

Spring 2023
Colorado State
University



Live Learn Grow

University Honors
Program

Established 1957

Honors Graduate
Recognition Ceremony
May 12, 2023

Lory Student Center Ballroom
Reception to follow

LAND ACKNOWLEDGMENT

Colorado State University acknowledges, with respect, that the land we are on today is the traditional and ancestral homelands of the Arapaho, Cheyenne, and Ute Nations and peoples. This was also a site of trade, gathering, and healing for numerous other Native tribes. We recognize the Indigenous peoples as original stewards of this land and all the relatives within it. As these words of acknowledgment are spoken and heard, the ties Nations have to their traditional homelands are renewed and reaffirmed.

CSU is founded as a land grant institution, and we accept that our mission must encompass access to education and inclusion. And, significantly, our founding came at a dire cost to Native Nations and peoples whose land this university was built upon. This acknowledgment is the education and inclusion we must practice in recognizing our institutional history, responsibility, and commitment.



The goal of the Honors Program is simple: to challenge the student to excel in and beyond the classroom. The University Honors Program encourages the student to create an academic experience that is fully aligned with the student's educational, personal, and professional goals.

Honors Designations

The University Honors Scholar program is designed for outstanding students who wish to fulfill a majority of their general education requirements through innovative interdisciplinary seminars.

Many academic departments allow students to participate in the Honors Program through the Discipline Honors Scholar program. This option is well suited for outstanding students who have completed many general education requirements and wish to focus on upper division Honors experiences in their majors.

Order of Ceremony

Welcome and Introductory Remarks
Dr. Shawn Bingham, Director

Land Acknowledgement
Dr. Anne Marie Merline, Master Instructor

Introductions and Acknowledgements
Dr. Shawn Bingham, Director

Ceremony Address
David McSwane

Student Address
Corey Simpson, Psychology major

Honors Program Overview
Dr. Shawn Bingham, Director

Conferring of University Honors Scholars
Dr. Alan Rudolph, Vice President for Research

Awarding Medallions
Dr. Shawn Bingham, Director
Dr. Alan Rudolph, Vice President for Research
Dr. Tom Siller, Vice Provost for
Undergraduate Affairs

Closing Remarks
Dr. Shawn Bingham, Director

Welcome to the Spring 2023 Honors Graduate Recognition Ceremony. Founded in 1957, the University Honors Program is in its 66th year. Starting with 15 students, the program has grown to nearly 1,800 students.

We recognize 320 students who have completed the requirements of the Honors program. Those students graduating as University Honors Scholars have completed 25-26 credits consisting of one of two curricula: five Honors seminars and two Honors courses in the major or two Honors seminars and 4-5 Honors courses in the major.

Sincerely,

Dr. Shawn Bingham, Director
Emily Morgan, Assistant Director

David McSwane, Ceremony Address

A 2010 CSU University Honors Program graduate, J. David McSwane is a reporter in ProPublica's DC office. Previously, he was an investigative reporter for *The Dallas Morning News* and the *Austin American-Statesman*. McSwane's reporting has spurred new laws, state and federal criminal investigations, and forced belt-tightening lawmakers to invest in social programs. He has won numerous awards, including Harvard's Goldsmith Prize for Investigative Reporting, the Worth Bingham Prize, a Scripps Howard Award, two Investigative Reporters and Editors Awards, and the Peabody. He is the author of the 2022 book "Pandemic, Inc." an expose that revealed how traders, contractors, and healthcare companies used one of the darkest moments in American history to fill their pockets.

Corey Simpson, Student Address

Corey is graduating Summa Cum Laude from our psychology and horticulture programs in the College of Natural Science and College of Agriculture. She has been a valued member of our community at CSU through her involvement in interdisciplinary research, supporting her fellow non-traditional peers by serving the Wolves to Rams community, and her efforts to represent CSU's heritage by forging a pathway of innovation dedicated to assisting our communities. Corey will be pursuing her PhD in clinical psychology.

HONORS STAFF

Dr. Shawn Bingham, Director
Emily Morgan, Assistant Director
Shivon Costin, Lead Honors Academic Coordinator
Melanie Nichols, Program Coordinator
Rachel Tate, Honors Advisor & Track 2 Coordinator
Lori Williams, Program Assistant
Kimberly Ross, Administrative Assistant

HONORS FACULTY, SPRING 2023

Christian Becker
Joseph Brown
Carl Burghardt
Gamze Cavdar
Hye Seung Chung
Lee Cooper
Stuart Cottrell
Ashley Davies
Tanya Dewey
Joanna Doxey
Andrea Duffy
Mary J Elkins
Kevin Foskin
Sonja Gedde
Frances Glycenfer
Aparna Gollapudi
Leah Holz
Alyson Huff
Zach Hutchins
Keith Jagers
Joon Kim

John Kitchens
Jen Krafchick
Carmen Lopez-Ramirez
Mitchell Macrae
Anne Marie Merline
Don Mykles
Dan Obluda
Carlos Olivo-Delgado
John Phippen
Jana Raadik-Cottrell
Justin Reeves
Anne Scott
Doug Sheflin
Abigail Shupe
Jose Suarez Garcia
Pam Vaughan Knaus
Nicole Vieira
Alyson Welker
Emily Wilson
Toni Zimmerman
Sarah Zwick-Tapley

Candidates for University Honors Scholar

Jillian Acosta, Biomedical Sciences major with Anatomy and Physiology concentration and Watershed Science major and Chemistry and Spanish minor

Thesis title: *Fluorescein-5-isothiocyanate Leakage Measured by Mean Intensity ROI used to Assess Effects of High Fat Diet and Stress Restraint on Female Mice in the Paraventricular Nucleus of the Hypothalamus*

Thesis adviser: Stuart Tobet, Biomedical Sciences

Brooke Aguilar, Zoology major and Chemistry minor

Thesis title: *Vet 101: An Introductory Course to Veterinary Medicine for Undergraduates*

Thesis adviser: Andrew West, CVMBS College Office

Micaela Allen, Journalism and Media Communication major and International Development minor

Thesis title: *Building & Shaping a Small Business in an Online Marketplace (Collaborative Thesis with Landry [McGee] Conrady)*

Thesis adviser: Daniela Castillo, Journalism and Media Communication

Marjorie Anast, Biomedical Engineering major and Chemical Biological Engineering major

Thesis title: *Sniftek 22-23*

Thesis adviser: Bert Vermeulen, Engineering, Dean's office

Cleome Anderson, Sociology major and Spanish minor

Thesis title: *Domestic Violence and Housing Instability Among Women in Community Corrections*

Thesis adviser: Tara Opsal, Sociology

Nicole Anderson, Chemistry major

Thesis title: *Healthcare Heroes*

Thesis adviser: Nicole Vieira, University Honors Program

Laurel Anderson, Biomedical Sciences major with Criminology and Criminal Justice concentration

Thesis title: *The Effects of Traditional Chinese Medicine on Sleep*

Thesis adviser: John Didier, History

Laura Antizzo, Biological Science major with Biological Science concentration

Thesis title: *Characterization of protein kinase C in the molting gland of two decapod crustaceans*

Thesis adviser: Donald Mykles, Biology

Kyle Arguello, Journalism and Media Communication and Music, Stage and Sports Production minor

Thesis title: *Game Knight Games Media Package*

Thesis adviser: Daniela Castillo, Journalism and Media Communication

Ashley Armstrong, Agricultural Business major and Equine Science major

Thesis title: *Understanding Equine Endocrinopathic Laminitis: A Review of Current Literature*

Thesis adviser: Tanja Hess, Animal Sciences

Jonathan Arnott, Business Administration major with Finance and Marketing concentrations and Marketing Communication and Branding certificate and Market Research and Data Analytics certificate

Thesis title: *ESG Ratings and Successful Businesses*

Thesis adviser: Garrett Schaller, Finance and Real Estate

Kathryn Atkins, Human Development and Family Studies major and Business Administration minor with Early Childhood Professions concentration and Entrepreneurship certificate and Pre-Health Professions concentration

Thesis title: *Leaping for Joy: The Social and Emotional Benefits of Creative Movement in Early Childhood Development*

Thesis adviser: Frances Glycenfer, University Honors Program

- Armando Avitia Fernandez**, Biochemistry major with Health and Medical Science concentration
Thesis title: *Optimization of Ubiquitin Sensor*
Thesis adviser: Tingting Yao, Biochemistry and Molecular Biology
- Andrew Banister**, Human Dimensions of Natural Resources major and Business Administration minor and Diversity and Inclusion in Natural Resources minor
Thesis title: *Urban Timber; A Truly Sustainable Resource?*
Thesis adviser: Brett Bruyere, Human Dimensions of Natural Resources
- Alyssa Banister**, Psychology major and Music minor with Clinical/Counseling Psychology concentration
Thesis title: *A Critique of Author Statements from "An Umbrella Review of the Role of Serotonin in Depression" (Moncrief et al., 2021)*
Thesis adviser: Tracy Richards, Psychology
- Annalise Basch**, Environmental Health major and Role of Sustainability In Peace And Reconciliation minor and Spanish minor and Food Science/Safety minor
Thesis title: *An Exploration of Community Environmental Health Needs in Colorado*
Thesis adviser: Maggie Clark, Environmental and Radiological Health Sciences
- Isaac Bast**, Health and Exercise Science major with Sports Medicine concentration
Thesis title: *Use Of Lumbar Markers To Assess Center Of Mass Kinematics In A Bilateral Stop Jump*
Thesis adviser: Raoul Reiser, Health and Exercise Science
- Megan Battleson**, Human Development and Family Studies major with Prevention and Intervention Sciences concentration
Thesis title: *Impact of Army Reserve Officers' Training Corps (ROTC) on College Adjustment*
Thesis adviser: Lilyana Ortega, Human Development and Family Studies
- Emilee Bauer**, Psychology major and Film Studies minor with Clinical/Counseling Psychology concentration
Thesis title: *Monsters of the Silver Screen: Serial Killer Films, Psychopathy, and Clinical Psychology*
Thesis adviser: Tracy Richards, Psychology
- Stosh Beeler**, Sociology major and Philosophy minor with General Sociology concentration
Thesis title: *Creating an avenue for a new age of transparent philanthropy*
Thesis adviser: Frances Glycenfer, University Honors Program
- Orion Benner**, Neuroscience major and Biomedical Sciences minor with Behavioral and Cognitive Neuroscience concentration
Thesis title: *A phenotypic characterization of autism-associated missense mutations in neuroligin-4X*
Thesis adviser: Soham Chanda, Biochemistry and Molecular Biology
- Grace Bernhart**, Business Administration major and Media Studies minor with Marketing concentration and Customer Experience Management certificate and Marketing Communication and Branding certificate
Thesis title: *The Impact of Sustainable Marketing in Clothing Companies on Consumer Perceptions of Sustainability and Trustworthiness*
Thesis adviser: Christopher Berry, Marketing
- Morgan Billow**, Zoology major and Role of Sustainability in Peace and Reconciliation minor
Thesis title: *The Portrayal of the Israeli-Palestinian conflict within American Media*
Thesis adviser: Gamze Cavdar, Political Science
- Jacob Blase**, Computer Science major and Mathematics minor with Computer Science concentration
Thesis title: *Song Creation: The Transformation of Ideas Into Audio*
Thesis adviser: Frances Glycenfer, University Honors Program

