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Colleen Sachse
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Major: Landscape Architecture  
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**Mary Kardell**  
Major: Biochemistry  
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Advisor: Aimin Peng

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**Nina Bui**  
Major: Biochemistry  
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**Rachel Persson**  
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**Kai Johnson**  
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**Frederick Azalekor**  
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Jessica Walker  
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Kushagra Kapil  
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Quinn Lanik  
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Carter Murry  
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Fatma Al Ajmi  
Major: Microbiology  
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Calan Koch  
Major: Psychology  
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Advisor: Brian Couch

Anya Morozov  
Major: Biochemistry  
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Leslie Estrada  
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Emily Swanda  
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Rongsong Yang
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Julien Hoffman
Major: English; Women's and Gender Studies
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Advisor: Richard Graham

Bianca Swift
Major: English
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Advisor: Kenneth Price

Regan Chasek
Major: English
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Advisor: Matt Cohen

Simone Droge
Major: English, History
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Advisor: Andrew Jewell

Megan Ekstrom
Major: English
Redefining Biography: Launching the George Eliot Archive
Advisor: Beverley Rilett

Rachel Gordon
Major: English; Political Science
Redefining Biography: Launching the George Eliot Archive
Advisor: Beverley Rilett

Riley Jhi
Major: Computer Science
Redefining Biography: Launching the George Eliot Archive
Advisor: Beverley Rilett

Chelsea Akyeampong
Major: Global Studies and Political Sciences
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Advisor: Jeanette Jones

Brooke Adam
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Advisor: Amy Burnett

Kalika Mahato
Major: Biological Sciences
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Advisor: John Bender

Emily Vanek
Major: Anthropology
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Advisor: Heather Richards-Rissetto
Jancy Nielsen  
Major: Anthropology; Psychology  
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Advisor: Heather Richards-Rissetto

Riley Evers  
Major: Anthropology, Classics, Art History  
Campus Archaeology: Advertising Wellness and Digital Curation  
Advisor: Effie Athanassopoulos

Nichole Brady  
Major: Classics and Religious Studies  
Homerathon  
Advisor: Michael Lippman

Brooke Mott  
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Advisor: Michael Lippman

Douglas DeBose  
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Steven Kirchner  
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Megan Bosworth  
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Jordan Murman  
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Advisor: Ming Li

Caroline Spethman  
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Aaron Halvorsen  
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Major: Biological Sciences; Psychology  
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Lauren Cohn  
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Ciarra McPhillips  
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Olivia Maras  
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Advisor: Calvin Garbin

Kaela Meyer  
Major: Psychology  
Gender Norms and Relationships  
Advisor: Calvin Garbin

Kaitlyn Wilson  
Major: Psychology  
What Contributes to Depression? Predictors of Depression in Males and Females  
Advisor: Calvin Garbin

Bryson Anderson  
Major: Psychology  
A Model Comparison for Loneliness and Depression in College Students  
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Addison Sellon  
Major: Psychology  
Relationship Support and Other Self-Reported Variables Influence on Depression and Loneliness.  
Advisor: Calvin Garbin

Reed Tiwald  
Major: Psychology  
Influence of Gender and Minority Status on Clerical Worker Salary  
Advisor: Calvin Garbin

Elizabeth Otto  
Major: Psychology  
Does Attitude Matter?: Examining Links between General Attitudes towards Women and Societal Perceptions of women  
Advisor: David DiLillo

Amanda Nelson  
Major: Psychology  
Treatment of Cognitive Distortions in Victims of Child Sexual Abuse: Understanding the Influence of Intrafamilial versus Extrafamilial Perpetrators  
Advisor: David J. Hansen

Tanisha Aseel Talib  
Major: Psychology  
Further Evaluation of the Construct Validity of the Weekly Problem Scales: Instruments for Sexually Abused Youth and their Nonoffending Caregivers in Treatment  
Advisor: David J. Hansen

Shelby Tuder  
Major: Psychology  
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Advisor: David J. Hansen

