

COLLEGE OF AGRICULTURAL SCIENCES
CANDIDATES FOR UNIVERSITY HONORS SCHOLAR
Spring 2021

Samantha Clark, Animal Science major and Animal Nutrition certificate. Thesis title: *The Effect of a Producer's Feeding Choices on the Sustainability and Efficiency of Dairy Production Systems.*

Kelly Colleran, Animal Science major and Animal Nutrition and Beef Production Systems certificates. Thesis title: *Sustainable Methods of Feeding in Ruminant Nutrition.*

Sara Edgar, Agricultural Business major and Agricultural Literacy minor. Thesis title: *The Lifelong Impacts of a Rural Education.*

Mary Hancock, Equine Science major. Thesis title: *Fertility Control Method Effectiveness in Wild Horse Population Management.*

Jordan Lobato, Agricultural Business major with Agricultural Economics concentration and Environmental and Natural Resource Economics. Thesis title: *Exploring preventative measures to combat the mental health crisis in agricultural communities.*

Chad Meister, Landscape Architecture major. Thesis title: *Green River Wyoming, Private Residential Backyard Redesign.*

Zoe Neale, Horticulture major with Horticulture Food Crops concentration. Thesis title: *The Sustainable Grower – A Farming Production Plan.*

Jennifer Ray, Equine Science major. Thesis title: *Repetitive Elements and Maternal Recognition of Pregnancy.*

Gianna Tarka, Animal Science major. Thesis title: *Biological Sex and Medicine.*

Tad Trimarco, Soil and Crop Sciences major and Watershed Science and Mathematics minors. Thesis title: *Installation of an Edge-of-Field Water Quality Monitoring Station.*

Haley Van Vleck, Equine Science major and Business Administration minor. Thesis title: *Deworming and the Equine Microbiome.*

COLLEGE OF BUSINESS
CANDIDATES FOR UNIVERSITY HONORS SCHOLAR
Spring 2021

Sidra Aghababian, Business Administration major with Organization and Innovation Management concentration and Political Science major with Environmental Politics and Policy concentration. Thesis title: *Colorado Coal Communities During Energy Transition: Do They Have Environmental and Social Justice Policies to Address the Transition?.*

Nathan Akers, Business Administration major with Finance and Accounting concentrations. Thesis title: *M&A and LBO Modeling: A Comprehensive Overview and Practical Application.*

Savannah Babish, Business Administration major with Accounting concentration, Criminology/Criminal Justice minor and Information Technology for Business Professionals certificate. Thesis title: *Shaping the ethical business world: An evaluation of proactive establishment of ethical company culture in the business environment.*

Callie Blase, Business Administration major with Marketing concentration, Spanish and Applied Statistics minors and Marketing Research and Data Analytics certificate. Thesis title: *Biz Ram's Clothing Closet.*

Meghan Brozovich, Business Administration major with Marketing concentration and English minor. Thesis title: *Creating a Crisis Communications Course for Colorado State University's College of Business.*

Brian Dusek, Business Administration with Marketing concentration and Communication Studies major. Thesis title: *Colorado State University's Fall 2021 Strategic Communications Plan.*

Luke Duvall, Business Administration major with Finance concentration and Entrepreneurship certificate. Thesis title: *COVID 19: The Intersection of Sentiment, Geography, and Finance.*

Noah Fishman, Business Administration major with Supply Chain Management concentration and Global Environmental Sustainable minor. Thesis title: *Sustainable Landscaping Business Plan.*

Skyler Folks, Business Administration major with Human Resource Management and Marketing concentrations. Thesis title: *Family Leave in the Workplace: Paternal Leave.*

Ashlyn Foster, Business Administration major with Finance concentration and Spanish minor. Thesis title: *Business Women Voices: Hear Them Roar.*

Yvette Garcia, Business Administration with Account and Finance concentrations. Thesis title: *How the Affordable Care Act Changed the United States Healthcare System.*

Derek Gosselin, Business Administration major with Marketing concentration and Sports Management minor. Thesis title: *Diehards, Casuals, and Community: A Study on Successful Sports Marketing Strategies.*

Sarah Greichen, Business Administration major with Finance and Marketing concentrations and Entrepreneurship and Innovation minor. Thesis title: *Strategies for Scaling Nonprofit Startups.*

Lauren Gross, Business Administration major with Marketing concentration, Sports Management minor, Customer Experience Management and Marketing Research and Data Analytics certificates. Thesis title: *Biz Ram's Clothing Closet.*

Camille Heard, Business Administration major with Finance and Supply Chain Management concentrations and International Business certificate. Thesis title: *The Quarantine's Impact on Modern Supply Chains: How COVID-19 Has Impacted the Supply and Demand of the Alcohol Industry.*

Kristen Henthorn, Business Administration major with Finance concentration and Merchandising minor. Thesis title: *Valuation of a Potential M&A Deal: Nordstrom, Inc.*

Jared Knigge, Business Administration major with Marketing concentration. Thesis title: *The Usefulness of Video Storytelling to Achieve an Organization's Goals.*

Jacob Lambdin, Business Administration major with Information Systems concentration. Thesis title: *Databases, Statistics, and Analysis: Application In Pro-Football Prospect Evaluation.*

Jingli Lan, Business Administration major with Finance concentration. Thesis title: *Optimal Asset Allocation for Participating International Investment in East Asia.*

Matthew Larson, Business Administration with Finance concentration, Spanish minor and International Business certificate. Thesis title: *Sherpa Thrift: A Business Plan.*

Alexandra Lopez, Business Administration major with Information Systems concentration. Thesis title: *Sharenting: A Review of the Dangers, Damages, and Reasons to use Caution When Posting Youth and Children on Social Media.*

Kailyn McVay, Business Administration with Information Systems concentration and International Business certificate. Thesis title: *Creating a Functional Database for Pro Swing Softball Organization.*

Kaitlyn Morton, Business Administration major with Finance concentration. Thesis title: *Comparison of The Federal Reserve's and European Central Bank's Crisis Management Strategies During the Financial Crisis*.

Kimberly Pannell, Business Administration major with Organization and Innovation Management and Human Resource Management concentrations and Spanish minor. Thesis title: *Exploring the Not-So Diverse World of the American Brewing Industry*.

Hayley Pawsey, Business Administration major with Marketing concentration and Art major with Integrated Visual Studies concentration. Thesis title: *Digital Marketing*.

Angela Reed, Business Administration major with Accounting concentration. Thesis title: *Common Metrics Between Fraudulent Companies*.

Maximiliano Rivera, Business Administration major with Marketing and International Business concentrations and Marketing Communication and Branding certificate. Thesis title: *More Than A Visit: Encouraging Conversation Behaviors After A Park Visit*.

Sarah Schaaf, Business Administration major with Accounting concentration. Thesis title: *A Comparison Between the Impact of Coronavirus Versus the Impact of 9/11 Terrorist Attacks on Both Southwest Airlines and the Airline Industry as a Whole*.