- Catarina Blouch**, Business Administration major and Statistics minor with Marketing concentration
Thesis title: *Using Rank Attribute Decision Making to Match Potential Undergraduate College Students with the Best Possible College*
Thesis adviser: Asad Aziz, Management
- Jayla Bode**, Neuroscience major and Biomedical Sciences minor and Chemistry minor with Behavioral and Cognitive Neuroscience concentration
Thesis title: *Evaluating the Neurocognitive Effects of Sports Related Concussion with the use of EEG*
Thesis adviser: Jaclyn Stephens, Occupational Therapy
- Madison Boekes**, Human Development and Family Studies major with Prevention and Intervention Sciences concentration
Thesis title: *The Reality of Relationships*
Thesis adviser: Ashley Harvey, Human Development and Family Studies
- Ashley Bollinger**, Health and Exercise Science major with Sports Medicine concentration
Thesis title: *Play for Life: The Importance of Physical Education*
Thesis adviser: Pam Vaughan Knaus, University Honors Program
- Taylor Bos**, Neuroscience major with Behavioral and Cognitive Neuroscience concentration
Thesis title: *A Post-Pandemic World: The Effects of COVID-19- Induced Factors on Mental Health*
Thesis adviser: Michael Thomas, Psychology
- Sarah Bowes**, Psychology major with General Psychology concentration
Thesis title: *Best Practice Mental Health Services for College Students*
Thesis adviser: Karla Gingerich, Psychology
- Audrey Bowman**, Biological Science major and Chemistry minor with Biological Science concentration
Thesis title: *Gavin the Glider: A Children's Book on Lesser-Known Marsupial Gliders*
Thesis adviser: Tanya Dewey, Biology
- Alison Brand**, Human Development and Family Studies major with Prevention and Intervention Sciences concentration
Thesis title: *The Gut Biome, Mental Health, and Cooking*
Thesis adviser: Katriana Popichak, Microbiology, Immunology and Pathology
- Emily Brandenburg**, History major and Legal Studies minor with General History concentration and Sociology major with Criminology and Criminal Justice concentration
Thesis title: *The Organized Victimization of Cheerleaders in the University Setting*
Thesis adviser: Tara Opsal, Sociology
- Ainsley Burch**, Mechanical Engineering major
Thesis title: *1. General Purpose Steam Turbine Pneumatic Trip Actuator*
Thesis adviser: Daniel Wise, Mechanical Engineering
- Samuel Burke**, Biomedical Engineering major and Mechanical Engineering major
Thesis title: *Bridging the Gap from Biotech Innovation to Business Ownership*
Thesis adviser: Seth Dillard, Mechanical Engineering
- Bo Burkhardt**, Theatre major and History major with General History concentration
Thesis title: *"Mary Magdalene Smokes a Joint" by Ben Jolivet Conceptual Design*
Thesis adviser: Roger Hanna, School of Music Theatre Dance
- Riley Burkhart**, History major and Anthropology minor with Digital and Public History concentration and English minor
Thesis title: *Oral History of Memorialization and Place at Columbine High School*
Thesis adviser: Leisl Carr Childers, History
- Zoe Burns**, Biomedical Sciences major and Microbiology minor and Chemistry minor
Thesis title: *Analysis of BVDV Infections in Pregnant Bovids and the Long-Lasting Effects of BVDV Infection During Gestation*
Thesis adviser: Thomas Hansen, Biomedical Sciences

Alisha Butki, Human Dimensions of Natural Resources major and Diversity and Inclusion in Natural Resources minor

Thesis title: *Environmental Justice Toolkit*

Thesis adviser: Jennifer Solomon, Human Dimensions of Natural Resources

Samantha Cahill, Health and Exercise Science major with Health Promotion concentration

Thesis title: *A Comprehensive Guide to Posture, Balance and Healthy Aging*

Thesis adviser: Kimberly Burke, Health and Exercise Science

Bailee Carr, Business Administration major with Accounting and Finance concentrations

Thesis title: *The Future of ESG Reporting: Impacts of Private Companies*

Thesis adviser: Christian Becker, Accounting

Logan Causey, Art major and Entrepreneurship and Innovation minor with Graphic Design and Photo Image Making concentrations

Thesis title: *The relationship between Jungian ideas and photographs.*

Thesis adviser: Gary Huibregtse, Art and Art History

Catherine Cavanagh, Business Administration major and Media Studies minor with Marketing concentration

Thesis title: *Stout Street Marketing Plan*

Thesis adviser: Gina Slejko, Marketing

Sera Cazares, Liberal Arts major and Legal Studies minor with Criminology and Criminal Justice concentration and Sociology major

Thesis title: *An interdisciplinary approach to the complexities of unregulated green crime.*

Thesis adviser: Cynthia Murillo, Liberal Arts, Dean's office

Cameron Cerefin, Biomedical Sciences major

Thesis title: *Put Your Health in Your Hands: Educational Resources on STIs*

Thesis adviser: Katriana Popichak, Microbiology, Immunology and Pathology

Autumn Charette, Psychology major and Chemistry minor with Mind, Brain and Behavior concentration

Thesis title: *Evaluating Patient Trust with Medical Diagnostic Artificial Intelligence*

Thesis adviser: Benjamin Clegg, Psychology

Nicholas Chastain, Chemical and Biological Engineering major and Mathematics minor and Entrepreneurship and Innovation minor and Chemistry minor

Thesis title: *Desulfurization of Anheuser-Busch Waste Ethanol*

Thesis adviser: Siu Hung Chan, Chemical Engineering

Katherine Chism, Chemistry major with ACS Certified concentration

Thesis title: *Removal of Photoredox Catalysts from Polymers Synthesized by Organocatalyzed Atom Transfer Radical Polymerization*

Thesis adviser: Garret Miyake, Chemistry

Katrina Clasen, Art major with Graphic Design concentration and English minor

Thesis title: *An investigation in student produced fine arts publications: Pursuing action towards building community and engaging scholarship*

Thesis adviser: Roberto Muntoreanu, Art and Art History

Grady Cole, Environmental Engineering major

Thesis title: *Bennett Creek Trout Passage*

Thesis adviser: Christopher Thornton, Civil Engineering

Sydney Collins, Biological Science major with Biological Science concentration

Thesis title: *Receptor Tyrosine Kinases and GEMs in the blackback land crab (*Gecarcinus lateralis*)*

Thesis adviser: Donald Mykles, Biology

Sienna Colonese, Neuroscience major and Chemistry minor with Behavioral and Cognitive Neuroscience concentration

Thesis title: *An Individualized Investigation of Multiple Sclerosis and Cognitive Dysfunction*

Thesis adviser: Carol Seger, Psychology

Erynn Cominsky, Psychology major and Legal Studies minor with General Psychology concentration
Thesis title: *The Legal and Psychological Intersection of False Memory and Eyewitness Misidentification*

Thesis adviser: Angelina Robinson, Liberal Arts, Dean's office

Claire Conkling, Environmental Health major and Food Science/Safety minor

Thesis title: *A Proposal for the Implementation of Food Safety into Hunters Education*

Thesis adviser: Luke Montrose, Environmental and Radiological Health Sciences

Landry Conrady, Art major with Graphic Design concentration and Business Administration minor

Thesis title: *Building & shaping a small business in an online marketplace (Collaborative Thesis with Micaela Allen)*

Thesis adviser: Daniela Castillo, Journalism and Media Communication

Harrison Cory, Sociology major and Legal Studies minor with Criminology and Criminal Justice concentration

Thesis title: *Recent Police Reforms and Their Efficacy: An Evidence-Based Literature Review*

Thesis adviser: Jeffrey Nowacki, Sociology

Ariana Crary, Neuroscience major with Behavioral and Cognitive Neuroscience concentration

Thesis title: *Associations Between Psychomotor and Balance Performance in Type 1 Diabetes*

Thesis adviser: Brett Fling, Health and Exercise Science

Aidan Cruz, Ecosystem Science and Sustainability major and Anthropology minor

Thesis title: *Land Cover Change in the Cañón Pintado National Historic Region over a 20-year period*

Thesis adviser: Jason La Belle, Anthropology and Geography

Sierra Curdts, Biomedical Engineering major and Chemical Biological Engineering major

Thesis title: *Blood Bag Heat Exchanger Design and Model*

Thesis adviser: Ellen Brennan-Pierce, Engineering, Dean's office

Weston Dall, Mechanical Engineering major

Thesis title: *Turbine Trip Valve Actuator*

Thesis adviser: Daniel Wise, Mechanical Engineering

Elita Danilyuk, Computer Science major with Software Engineering concentration

Thesis title: *PortfoliU Project: How an Open Source Repository of Personal Portfolio Websites can Benefit Computer Science Students*

Thesis adviser: Nathaniel Blanchard, Computer Science

Jessica Davied, Business Administration major with Marketing concentration

Thesis title: *Are You What You Eat? Do Consumer Characteristics Influence Approaches to Food Waste?*

Thesis adviser: Christopher Berry, Marketing

Katelyn Davis, Zoology major

Thesis title: *Competition in Veterinary Education and its Implications on Mental Health and Identity*

