

Info Session

Michigan Space Grant

Pavlis
Honors
College

Michigan
Technological
University

Vision and Mission

- To foster awareness of, education in, and research on space-related science and technology in Michigan
 - reflect NASA strategic interests
 - encourage cooperation between academia, industry, state and local government

Affiliate Institutions

- Calvin College
- Eastern Michigan University
- Grand Valley State University
- Hope College
- Michigan State University
- Michigan Technological University
- Oakland University
- Saginaw Valley State University
- Wayne State University
- Western Michigan University
- University of Michigan

Funding Opportunities

- \$2500 Undergraduate Fellowship
- \$5000 Graduate Fellowship
- \$5000 Research Seed Grants
- \$5000 Programs
 - Pre-College Education
 - Public Outreach
 - Teacher Training

Funding Interval May 2017-April 2018
11/9 – Submissions Due
2/28 – Award Notification

Women, under-represented minorities, and persons with disabilities are strongly encouraged to apply

MSGC Recipient Diversity

- Women – 40% Goal
 - 2016 50%
 - 2015 46%
 - 2014 36%
- Under-Represented Minorities – 20% Goal
 - 2016 27%
 - 2015 34%
 - 2014 27%

Eligibility

- Faculty
 - Faculty member at MSGC affiliate institutions
- Students
 - U.S. Citizens enrolled at MSGC affiliate institutions
 - Good academic record and in good academic standing
- Programs
 - MSGC member institutions or other non-sectarian education or community organizations

Topics

- Engineering, science, mathematics, life sciences, or related educational research
- Preference is given to projects focusing on:
 - aerospace, space or earth system science
- Awards are not strictly limited to these topics.

Must relate to NASA Strategic Goals

NASA Strategic Goals

1. Expand the frontiers of knowledge, capability and opportunities in space
2. Advance understanding of the Earth and develop technologies to improve the quality of life on our home planet
3. Serve the American public and accomplish our mission by effectively managing our people, technical capabilities and infrastructure

Use of Funds

Proposal Type	Stipends*	Salaries*	Materials and Supplies	Domestic travel	Match
Fellowship	Applicant		Less than \$5000	Approved by mentor**	
Seed Grant	Student	Faculty	Less than \$5000	Allowed	one-to-one required
Program		Manager/Facilitator	Less than \$5000	Minimal travel	one-to-one required

*U.S. citizens only

**conferences, workshops, research site

No Indirect Costs Allowed

Match Funds

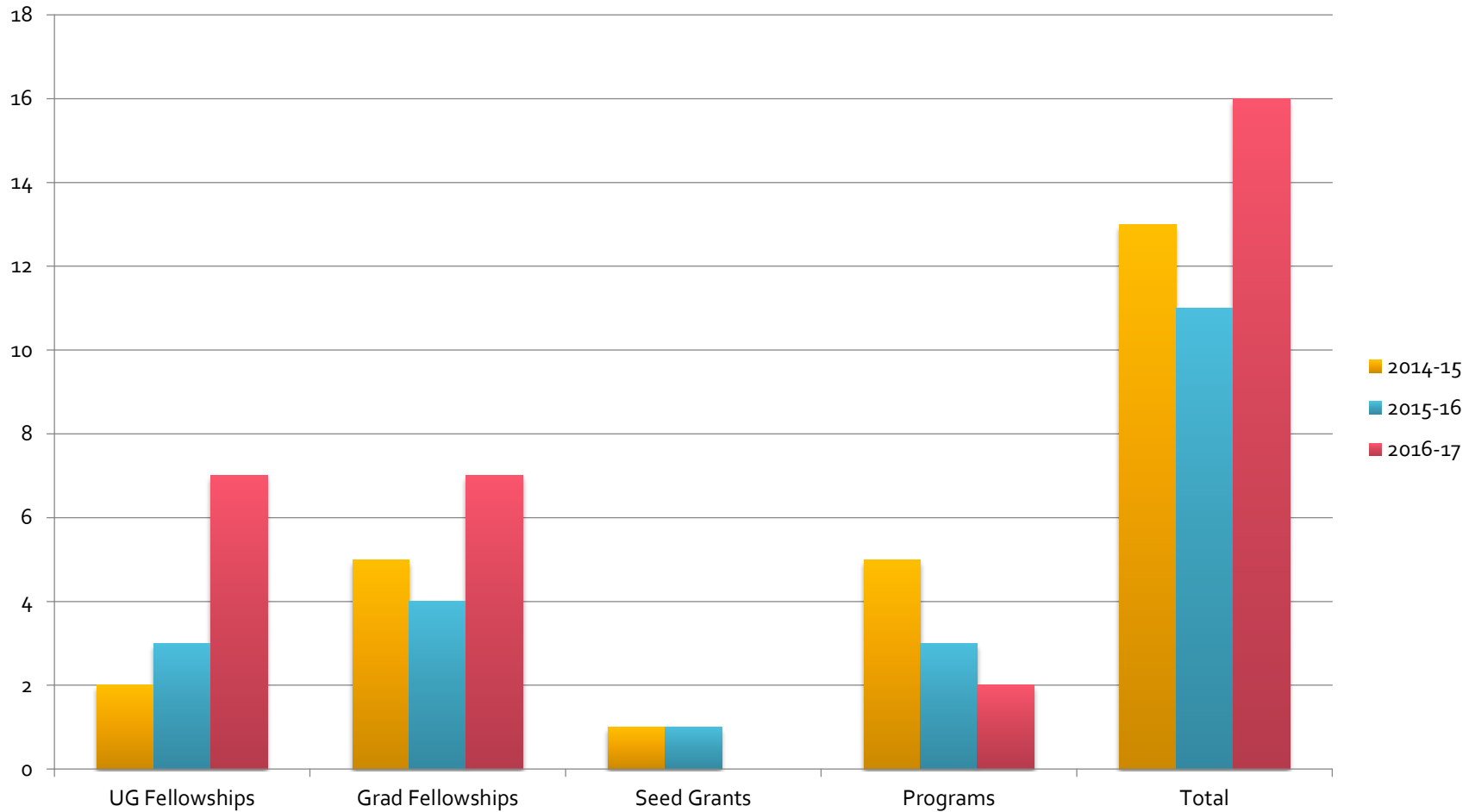
- Seed Grants
 - Funds from non-federal sources
 - Cannot include waived indirect or in-kind
 - Must be confirmed with letter from appropriate authority
- Programs
 - Funds from non-federal sources
 - Cash contributions or in-kind support
 - May use indirect costs as match