Sarah Siayap, Business Administration major with Finance concentration and Political Science major. Thesis title: *Sustainable Financing as a Resource for Western Water Basins*.

Lindsey Swanson, Business Administration major with Supply Chain Management and Finance concentrations. Thesis title: *Mapping of Rhino Wildlife Trafficking in Central Africa*.

Sydney Williams, Business Administration major with Information Systems concentration and Chinese minor. Thesis title: *Women in IT: The Cultivation of Power in a Male-Dominated Industry*.

COLLEGE OF HEALTH AND HUMAN SCIENCES

CANDIDATES FOR UNIVERSITY HONORS SCHOLAR

Spring 2021

Jordan Acosta, Health and Exercise Science major with Health Promotion concentration. Thesis title: *Mental Strength Program for Colorado State Athletics*.

Kaci Ally, Social Work major and Ethnic Studies minor. Thesis title: *The Sex Trafficking of Indigenous Women in the United States*.

Catherine Bergeron, Health and Exercise Science major with Sports Medicine concentration. Thesis title: *Got Guts? CVD's and Exercise's role in the Gut Microbiome*.

Jordan Bohrer, Human Development and Family Studies major with Prevention and Intervention Sciences concentration. Thesis title: *The Impact of Demonstrating and Enforcing Interpersonal Interactions: A Review of Parent-Child Interactions*.

Emily Campbell, Human Development and Family Studies major with Pre-Health Professions concentration and Spanish minor. Thesis title: *Comparing Early Communication Behaviors in Children with Autism Spectrum Disorder and Typically Developing Children in the Second Year of Life*.

Olivia Chatman, Human Development and Family Studies major with Pre-Health Professions concentration and History minor. Thesis title: *Intersections of Historical Black Motherhood and Modern-Day Infant and Maternal Mortality Rates for African Americans*.

Savannah Clark, Apparel and Merchandising with Merchandising concentration and Business Administration minor. Thesis title: *A Business and Promotional Model for a Bridal Brand*.

Jayde Contreras, Early Childhood Education major. Thesis title: *Extended Candidate Work Sample: Differentiating for English Language Learners*.

Camryn Daidone, Human Development and Family Studies major with Pre-Health Professions and Prevention and Intervention Sciences concentrations and Chemistry minor. Thesis title: *Membrane Localization in AB-Enriched MRNA Transcripts of the Early Caenorhabditis Elegans Embryo*.

Olivia Deters, Health and Exercise Science major with Health Promotion concentration. Thesis title: *Personal Training and Wellness Resource Guide for Incoming Freshman*.

Richard Dow, Apparel and Merchandising major with Product Development concentration and Spanish minor. Thesis title: *Adaptive Designs for Impaired Motor Skills*.

Kathryn Edwards, Health and Exercise Science major with Health Promotion concentration. Thesis title: *Development of an Educational Website for Parents Focused on their Children's Physical Activity and Nutrition: Approachable and Actionable Techniques*.

Savannah Encinias, Health and Exercise Science major with Sports Medicine concentration. Thesis title: *Comparing Health Behaviors Pre-Pandemic vs. Now Among CSU Students*.

Julie Eoff, Early Childhood Education major. Thesis title: *Professional Development for Culturally and Linguistically Diverse Students*.

Amanda Ericson, Nutrition and Food Science major with Dietetics and Nutrition Management concentration. Thesis title: *Food Resources on Campus: Raising Awareness to Fight Food Insecurity Among International Students*.

Julia Freedman, Health and Exercise Science major with Sports Medicine concentration. Thesis title: *An Informative Approach to Exercise: A Broad Perspective Meta-Analysis of Human Studies on the Role of Exercise in Risk Reduction of Dementia*.

Lauren Grabos, Nutrition and Food Science major with Dietetics and Nutrition Management concentration and Chemistry minor. Thesis title: *Blueberries as a Functional Food: Effects on Lipid Profile, Hemoglobin A1C, and Inflammatory Markers in Postmenopausal Women*.

Nina Henry, Human Development and Family Studies major with Pre-Health Professions concentration. Thesis title: *Case Study Evaluations of Congenital Adrenal Hyperplasia and Mayer-Rokitansky-Küster-Hausler Syndrome*.

Hannah Hockley, Health and Exercise Science major with Health Promotion concentration and Nutrition and Food Science major with Dietetics and Nutrition Management concentration. Thesis title: *Collegiate Student Athletes' Attitudes Towards Nutrition and Training in the Age of COVID-19*.

Rachel Holland, Health and Exercise Science major with Sports Medicine concentration. Thesis title: *The Biomechanical Principles of the Vertical Jump*.

Jessica Jeong, Human Development and Family Studies major with Leadership and Entrepreneurial Professional concentration, Spanish minor and Youth Mentoring with Campus Connections certificate. Thesis title: *Campus Connections: Social Justice, Diversity, Equity, Inclusion Curriculum for Mentors*.

Leah Karels, Health and Exercise Science major with Sports Medicine concentration and Biomedical Sciences minor. Thesis title: *Motor Function and Speed Battery Using IPods*.

Joshua Luff, Health and Exercise Science major and Sports Medicine concentration. Thesis title: *Survey on Effects of Exercise on Drug and Alcohol Consumption*.

Alexandra Marbois, Human Development and Family Studies major with Prevention and Intervention Sciences concentration. Thesis title: *Emotional and Support Experiences of Parents with Children Diagnosed with Anxiety and Depression*.

Maximiliano Martinez, Health and Exercise Science major with Sports Medicine concentration. Thesis title: *Reciprocal Inhibition Causing Neuromuscular Dysfunction in Rehabilitation Processes in Injuries*.

Erin McGill, Health and Exercise Science major with Sports Medicine concentration. Thesis title: *An Evaluation of the Causes and Future Implications of Unilateral Overuse Injuries in Youth Athletes*.

Hannah Mimmack, Health and Exercise Science major with Sports Medicine concentration and French minor. Thesis title: *Motivational Interviewing in Physical Therapy*.

Lindsey Murray, Health and Exercise Science major with Sports Medicine concentration. Thesis title: *Exploration and Discovery of the Effects of COVID-19 on the Lifestyle Habits and Mental Health Changes in Health and Exercise Science Students at Colorado State University*.

Emily Nardone, Nutrition and Food Science major with Dietetics and Nutrition Management concentration. Thesis title: *Assessing the Nutrition Care Process Model: Strengths, Weaknesses, and Achieving Success*.

Jordan Rebik, Health and Exercise Science major with Sports Medicine concentration. Thesis title: *The Impact of Continuous vs Intermittent Exercise on Online Learning*.

Erin Rueter, Health and Exercise Science major with Sports Medicine concentration. Thesis title: *A Review of Alzheimer's Disease: The Pathophysiology, Current Interventions, and Future Treatments*.