Thesis adviser: Pamela Kemp, CVMBS College Office

Audrey De Fries, Business Administration major with Accounting concentration

Thesis title: *The Tax Cuts and Job Act of 2017 and the Impacts on Foreign Mergers and Acquisitions*

Thesis adviser: James Stekelberg, Accounting

Jordan DeCrescentis, Computer Engineering major with Aerospace System concentration and Computer Science minor

Thesis title: *Improved Signal Manipulation for the Hearing Impaired*

Thesis adviser: Jie Luo, Electrical and Computer Engineering

Jarrett Deichman, Neuroscience major with Cell and Molecular Neuroscience concentration

Thesis title: *Understanding Central Nervous System Immunity: A Neuroimmunology Review*

Thesis adviser: Erika Szymanski, English

- Bridget DeKam**, Biomedical Sciences major with Ethics and Society certification
Thesis title: *How Roe v Wade Follows a Similar Trend Regarding Female Health in Government Legislation*
Thesis adviser: Kimberly Jeckel, Biomedical Sciences
- Taylor Del Duca**, Biomedical Sciences major
Thesis title: *Professor*
Thesis adviser: Jennie Willis Marko, Biology
- Isaiah Dennings**, Political Science major with Biomedical Sciences minor
Thesis title: *An Analysis of the International Regulation of Chemical Nerve Agents and Their Role in Contemporary State Craft*
Thesis adviser: Marni Berg, Political Science
- Malini Desai**, Biomedical Sciences major with Chemistry minor
Thesis title: *A Review of Necrotizing Enterocolitis: Symptoms, Possible Causes, and Treatments*
Thesis adviser: Russell Anthony, Biomedical Sciences
- Sara Dmytriw**, Biomedical Engineering major and Chemical and Biological Engineering major
Thesis title: *Blood Heat Exchanger with Terumo BCT*
Thesis adviser: Ellen Brennan-Pierce, Engineering, Dean's office
- Meghan Donaldson**, Microbiology major with Chemistry minor
Thesis title: *The Antiviral or Proviral Roles of Five RNA-binding Proteins Identified in Zika-infected Cells*
Thesis adviser: Jeffrey Wilusz, Microbiology, Immunology and Pathology
- Emily Donohoe**, Biomedical Sciences major with Chemistry minor
Thesis title: *Impact of Time-Restricted Eating during Circadian Misalignment on Interstitial and Blood Glucose Levels*
Thesis adviser: Josiane Broussard, Health and Exercise Science
- Michael Doolittle**, Neuroscience major with Cell and Molecular Neuroscience concentration and Biomedical Sciences minor
Thesis title: *HIV and FIV glycoproteins increase cellular tau pathology via cGMP-dependent kinase II activation*
Thesis adviser: Seonil Kim, Biomedical Sciences
- Grace Dotson**, Sociology major with Criminology and Criminal Justice concentration
Thesis title: *Injustices in the Justice System: Unequal Access to Law in the United States*
Thesis adviser: Michael Hogan, Sociology
- Madeleine Dreiling**, Business Administration major with Supply Chain Management concentration and International Business certificate
Thesis title: *Formal Proposal: Nearshoring and Offshoring Implications: Socially, Economically, Environmentally*
Thesis adviser: Zachary Rogers, Management
- Kelley Dungan**, Early Childhood Education major with English minor
Thesis title: *Digital Storytelling and Early Childhood Teacher Preparation as Critical Teacher Development*
Thesis adviser: Angela Lewis, School of Education
- Cherry Dzur**, Biochemistry major with Pre-Pharmacy Concentration
Thesis title: *An Exploration of Novel Pharmacological Targets in Schizophrenia: Beyond Psychosis and the Dopamine Doctrine*
Thesis adviser: Daniel Gustafson, Clinical Sciences
- Alexis Ehrlich**, Biomedical Sciences major
Thesis title: *Effect of Collagenase on Goblet Cells using an Intestinal Microfluidic Device*
Thesis adviser: Stuart Tobet, Biomedical Sciences
- Kelsey Eichelberger**, Mechanical Engineering major
Thesis title: *Senior Design" RUCK Moto Bikes*
Thesis adviser: Douglas Fankell, Mechanical Engineering

Anna Erickson, Sociology major with Environmental Sociology concentration and Communication Studies major

Thesis title: *The Lord of Fear and Trust: An Evaluation of Exodus and its Contribution to Wilderness Experience.*

Thesis adviser: Zachary Hutchins, English

Erith Evans, Biomedical Engineering major and Mechanical Engineering major with Chemistry minor

Thesis title: *Canine Exoskeleton for Rehabilitation*

Thesis adviser: Ellen Brennan-Pierce, Engineering, Dean's office

Aleyse Evers, Biomedical Sciences major

Thesis title: *Articulation of Canine Skeleton and Analysis of Hip Dysplasia as it is Connected to Anatomy and Mechanics of Coxofemoral Joint in Canines*

Thesis adviser: Christianne Magee, Biomedical Sciences

Maya Fairchild, Business Administration major with International Business and Marketing concentration

Thesis title: *Adventure Buddy: A year-round adventure app for outdoor enthusiasts.*

Thesis adviser: Elizabeth Strait, Marketing

Abigail Fennell, Biomedical Engineering major and Chemical and Biological Engineering major

Thesis title: *Microbiome of Culicoides sonorensis (biting midge)*

Thesis adviser: Bradley Borlee, Microbiology, Immunology and Pathology

Jonathan Ferry, Biomedical Sciences major with ASBMB concentration and Microbiology major and Biochemistry major and Molecular Biology, Chemistry, and Biomedical Engineering minors

Thesis title: *Classification of a Novel Flavivirus of South American Origin*

Thesis adviser: Nicholas Komar, Microbiology, Immunology and Pathology

Cole Fisher, English major with Literature concentration and Philosophy major with General Philosophy concentration and Film Studies minor

Thesis title: *An Investigation of male violence through cinematic voyeurism*

Thesis adviser: Usama Alshaibi, Communication Studies

Hannah Fody, Psychology major with General Psychology concentration and Spanish minor

Thesis title: *Cross-Cultural Stigma: Mental Health Should Not Be Lost in Translation*

Thesis adviser: Martha Amberg, Psychology

Jack Forman, Chemical and Biological Engineering major and Biomedical Engineering minor

Thesis title: *Scalable Manufacturing of Mesenchymal Stem Cells for Cartilage Regeneration*

Thesis adviser: Margarita Herrera-Alonso, Chemical Engineering

Zachary Fuller, Computer Science major with Artificial Intelligence and Machine Learning concentration

Thesis title: *An Experiment in Sentiment Analysis on Stock Market Predictors Using LSTM Networks.*

Thesis adviser: Sangmi Pallickara, Computer Science

Grace Gaddis, Business Administration major with Organization and Innovation Management and Marketing concentrations and Market Research and Data Analytics certificate and Entrepreneurship certificate

Thesis title: *New Venture Creation and Business Pitch: "Mountain Happy Craft Cocktails."*

Thesis adviser: Kipp Krukowski, Management

Griffin Ganz, Health and Exercise Science major and Physics minor with Sports Medicine concentration

Thesis title: *Clinical Biomechanics Laboratory Ground Reaction Force Research*

Thesis adviser: Raoul Reiser, Health and Exercise Science

Rachel Garrison, Art major with Painting concentration

Thesis title: *Observing Emotion: Painting the Intensity of Sports*

Thesis adviser: Aitor Lajarin-Encina, Art and Art History

Jenna Gaskin, Biomedical Sciences major

Thesis title: *Parkinson's and Music: An Investigation of Applied Musical Methods to Treat Parkinson's for Use by Physical Therapists*

Thesis adviser: Brett Fling, Health and Exercise Science

Charlize Geer, Microbiology major and Entomology and Spanish minors

Thesis title: *Fort Collins Butterfly Illustrations*

Thesis adviser: Crystal Cooke, Agricultural Biology

Jacob Geiger, Health and Exercise Science major and Biomedical Sciences minor with Sports Medicine concentration

Thesis title: *The relationships of mitochondrial oxidative stress, aging, and exercise*

Thesis adviser: Jennifer Richards, Health and Exercise Science

Ashley Geraets, Environmental Engineering major and Japanese minor

Thesis title: *An exploration of bedroom air quality in Fort Collins homes*

Thesis adviser: Ellison Carter, Civil Engineering

Elizabeth Gerstner, Political Science major with Global Politics and Policy concentration and Spanish and Political Communications minors

Thesis title: *U.S. Immigration Policies: Civil Law and Equality v. Criminal Law and Equity*

Thesis adviser: Andrea Purdy, Languages, Literatures and Cultures

Tobin Gold, History major with General History concentration and English minor

Thesis title: *"Liked Being a Lady—Loved Sin": Resistance and Identity in the Rescue Homes of Victorian London*

Thesis adviser: Ann Little, History

Sophia Gonzales, Biological Science major with Biological Science concentration and Spanish minor

Thesis title: *Abortion Healthcare: The Progress of Public Health and Providers on Serving U.S. People's Reproductive Healthcare Needs*

Thesis adviser: Jennifer Krafchick, Human Development and Family Studies

Hannah Grant, Zoology major and English minor

Thesis title: *The Benefits, Challenges, and Future of Animal Nonprofit Organizations*

Thesis adviser: Jennifer Neuwald, Biology

Brielle Greener, Zoology major

Thesis title: *Animals in Animation: Some Fact or All Fiction?*

Thesis adviser: Tanya Dewey, Biology

Kelly Griess, Biological Science major with Biological Science concentration and Spanish minor

Thesis title: *Superheroes Wear Lab Coats*

Thesis adviser: Kenneth Ivie Jr, Biomedical Sciences

Lindsey Gross, Business Administration major and Spanish minor with Marketing and Organization and Innovation Management concentrations and Leadership in Organizations certificate and Market Research and Data Analytics certificate

Thesis title: *Sustainable Social Media: Best Practices for a Safer World*

Thesis adviser: Kelly Martin, Marketing

Kiersten Haas, Fermentation Science and Technology major and Food Science/Safety and Business Administration minors

Thesis title: *Malt Mastery: An Exploration of the Malting Process & Understanding the Creation of a Malt COA*

Thesis adviser: Charlene Van Buiten, Food Science and Human Nutrition

Sawyer Halingstad, Biomedical Engineering major and Chemical and Biological Engineering major and Mathematics minor

