennessee Tech University) and RE Kissell Jr. (Tennessee Tech University). Note -Order authors as Johnson, Sasse, Kissell with Sasse presenting
Rajesh	Sharma	Arkansas State University	No	III DW13 0830	Engineering	Cadmium Sulfide-buffered PV Systems: Assessing the Environmental, Health, and Economic Impacts	Maqsood Ali Mughal (Worcester Polytechnic Institute)
Caralee	Shepard	Hendrix College	Undergraduate	I DW10 1345	Biology, general	New state records for the Texas frosted elfin (<i>Callophrys irus hadros</i>) and its host plants (<i>Baptisia</i> spp.)	Leah C. Crenshaw (Hendrix College); Natalie E. Phelan (Hendrix College); Melissa Lombardi (US Fish & Wildlife Service); William H. Baltosser (University of Arkansas at Little Rock); Maureen R. McClung (Hendrix College); Matthew D. Moran (Hendrix College)
John	Sisco	Arkansas Tech University	Undergraduate	II DW8 1600	Genetics	Gene Expression Study of Sodium β Toxins on <i>Centruroides vittatus</i> (genus/species wouldn't allow me to italicize)	Chloe Fitzgerald; Grace Rice (Arkansas Tech University)
Logan	Sublett	University of Arkansas	Graduate	I DW13 1315	Mathematics	Initial Conditions for Numerical Simulations of Richtmyer-Meshkov Instability	Tulin Kaman; Alaina Edwards; John McGarigal
Stan	Trauth	Arkansas State University (Emeritus)	No	II DW10 1545	Biology, general	Age Estimation using Phalangeal Skeletochronology in Northern Crawfish Frogs, <i>Lithobates areolatus circulosus</i> (Amphibia: Anura: Ranidae), from Arkansas	Christopher S. Thigpen (Arkansas State)
Stan	Trauth	Arkansas State University (Emeritus)	No	II DW10 1515	Biology, general	Bilateral Diaphyseal Chondrodysplasia and Polymorphic Osteodysplasia of the Tibiofibulas in a Southern Leopard Frog, <i>Lithobates sphenoccephalus</i> (Amphibia: Anura: Ranidae)	M.L. McCallum (Langston University)
Brianna	Trejo	University of Central Arkansas	Graduate	I DW10 1315	Biology, general	Energy allocation patterns in a girdling and a non-girdling caterpillar	David Dussourd (University of Central Arkansas); Matthew Gifford (University of Central Arkansas)
Renn	Tumlison	Henderson State University	No	III DW10 0915	Biology, general	Occurrence of the Sinus Nematode <i>Skrjabingylus</i> sp. (Nematoda: Metastrongyloidea) Inferred from Nasal Lesions in Arkansas Mustelidae and Mephitidae	R. Tumlison (Henderson State University); T. L. Tumlison
Renn	Tumlison	Henderson State University	No	III DW10 0930	Biology, general	Vertebrate Natural History Notes from Arkansas, 2019	R. Tumlison (Henderson State University); C.T. McAllister (Eastern Oklahoma State College); H.W. Robison; M.B. Connior (Northwest Arkansas Community College); D.B. Sasse (Arkansas Game and Fish Commission); P. R. Port (Arkansas Game and Fish Commission)
Sofie	Varriano	Hendrix College	Undergraduate	I DW10 1330	Biology, general	The synergistic relationship of bison grazing and arthropod herbivory in structuring a tallgrass prairie plant community	Luke H. Lefler (Hendrix College); Krishna Patel (Hendrix College); Carolina Kirksey (Hendrix College); Adam Turner (Hendrix College); Matthew D. Moran (Hendrix College)
Sumit	Verma	University of Arkansas, Fayetteville	Graduate	II DW11 1500	Engineering	Flow dependency upon the convection region height of a CFD Tornado simulator	Sumit Verma, R. Panneer Selvam (University of Arkansas)
Luay	Wahsheh	Arkansas Tech University	No	III DW11 0915	Computer Science	Cyber Security Awareness Training Program for University Students	Tanim Sardar
Grace	Wills	Henderson State University	Undergraduate	I DW10 1300	Biology, general	The Reproductive Season of the Highland Stoneroller, <i>Campostoma spadiceum</i> , Evidenced by Museum Specimens	Renn Tumlison (Henderson State University); Henry Robison; Grace Wills (Henderson State University)
T	Yamashita	ATU	No	II DW8 1530	Biochemistry/Molecular Biology	Scorpion toxin proteomics: Sodium toxin gene identification, isolation, and protein overexpression	
Margaret	Young	Hendrix College	Undergraduate	II DW13 1630	Biology, general	Estimating cultural ecosystem services provided by the Buffalo National River using a contingent valuation method	Margaret A. Young (Hendrix College); Maureen R. McClung (Hendrix College); Matthew D. Moran (Hendrix College); William Haden Chomphosy (Hendrix College)
Kaiman	Zeng	Arkansas Tech University	No	III DW13 0915	Engineering	Design and Development of a Vision based Lane Keeping System	Michael Langley; Nasser Alshahrani