Sophia Stromberg, Nutrition and Food Science major with Nutrition Sciences concentration. Thesis title: *Nutritional Status and COVID-19 Disease Severity: An Analysis of Vitamin Levels and Fatty Acid Profiling in Patients Infected With SARS-CoV-2*.

Kaleb Taylor, Health and Exercise Science major with Sports Medicine concentration and Biomedical Sciences minor. Thesis title: *Prevalence of Cardiovascular Disease in Structural Firefighters and Role of Aerobic Fitness in Prevention of Cardiovascular Disease*.

Skyler Teague, Health and Exercise Science major with Sports Medicine concentration. Thesis title: *Comprehensive Health and Wellness Guide*.

Violet Virnich, Nutrition and Food Science major with Dietetics and Nutrition Management concentration. Thesis title: *Plant-Based Nutrition in Vegan and Vegetarian Diets and Maternal Health Outcomes*.

Skyler Williams, Health and Exercise Science major with Sports Medicine concentration and Spanish minor. Thesis title: *Physical Activity, Depression and Fatigue as Predictors of Health-Related Quality of Life in People with Multiple Sclerosis*.

Sarah Winn, Human Development and Family Studies major with Prevention and Intervention Sciences concentration and Legal Studies minor. Thesis title: *An Evaluative Study of the Employee-Perceived Cultural Competence of Organizations That Work With Refugees*.

Ashlee Wittig, Human Development and Family Studies major with Pre-Health Professions concentration. Thesis title: *Effects of Childhood Attachment on Emerging Adults*.

Leah Young, Human Development and Family Studies major with Prevention and Intervention Science concentration. Thesis title: *Death: A Children's Book to Help Children Understand What the End of the Life Means*.

COLLEGE OF LIBERAL ARTS

CANDIDATES FOR UNIVERSITY HONORS SCHOLAR

Spring 2021

Emeshe Amade, Sociology major with Environmental Sociology concentration and English and Spanish minors. Thesis title: *The Little Wisdoms Project*.

Alyssa Baechle, Music major and Business Administration and German minors. Thesis title: *A Study of Six the Musical: Bringing Contemporary Feminism to the Modern Theatrical Stage*.

Aspynn Carr, International Studies major with European Studies concentration and Spanish minor. Thesis title: *The Negative Effects of Voluntourism and Mission Trips in Latin America*.

Margaret Carr, Music major with Music Therapy concentration. Thesis title: *The Blurry Lines of Blurryface: The Relationship Between Art and Commerce*.

Jack Clay, Music major with Performance and Composition concentrations. Thesis title: *Senior Recital: A Musical Exploration of the Saxophone*.

Joel Collier, History major with Language concentration. Thesis title: *Fusing East and West: The Unique Belief System of Japan's Hidden Christians*.

Cooper Dow, Communication Studies major and Global Environmental Sustainable minor and Entrepreneurship and Innovation minor. Thesis title: *Raising Chickens for Meat in a Suburban Setting*.

Andrew Dutch, Music major with Music Education concentration. Thesis title: *An Electronic Saxophone Recital Portfolio: A Response to the COVID-19 Epidemic*.

Jennae Frederick, International Studies major with Latin American Studies concentration and Languages, Literatures and Cultures major with Spanish concentration. Thesis title: *Living with Vision: An Exploration of Women in our Local Community*.

Carmyn Ginnetti, Interdisciplinary Liberal Art major, Communication Studies major and Leadership Studies minor. Thesis title: *Support in On-Campus Residence Halls in the Time of a Global Pandemic*.

Jessica Grove, International Studies with Latin American Studies concentration. Thesis title: *Islamophobia in the United States*.

Meriel Hahn, International Studies major with European Studies concentration and Anthropology minor. Thesis title: *Feminist Analysis of*.

Isabel Heiland, Art major with Drawing concentration and Botany minor. Thesis title: *From Ash*.

Brooke Hennessey, Sociology major with Environmental Sociology concentration and Business Administration minor. Thesis title: *A Comprehensive Guide Towards Environmental Sustainability and Social Responsibility Within Fort Collins Breweries*.

Zachary Hughes, Economics major and Business Administration major with Finance concentration. Thesis title: *Taming The Beast: Understanding Growth and Value Firm Behavior During Covid-19 and Beyond*.

Isabelle Johnson, Political Science major with Environmental Politics and Policy concentration and Spanish minor. Thesis title: *Current Issues: The Struggle for Water and Tradition Among Acequias and the Navajo Nation*.

Julia Kallis, Music major with Performance concentration and Human Development and Family Studies major with Pre-Health Professions concentration. Thesis title: *Integrating Deaf and Hearing Culture: A Performance Journey of Learning Languages*.

Payton Lauer, Dance major and Business Administration minor. Thesis title: *Building Community Through the Understanding of Contemporary Dance*.

Andrea Mable, Sociology major with Environmental Sociology concentration and Economics major. Thesis title: *Sustainability in the Outdoors Campaign*.

Wren Macdonald, Art major with Pottery concentration. Thesis title: *Bachelor of Fine Arts Capstone Exhibition with Reflection and Presentation*.

Zoe Mack, Sociology major with Criminology and Criminal Justice concentration and Legal Studies minor. Thesis title: *The Identification and Detection of Human Trafficking in the U.S.*

Jacee Manchego, Sociology major with Criminology and Criminal Justice concentration and Legal Studies minor. Thesis title: *Estate Planning Resources for All Ages*.

Fiona McAliney, Art major with Art History concentration and German minor. Thesis title: *The Duality of the Nature of Sugar: An Exploration of the History of Sugar Through Art and Its Effect on the World*.

Enrique Mendoza, Political Science major with U.S. Government, Law and Policy concentration, Economics major and Legal Studies and Business Administration minors. Thesis title: *GreenBack Business Plan*.

Jillian Mitchell, Anthropology major with Biological Anthropology concentration and Sociology major with Criminology and Criminal Justice concentration. Thesis title: *The Impact of Structural Issues in the Criminal Justice System on Forensic Anthropology*.

Allyson Murphy Pauletto, International Studies major with Latin American Studies concentration and Ecosystem Science and Sustainability major and Spanish and International Development minors. Thesis title: *Drivers, Pivot Points, and Understanding Why Students Join and Reasons They Stay in Sustainability*.

Mackenzie Newman, Economics major and Business Administration major with Finance and International Business concentrations and Spanish minor. Thesis title: *Bridging the Gap in Outdoor Recreation: A Local Approach to a Widespread Issue*.

Maria Nguyen, Art major with Graphic Design concentration. Thesis title: *Academie for Young Scholars: Branding, Product, and User Interface/User Experience Design*.

Peter Nieuwlandt, Geography major. Thesis title: *Production and Consumption of the Nike Cortez since 1972, a Spatial Investigation*.

Amy Noble, Art major with Graphic Design concentration and Business Administration minor. Thesis title: *I am a Third Culture Kid: A Visual Investigation of Personal and Cultural Experience*.