Application Components

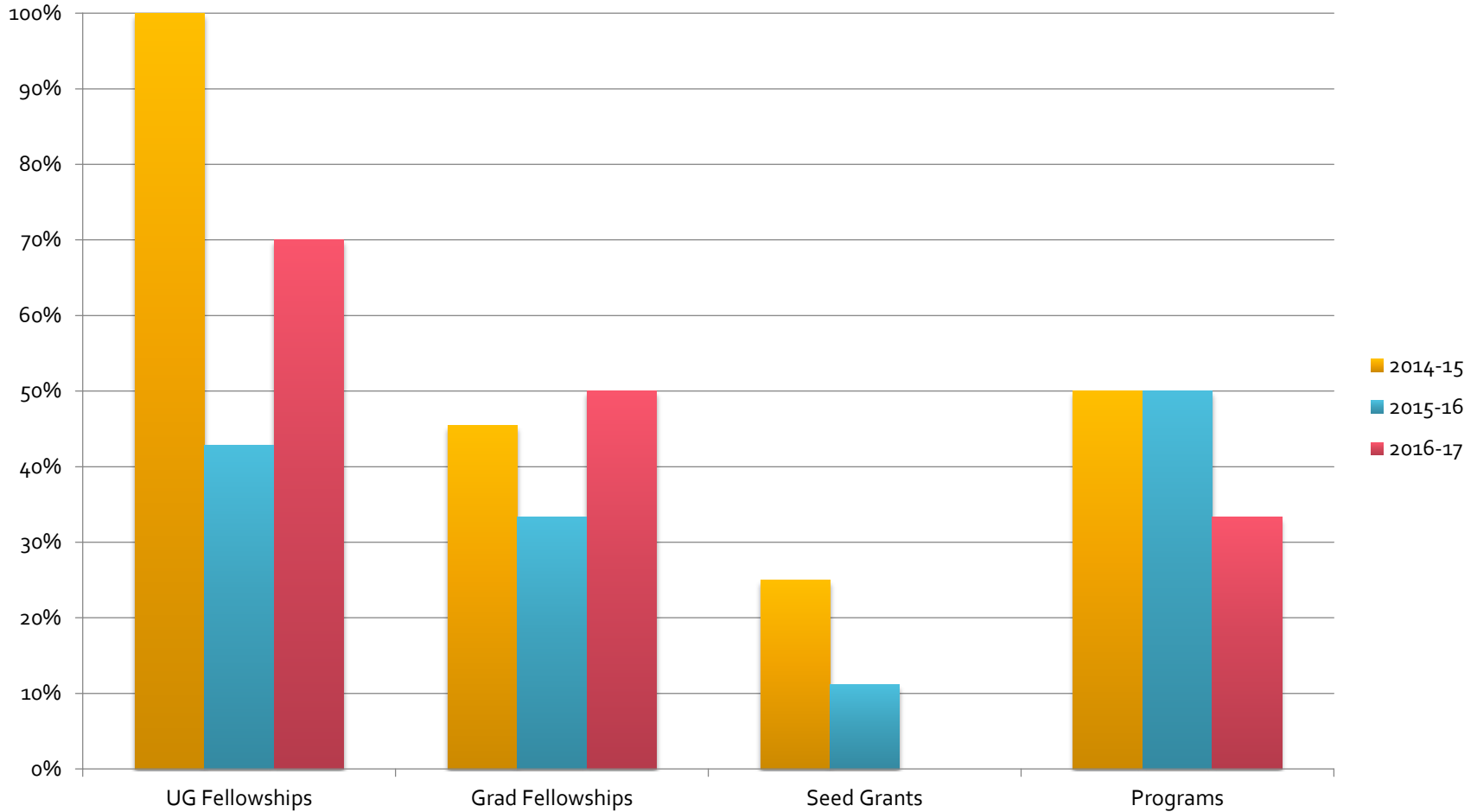
Type	Abstract	Body	Budget	Letters	Progress Report	Unique Pieces
Fellowship	x	3-pg essay		2 recommendations (including mentor)	2-pg if continuation	Recent Transcript(s)
Seed Grant	x (included in body)	6-pg research description	1-pg w/ justification	Verifying non-federal match		1-pg bio, 1-pg pubs, 2-pg grants
Program	x	4-pg essay (more if >1 type)	1-pg w/ justification for each component plus summary	Letters of support from pre-college institutions (if any)	2-pg if continuation	1-paragraph descriptions of key personnel

