

# Research, Mentoring, and Career Development Opportunities in STEM Disciplines for Women and Underrepresented Groups at Kansas State University

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## PROGRAM OBJECTIVES

- To prepare women and underrepresented groups for excellence in science, technology, engineering, and mathematics (STEM) disciplines
- To encourage undergraduates to explore and participate in research in their specific fields
- To establish mentoring relationships between potential graduate students and established faculty researchers
- To encourage undergraduate students to pursue graduate studies and to assist in the graduate school admission process
- To establish a community network to encourage girls in middle and high schools to pursue STEM programs in college
- To expose students to experts in their chosen fields through strong industry linkages and programs

## RESEARCH AREAS

- Biological and Biomedical Sciences
- Physical Sciences
- Engineering
- Social Sciences
- Applied Natural Sciences
- Veterinary Medicine



## ACADEMIC YEAR PROGRAMS

- Developing Scholars Program
- McNair Scholars Program
- Howard Hughes Medical Institute Undergraduate Research Scholars
- Kansas Idea Networks of Biomedical Research Excellence
- Cancer Research Awards Program
- Multicultural Engineering Program
- Women in Engineering and Science Program
- Girls Researching Our World
- Undergraduate Mentoring in Environmental Biology

## SUMMER PROGRAMS

- Summer Undergraduate Research Opportunity Program (SUROP)
- NSF Research Experiences for Undergraduates (Grassland Ecology, Human-Environment Regional Observatory, Mathematics)
- Kansas Bridges to the Future
- Veterinary Research Scholars Program
- SEEDS Program (Ecological Society of America)



## PROGRAM FEATURES AND ACTIVITIES

- **MENTORING**
  - Mentor Net
  - Women Mentoring Women
  - Integration into current research teams
  - Academic and career advising
- **ACADEMIC AND PROFESSIONAL DEVELOPMENT**
  - Academic tutoring
  - Research presentations
  - GRE review seminars
  - Lecture series
  - Industry linkage
  - Technical and professional development seminars
  - Field trips and industry tours
  - Attendance and participation in professional meetings and conferences
  - Leadership training in career and professional development
  - Student socialization
  - Networking opportunities
- **FINANCIAL SUPPORT**
  - Scholarships
  - Employment
  - Travel reimbursement