Mary O'Hara, Sociology major with Criminology and Criminal Justice concentration. Thesis title: *Policing Disaster: A Historical Analysis*.

Allison Parks, History major with Language concentration and Political Science major with Global Politics and Policy concentration and Spanish and Russian Studies minors. Thesis title: *An Analysis of Human Trafficking Misconceptions to Educate the General Public*.

Gabriela Perry, History major with Social Studies Teaching concentration. Thesis title: *Rigoberta Menchu: The International Admiration and Condemnation of a Mayan Woman*.

America Rios-Martinez, Economics major, International Studies major with Latin American concentration and Languages, Literatures and Cultures major with Spanish concentration. Thesis title: *How COVID-19 is Having a Disproportionately Negative Effect on Hispanics and How to Address Possible Solutions*.

Taylor Sandal, Journalism and Media Communications major and Global Environmental Sustainability minor. Thesis title: *Holding on: Exploring Music as a Tool to Make a Difference*.

Hunter Slezak, Political Science major with Environmental Politics and Policy and Political Communication, Environmental Affairs and Legal Studies minors. Thesis title: *TABOR & Colorado: An Analysis of its Origins and Unintended Consequences*.

Joseph Snapp, Economics major and Environmental and Natural Resource Economics major. Thesis title: *Economic Impact Assessment of Climate Change on Ski Based Tourist Economies*.

Lydia Sundberg, International Studies major with Latin American Studies concentration and Languages, Literatures and Cultures major with Spanish concentration. Thesis title: *An Evaluation of Human Rights Violations Committed in the ICE Detainment Centers During the COVID-19 Pandemic: Systemic Gaps Revealed (2020)*.

Mary Swing, International Studies major with Latin American Studies concentration, Political Science major and Languages, Literatures and Cultures major with Spanish concentration and Chinese minor. Thesis title: *International and Third Culture Kid (TCK) Student Handbook to CSU*.

Brandon Tobey, Political Science major and History major with General History concentration and Legal Studies minor. Thesis title: *First Past the Post: Most Votes Wins, But Do the Voters Also Win?*

Megan Valliere, Political Science major with U.S. Government, Law and Policy concentration and English and Legal Studies minors. Thesis title: *Crimes of Poverty: The Capacity of Local Government to Build a Permanent Underclass*.

Emily Wallace, Dance major. Thesis title: *Womxn*.

Taylor White, English major with Creative Writing concentration and Business Administration and Spanish minors. Thesis title: *The United States: A Novel*.

Morgan Wilson, History major with General History concentration and Anthropology minor and Museum and Cultural Heritage Studies certificate. Thesis title: *The Life of An Artifact: Uncovering History Through*.

COLLEGE OF NATURAL SCIENCES

CANDIDATES FOR UNIVERSITY HONORS SCHOLAR

Spring 2021

Cooper Ast, Biological Science major with Biological Science concentration. Thesis title: *Development of a Novel and Adaptable RNA Extraction Method*.

Lindsey Boesen, Biological Science major with Biological Science concentration. Thesis title: *Skin as an Indicator of Disease: Diabetes Mellitus*.

Bailey Boyd, Biological Science major with Biological Science concentration. Thesis title: *From Birth to Bankruptcy: How the United States Became the Most Expensive (And Still Quite Dangerous) Country to Have a Baby*.

Allie Brieske, Biological Science major with Biological Science concentration and General Sociology minor. Thesis title: *The Lack of Diversity in Healthcare: An In-Depth Analysis of Medical School Admissions Process Regarding Racial Diversity*.

Monique Broussard, Chemistry major. Thesis title: *Improving Non-Invasive in Vivo Imaging Technique With NMR Temperature Sensitivity of Trisethylenediamine Cobalt (III) and Anion Species Citrate, Tartrate and Acetate*.

ZiYao Cheng, Mathematics major with Actuarial Science concentration and Business Administration major with Finance concentration. Thesis title: *A Financial Analysis of Nintendo (In the Past Ten Years)*.

Jeanie Coffield, Zoology major and Fish, Wildlife and Conservation Biology major with Wildlife Biology concentration. Thesis title: *Estimating the Population Size of Leptoonycteris Species in Southwestern New Mexico*.

Chenoa Colon, Biological Science major with Biological Science concentration. Thesis title: *The Potential of Integrating Adoptable Canines into Higher Education Academic Environments*.

Collin Coon, Biological Science major with Biological Science concentration and Japanese and Mathematical Biology minors. Thesis title: *Methane Plume Dispersal in Varying Wind Conditions*.

Ryann Daly, Chemistry major ACS certified and Mathematics and Nutrition minors. Thesis title: *Characterizing the Influence of Hemp Protein in Modifying the Food Product Matrix Delivery System of Blueberry Polyphenol Extract to Increase Bioavailability and Usefulness of Phytochemicals*.

Carlos Delgado, Statistics major with General Statistics concentration and International Business certificate, Business Administration major with Finance concentration and French minor. Thesis title: *Pacing of Films Across Time*.

Andres Fernandez, Biochemistry major with ASBMB concentration and Music and Molecular Biology minors. Thesis title: *Classifying the Role of the Bsp1 Protein in Yeast Clathrin-Mediated Endocytosis*.

Andrew Fiel, Computer Science major with Computer Science concentration. Thesis title: *Evaluating a Machine Learning Model for Autonomous Vehicles with Simulation*.

Jasmine Gallegos, Biological Science major with Biological Science concentration. Thesis title: *The Effects of High Intensity Exercise on the Shedding of Parasite Eggs*.

Marlena Giannone, Mathematics major with General Mathematics concentration and Creative Writing and Computer Science minors. Thesis title: *The Intersection of Poetry and Mathematics*.

Lindsey Godwin, Zoology major. Thesis title: *Investigating the Function of Lgr3 as the Receptor for LAFpro on Molt Regulation in Gecarcinus Lateralis*.

Brooke Hardesty, Mathematics major with Applied Mathematics concentration and Physics major with Physics concentration. Thesis title: *Exploring Optimization Techniques with Neural Networks*.

Samantha Harris, Biochemistry major with General Biochemistry concentration, Spanish and Molecular Biology minors and Spanish for Animal Health Care certificate. Thesis title: *Apolipoprotein E in Metabolic Disease States and Human Longevity*.

Hannah Hess, Biological Science major with Biological Science concentration. Thesis title: *Analysis of Urban and Rural Canine Novel Object Response in Canis Latrans and the Domestic Dog*.

Tatiana Jourdan, Zoology major and Business Administration, Global Environmental Sustainability and French minors. Thesis title: *Ram Cash Usage off Campus*.

Aisling Kyne, Zoology major. Thesis title: *The Impact of Parasitology Educational Resources on Client Decision-making pertaining to Preventive Care*.

