REU Site: DMR-2039351, EEC-2244201 Nanomanufacturing of Emerging 2D Materials and Devices

Jointly organized by the 2DCC-MIP and Penn State Nanofab user facilities, our REU program (EEC-2244201) offers a 10-week team-based summer research experience focused on 2D materials and device development.

Students specialize in materials synthesis, processing or device fabrication/testing and work collaboratively toward a device/application goal.

Team Project Examples:

2DCC MIP at Penn State,

Broader Impact 2024

P-type WSe₂ field effect transistors for 2D CMOS Biosensing and bioelectronic devices based on 2D materials On-chip machine vision platform for image classification 2D topological semimetals for electrical interconnects

Professional Development Activities:

Industry visits Mentor/mentee training Journal club End-of-summer REU symposium Suzanne Mohney, Kathy Gehoski (Nanofab), Joan Redwing, Ron Redwing, Kelsey Maxin (2DCC-MIP)









Summer 2024: 22 total undergraduate students, 6 Female, 11 URM



