

Missouri Space Grant Consortium Overview

Dr. Dave Riggins
Director of NASA Missouri Space Grant/EPSCoR Programs
Missouri University of Science & Technology

Affiliate Members:

- *Missouri University of Science & Technology (MS&T - Lead Institution)*
Department of Mechanical and Aerospace Engineering
- *Missouri State University (MSU)*
Department of Physics, Astronomy, and Materials Science
- *University of Missouri – Columbia (UMC)*
Department of Mechanical and Aerospace Engineering
Nuclear Science and Engineering Institute
- *University of Missouri – Kansas City (UMKC)*
Department of Physics and Astronomy
- *University of Missouri - St. Louis (UMSL)*
Department of Physics and Astronomy
- *Washington University in St. Louis (WashU)*
Department of Earth and Planetary Sciences
Department of Energy, Environmental, and Chemical Engineering
Department of Mechanical Engineering and Materials Science
- *St. Louis Science Center (SLSC)*
James S. McDonnell Planetarium
- *Lincoln University of Missouri (HBCU)*
Department of Life and Physical Sciences



Consortium Associate Members:

- *Challenger Learning Center of St. Louis*
- *St. Louis University*
College of Engineering, Aviation and Technology
- *Truman State University*
Department of Physics
Department of Chemistry
Department of Biology
- *William Jewel College*
Department of Physics

NASA Space Grant STEM Education Activities in Missouri: FY2013

- **Fellowships & Scholarships**
- **Higher Education Internships (academic year and summer NASA Center internships)**
- **Research Infrastructure Assistantships**
- **Higher Education student design teams and research groups**
- **Pre-College programs (classroom visits, high school summer internships, planetarium programs (UMSL, SLSC), Space Associations, Summer Space Academies, Introduction to Aerospace Engineering (summer camps, etc.))**
- **Informal Education: Telescope observing sessions at MSU, UMKC, UMSL, SLSC**

NASA Space Grant-Enabled STEM Educational Impacts in Missouri: FY2013

60 students directly funded (significant funding/interaction)

23 Fellowship & Scholarships (10 females, 12 underrepresented minorities)

34 Higher Education Internships (13 females, 7 underrepresented minorities)

3 Research Infrastructure Assistantships

41.7% awards to female students

31.7% awards to underrepresented minority students

**High-Impact
Innovative Program**

“A Bridge to the Stars: Astro 101” at the University of Missouri – Kansas City is an inner city high school student scholarship program that provides low-income and under-represented minority students full scholarships (including tuition, fees, course materials, and transportation) to enroll in an interactive Introduction to University Astronomy course

Dr. Daniel H. McIntosh

Associate Professor

Undergraduate Astronomy Advisor

Warkoczewski Observatory Director

Executive Board Member [NASA Missouri Space Grant Consortium](#)