Emma Lerch, Biological Science major with Biological Science concentration and Military Science minor. Thesis title: *Perception of Military Recruitment Based on Varying Financial Demographics*.

Sierra Londenberg, Mathematics major with Mathematics Education concentration. Thesis title: *Math History Lessons*.

Emily Luetschwager, Statistics major with Mathematical Statistics concentration and Economics and Mathematics minors. Thesis title: *An Investigation of Factors Affecting Natural Gas Leak Detection With Mobile Methane Surveys*.

Katherine Manzione, Statistics major with General Statistics concentration and Business Administration and Mathematics minors. Thesis title: *The Impact of Altitude Training on NCAA Division I Female Swimmers' Performance*.

Jessica Marsh, Zoology major with German and Chemistry minors. Thesis title: *Oceans Apart*.

Mariah Mauro, Biological Science major with Biological Science concentration. Thesis title: *The Importance of Exercise During Adolescence*.

Will McDonald, Computer Science major with Human-Centered Computing concentration. Thesis title: *Sense of Self - A Music Composition Project*.

Johanna Michelsohn, Biological Science major with Biological Science concentration and Spanish and Chemistry minors. Thesis title: *Performing Gene Replacement in Arabidopsis Thaliana and Further Implications in the Study of Cytonuclear Interactions*.

Darcy Moore, Biological Science major with Biological Science concentration. Thesis title: *Engineering a Model Cyanobacterium to Renewably Produce Isobutyraldehyde*.

Camille Moss, Biological Science major with Biological Science concentration and Biomedical Sciences minor. Thesis title: *Effectiveness of Different Training Strategies in Dogs*.

Sarah Ness, Zoology major. Thesis title: *The Formation of Me*.

Megan Nolta, Biological Science major with Biological Science concentration and General Sociology minor. Thesis title: *Maternal and Child Health in the United States: Exploring Racial Health Disparities*.

Jonathan Olds, Statistics major with General Statistics concentration and Business Administration, Mathematics and Sports Management minors. Thesis title: *A Brand New Ballgame? How the Best MLB Players Are Selected in the Age of Sabermetrics*.

Mary Pritchard, Psychology major with General Psychology concentration. Thesis title: *Understanding Eating Disorders and Intersectional Identities*.

Mohammad Ramadan, Biochemistry major with ASBMB concentration and Chemistry minor. Thesis title: *Synthesis and Exploration of the Stability of (Me₄N)₆[V₁₅O₃₆(Cl)] Under Physiological Conditions*.

Marlee Rickelton, Zoology major. Thesis title: *An Overview of Leopard Distribution in the Greater Kruger National Park Area: Changing Population Numbers and the Difficulties Associated with Leopard Conservation*.

Aritza Vanessa Rivera, Biochemistry major with Health and Medical Sciences concentration and Languages, Literatures and Cultures major with Spanish concentration and Chemistry minor. Thesis title: *Scorpion Venom: An Assessment of Cancer Treatments and Their Biochemical Pathways*.

Meagan Rockow, Biological Science major with Biological Science concentration and Chemistry minor. Thesis title: *A Review: Gut Microbiome Influences on Cancer Treatments*.

Natalie Rodriguez, Biological Science major with Botany concentration. Thesis title: *Ecological Niche Model for Selenium Hyperaccumulation in Stanleya Pinnata*.

Lilleana Rogers, Biological Science major with Biological Science concentration and International Development minor. Thesis title: *Integrative Medicine as a Solution to Criticisms of Biomedicine and Mechanism of Increasing Cultural Competency in Health Care*.

Christian Sanders, Biochemistry major with General Biochemistry concentration and Molecular Biology minor. Thesis title: *Mechanistic Characterization of a Clinically Identified Drug Resistant Mutation in HIV Protease*.

Madison Schuster, Biological Science major with Biological Science concentration and Spanish minor. Thesis title: *An Assessment of the Holistic Well-Being of ROTC Cadets During Physical Fitness Training and Implications for Performance and Recovery*.

Jenna Sickau, Mathematics major with General Mathematics concentration. Thesis title: *Questions in Education: A Collection of Essays from a Student Perspective*.

Brandon Simony, Mathematics major with Applied Mathematics concentration. Thesis title: *Bovine Tuberculosis Within Herd Model*.

Sophie Soward, Biochemistry major with General Biochemistry concentration. Thesis title: *Investigating Salt Flavor-Enhancing Pathways for the Development of Salt Alternatives*.

Nathan Sundstedt, Zoology major and History minor. Thesis title: *The American Beaver (Castor canadensis) and its home in Colorado*.

Madison Tulick, Zoology major. Thesis title: *Snakes as Pets, What Professionals Say, What Society Sees*.

Sydney Weller, Biological Science major with Biological Science concentration and Chemistry minor. Thesis title: *Thalidomide: History, Birth Defects, and Chemical Basis*.

Caroline Wendt, Mathematics major with General Mathematics concentration and Statistics major with General Statistics concentration. Thesis title: *Weaving accessible technologies into a bookdown framework to enhance user accessibility and promote inclusivity of reproducible research.*

Desiree Westrom, Psychology major with General Psychology concentration and Sociology major with Criminology and Criminal Justice concentration. Thesis title: *A Literature Review of Racial Disparity in Police Use of Lethal Force.*

Emma Wilson, Psychology major with Addiction Counseling concentration and Spanish minor. Thesis title: *Assistant Professor Department of Psychology.*

Owen Zielinski, Biochemistry major with ASBMB concentration and Psychology major with Clinical/Counseling Psychology concentration. Thesis title: *The Potential Usage of Nitisinone as a Treatment for Hawkinsinuria.*

COLLEGE OF VETERINARY MEDICINE AND BIOMEDICAL SCIENCES

CANDIDATES FOR UNIVERSITY HONORS SCHOLAR

Spring 2021

Jacob Abalos, Neuroscience major with Cell and Molecular Neuroscience concentration. Thesis title: *How Nuclear Morphology Can Predict the Invasiveness of Triple Negative Breast Cancer.*

Mohamed Alhassan, Biomedical Sciences major. Thesis title: *Future Trends in the Russia-China Alliance.*

Jordyn-Li Barth, Biomedical Sciences major. Thesis title: *Living with Fire: An Informational Guide to Adolescent Encephalitis.*

Joey Boehrer, Microbiology major. Thesis title: *Mycobacterial Growth and Division Cycle Regulation.*

Jessica Brause, Biomedical Sciences major. Thesis title: *Brain Awareness Week Presentation: The Physiology and Treatment of Common Mental Illnesses.*

Rhodry Brown, Microbiology major. Thesis title: *Synthesis of the Novel Antimicrobial Enzyme Jel-Endolysin and its Efficacy Against Common Bacterial Pathogens.*

Jamie Burke, Biomedical Sciences major and Spanish and Chemistry minors. Thesis title: *Socioeconomic Discrepancies in Fetal-Maternal Medicine.*