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Major: Psychology  
Conservatism Ideology as a Predictor for Exoneree Culpability  
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Andrew Ashby  
Major: Psychology  
Transgression-Related Guilt, Empathy, and Relationship Satisfaction  
Advisor: Gilbert Parra

Madeline Mathias  
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Megan Jones  
Major: Psychology  
Emotion Recognition in Individuals with Traumatic Brain Injury  
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Mei Grace Behrendt  
Major: Psychology  
Decoding the Contents of Visual Working Memory During Rehearsal Using EEG and Multivariate Pattern Analysis  
Advisor: Matthew Johnson
Bailey Aden  
Major: Psychology  
The Influence of Parents' History of Peer Victimization on their Strategies for Supporting Their Victimized Child  
Advisor: Meredith Martin

Sean Dageforde  
Major: Psychology  
Cognition, Music, and Memory - Effects of Music on Visual Attention  
Advisor: Michael Dodd

Elizabeth Isaacson  
Major: Psychology  
An examination of awareness as it relates to selectivity in attention and memory  
Advisor: Michael Dodd

Aliissa Flynn  
Major: Psychology  
Changing the Rewarding Effects of Nicotine Through Pavlovian Conditioning  
Advisor: Rick Bevins

Anthony Raimondi  
Major: Psychology; Biochemistry  
Changing the Rewarding Effects of Nicotine Through Pavlovian Conditioning  
Advisor: Rick Bevins

Alexius Hartman  
Major: Psychology  
Diversity or equality? How gender-biased hiring policies influence perceptions of organizations  
Advisor: Sarah Gervais

Adrianna Lobitz  
Major: Psychology  
Attachment Style is Not Associated with Oxytocin Receptor Genotype  
Advisor: Scott Stoltenberg

Catie Jones  
Major: Psychology  
Self-Monitoring is not Associated with Biological Sex or OXTR (rs53576) Genotype  
Advisor: Scott Stoltenberg

Carsyn Poppe  
Major: Psychology  
Sexual objectification but not childhood trauma associated with frequency of binge drinking  
Advisor: Scott Stoltenberg

Irenea Soetjoadi  
Major: Psychology; Actuarial Science  
Sexual objectification but not childhood trauma associated with frequency of binge drinking  
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Major: Psychology  
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Emily Wiatr  
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Joshua Warren
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Yesenia Delgadillo  
Major: Psychology  
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Dikshya Pandey  
Major: Economics  
Using Social Media to predict the Real Estate Market of Nebraska  
Advisor: Mitch Herian

Brian Smith  
Major: Biological Sciences  
Blood Sampling: Keep it Capillary  
Advisor: Karsten Koehler

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Major: Biochemistry  
Analysis of a Two-Member Microbial Community Utilizing a OptCom Framework  
Advisor: Rajib Saha

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Major: Political Science; Mathematics  
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Advisor: Eric Thompson

College of Business

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Major: Economics; Finance  
Statistical Matching for Benchmarking Analysis  
Advisor: Mitch Herian

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Major: Actuarial Science  
Unemployment Biases in Worklife Expectancy  
Advisor: David Rosenbaum

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Jordan De Spong  
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**Carly Selleck**
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**Rachel Beeney**
Major: Communication Sciences and Disorders

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**Sydney Harrington**
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Emma Loberg
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Major: Communication Sciences and Disorders
Audiologists Comfort In Evaluating and Treating Pediatric (Birth-5) Patients in the Midwest
Advisor: Kelly Pritchett

Melissa Trapp
Major: Communication Sciences and Disorders
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Elizabeth Friend
Major: Communication Sciences and Disorders
Screening for Communication Risk Before 12 Months with CISS: Clinical Implications
Advisor: Cynthia Cress

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Screening for Communication Risk Before 12 Months with CISS: Clinical Implications
Advisor: Cynthia Cress

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Major: Child, Youth and Family Studies
Impact of Natural Environments on Symptom Expression in Children with Autism
Advisor: Julia Torquati