Thesis title: *Single Cell Measurements and Discrete Stochastic Models to Quantify and Predict DUSP1 Gene Expression*

Thesis adviser: Brian Munsky, Chemical Engineering

Rachel Hall, Business Administration major and Entrepreneurship and Innovation minor with Organization and Innovation Management concentration with Business-to-Business Selling certificate

Thesis title: *Market Research and Development: A New Venture for the Soccer Community*

Thesis adviser: John Mitchell, Management

Sabrina Hall, Fish, Wildlife and Conservation Biology major and Japanese minor with Wildlife Biology concentration

Thesis title: *Cuisine Across Cultures: How Diet and Culture Impacts Conservation*

Thesis adviser: Nicole Vieira, University Honors Program

Brian Hallstrom, Zoology major

Thesis title: *How Different Generations View and Prioritize Wildlife and Environmental Sustainability Differently*

Thesis adviser: Nicole Vieira, University Honors Program

Alexandra Hanson-Caldwell, English major and Information Science and Technology minor with Literature concentration

Thesis title: *Across the Pond: An Exploration of the Split of the English Canon between America and England*

Thesis adviser: Aparna Gollapudi, English

Grace Harbo, Human Development and Family Studies major with Early Childhood Professions concentration and Prevention and Intervention Science concentration

Thesis title: *Implementing Mindfulness-Based Practices in Early Childhood Education*

Thesis adviser: Rachel Graham, Human Development and Family Studies

Lauren Hatch, Fish, Wildlife and Conservation Biology major and Geospatial Information Science for Natural Resources minor with Wildlife Biology concentration

Thesis title: *Improving Survey Site Selection for the Rusty Patched Bumble Bee (*Bombus affinis*), a Federally Endangered Species*

Thesis adviser: Elizabeth Tulanowski, Ecosystem Science and Sustainability

Emma Haugen, Fish, Wildlife and Conservation Biology major with Wildlife Biology concentration

Thesis title: *Is Management of Recovered Hawaiian Monk Seal (*Neomonachus schauinslandi*) Populations in the Presence of Humans Possible?*

Thesis adviser: Shane Kanatous, Biology

David Hayes, English major and English Education concentration

Thesis title: *Jingo: A Collection of Poetry on the American Underside*

Thesis adviser: Dan Beachy-Quick, English

Caden Hebert, Business Administration major with Marketing concentration and Marketing Communications and Branding certificate

Thesis title: *Marketing a New Learn to Ride Process to Parents Not Involved in Biking Culture*

Thesis adviser: Christopher Blocker, Marketing

Erica Heistand, Neuroscience major with Behavioral and Cognitive Neuroscience concentration

Thesis title: *Evidence for the Efficacy of Sensory Integration Therapy for Individuals with Autism*

Thesis adviser: Susan Hepburn, Human Development and Family Studies

Hailea Henry, Environmental Engineering major

Thesis title: *Larimer County Canal Flume Design and Sediment Trap Design*

Thesis adviser: Timothy Gates, Civil Engineering

Jamie Henry, Biomedical Sciences major and Spanish minor

Thesis title: *Diffusion tensor-based analysis of white matter tracts in aging canine brain compared to canine cognitive dysfunction brain*

Thesis adviser: Stephanie McGrath, Clinical Sciences

Lauren Hesse, Animal Science major

Thesis title: *TBD*

Thesis adviser: Steven Weiss, Journalism and Media Communication

Alexander Hey, Zoology major with Wildlife Biology concentration and Fish, Wildlife and Conservation Biology major

Thesis title: *Noise Pollution in a Developing World*

Thesis adviser: George Wittemyer, Fish, Wildlife and Conservation Biology

Zeya Highley, Journalism and Media Communication major and Music, Stage and Sports Production minor

Thesis title: *Cooking a Burger Fully (And I Mean Fully) From Scratch*

Thesis adviser: Steven Weiss, Journalism and Media Communication

Kyle Hill, Biomedical Sciences major

Thesis title: *Manipulation of B-Cells Using CRISPR-Cas9 as a Novel Therapy for Myasthenia Gravis*

Thesis adviser: Katriana Popichak, Microbiology, Immunology and Pathology

Grace Hiner, Psychology major and Anthropology minor with General Psychology concentration

Thesis title: *Psychosomatic Eating Behaviors*

Thesis adviser: Sara Garvey, Psychology

Mckenna Hogan, Statistics major with General Statistics concentration and Business Administration and Mathematics minors

Thesis title: *Understanding Alcohol Use Disorder: An Analysis of Risk Factors for Adolescents and Young Adults*

Thesis adviser: Nathaniel Riggs, Human Development and Family Studies

Henley Holland, Equine Science major

Thesis title: *Review of Current Literature in Small Animal Nutrition Trends*

Thesis adviser: Camille Torres-Henderson, Clinical Sciences

Cameron Holmes, Electrical Engineering major with Lasers and Optical Engineering concentration

Thesis title: *Development of a High Average Power Laser*

Thesis adviser: Jorge Rocca, Electrical and Computer Engineering

Samantha Homan, Art major with Painting concentration and Merchandising minor

Thesis title: *Earth and Art: An Exploration of Sustainable Art Practices*

Thesis adviser: Aitor Lajarin-Encina, Art and Art History

Keegan Hughes, Mechanical Engineering major

Thesis title: *FSAE Chassis/Aero*

Thesis adviser: Christopher Weinberger, Mechanical Engineering

Avery Hunter, Zoology major

Thesis title: *Identifying E78 and Chinmo in the ecdysone cascade in *Gecarcinus lateralis**.

Thesis adviser: Donald Mykles, Biology

Cody Hyman Colon, Mechanical Engineering major with Aerospace Engineering concentration

Thesis title: *FSAE Chassis/Aero*

Thesis adviser: Christopher Weinberger, Mechanical Engineering

Anna-Noel Imbriaco, Dance major and Music, Stage, and Sports Production minor

Thesis title: *Lord Ullin's Daughter: An Exploration of Storytelling Across Time, Medium, and the Human Experience*

Thesis adviser: Julia Cooper-Pelkey, School of Music Theatre Dance

Gregory James, Biomedical Sciences major and Music, Stage, and Sports Production minor

Thesis title: *"Why should I care?": A look at how individuals engage with media about conservation issues*

Thesis adviser: Lori Kogan, Clinical Sciences

David Jensen, Biomedical Sciences major

Thesis title: *Out of Hospital Sudden Cardiopulmonary Arrest and Resuscitation: A Review of Methods, Technologies, and Outcomes*

Thesis adviser: Ryan Maresh, Biomedical Sciences

Jack Jenson, Biomedical Sciences major

Thesis title: *Mitochondrial and Metabolic Effects of Glucocorticoid Use in High Altitude Hypoxia Conditions*

Thesis adviser: Adam Chicco, Biomedical Sciences

Brycen Jones, Mechanical Engineering major with Aerospace Engineering concentration

Thesis title: *Compliant Bistable Mechanisms for Aerial Perching and Grasping with Drones*

Thesis adviser: Jianguo Zhao, Mechanical Engineering

Brayden Jonswold, Biomedical Engineering major and Mechanical Engineering major

Thesis title: *In-House Manufacturing Method for Prosthetic Feet*

Thesis adviser: James Tillotson, Mechanical Engineering

Elana Kadish, Biomedical Engineering major and Mechanical Engineering major and Mathematics minor

Thesis title: *Development of a Low-Cost Diagnostic Device for RNA-Based Viruses from a Cell Free Reaction*

Thesis adviser: Christie Peebles, Chemical Engineering

Sreeya Kairamkonda, Biomedical Sciences major with Anatomy and Physiology concentration

Thesis title: *Role of Mrc1 and its regulation in DNA replication*

Thesis adviser: Grant Schauer, Biochemistry and Molecular Biology

Emily Kaplan, Biomedical Engineering major and Chemical and Biological Engineering major

Thesis title: *Scalable Manufacturing of Mesenchymal Stem Cells for Cartilage Regeneration*

Thesis adviser: Soham Ghosh, Mechanical Engineering

Jack Kearny, Environmental Engineering major

Thesis title: *Larimer County Canal Rehabilitation*

Thesis adviser: Pinar Omur-Ozbek, Civil Engineering

Amy Keisling, Biomedical Engineering major and Mechanical Engineering major and Music minor

Thesis title: *Custom Upper Protheses for Independent Eating*

Thesis adviser: Samuel Bechara, Mechanical Engineering

Kathryn Kennedy, Music major with Music Education concentration and History minor

Thesis title: *CSU Marching Band Alumni Survey: Building a Historical Timeline of the CSUMB*

Thesis adviser: James Taylor, School of Music Theatre Dance

Melissa Kirwan, Biomedical Sciences major

Thesis title: *Antimicrobial Resistance in Veterinary Medicine: Trends among companion animals and possible approaches*

Thesis adviser: Martha Mehaffy, Microbiology, Immunology and Pathology

Clay Kleespies, Computer Science major with Computer Science concentration and Business Administration minor

Thesis title: *Computer Science Poetry Tutorial*

Thesis adviser: John Kitchens, University Honors Program

Justyn Knapp, Biomedical Engineering major and Mechanical Engineering major

Thesis title: *Self-Cleaning Laparoscope*

Thesis adviser: Ellen Brennan-Pierce, Engineering, Dean's office

Aidan Knaus, Economics major and Political Science major and Spanish and Leadership Studies minors

Thesis title: *Behavioral Economics and the Colorado Community Corrections System*

Thesis adviser: Alexandra Bernasek, Economics

Kalia Kodrich Saavedra, Biological Science major with Biological Science concentration

Thesis title: *The Role of MutS2 genes in Arabidopsis Thaliana*

Thesis adviser: Amanda Broz, Biology

Rachelle Koly, Civil Engineering major

Thesis title: *CSU TMI Building Design*

Thesis adviser: Christopher Thornton, Civil Engineering

Kalyn Kosmiski, Chemical and Biological Engineering major and Mathematics and Chemistry minors

Thesis title: *The Murk in Microbiomes: Uncovering Assumptions Made in Microbiome Studies*

Thesis adviser: Erika Szymanski, English

Claire Kraus, Psychology major with General Psychology concentration and Criminology/Criminal Justice minor