Kailee Calder, Microbiology major. Thesis title: *Understanding 1918 Spanish Influenza: A historical exploration of the pandemic and its impacts on infectious disease medicine.*

Gillian Cook, Biomedical Sciences major. Thesis title: *Genome Editing as a Therapeutic Tool in Huntington's Disease.*

Joshua Cooper, Neuroscience major with Behavioral and Cognitive Neuroscience concentration and Spanish minor. Thesis title: *Environmental Factors Contributing to Celiac Disease.*

Rhythm Dadhwal, Microbiology major. Thesis title: *Non-Tuberculosis Environmental Mycobacterium (NTM) Interface With the Protection Acquired by the Bacillus Calmette-Guerin (BCG) Vaccine: The Effect of NTM Sensitization on the Human Gut and Lung Microbiome.*

Morgan Edstrom, Biomedical Sciences major and Spanish minor. Thesis title: *Path to PA.*

Julie Elwyn, Biomedical Sciences major. Thesis title: *The Importance of Physiology in High School Science Curriculum.*

Hadley Frisby, Biomedical Sciences major and Nutrition minor. Thesis title: *Instructional Anatomy Videos as an Enhancement to In-Person Learning: Focus on Attachments, Insertions, and Actions of Muscles.*

Bryce Hill, Microbiology major and Chemistry and Music minors. Thesis title: *A Century Apart – A Comparison of the 1918 Spanish Flu Pandemic and the 2020 CoViD-19 Pandemic.*

Kristin Hinsien, Biomedical Sciences major. Thesis title: *Efficacy of Nitric Oxide as an Alternative Therapeutic for Neuroblastoma.*

Lauren Houdesheldt, Environmental Health major and Biomedical Sciences minor. Thesis title: *Combating the Spread of Zoonotic Diseases.*

Alyx Job, Biomedical Sciences major, Microbiology major and Chemistry minor. Thesis title: *Advanced in vitro assessment of drug-drug interactions for the spectinamide drug class.*

Mariah Jordan, Microbiology major. Thesis title: *Cytotoxicity of Myxoma Virus Recombinant With ORFC Protein.*

Therese Kondash, Environmental Health major. Thesis title: *Perceived Risk of West Nile Virus Versus Opinion of Mosquito Control Efforts in CSU Student Population.*

Katelynn Kroeker, Biomedical Sciences major and Zoology minor. Thesis title: *Nasal Immune Response to Novel Mucosal Immune Stimulant in Mice.*

Brynn Lauterbach, Microbiology major. Thesis title: *Glial-neuronal Signaling Mechanisms Underlying the Neuroinflammatory Effects of Prion Disease.*

Aidan Lewis, Neuroscience major with Cell and Molecular Neuroscience concentration. Thesis title: *Fear and Hope: An Integrative Neuroscience Model For Values and Decision-Making.*

Linda Lott, Biomedical Sciences major and German minor. Thesis title: *Placental Vasculature in Virtual Reality: A Comparison Between the Differences of Placental Vasculature in Different Sexes and Species Using Immunofluorescence Imaging.*

Caroline McPhillips, Biomedical Sciences major. Thesis title: *Can I Pick Your Brain?: A Review of Abnormal Amygdala-Dorsolateral/Ventromedial Prefrontal Cortex Connectivity in Individuals With Major Depression.*

Kolby Moore, Biomedical Sciences major. Thesis title: *Return to Sport After Injury.*

Taylor Morris, Microbiology major and Leadership Studies and Chemistry minors. Thesis title: *Honey: Nature's Medicine.*

Jenna Nguyen, Biomedical Sciences major. Thesis title: *Female Arousal: What Does or Does Not Cause the Sparks?.*

Harper O'Neill, Neuroscience major with Cell and Molecular Neuroscience concentration. Thesis title: *The Role of Naturally Occurring Polyphenol Compounds in Neuroprotection.*

Megan Oppy, Microbiology major. Thesis title: *A Review of the History of Salmonella in Foodborne Illness.*

Jamie Pang, Biomedical Sciences major. Thesis title: *A Children's Storybook for the Pediatric Ward.*

Kira Patrylak, Biomedical Sciences major and Chemistry minor. Thesis title: *A Fine Balance: Protecting the Body Through Dance.*

Raegan Petch, Microbiology major and Spanish and Chemistry minors and Spanish for Animal Health Care certificate. Thesis title: *Frequent Spillover of Feline Leukemia Virus From Domestic Cats to North American Pumas.*

Emily Ranieri, Biomedical Sciences major and Conservation Biology minor. Thesis title: *Enrichment Techniques for the Wholistic Care of Large Felids in Zoological Settings.*

Maya Roberts, Biomedical Sciences major. Thesis title: *Clubfoot Brace Development for Low Resource Regions.*

Kimberly Shelton, Microbiology major. Thesis title: *Investigation of FimH Activation of Innate Immunity via TLR4 Binding and Signaling.*

Zachary Shepard, Neuroscience major with Behavioral and Cognitive Neuroscience concentration and Music minor. Thesis title: *Music and the Mind: Understanding the Brain's Selectivity of Music Performance.*

Sydney Suckling, Biomedical Sciences major. Thesis title: *Ulcerative Colitis and the Lives of Young Adults*.

Rachel Treitman, Neuroscience major with Behavioral and Cognitive Neuroscience concentration. Thesis title: *Colocalization of PACAP Within Estrogen Receptor Beta Neurons*.

Aspen Turner, Biomedical Sciences major and General Sociology, Biochemistry and Molecular Biology minors. Thesis title: *Energy Homeostasis: Understanding the Relationship Between Proopiomelanocortin Neurons and Activity Based Anorexia*.

Mollie Uhrig, Microbiology major. Thesis title: *Understanding the Role of RAD51API in Affecting the Susceptibility to Radiation Carcinogenesis in Mice*.

Jasmin Valadez, Neuroscience major with Behavioral and Cognitive Neuroscience concentration and Spanish minor. Thesis title: *An Examination of Socioeconomic Differences in Brain Development: Mediators and Targets for Change*.

Megan Valerius, Biomedical Sciences major. Thesis title: *Decellurized Tissue Scaffold: An Investigation Into Cell Seeding Density for Tissue Regeneration*.

Ricardo Vazquez, Biomedical Sciences major with Health and Medical Sciences concentration and Biochemistry major. Thesis title: *Shedding Light on Type 2 Diabetes Mellitus: Translating Novel Diagnostic and Therapeutic Approaches to Increase Disease Understanding and Prevention*.

Olivia Wennstedt, Biomedical Sciences major and Spanish minor. Thesis title: *¿Quieres Ser Veterinario?*

Alix Young, Biomedical Sciences major and Chemistry minor. Thesis title: *Flipbook of Human Anatomy*.

Maia Zoller, Neuroscience major with Cell and Molecular Neuroscience concentration. Thesis title: *The Role of Microglia in Neuronal Cofilin Pathology: A Possible Target for Therapeutic Intervention in Neurodegenerative Disease*.