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Major: Elementary Education and Special Education
“A passion for helping people”: How Latina community college students’ altruistic motivations contribute to forward momentum
Advisor: Amanda Morales

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Major: Nutrition and Health Science
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Advisor: Karsten Koehler

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Major: Nutrition and Health Science
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Advisor: Karsten Koehler
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Test-Retest Reliability of Static and Counter-Movement Power Push-Ups in Young Male Athletes  
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Test-Retest Reliability of Static and Counter-Movement Power Push-Ups in Young Male Athletes  
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College of Engineering

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Major: Biological Systems Engineering  
White Matter Characteristics in Pre-Readers  
Advisor: Ying Ying Wang

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Major: Architectural Engineering  
Comparing Effects of Background Noise and Reverberation on Native Listeners’ Performance of Spanish Speech Comprehension  
Advisor: Lily Wang

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Major: Architectural Engineering  
Investigation and Development of Multiphysics Modeling Software Applications for Architectural Engineering Educational Use  
Advisor: Jay Puckett

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Major: Biological Systems Engineering  
A Novel Dual Material System for Oral Gene Delivery  
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Major: Biological Systems Engineering  
Using Synthetic Lethality to Sensitize Pediatric Brain Cancer Cells to the DNA Damaging Effects of Radiation Therapy  
Advisor: Forrest Kievit

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Major: Biological Systems Engineering  
Development of Carbon Nanotube Based Hydrogen Peroxide and Nitric Oxide Sensors for a Large Animal Model  
Advisor: Nicole Iverson

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Development of Carbon Nanotube Based Hydrogen Peroxide and Nitric Oxide Sensors for a Large Animal Model  
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Major: Biological Systems Engineering  
Ecotoxicology Assessment of Carbon Amendment to Floating Treatment Wetlands  
Advisor: Tiffany Messer
Erica Dolph
Major: Biological Systems Engineering
Novel Application for Mobile Transcranial Doppler Ultrasound Data Collection
Advisor: Greg Bashford

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Major: Chemical Engineering
The Effects of Carbon Catabolite Repression in Actinobacillus succinogenes
Advisor: Mark Wilkins

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Major: Biological Systems Engineering
Influencing Cell Behavior using Nanostructured Titanium Surfaces
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Major: Biological Systems Engineering
Surface Interaction of Wild Type and Antibiotic Resistant E. coli with Aliphatic and Aromatic Silanes
Advisor: Rajib Saha

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Major: Chemical Engineering
Engineering Carboxylic Acid Reductases through Domain Swapping
Advisor: Wei Niu

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Major: Chemical Engineering
Grazing incidence small angle x-ray scattering (GISAXS) of confined ionomer films for energy conversion and storage device
Advisor: Shudipto Konika Dishari

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Major: Mechanical Engineering
Voxel Image Formations Using Superimposed Laser Beams
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Major: Chemical Engineering
Analysis of a Two-Member Microbial Community Utilizing a OptCom Framework
Advisor: Rajib Saha

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Major: Civil Engineering
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Advisor: Richard Wood

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Major: Civil Engineering
Testing and Modelling of Polymeric Materials for Resilient Infrastructures
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Major: Computer Engineering
Redox Molecules and Reliable Signaling in Engineered Biological Networks
Advisor: Massimiliano Pierobon

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Major: Software Engineering
Online Volunteer Management For Math Day
Advisor: Berthe Choueiry
Timothy McCaslin  
Major: Computer Engineering  
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Advisor: Berthe Choueiry

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Major: Software Engineering  
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Advisor: Thanh Vu Nguyen

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Major: Software Engineering  
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Advisor: Berthe Choueiry

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Major: Electrical Engineering  
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Advisor: Craig Alan Zuhlke

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Major: Mechanical Engineering  
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Advisor: Craig Zuhlke

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Major: Mechanical Engineering  
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Advisor: Craig Zuhlke; George Gogos

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Major: Biological Systems Engineering  
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Advisor: Ali Tamayol

