This NSF Research Experience for Undergraduates Site at SDSM&T, USD and SDSU, provides undergraduate students a chance to conduct cutting-edge research focused on security printing and anti-counterfeiting technology. Counterfeiting is a growing issue in the U.S., posing serious economic, safety and national security concerns. The REU program is a multi-disciplinary program with research opportunities in Materials Science and Engineering, Chemical Engineering, Materials Chemistry, Electrical/Computer Engineering, Physics, Mathematics, Mechanical Engineering, and Computer Science.

**Program Description:**

- **10 Week Research Experience**
  - MAY 29 - AUGUST 3, 2018
- **Faculty Mentored Research**
- **Professional Development & Technical Communication Programs**
- **Security Technology Seminars**
- **Social Activities**
- **$5000 Stipend & Housing Provided**

**Projects:**

- **Security Printing:**
  - Counterfeit Microelectronics
  - Development of Covert High Capacity 2-D Bar Codes
  - Forensic Analysis of Native American Art
  - Development of Anti-Counterfeiting Technology for Pharmaceuticals
  - Security Ink Formulation
  - Synthesis of “Upconverting” Nanoparticles

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