Keegan Bunker – University of Minnesota
Major: Aerospace Engineering & Mechanics
*Helmholtz Coil Testbed Design for Attitude Determination and Control System Validation of CubeSat Satellite*
Mentor: Dr. Demoz Gebre-Egziabher, Department of Aerospace Engineering and Mechanics

Yadira Damazo – University of Minnesota
Major: Sociology
*Gentrification as Structural Violence: A Critical Literature Review*
Mentor: Dr. Yuichiro Onishi, Department of African American and African Studies

Mark Dresel – University of Minnesota
Major: Chemistry
*Exploration of Binding Moieties of Lanthanide Complexes and Its Effects on Anion Affinity*
Mentor: Dr. Valerie C. Pierre, Department of Chemistry

Muzamil Ibrahim – University of Minnesota
Major: Youth Studies
*Playing Indian: Dehumanization or Development?*
Mentor: Dr. Katie Johnston-Goodstar, School of Social Work

Kania Johnson – University of Minnesota
Major: Family Social Science
*Getting Close to Inequities: Inequality Experts’ Proximity to the Communities They Serve*
Mentor: Dr. Chris Uggen, Department of Sociology

Kimberly Knourek – University of Minnesota
Major: Child Psychology
*Effects of Parent Stress and Distress on Parenting Quality and Child Behavior*
Mentor: Dr. Ann Masten, Institute of Child Development

Brianna Lundgren – University of Minnesota
Major: Psychology
*Internalizing, Externalizing and ADHD Symptoms of Post-Institutionalized Adolescents*
Mentor: Dr. Megan Gunnar, Institute of Child Development

Abigayle McClendon – University of Minnesota
Major: Psychology
*Reduced Hippocampal Volume in Comorbid Alcohol Use Disorder and Major Depression*
Mentor: Dr. William G. Iacono, Department of Psychology

Nicolas Mendivil – University of Minnesota
Major: Kinesiology & Psychology
*The Effect of Higher-Intensity Interval Training (HIIT) on Physical Activity Adherence on Low Active Adults*
Mentor: Dr. Beth Lewis, School of Kinesiology

Cristaly Mercado – University of Minnesota
Major: Special Education
*Commercial Card Games Improve Middle School Students’ Executive Functioning*
Mentor: Dr. Keisha Varma, Department of Educational Psychology
Julissa Molina-Vega – Macalester College  
Major: Biochemistry  
*Eicosanoid Regulation of the Nuclear Pore Complex in Breast Cancer*  
Mentor: Dr. David Potter, Department of Medicine

Samantha Mussehl – University of Minnesota  
Major: Kinesiology  
*Innervation Status in Soleus Muscle Post Hemorrhagic Stroke*  
Mentor: Dr. LeAnn Snow, Department of Rehabilitation Medicine

Minh-Uyen Nguyen – University of Minnesota  
Major: Biomedical Engineering  
*Development of a Single Cell Mechanical Characterization Platform*  
Mentor: Dr. David Wood, Department of Biomedical Engineering

Salma Noor – University of Minnesota  
Major: Nutrition  
*The Role of Prebiotics and Probiotics in the Oral Microbiota*  
Mentor: Dr. Joanne Slavin, Department of Food Science & Nutrition

Luis Ramirez – University of Minnesota  
Major: Physiology  
*Selective N-Terminal BET-Family Bromodomain Inhibitor Development by Targeting the ZA-Channel of BRD4*  
Mentor: Dr. William Pomerantz, Department of Medicinal Chemistry

Nahrissa Rush – University of Minnesota  
Major: Sociology  
*Choices by Default? Opportunities and Constraints for Families of Color in Youth Activities*  
Mentor: Dr. Doug Hartmann, Department of Sociology

Atosha Rypa – University of Minnesota  
Major: Sociology: Law & Crime Deviance  
*The Red Line Between Us and Them: A Conceptual Framework of How the Violence Used to Protect White Privilege Turns into a Common Sense Myth in the Penal System*  
Mentors: Dr. Michael L. Walker, Department of Sociology

Sandra Taylor – Carleton College  
Major: Psychology  
*The Effect of Texture in Surround Suppression*  
Mentor: Dr. Cheryl A. Olman, Department of Psychology

Taylor Westfall-McCoy – University of Minnesota  
Major: Animal Science  
*Effect of β-Hydroxy-β-methylbutyrate on Proteolysis via Ubiquitination in Equine Skeletal Muscle Cells Using Western Blot Techniques*  
Mentors: Dr. Marcia Hathaway, Department of Animal Science

Salamong Xiong – Macalester College  
Major: Physics  
*Optical Characteristic Measurements of Crystalline Silicon (c-Si)*  
Mentor: Dr. Shaul Hanany, School of Physics and Astronomy