Thesis title: *Infiltrating the "Boys Club:" Identifying the Structural Barriers that Impact Female Representation in Policing*

Thesis adviser: Jeffrey Nowacki, Sociology

Maria Krivoruk, Biomedical Sciences major and Chemistry and Russian Studies minors

Thesis title: *Virtual Reality and the Brain: An Interactive Investigation of the Cranial Nerves Through VR*

Thesis adviser: Tod Clapp, Biomedical Sciences

Allison Kuehn, Neuroscience major with Behavioral and Cognitive Neuroscience concentration

Thesis title: *The Neural Underpinnings of Psychological Resiliency*

Thesis adviser: Katherine Hebert, Psychology

Laurel Ladzinski, Theatre major with Design and Technology concentration and Music and Creative Writing minors

Thesis title: *Interacting with Theatre through a Different Light*

Thesis adviser: Price Johnston, School of Music, Theatre, and Dance

Jessica Lalone, Biomedical Sciences major and Spanish minor

Thesis title: *Therapeutic/Adaptive Riding with Diverse Clients, Assessing the Feasibility of Implementing Assessments, Acceptability to Stakeholders and the Effectiveness of the Program*

Thesis adviser: Brittany Peters, Animal Sciences

Connor Lammel, Business Administration major with Marketing and Organization and Innovation Management concentrations and Leadership Studies minor and Market Research and Data Analytics and Entrepreneurship certificates

Thesis title: *Rogue Traveler Brewing Company Business Plan*

Thesis adviser: Christopher Berry, Marketing

Bailey Latka, Chemical and Biological Engineering major and Languages, Literatures and Cultures major with Spanish concentration

Thesis title: *The Upscaling Process of Metakaryote Cell Line*

Thesis adviser: Minerva Piffarerio, Chemical Engineering

Lucy Latta, Biological Science major with Biological Science concentration and Spanish minor

Thesis title: *Deoxyuracil Repair Mechanisms Within the Hyperthermophilic Archaeon *Thermococcus kodakarensis**

Thesis adviser: Thomas Santangelo, Biochemistry and Molecular Biology

Veronica Lazar, Journalism and Media Communication major and Dance major

Thesis title: *The Art of Creating Horror*

Thesis adviser: Grace Gallagher, School of Music, Theatre, and Dance

Keilly Leon, Political Science major with U.S. Government, Law and Policy concentration and Legal Studies and Latin American and Caribbean Studies minors

Thesis title: *A Divided America: Mixed Status Families and the Legal Paradox Existing Within Our Immigration System*

Thesis adviser: Joon Kim, Ethnic Studies

Jacob Lerner, Mechanical Engineering major

Thesis title: *Pilot Fuel Synthesis for Large Marine Engines*

Thesis adviser: Bret Windom, Mechanical Engineering

Dana Lervick, Health and Exercise Science major with Sports Medicine concentration

Thesis title: *Smartphone Instrumented Clinical Test of Sensory Integration and Balance for Use in Remote Clinical Applications*

Thesis adviser: Brian Tracy, Health and Exercise Science

- Tammy Li**, Business Administration major with Human Resource Management concentration
Thesis title: *How Companies Can Build a Diverse and Inclusive Workforce by Hiring Individuals with a Criminal Record*
Thesis adviser: Christine Henle, Management
- Jessica Liddicoat**, Biomedical Sciences major and American Sign Language minor and Youth Mentoring with Campus Connect certificate
Thesis title: *Ascending and Descending Tracts in the Nervous System via Virtual Reality*
Thesis adviser: Tod Clapp, Biomedical Sciences
- Megan Lie**, Biomedical Sciences major with Anatomy and Physiology and Chemistry minor
Thesis title: *Client Centered Communication for End-of-Life Issues in the Veterinary Field*
Thesis adviser: Lori Kogan, Clinical Sciences
- Riley Limbaugh**, History major with General History concentration and Anthropology major with Archaeology concentration
Thesis title: *Rediscovering a Resting Place; Using Geophysics to Find and Outline the Fort Sedgwick Post Cemetery*
Thesis adviser: Edward Henry, Anthropology and Geography
- Grace Linscott**, Biological Science major with Biological Science concentration
Thesis title: *Helping Those Who Help Others: Improving the Mental Health of Lab Animal Care Workers*
Thesis adviser: Lori Kogan, Clinical Sciences
- Zoe Lipscomb**, Ecosystem Science and Sustainability major
Thesis title: *The Bud Bank Response of Two Cold Season Perennials to Drought*
Thesis adviser: Seton Bachle, Forest Rnglnd Stwdshp
- Dax Littleton**, Economics major and Business Administration and Environmental and Natural Resource Economics minors and Music Business and Business-to-Business Selling certificates
Thesis title: *To Host or Not to Host: The Economic Impacts of the Olympic Games*
Thesis adviser: D Todd Donovan, Marketing
- Anna Longsdorf**, Biological Science major with Biological Science concentration and Chemistry minor
Thesis title: *Case-Based Learning as a Tool to Teach Fourth Grade Students Human Anatomy Concepts using Pneumothorax as a Case Study*
Thesis adviser: Carolyn Meyer, Biomedical Sciences
- Delaney Lord**, Biomedical Sciences major
Thesis title: *Understanding Equine Asthma, its Treatment, and its Management*
Thesis adviser: Anna Bracken, Clinical Sciences
- Mackenzie Lorenzen**, Early Childhood Education major
Thesis title: *Trauma-Informed Practices for Early Childhood Educators*
Thesis adviser: Angela Lewis, School of Education
- Mackenzie Lucas**, Chemical and Biological Engineering major
Thesis title: *Exploring the Synthesis and Manufacturing of Artificial Blood*
Thesis adviser: Kenneth Reardon, Chemical Engineering
- Christina Lucas**, Fish, Wildlife and Conservation Biology major with Wildlife Biology concentration
Thesis title: *Evaluating Marine Taxonomic Diversity, Functional Diversity, and Functional Redundancy of Cartilaginous Fishes through Marxan: A Spatial and Socioeconomic Comparison.*
Thesis adviser: Liba Goldstein, Fish, Wildlife and Conservation Biology
- John Luebbers**, Mechanical Engineering major
Thesis title: *Design of a Toroidal Pump Test Stand with Obermeyer Hydro, Inc.*
Thesis adviser: Seth Dillard, Mechanical Engineering
- Emma Lukinic**, Neuroscience major with Behavioral and Cognitive Neuroscience concentration and Chemistry and Biomedical Sciences minors
Thesis title: *Prefrontal projections to the ventrolateral medulla: implications for female metabolic regulation*
Thesis adviser: Brent Myers, Biomedical Sciences

Liza Stefani Lunina, Nutrition and Food Science major with Dietetics and Nutrition Management concentration

Thesis title: *Designing and Implementing a Cooking Class with Nutrition Education for Female Collegiate Swimmers*

Thesis adviser: Brittney Sly, Food Science and Human Nutrition

Aidan Lyde, Political Science major with Environmental Politics and Policy concentration and International Studies major with Global Studies concentration

Thesis title: *Binational Water Augmentation Options in the Lower Colorado River Basin*

Thesis adviser: Stephen Mumme, Political Science

Marin MacDonald, Watershed Science major and Geospatial Information Science for Natural Resources minor

Thesis title: *Forest Fire Influences on Snowpack Timing*

Thesis adviser: Steven Fassnacht, Ecosystem Science and Sustainability

Veronika Makowski, Environmental Engineering major

Thesis title: *Total Phosphorus Removal CMCMD Wastewater Treatment Plant*

Thesis adviser: Pinar Omur-Ozbek, Civil Engineering

Evan Malloy, Environmental Engineering major

Thesis title: *Reintroducing the Greenback Cutthroat Trout to North Joe Wright Creek*

Thesis adviser: Ryan Morrison, Civil Engineering

Patricia Maloney, Chemistry major with ACS Certified concentration

Thesis title: *Color Retention Methods in Grape Concentrate*

Thesis adviser: Anna Allen, Chemistry

Trenton Marbois, Psychology major with Industrial/Organizational Psychology concentration

Thesis title: *Housing Paraprofessional Staff Training Analysis*

Thesis adviser: Alyssa Gibbons, Psychology

Lauren Maresh, Social Work major

Thesis title: *Queering Social Work: An Examination of Queer-Affirming Care*

Thesis adviser: Jordan Brooks, Health Network Counseling

Ryan Marquart, Data Science major with Mathematics concentration

Thesis title: *An analysis of the importance of defensive statistics in the NFL*

Thesis adviser: Aaron Nielsen, Statistics

Erin Martinez, Civil Engineering major

Thesis title: *Fort Collins Heated Bike Lane Project*

Thesis adviser: Thomas Siller, Civil Engineering

Ella Martinez, Statistics major and Economics major and Mathematics minor

Thesis title: *What Are the Kids Listening to These Days? Predicting Song Popularity with Machine Learning*

Thesis adviser: Aaron Nielsen, Statistics

Riley Massiha, Zoology major

Thesis title: *Opinions on Conservation of Herpetofauna Before and After an Educational Presentation*

Thesis adviser: Rachel Mueller, Biology

Rachel Masters, Computer Science major with Computer Science concentration and Business Administration minor and Entrepreneurship certificate

Thesis title: *Virtual Reality and Addiction Recovery*

Thesis adviser: Francisco Ortega, Computer Science

Abigail Mathis, Biomedical Sciences major and Spanish minor and Spanish for Animal Health Care certificate

Thesis title: *Quiero Ser Veterinario: The Intersection of Veterinary Medicine and Education*

Thesis adviser: Andrea Purdy, Languages, Literatures and Cultures

Elena Mattson, Political Science major with Environmental Politics and Policy concentration and International Development minor

Thesis title: *A Literature Review: Repairing the Traditional Western Pedagogy & Edification by Integrating Culture, Diversity & Nature as Proposed by a Selection of Female Authors*

Thesis adviser: Maria Lopez-Cabrales, Languages, Literatures and Cultures

Katherine Matzke, Biological Science major with Biological Science concentration and Chemistry and Spanish minors

Thesis title: *Let's Talk About Sex, Baby!*

Thesis adviser: Jennifer Reinke, Human Development and Family Studies

Sophie May, Health and Exercise Science major with Health Promotion concentration and Spanish minor