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Major: Biological Systems Engineering  
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Advisor: Ryan Pedrigi

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Major: Biological Systems Engineering  
*Analyzing the Effect of Bioprinter Settings on the Quality of Three-Dimensionally Printed Biological Tissues*  
Advisor: Prahalada Rao

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Major: Biological Systems Engineering  
*Text-to-Speech Development for Existing First Hope Initiative*  
Advisor: Chase Pfeifer

Hannah Fox  
Major: Chemical Engineering  
*Mechanotransduction Study on Mesenchymal Stem Cells Using Traction Force Microscopy*  
Advisor: Ruiguo Yang

Chris Wiseman  
Major: Mechanical Engineering  
*A Smart Bandage with Microneedle Arrays for Chronic Wound Treatment*  
Advisor: Ali Tamayol
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Major: Mechanical Engineering  
*Dimensional Defect Analysis in AM Parts*  
Advisor: Prahalada Rao

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*Ablative and Confining Layers in Laser Peening for Hybrid Additive Manufacturing*  
Advisor: Michael Sealy

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Major: Mechanical Engineering  
*Sample Preparation And Imaging Techniques For The Study Of Cell Walls In Sorghum Roots*  
Advisor: Joseph Turner

Joseph Broadway  
Major: Mechanical Engineering  
*Polishing of 3D Printed Titanium Biomedical Implants*  
Advisor: Prahalada Rao

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Major: Mechanical Engineering  
*Development of Three-dimensional Porous Network Models Using Polydimethylsiloxane and Sugar Block*  
Advisor: Sangjin Ryu

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Major: Mechanical Engineering and Applied Mechanics  
*Initial Condition Effects of Femtosecond Laser Surface Processed Copper on Pool Boiling Hysteresis*  
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Collin Hoffman  
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Advisor: George Gogos

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*3-D Printed Composite Gel-Filled Microneedles*  
Advisor: Ali Tamayol

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Major: Mechanical Engineering  
*Towards Manufacturing Scale-Up of Colonoscopy Device*  
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Iakov Golman  
Major: Mechanical Engineering  
*Properties of Electrospun Composite Nanofibers*  
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Major: Mechanical Engineering  
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Advisor: Austin Griswold

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Major: Mechanical Engineering  
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Advisor: Carl Nelson
Nathan Snyder
Major: Mechanical Engineering
Preparation of the Oxide Dispersion Strengthened FeCrAl by mechanical alloying and Spark Plasma Sintering
Advisor: Bai Cui

Ziqian Zhao
Major: Mechanical Engineering
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Major: Mechanical Engineering
Quantifying Wicking in Functionalized Surfaces
Advisor: George Gogos

Grant King
Major: Mechanical Engineering
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Advisor: Prahalada Rao

Josiah Adamson
Major: Mechanical Engineering
Soft Vector Sensor that Detects Stealth Submarines
Advisor: Li Tan

Ning Zhang
Major: Mechanical Engineering
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Ryan Regan
Major: Mechanical Engineering
'Micro-Droplet Delivery at Negligible Impact Velocity with Femtosecond Laser Surface Processing (FLSP)
Advisor: George Gogos

Dilziba Diliziba
Major: Mechanical Engineering
Title: Video Microscopy Study of the Effect of Confinement on the Swimming of Vorticella Convallaria.
Advisor: Sangjin Ryu

Angel Olivera-Torres
Major: Biological Systems Engineering
Cell Patterning in Microfluidic Devices Combined with Micro-Contact Printing
Advisor: Ruiguo Yang

Adam Erickson
Major: Mechanical Engineering
Fluid Imprint and Inertial Switching in Ferroelectric Hafnium Oxide Capacitors
Advisor: Alexei Gruverman

Hixson-Lied College of Fine and Performing Arts

Sofia Fernandez
Major: Art: Painting
Hands-on Studio Artist
Advisor: Sandra Williams
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Major: Journalism; Advertising and Public Relations
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Baylee Vrtiska
Major: Journalism; Broadcasting
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