WALTER SCOTT, JR. COLLEGE OF ENGINEERING

CANDIDATES FOR UNIVERSITY HONORS SCHOLAR

Spring 2021

Kevin Alamo-Perez, Computer Engineering major and Computer Science minor. Thesis title: *Canine Exoskeleton for Rehabilitation*.

Tayne Andrade, Environmental Engineering major with Environmental Engineering concentration. Thesis title: *Parker Water and Sanitation District: South Water Reclamation Facility Upgrades*.

Ashley Andringa, Mechanical Engineering major. Thesis title: *The Electric Go-Kart Senior Design Project*.

Taylor Ausec, Chemical and Biological Engineering major and Biomedical Engineering and Chemistry minors. Thesis title: *Engineering Design of Human Mesenchymal Stem Cell Production for the Treatment of Spinal Cord Injuries*.

Logan Blakeslee, Biomedical Engineering with Mechanical Engineering major. Thesis title: *Wireless Smart Junctional Tourniquet Senior Design Project*.

Jack Burns, Chemical and Biological Engineering major and Business Administration minor. Thesis title: *Engineering a Safe Inhibitor for the Enzyme Trypsase*.

Joseph Canterbury, Mechanical Engineering major. Thesis title: *Rocket Propulsion - Senior Design*.

Theresa Centola, Environmental Engineering major with Environmental Engineering concentration. Thesis title: *Larimer County Floodplain Modeling and Management*.

Christina Chang, Mechanical Engineering major with Aerospace Engineering concentration. Thesis title: *Spaceport America Cup Rocket Team*.

Connor Cloherty, Mechanical Engineering major. Thesis title: *Course Rover: The Contemporary Solution to Golf's Most Uncomfortable and Expensive Problems*.

Kolbin Dahley, Mechanical Engineering major. Thesis title: *Lockheed Martin Hall Effect Thruster Propulsion*.

Colin Diehl, Mechanical Engineering major. Thesis title: *Special Needs Playground*.

Sarah Dieker, Civil Engineering major. Thesis title: *Rocky Mountain National Park Intersection Improvement: Deer Ridge Junction*.

Kiley Dindinger, Civil Engineering major. Thesis title: *Cameron Peak Fire Erosion Mitigation*.

Joanna Dunne, Biomedical Engineering with Mechanical Engineering major. Thesis title: *Canine Exoskeleton for Rehabilitation*.

Sarah Easton, Biomedical Engineering with Chemical and Biological Engineering major and Mathematical Biology minor. Thesis title: *Cancer Immunotherapy: A Review*.

Benjamin Farkas, Biomedical Engineering with Chemical and Biological Engineering major. Thesis title: *Real-Time Augmented Reality Ultrasound Display System*.

Logan Farrand, Biomedical Engineering with Mechanical Engineering major. Thesis title: *Medtronic Pediatric Spine Clamp Senior Capstone (Engineering)*.

Samantha Fischer, Civil Engineering major. Thesis title: *Jackson Ditch Rehabilitation*.

John Fleischmann, Biomedical Engineering with Mechanical Engineering major. Thesis title: *Quatro Socket Engineering Analysis*.

Keian Freshwater, Environmental Engineering major with Environmental Engineering concentration and Global Environmental Sustainability minor. Thesis title: *Senior Design Project - Larimer County Floodplain Modeling and Management*.

Kayla Hackett, Mechanical Engineering major. Thesis title: *The Biomedical Sciences Diseased Animal Activity Monitoring*.

Jonah Heintzleman, Civil Engineering major. Thesis title: *CSU Concrete Canoe 2020-21*.

Hannah Hindie, Mechanical Engineering major and Business Administration minor. Thesis title: *Creating a System for Rodent Monitoring*.

Emily Hoffmann, Biomedical Engineering with Mechanical Engineering major and Mathematics minor. Thesis title: *Ultraviolet Germicidal Irradiation Device (Senior Design)*.

Aaron Hosack, Chemical and Biological Engineering major. Thesis title: *Scaling Up COVID-19 Vaccine Production*.

Kyle Howe, Chemical and Biological Engineering major and Music major with Performance concentration. Thesis title: *An Educational Module on Designing and Simulating an Ethanol Chemical Plant*.

Ting Yu Hsu, Biomedical Engineering with Chemical and Biological Engineering major and Music major with Performance concentration. Thesis title: *Developing a Real-Time Augmented Reality Ultrasound Display System Utilizing Microsoft HoloLens 2*.

Rachel Keating, Biomedical Engineering with Chemical and Biological Engineering major and Mathematics minor. Thesis title: *Wireless Smart Junctional Tourniquet*.

Katrina Lems, Biomedical Engineering with Mechanical Engineering major. Thesis title: *Wheelchair Monitoring System*.

Abigail Maben, Mechanical Engineering major. Thesis title: *Urban Air Quality Impacts Inferred From Ground-Based Monitoring Networks Due to Geographic Variability and the COVID-19 Pandemic*.

Hannah Mabry, Biomedical Engineering with Chemical and Biological Engineering major and Mathematics minor. Thesis title: *Cairn : A Grateful Reflection in Photopoetry*.

Courtney Mack, Chemical and Biological Engineering major. Thesis title: *An Investigation of Stem Cell Spinal Cord Repair: Synthesis, Modeling, and Economic Analysis*.

Paula Mendoza Moreno, Chemical and Biological Engineering major. Thesis title: *A Comparative Analysis of Guayule Bagasse-To-Fuel Pathways*.

Shea Mielke, Mechanical Engineering major with Aerospace Engineering concentration. Thesis title: *SWATH Spiral Wrapped Antenna*.

Elise Ng, Biomedical Engineering with Mechanical Engineering major. Thesis title: *Pediatric Spine Clamp*.

Faith Otieno, Biomedical Engineering with Electrical Engineering major. Thesis title: *Rapid Prototyping and Material Selection: Low Cost COVID-19 Test*.

Layne Perry, Civil Engineering major. Thesis title: *Brumadhino What If Project*.

Emily Radtke, Chemical and Biological Engineering major and Environmental Engineering minor. Thesis title: *Drone Detection of Harmful Algal Blooms - Design Phase of an EPA-P3 Project*.

Cole Riechert, Computer Engineering major and Computer Science minor. Thesis title: *On-Device ML for Smartphones*.

Mehdi Rubaii, Chemical and Biological Engineering major and Mathematics major with General Mathematics concentration. Thesis title: *Vector Bundles and Swan's Theorem*.

Garrett Ruf, Chemical and Biological Engineering major. Thesis title: *Process Design of Hydrothermal Liquefaction of Food Waste*.

Rebecca Schaldach, Mechanical Engineering major. Thesis title: *Replication of the Mechanical Loading of Rotator Cuff Tendons for the Development of Implantable Scaffolds in Rotator Cuff Repair*.