Thesis title: *How Exercise Improves the Lives of Individuals with Intellectual Disabilities.*

Thesis adviser: Katherine Hutcheson, Health and Exercise Science

Elliot McCormick, Electrical Engineering major with Electrical Engineering concentration

Thesis title: *MRI Scanners*

Thesis adviser: Branislav Notaros, Electrical and Computer Engineering

Joshua Mcmartin, Civil Engineering major

Thesis title: *ASCE Concrete Canoe Design, Construction and Competition*

Thesis adviser: Daniela Castillo, Journalism and Media Communication

Michaela McNabb, Zoology major

Thesis title: *An analysis of the relationship between sylvatic plague and burrowing owl dispersion*

Thesis adviser: Michael Antolin, Biology

Elise Meade, Mathematics major with General Mathematics concentration and Chemistry minor

Thesis title: *The Development of a Mathematical Model for Multiple Component Thin Layer Chromatography in Anthocyanin Chemistry*

Thesis adviser: Patrick Shipman, Mathematics

Nicole Miller, Mathematics major with General Mathematics concentration and Machine Learning minor

Thesis title: *Arts, Crafts, and Topology*

Thesis adviser: Janet Oien, Mathematics

Brayden Minney, Construction Management major

Thesis title: *Sustainable Construction Practices*

Thesis adviser: Mohammed Mehany, Construction Management

Lars Mitchel, Mechanical Engineering major

Thesis title: *Solid Oxide Fuel Cell Integrated with an Internal Combustion Engine for Power Generation*

Thesis adviser: Todd Bandhauer, Mechanical Engineering

Naser Moin, Computer Engineering major and Computer Science minor

Thesis title: *GoKart Senior Design ProjectO*

Thesis adviser: Olivera Notaros, Electrical and Computer Engineering

Lia Moon, Neuroscience major with Cell and Molecular Neuroscience concentration and Japanese minor

Thesis title: *Food for the Mind and Body*

Thesis adviser: Tiffany Weir, Food Science and Human Nutrition

Alexa Morgen, Biomedical Engineering major and Chemical and Biological Engineering major

Thesis title: *Neonatal Oxygen Measurement and Adjustment Device*

Thesis adviser: Ellen Brennan-Pierce, Engineering, Dean's office

Mia Morones, Environmental and Natural Resource Economics major and Spanish and Agricultural Business and Sustainable Water Studies minors

Thesis title: *Social Barriers and Diffusion Rate of Implementation and Adoption of Sustainable Irrigation Practices in Colorado Agriculture*

Thesis adviser: Daniel Mooney, Agriculture and Resource Economics

- Sabrina Moskoe**, Art major with Electronic art concentration and Spanish minor
Thesis title: *Color: A Conceptual Investigation through Art and Physics*
Thesis adviser: David Riep, Art and Art History
- Isaac Mount**, Natural Sciences major with Physical Science concentration and Computer Science and Mathematics minors
Thesis title: *The Significance of Apprentice-Level Wargaming*
Thesis adviser: James Fielder, Political Science
- Gabriel Murdock**, Business Administration major with Accounting concentration
Thesis title: *An Analysis of Alternative Accounting Treatments for Cryptocurrency Holdings*
Thesis adviser: Derek Johnston, Accounting
- Clarisse Nadeau**, Biomedical Sciences major and Chemistry and Spanish minors and Spanish for Animal Health Care certificate
Thesis title: *The Evolution of the Impact of Horses on Societies of Western Civilizations Throughout Time*
Thesis adviser: Christianne Magee, Biomedical Sciences
- Ellen Napolitano**, Human Development and Family Studies major with Prevention and Intervention concentration and Gerontology minor
Thesis title: *How Universities Perpetuate Systems of Rape Culture, Secondary Victimization, and Institutional Betrayal*
Thesis adviser: Anne Scott, University Honors Program
- Madison Neighbors**, Psychology major with General Psychology concentration
Thesis title: *Commentary on the introduction of pedophilic disorder in the DSM*
Thesis adviser: Martha Amberg, Psychology
- Julia Newcomb**, Biological Science major with Biological Science concentration
Thesis title: *Characterization of Biogenic Amine Receptors in the Y-Organ of *G. lateralis* and *C. maenas**
Thesis adviser: Donald Mykles, Biology
- Tyler Nickle**, Psychology major with Industrial/Organizational Psychology concentration
Thesis title: *Benefits, Motives, and Advice Regarding Special Olympics Volunteering*
Thesis adviser: Sarah Zwick-Tapley, University Honors Program
- Alison O'Dell**, Biological Science major with Biological Science concentration and Biomedical Sciences minor
Thesis title: *Examining EMDR Methods & Comparing Them in Practice*
Thesis adviser: Ashley Harvey, Human Development and Family Studies
- Hunter Ogg**, Biochemistry major with ASBMB concentration and Data Science major with Computer Science concentration and Chemistry minor
Thesis title: *Comparison of scFv and Nanobody Tags for Tracking In-Vivo Translation*
Thesis adviser: Timothy Stasevich, Biochemistry and Molecular Biology
- Kaizen Oudom**, Health and Exercise Science major with Sports Medicine concentration
Thesis title: *How does the rise of quadruple jumps in women's figure skating and consequential training techniques affect the bodies of young female figure skaters?*
Thesis adviser: Brian Butki, Health and Exercise Science
- Gabriell Papp**, Microbiology major and Women's Studies minor
Thesis title: *Quantify the Frequency and Determine the Genetic Basis of Antimicrobial Drug Resistance in virulent *Mycobacterium tuberculosis**
Thesis adviser: Gregory Robertson, Microbiology, Immunology and Pathology
- Claire Paschke**, Environmental Engineering major
Thesis title: *Bear Proof Composting Facility at Colorado State Mountain Campus*
Thesis adviser: Pinar Omur-Ozbek, Civil Engineering

Jessie Pavek, Biological Science major with Biological Science concentration and Conservation Biology minor

Thesis title: *The Crawdad*

Thesis adviser: Ann Randall, Fish, Wildlife and Conservation Biology

Amelie Peccoud, Music major with French minor

Thesis title: *From Fairytales to Ghosts: A Musical Odyssey*

Thesis adviser: Abigail Shupe, School of Music, Theatre, and Dance

Annelise Pelletier, Biochemistry major with ASBMB concentration

Thesis title: *Genetically Modified Organisms in Agriculture: Beneficial or Detrimental and Possible Alternatives*

Thesis adviser: Olve Peersen, Biochemistry and Molecular Biology

Ashlynn Piowarczyk, Ecosystem Science and Sustainability major and Ecological Restoration and Conservation Biology minors

Thesis title: *Understanding Factors Impacting Seedling Success Rates During Post-Fire Forest Regeneration at the CSU Mountain Campus*

Thesis adviser: Camille Stevens-Rumann, Forest and Rangeland Stewardship

Alexandria Polich, Biological Science major with Biological Science concentration and Chemistry minor

Thesis title: *Genetic analysis of museum samples reveals historical range shift in a neotropical migrant*

Thesis adviser: Kristen Ruegg, Biology

Jacob Pollard, Mechanical Engineering major

Thesis title: *Ruck EBikes*

Thesis adviser: Douglas Fankell, Mechanical Engineering

Wesley Poole, Forest and Rangeland Stewardship major with Forest Management and Forest Fire Science concentrations and Geospatial Information Science for Natural Resources minor

Thesis title: *UAS Stand Inventory Analysis Tool*

Thesis adviser: Wade Tinkham, Forest and Rangeland Stewardship

Dixie Posey, Animal Science major

Thesis title: *Effects of Animal Agriculture on Environmental Sustainability*

Thesis adviser: Nicole Vieira, University Honors Program

Anastasia Potzer, English major with Literature concentration and Legal Studies minor

Thesis title: *Interpersonal Violence and Sexual Assault and its Effect on the Female Characters in Pamela, Jane Eyre, and Crimson Peak*

Thesis adviser: Aparna Gollapudi, English

Jaden Price, English major with Literature concentration and Leadership studies minor

Thesis title: *The Origins of a Sexist Constitution*

Thesis adviser: Aparna Gollapudi, English

Jonathan Price, Biological Science major with Biological Science concentration

Thesis title: *Data Privacy in the Age of the Internet*

Thesis adviser: John Kitchens, University Honors Program

Madeline Pringle, Animal Science major and Military Science minor

Thesis title: *Darn Tootin' and Straight Shootin': A Reserve Officers' Training Corps Manual for Field instruction and Firearms Fundamentals*

Thesis adviser: Pam Vaughan Knaus, University Honors Program

Rachel Priola, Health and Exercise Science major with Sports Medicine concentration

Thesis title: *Feeding The Future: Combatting the Increasing Prevalence of Childhood Obesity*

Thesis adviser: Brian Butki, Health and Exercise Science

Lahrs Quinlan, Fish, Wildlife and Conservation Biology major with Wildlife Biology concentration and Spanish minor

Thesis title: *Activity Patterns of Nectar Feeding Bat Species in Northern Mexico*

Thesis adviser: Tanya Dewey, Biology

Emma Raisley, Biomedical Engineering major and Chemical and Biological Engineering major

Thesis title: *Transmission properties of North American sheep scrapie prions in transgenic cervid mouse models*

Thesis adviser: Glenn Telling, Microbiology, Immunology and Pathology

Brianna Ramirez Rubio, Microbiology major

Thesis title: *Investigating passive maternal immunity's effect on the immunogenicity of a recombinant Lactobacillus acidophilus rotavirus vaccine through total IgG and IgM production*

Thesis adviser: Gregg Dean, Microbiology, Immunology and Pathology

Kyle Raney, Biological Science major with Biological Science concentration

Thesis title: *Characterization of Catalase and its Role in Molting in G. lateralis and C. maenas*

Thesis adviser: Donald Mykles, Biology

Rachel Rattan, Psychology major with General Psychology concentration and American Sign Language minor

Thesis title: *The Neuroscience of Grief*

Thesis adviser: Ashley Harvey, Human Development and Family Studies

Astrid Reber, Biomedical Sciences major with Anatomy and Physiology concentration and Chemistry minor

Thesis title: *Explorations into Epilepsy and its Effects on the Da7 Nicotinic Acetylcholine Receptor*

