



History & Vision

The National Space Grant College & Fellowship Program was initiated by NASA in 1989. The national network includes over 850 affiliates from universities, colleges, industry, museums, science centers, and state and local agencies. The vision of the Michigan Space Grant Consortium is to foster awareness of, education in, and research on space-related science and technology in Michigan.

MSGC Mission

The mission of the MSGC is to create, develop, and promote programs that reflect NASA strategic interests and support cooperation between academia, industry, state and local government in science and technology in Michigan. Various opportunities for educational and research funding are available.

DEI

Our commitment to diversity initiatives within the Consortium is key to our mission. We strive to contribute to the national need by recruiting a diverse group of students, researchers, and participants for all programs.

FY2021* MSGC Funding Snapshot

\$182,987

for Educational Programs

\$64,990

in Research Seed Grants

\$296,925

NASA Internships & Fellowships

74

Publications

450

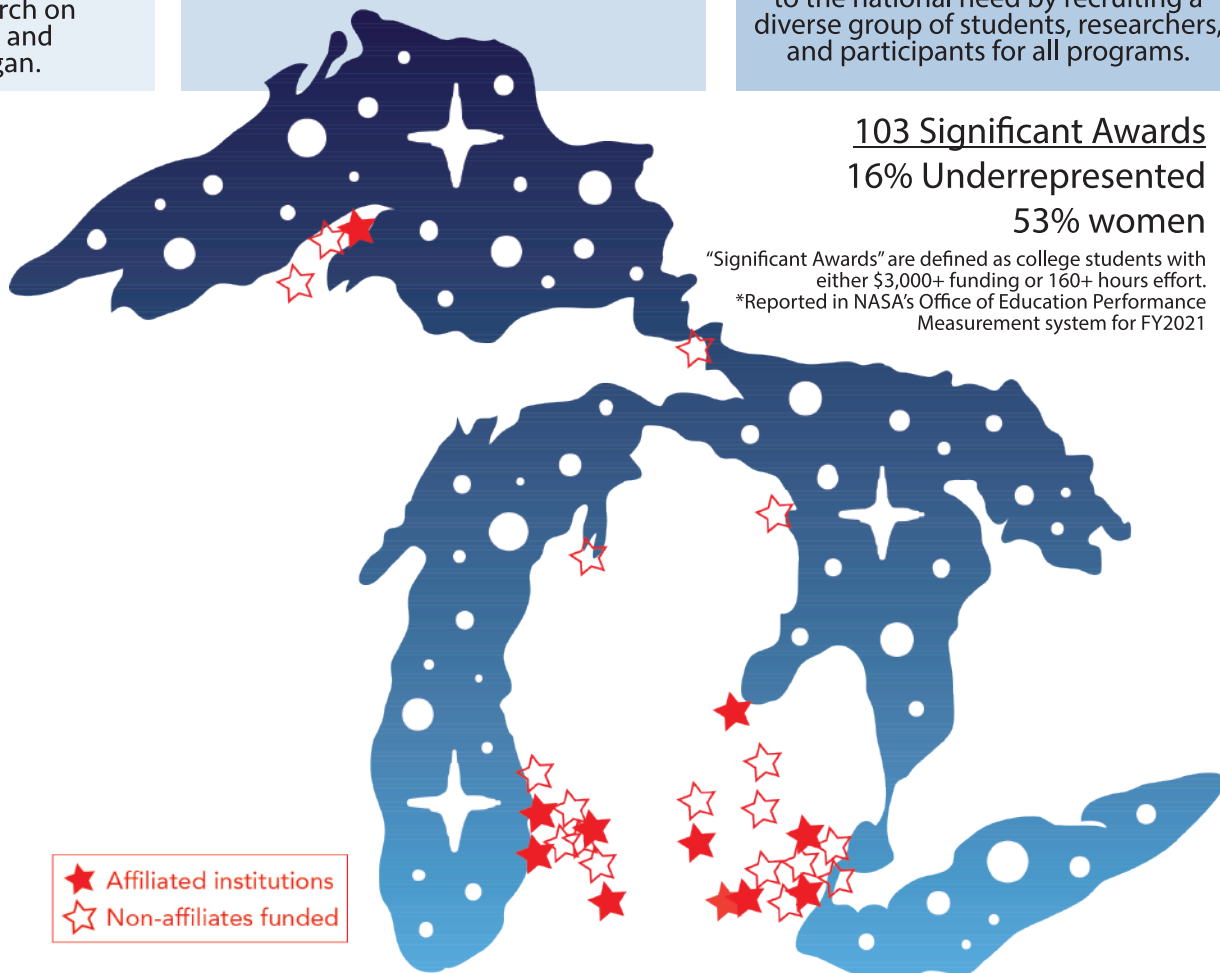
College Students

4,964

K-12 Students

188

K-12 Teachers



103 Significant Awards

16% Underrepresented

53% women

"Significant Awards" are defined as college students with either \$3,000+ funding or 160+ hours effort.
*Reported in NASA's Office of Education Performance Measurement system for FY2021

**Aeronautics
Mission Directorate**

\$43,453

**Human Exploration
Mission Directorate**

\$58,106

**Science
Mission Directorate**

\$173,034

**Space Technology
Mission Directorate**

\$59,014

Advancing STEM Education in Michigan

Calvin University
 Eastern Michigan University
 Grand Valley State University
 Hope College

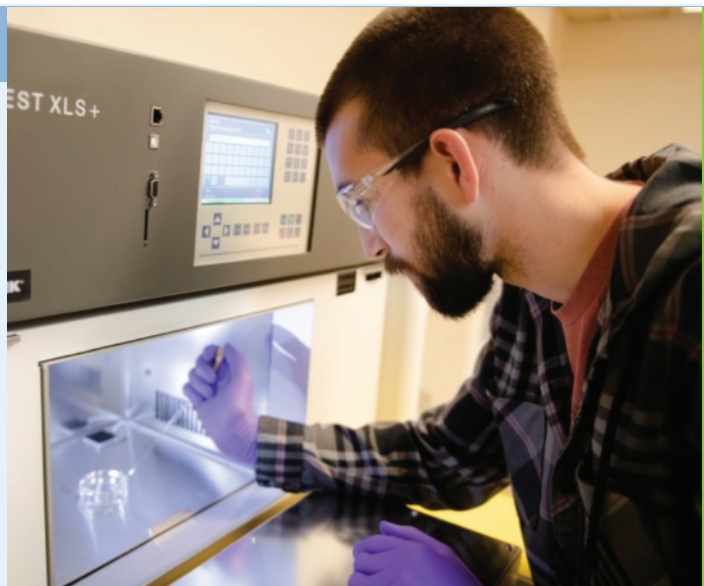
Michigan State University
 Michigan Technological University
 Oakland University