Kayla Schultz, Civil Engineering major and Global Environmental Sustainability minor. Thesis title: *Larimer County Floodplain Modeling and Mitigation*.

Sydney Sherrick, Biomedical Engineering with Mechanical Engineering major. Thesis title: *Wireless Smart Junctional Tourniquet*.

Zakri Siegel, Environmental Engineering with Environmental Engineering concentration. Thesis title: *Berthoud Water Treatment Taste and Odor Mitigation*.

Nicholas Trammell-Jamison, Mechanical Engineering major and Entrepreneurship certificate. Thesis title: *Concentrated Winding DC Motor*.

Grace VanOrman, Biomedical Engineering with Mechanical Engineering major. Thesis title: *Video Assisted Thoracoscopic Training Device for Right Upper Lobectomy*.

Sydney Villers, Chemical and Biological Engineering major and History major with General History concentration. Thesis title: *The Story of Salt: Iodization in the Twentieth Century*.

Tracey Wick, Biomedical Engineering major with Chemical and Biological Engineering major. Thesis title: *Investigation of a Metal-Organic Framework Coating onto Extracorporeal Membrane Oxygenation Tubing*.

Kaitlyn Wood, Biomedical Engineering with Electrical Engineering major. Thesis title: *Microsensor System for the Measurement Cellular Metabolic Indicators*.

Anderson Worcester, Computer Engineering major. Thesis title: *Cybersecurity for Vehicles: Network Anomaly Detection*.

WARNER COLLEGE OF NATURAL RESOURCES

CANDIDATES FOR UNIVERSITY HONORS SCHOLAR

Spring 2021

Tori Applehans, Fish, Wildlife and Conservation Biology with Conservation Biology concentration. Thesis title: *Invertebrate Community Composition Variability by Wetland Type and Duckling Survival in Mallards (*Anas platyrhynchos*) and Gadwals (*Mareca strepera*) in North Park, Colorado*.

Hannah Caracalas, Fish, Wildlife and Conservation Biology with Wildlife Biology concentration. Thesis title: *Reproductive Trade-Offs in the Colorado Checkered Whiptail Lizard (*Aspidoscelis neotesselatus*)*.

Lenka Dorskocil, Watershed Science major. Thesis title: *Correlations Between Peak Snow Water Equivalent (SWE), Snow-All-Gone Date, and Date and Magnitude of Peak Discharge in the Uncompahgre River*.

YuanXing Fang, Ecosystem Science and Sustainability major. Thesis title: *"Off the Roof" Citizen Science Project*.

Lauryn Howlett, Ecosystem Science and Sustainability major and Sustainable Energy minor. Thesis title: *Correlating Trends in Silica Concentration with Diatom Productivity in a Subalpine Watershed Using Long Term Data*.

Julia Ledford, Ecosystem Science and Sustainability major and Geospatial Information Science for Natural Resources minor. Thesis title: *Spatial and Statistical Analysis of Colorado's Historical Avalanche Cycle in March 2019*.

Teagan Lee, Fish, Wildlife and Conservation Biology with Wildlife Biology concentration. Thesis title: *The Anthropocene: An Honest Lens*.

Sydney Matkins, Fish, Wildlife and Conservation Biology with Wildlife Biology concentration and Statistics minor. Thesis title: *Effects of Macroinvertebrate Biomass Changes Spatially and Seasonally in the Blue River, CO*.

Sydney McAndrews, Fish, Wildlife and Conservation Biology with Fisheries and Aquatic Sciences and Spanish minor. Thesis title: *Revealing Receptors: Characterization of Three Groups of Tyrosine Kinase Receptors From the Yorgan Transcriptome of the Blackback Land Crab, *Gecarcinus lateralis**.

Natalie McManus, Ecosystem Science and Sustainability major and Environmental Affairs minor. Thesis title: *Deep Within Our Climate Crisis*.

Alexis Meyer, Ecosystem Science and Sustainability major and Geography and Watershed Science minors. Thesis title: *Glacial Area and Volume Changes in Grand Teton National Park from 1964 to 2019*.

Katherine Millman, Fish, Wildlife and Conservation Biology major with Conservation Biology concentration and Statistics and Ecological Restoration minors. Thesis title: *A Comparative Analysis of Wetlands in Larimer County, CO*.

Madison Molter, Fish, Wildlife and Conservation Biology major with Conservation Biology concentration and Zoology minor. Thesis title: *The Changing Distribution of Herpetofauna in South Carolina*.

Meghan Montagne, Ecosystem Science and Sustainability major and Environmental Affairs minor. Thesis title: *Creating an Open Access Database For Ecosystem Science Discovery in the South Platte River Community*.

Julia Perbohner, Ecosystem Science and Sustainability major and Economics minor. Thesis title: *A Walk Through the Social Behaviors of Climate Change*.

Joseph Pitti, Ecosystem Science and Sustainability major and Fishery Biology and Statistics minors. Thesis title: *Daytime Predation Refuge and Persistence of Mysis Shrimp (*Mysis diluviana*) in Lentic Systems of Colorado*.

Edward Rhodes, Fish, Wildlife and Conservation Biology major with Wildlife Biology concentration and Global Environmental Sustainability minor. Thesis title: *Accelerating the Transition Toward Renewable Energy*.

Chloe Schaub, Fish, Wildlife and Conservation Biology major with Wildlife Biology concentration. Thesis title: *A New Kind of Picture Book: Fostering Connections to the Land in Children Aged 4-8*.

Claire Silvestre, Ecosystem Science and Sustainability major and Entrepreneurship and Innovation minor. Thesis title: *Cost Benefit Analysis of Running a Sustainable Winery*.

Matthew Tyrrell, Geology major with Geophysics and Hyrdogeology concentrations. Thesis title: *Thermal Properties of Streambed Sediments in Douglas County, Colorado*.

Ilana Vargas, Ecosystem Science and Sustainability major. Thesis title: *An Updated Water, Waste, and Development Assessment of the CSU Todos Santos Center*.

Hannah Willis, Fish, Wildlife and Conservation Biology major with Conservation Biology concentration. Thesis title: *Why We Conserve: A Short Film About Connecting to the Important Things*.

Zachariah Wilson, Fish, Wildlife and Conservation Biology major with Conservation Biology concentration. Thesis title: *The Relationship Between Anthropogenic Feeding and Fox Squirrel (Sciurus Niger) Habitation to Humans in Fort Collins, Colorado*.

Zhongmiao Xue, Ecosystem Science and Sustainability major. Thesis title: *Constructed wetlands may become a new form of sewage treatment in the future*.

Xi Zeng, Ecosystem Science and Sustainability major. Thesis title: *Climate Change Impacts on Future Fire Behavior in Rocky Mountain National Park*.

Mengfei Zhang, Ecosystem Science and Sustainability major. Thesis title: *Climate Change Impacts on Colorado Forest Ecosystem*.