Thesis adviser: Susan Tsunoda, Biomedical Sciences

Jasalyn Reyes, Civil Engineering major

Thesis title: *CSU TMI Building Design*

Thesis adviser: Christopher Thornton, Civil Engineering

Danielle Riley, Biochemistry major with ASBMB concentration

Thesis title: *Investigating the Specificity of the Three Ferredoxins to the Membrane-Bound Hydrogenase Complex in the Hyperthermophilic Archaeon Thermococcus kodakarensis*

Thesis adviser: Thomas Santangelo, Biochemistry and Molecular Biology

Kylee Rinker, Environmental Health major

Thesis title: *Where's our Water?*

Thesis adviser: Matthew Moulton, School of Education

Marissa Rocanova, Biological Science major with Biological Science concentration and Chemistry minor

Thesis title: *The Sticky Web of Prescription Drug Abuse*

Thesis adviser: Meena Balgopal, Biology

Cheryl Rodriguez-Marshall, Biomedical Sciences major and Languages, Lits and Cultures major with Spanish concentration and Chemistry and Leadership Studies minors

Thesis title: *TBD*

Thesis adviser: TBD, TBD

Krista Roerty, Mechanical Engineering major

Thesis title: *General Purpose Turbine Pneumatic Safety Trip Actuator*

Thesis adviser: Daniel Wise, Mechanical Engineering

Megan Rosser, Fish, Wildlife & Conservation Biology major with Conservation Biology concentration

Thesis title: *As above so below? A comparison of arthropod communities in green roof and ground-level plots*

Thesis adviser: Crystal Cooke, Agricultural Biology

- Rebecca Rugg**, Ecosystem Science and Sustainability major and Watershed Science and Spanish minors
Thesis title: *Exploring Scientific Disagreement Surrounding Water Quality in High Alpine Lakes using Chlorophyll A and Remote Sensing*
Thesis adviser: Matthew Ross, Ecosystem Science and Sustainability
- Kirk Russell**, Mechanical Engineering major
Thesis title: *Ruck E-Moto (Electric Bikes)*
Thesis adviser: Douglas Fankell, Mechanical Engineering
- Piper Russell**, Journalism and Media Communications major and Languages, Literature and Cultures major with Spanish concentration
Thesis title: *What happens when there is no news? The change in local journalism*
Thesis adviser: Kimberly Spencer, Journalism and Media Communication
- Andrea Russell**, Biomedical Sciences major and Microbiology minor
Thesis title: *Cognitive and Emotional Health Trajectories of Older Adults Transitioning into Senior Housing Facilities*
Thesis adviser: Gloria Luong, Human Development and Family Studies
- Mason Rykovich**, Political Science major and Legal Studies minor
Thesis title: *Consequences of Compassion: How the Legal Profession Affects the Mental Health of Attorneys*
Thesis adviser: Angelina Robinson, Liberal Arts, Dean's office
- Isha Sahasrabudhe**, Business Administration major with Accounting and Information Systems concentrations and Business Analytics certificate
Thesis title: *Impact of Enterprise Resource Planning Systems on Accounting & Financial Processes*
Thesis adviser: Jose Valdes Jr, Computer Information Systems
- Rafael Salinas**, Fish, Wildlife and Conservation Biology major with Wildlife Biology concentration and Leadership Studies minor
Thesis title: *A Human's Eye View*
Thesis adviser: Nicole Vieira, University Honors Program
- Jenna Salvat**, Chemistry major and Geology minor
Thesis title: *Characterization of Hydroxyl-Bearing Anthocyanins in Lanthanide Complexes through Fluorescence Microspectroscopy on Cellulose Nanoparticulate Layer*
Thesis adviser: Stephen Thompson, Chemistry
- Geneva San Nicolas**, Mechanical Engineering major
Thesis title: *5 Axis 3D Printer with a Mixing Head*
Thesis adviser: Mostafa Yourdkhani, Mechanical Engineering
- Mariana Sanchez**, Business Administration major with Information Systems concentration
Thesis title: *Viva Market*
Thesis adviser: Anne Marie Merline, University Honors Program
- Charles Sanders**, Mechanical Engineering major
Thesis title: *Utilitarian E-Bike*
Thesis adviser: Douglas Fankell, Mechanical Engineering
- Andrea Santiago**, Sociology major with Criminology and Criminal Justice concentration
Thesis title: *Right to life: The Social and Ethical Ramifications of Capital Punishment*
Thesis adviser: Jeffrey Nowacki, Sociology
- Kira Sayre**, Equine Science major and Animal Science major
Thesis title: *Sayre Hereford Farms: A Revision*
Thesis adviser: Nicole Vieira, University Honors Program
- Amanda Schmidt**, Chemical and Biological Engineering major and Chemistry minor
Thesis title: *The Effect of Inoculum to Substrate Ration of ReWired Anaerobic Digestion for Butyric Acid Production*
Thesis adviser: Kenneth Reardon, Chemical Engineering

- Megan Schmidt**, English major with Literature concentration
Thesis title: *How Graphic Interpretation Activities Can Be Used To Creatively Engage Students With Symbolism and Literary Themes In Complex Texts*
Thesis adviser: Patricia Shutters, English
- Ethan Schultz**, Electrical Engineering major with Electrical Engineering concentration
Thesis title: *Development of a Diode Pumped Amplification Stage*
Thesis adviser: Jorge Rocca, Electrical and Computer Engineering
- Alison Shad**, Biomedical Engineering major and Chemical and Biological Engineering major
Thesis title: *Inference of Spatial Stochastic Models to Capture Transcription, Diffusion, and RNA Degradation in Mammalian Nuclei*
Thesis adviser: Brian Munsky, Chemical Engineering
- Abbey Shaneyfelt**, Human Dimensions of Natural Resources major and Spanish minor
Thesis title: *A Plainsdaughter's Call Home: An exploration of place through art and writing*
Thesis adviser: Jennifer Solomon, Human Dimensions of Natural Resources
- James Sheetz**, Biomedical Sciences major
Thesis title: *Furthering Education About the Importance of Nutrition and the Associated Resources Available to Houseless Individuals in Fort Collins*
Thesis adviser: Anne Marie Merline, University Honors Program
- David Shepard**, Biological Science major with Biological Science concentration
Thesis title: *An investigation into potential causes behind differences in severity in side effects for women on hormonal birth control*
Thesis adviser: James Graham, Biomedical Sciences
- Alison Shields**, Biomedical Sciences major
Thesis title: *Modeling Congenital Heart Defects*
Thesis adviser: Carolyn Meyer, Biomedical Sciences
- Avery Showalter**, Biological Science major with Biological Science concentration
Thesis title: *Gendered Healthcare: The influence of gender on patient and healer relationships in New Delhi, India*
Thesis adviser: Kara Coffino, School of Education
- Corey Simpson**, Psychology major with General Psychology concentration and Horticulture major with Horticultural Therapy concentration
Thesis title: *Visible Patterns Business Proposal*
Thesis adviser: Joshua Craver, Horticulture & Landscape Architecture
- Kelley Sinning**, Fish, Wildlife and Conservation Biology major with Conservation Biology and Fisheries and Aquatic Sciences concentrations
Thesis title: *Longitudinal effects of legacy beaver-modified habitat on benthic macroinvertebrates in burned mountain stream*
Thesis adviser: Daniel Preston, Fish, Wildlife and Conservation Biology
- Molly Smith**, Nutrition and Food Science major with Food Safety and Nutrition concentration
Thesis title: *Analyzing the Effects of Various Sourdough Starters*
Thesis adviser: Charlene Van Buiten, Food Science and Human Nutrition
- Riley Smith**, Social Work major with Prevention and Intervention Science concentration and Human Development and Family Studies major
Thesis title: *Evaluating curricular development within the School of Social Work at Colorado State University: An assessment of racial bias and associated effects on undergraduate student engagement*
Thesis adviser: Charlotte Bright, Social Work

Lila Smith, Psychology major with Clinical/Counseling Psychology concentration and Creative Writing minor

Thesis title: *1. Exploring and Understanding Mentor Concerns: A Qualitative Review of Campus Connection TIME cards*

Thesis adviser: Toni Zimmerman, Human Development and Family Studies

Jessica Snyder, Business Administration major with Organization and Innovation Management, Finance, and Accounting concentrations and Entrepreneurship and Innovation Management minor

Thesis title: *Batter Up Bakery Business Plan*

Thesis adviser: Kipp Krukowski, Management

Collin Soderstrom, Biomedical Sciences major

Thesis title: *Breast Cancers and the Effects of Neoadjuvant vs Adjuvant Therapy on Treatment Success*

Thesis adviser: Daniel Gustafson, Clinical Sciences

Autumn Sorrentino, Psychology major with Clinical/Counseling Psychology concentration

Thesis title: *Therapeutic Approaches in Theory and Practice*

Thesis adviser: Sara Garvey, Psychology

Jacy Stampes, Zoology major and Spanish minor

Thesis title: *Fort Collins Pet Assistance Directory*

Thesis adviser: Anne Marie Merline, University Honors Program

Jonathan Steiner, Mechanical Engineering major and Machine Learning minor

Thesis title: *W.M. Keck Observatory Automatic Telescope Balance System*

Thesis adviser: Bonnie Roberts, Mechanical Engineering

Hayley Stevens, Zoology major

Thesis title: *Nosework-Based Enrichment For Shelter Dogs*

Thesis adviser: Nicole Vieira, University Honors Program

Samuel Stoltz, International Studies major with Middle East and North African Studies concentration and Political Science major with Global Politics and Policy concentration

Thesis title: *Criticizing the Concept of Unrecognized States to Reveal Differences in Sovereignty*

Thesis adviser: Eric Fattor, Political Science

Cyros Strickland, Construction Management major

Thesis title: *Entrepreneurial Exploration - Product Design and Development*

Thesis adviser: John Mitchell, Management

Carter Struhs, Biochemistry major with Health and Medical Science concentrations

Thesis title: *Biochemistry of Addiction*

Thesis adviser: Brian Kalet, Biochemistry and Molecular Biology

Kira Sturgess, Psychology major with General Psychology concentration and Criminology/Social Justice concentration

Thesis title: *Examining the Effect of Trauma on Emotion Regulation: the Role of Resiliency*