 Saginaw Valley State University

University of Michigan
 Wayne State University
 Western Michigan University

Fellowships

MSGC offers research and public service fellowships to graduate students and faculty led undergraduate students who successfully compete for the award. Students are required to identify a mentor from the faculty research, education, or public service communities, with whom they intend to work. After developing a research plan (including budget) with the mentor, students write and submit a proposal describing their project and how the funds will be used. The fellowship-supported research can occur over the summer, during the academic year, or both.

On the left: Michigan Technological University Graduate Student, Ryan Kibler working on his research.



Educational Programs

MSGC supports a suite of educational programs:

Pre-College Education:

Alignment with state and national education standards

Public Outreach:

Likelihood of stimulating STEM literacy and interest

Teacher Training:

Potential to promote innovative training

Augmentation:

Anticipated success in involving underrepresented populations and effective use of budget

On the left: A participant in Grand Valley State University's annual STEPS Camp.



HONES

Hands On NASA Oriented Experiences for Student groups

MSGC supports student groups from MSGC-affiliated colleges and universities that engage in hands-on, authentic, science and engineering problem-solving research and development related to NASA Mission Directorate challenges and NASA STEM engagement priorities. Some of our current HONES groups are competing in NASA's Lunarbotics Competition, the Micro-G NExT Challenge and NASA's SUITS Challenge. Other teams include rover challenges as well as solar car competitions.

On the left a members of the T-ReX Team from the Michigan Technological University for the BIG Idea Challenge.

