Northwestern | MRSEC MATERIALS RESEARCH SCIENCE AND ENGINEERING CENTER

In 2024, 15 students, chosen from over 130 completed applications, were supported by the NU-MRSEC (47% female, 53% underrepresented minority students). The 2024 REU students, projects, and faculty advisors were:

1. Ethan Bounds, *Using Microscopy and Rheology to Investigate Covalent Adaptable Networks* (**Wang**)
2. Melinda Chen *Characterization of 3D Printed Asymmetric Handed Shearing Auxetic Actuators* (**Truby**)
3. Irena Hong, *Exploring the Electronic and Ionic Transport Properties in Graphene Inks During Processing via Rheo-electric Measurements (***Richards**)
4. Maria Jimenez Guillermo, *Superconducting Thin Films with Magnetic Defects* (**Bedzyk**)
5. Lauren Jingles, *The Chiton Project* (**Joester**)
6. Jonathan Lei, *Solid Polymer Electrolytes Based on Polymeric Ionic Liquids (***Gianneschi**)
7. Pablo Luna Falcon, *Data-Driven and Experimental Mechanical Properties Exploration of Thermally Stable Aluminum-based Alloys* (**Dunand**)
8. Alexie Nyambi, *Dynamics of Peptide Amphiphiles* (**Stupp**)
9. Nestor Plascencia, O*ptimization of Transferring Large-Area Monolayer 2D Materials* (**Hersam**)
10. Grace Plum, *Reactive Gel Spinning of Polyurethane Fibers Based on Frontal Polymerization* (**Chazot**)
11. Graeme Pugsley, *Product Characterization of Depolymerized Polyurethane* (**Marks**)
12. Jaylin Trice, *Investigating Superlubricity in an Aqueous Glycol Solution with Corrosion Inhibitors* (**Jane Wang**)
13. Rohan Ukhade, *A Coarse-Grained Study of Hydrogel Networks* (**Keten**)
14. Alemayouh Snyder, *Investigating Ferroelectric Switching Induced Raman Shifts in In2Se3* (**Lauhon**)
15. Rosemary Wynnychenko, *Measuring the Thermal Conductivity of Amorphous and Crystalline Phases in Sb2S3* (**Balogun**)