Thesis adviser: Bradley Conner, Psychology

Wyatt Suit, Electrical Engineering major with Electrical Engineering concentration and Computer Science minor

Thesis title: *The Integration of Image Processing and Augmented Reality into a Robotic Welding Arm*

Thesis adviser: Anthony Maciejewski, Electrical and Computer Engineering

Emma Szalach, Natural Sciences major with Biology Education concentration

Thesis title: *Slashing the Stigma for Sisters in STEM: A study of adolescent girl's identities in the science classroom and how teachers can improve participation in STEM*

Thesis adviser: Daniel Birmingham, School of Education

- Grace Taber**, Ecosystem Science and Sustainability major and Political Science minor
Thesis title: *Analyzing the Life Cycle Assessment of Lithium-Ion Batteries Present in Electric Vehicles*
Thesis adviser: John Sheehan, Animal Sciences
- Anna Taets**, Biological Science major with Biological Science concentration and Chemistry minor
Thesis title: *Examining the Human Monoclonal Antibody, Aducanumab, as a Cure for Alzheimer's Disease*
Thesis adviser: Ryan Maresh, Biomedical Sciences
- Melina Takvorian**, Ecosystem Science & Sustainability major and Spanish minor
Thesis title: *Interactive Tool for Analysis of Chlorophyll a Content in Upper Poudre Lakes in the Cameron Peak Fire Burn Area*
Thesis adviser: Matthew Ross, Ecosystem Science and Sustainability
- Annabelle Tangen**, Neuroscience major with Cell & Molecular Neuroscience concentration and Biochemistry minor with Behavioral & Cognitive Neuroscience concentration
Thesis title: *Significant Differences in Right-Lateralized Frontoparietal Activation During Dual Task In Athletes Cleared to Return-to-Play after Concussion*
Thesis adviser: Jaclyn Stephens, Occupational Therapy
- Gwyndolyn Tari**, Computer Engineering major
Thesis title: *Electrical and Computer Engineering Senior Design: RamBOTS*
Thesis adviser: Olivera Notaros, Electrical and Computer Engineering
- Christine Teleaga**, Biological Science major with Biological Science concentration and Chemistry minor
Thesis title: *A Scoping Review of Prevalence Research on Co-occurring Down Syndrome and Autism Spectrum Disorder*
Thesis adviser: Deborah Fidler, Human Development and Family Studies
- Corbyn Terpstra**, Computer Science major with Computer science concentration and Japanese minor
Thesis title: *Examination of Whisper Model Speech Recognition in Group Settings and Speech Prediction*
Thesis adviser: Nathaniel Blanchard, Computer Science
- Elise Thompson**, Mechanical Engineering major with Aerospace Engineering concentration
Thesis title: *Keck Observatory Automatic Telescope Balancing System*
Thesis adviser: Bonnie Roberts, Mechanical Engineering
- Malei Tipton**, Animal Science major, Agricultural Education major with Teacher Development concentration and Teacher Licensure-Agriculture major
Thesis title: *Planting the Seeds of Change: A Community Garden Business Plan*
Thesis adviser: Jennifer Bennett, Agriculture and Resource Economics
- Anna Trunzo**, Biomedical Sciences major with Chemistry minor
Thesis title: *Pharmaceutical Drug Use During Pregnancy: How Everyday Medication can be Dangerous During Pregnancy*
Thesis adviser: Russell Anthony, Biomedical Sciences
- Lauren Turner**, Environmental Health major
Thesis title: *Recognition of Human Trafficking in the Healthcare Industry*
Thesis adviser: Charlotte Bright, Social Work
- Caley Valdez**, Biomedical Sciences major and Microbiology minor
Thesis title: *Inclusive Practices in CSU Undergraduate STEM Classrooms and Their Impact on Students*
Thesis adviser: Nicole Kelp, Microbiology, Immunology and Pathology
- Juniper Vane**, Fish, Wildlife & Conservation Biology major with Conservation Biology concentration and Creative Writing minor
Thesis title: *Do Bird Names Affect Conservation Support? Testing the Conservation Impacts of Colorado Grassland Bird Common Names*
Thesis adviser: Sara Bombaci, Fish, Wildlife and Conservation Biology

- Anna Waddell**, Biological Science major with Biological Science concentration
Thesis title: *A Visual Representation of Biological Systems in the Spiny Dogfish Shark*
Thesis adviser: Nicole Vieira, University Honors Program
- Joey Wagner**, History major with Language concentration
Thesis title: *Colorado Mining Legends: the Intersection Between History and Folklore*
Thesis adviser: Tracy Brady, History
- Carly Wall**, Biomedical Sciences major and Spanish minor
Thesis title: *Creation of Independent Sexual Education and its Benefits*
Thesis adviser: Quinton Winger, Biomedical Sciences
- Grace Walsh**, Natural Resources Management major
Thesis title: *Management proposal for forest resilience & biodiversity in northern Illinois through the lens of two key species.*
Thesis adviser: Susan Melzer, Soil & Crop Sciences
- Charles Walther**, Business Administration major with International Business and Real Estate concentration
Thesis title: *The Glenn Morris Fieldhouse: A Development for Purpose*
Thesis adviser: Peter Thrasher, Finance and Real Estate
- Abigail Waugh**, Mechanical Engineering major and Military Science minor
Thesis title: *Upright Ruggedized Walker*
Thesis adviser: Kirk McGilvray, Mechanical Engineering
- Brandon Weigand**, Ecosystem Science & Sustainability major
Thesis title: *TBD*
Thesis adviser: TBD, TBD
- Kylee Weis**, Neuroscience major with Behavioral & Cognitive Neuroscience concentration
Thesis title: *Relating Brain Measures of Performance Monitoring to Socioeconomic Status and Stressful Life Events in Children*
Thesis adviser: Patricia Davies, Occupational Therapy
- Marley Weiser**, Psychology major with Clinical/Counseling Psychology concentration
Thesis title: *Therapist Efficacy: Literature Review and Workshop*
Thesis adviser: Tracy Richards, Psychology
- Vivian Weldon**, Biomedical Sciences major and Spanish minor
Thesis title: *The Pathophysiology of Presumed Ocular Histoplasmosis Syndrome*
Thesis adviser: Kimberly Jeckel, Biomedical Sciences
- Trinity White**, Biological Science major with Biological Science concentration and Chemistry minor
Thesis title: *Bioremediation and Environmental Racism*
Thesis adviser: Katriana Popichak, Microbiology, Immunology and Pathology
- Analiese Wiedenbeck**, Chemistry major
Thesis title: *Depolymerization of novel poly(trithiolanes) for use in a chemically recyclable system*
Thesis adviser: Garret Miyake, Chemistry
- Abigail Wiggans**, Human Development and Family Studies major with Prevention and Intervention Science concentration and Spanish minor
Thesis title: *Rooted in Resilience: An Interdisciplinary Study to Trauma, Resilience, and Systemic Adversity through Nature*
Thesis adviser: Tara Teel, Human Dimensions of Natural Resources
- Ellie Wiggins**, Business Administration major with Marketing concentration
Thesis title: *Leveraging marketing strategies to increase viewership of women's sports.*
Thesis adviser: Gina Slejko, Marketing
- Anna Wikowsky**, Languages, Literature, and Cultures major with French concentration and Music minor
Thesis title: *Fiction novel about a social journey*
Thesis adviser: Alyson Welker, English

Eric Williams, Watershed Science major

Thesis title: *Revelations from a Diligent Sampling Scheme of a Colorado River: Dissolved Oxygen Changes over Time in the Cache la Poudre River in Fort Collins, Colorado*

Thesis adviser: Matthew Ross, Ecosystem Science and Sustainability

Landon Williams, Biomedical Sciences major and Spanish minor

Thesis title: *An In-depth Examination of American Healthcare Practices for Hispanic Demographics*

Thesis adviser: Maria Lopez-Cabrales, Languages, Literatures and Cultures

Olivia Williams, Biomedical Sciences major with Anatomy and Physiology concentration

Thesis title: *Mindfulnesses effect on Stress Response and Life Satisfaction*

Thesis adviser: Gloria Luong, Human Development and Family Studies

Peter Wilson, Philosophy major with General Philosophy concentration and English major with Literature concentration

Thesis title: *W. E. B. Du Bois' "The Talented Tenth" in Gloria Naylor's Literature*

Thesis adviser: Zackary Hutchins, English

Sophia Wissinger, Forest and Rangeland Stewardship major with Forest Management concentration

Thesis title: *Element-Tree: An auditory exploitation into what makes up a forest.*

Thesis adviser: Sarah Hart, Forest and Rangeland Stewardship

Leah Wolfsberg, Biochemistry major with ASBMB concentration and Mathematics minor

Thesis title: *Investigating the Role of KNL1 in RZZ Recruitment*

Thesis adviser: Jennifer DeLuca, Biochemistry and Molecular Biology

Elena Wolvington, Biological Science major with Biological Science concentration and Computer science minor

Thesis title: *Modeling Fox Squirrel Occupancy on CSU Campus*

Thesis adviser: Lise Aubry, Fish, Wildlife and Conservation Biology

Ailsa Young, Biomedical Engineering major and Mechanical Engineering major

Thesis title: *Neonatal Automatic Oxygen Adjustment Device*

Thesis adviser: Ellen Brennan-Pierce, Engineering, Dean's office

Wang Chak Yu, Business Administration major with Marketing concentration and International Business certificate, Managing Human Resources certificate, Marketing Research and Data Analytics certificate and Strategic Marketing certificate

Thesis title: *Exploration of Disney's Business Model and Political Correctness*

Thesis adviser: Troy Mumford, Management

An-Ping Yu, Biological Science major with Biological Science concentration and Business Administration major with Marketing concentration

Thesis title: *Identification and Characterization of Insulin-Like Peptides (ILP) in Molt Regulation of *Gecarcinus lateralis**

Thesis adviser: Donald Mykles, Biology

Mahlet Zegeye, Business Administration major with Information Systems concentration

Thesis title: *Database Security & Encryption: Application in Business*

Thesis adviser: John Hoxmeier, Computer Information Systems

Joshua Zummach, Business Administration major with Finance concentration

Thesis title: *3Z Skis Business Model*

Thesis adviser: Ralph Switzer Jr., Finance and Real Estate