All apps require approval letter from institutional representative and online application form

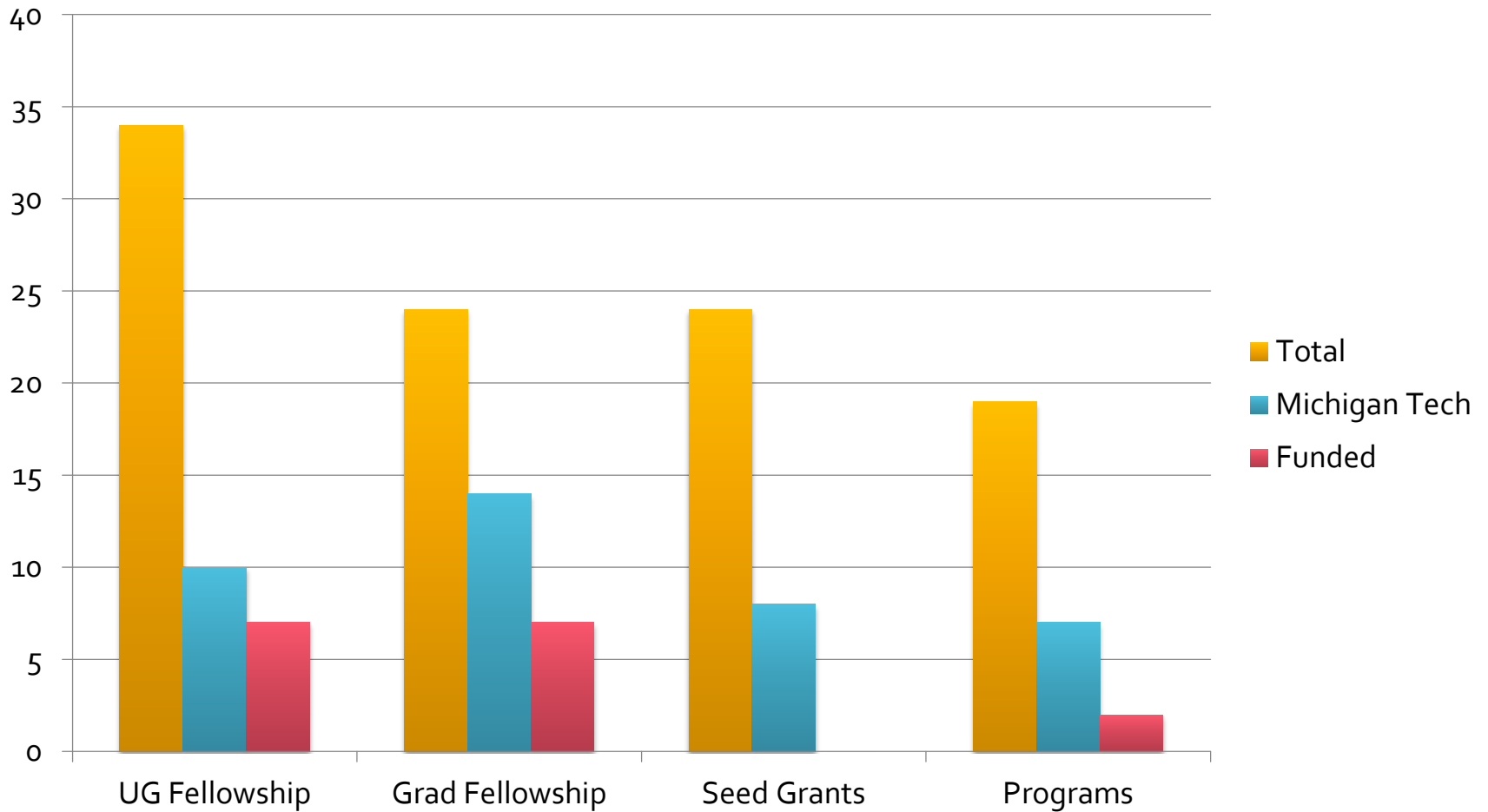
Michigan Tech Funded Projects



Michigan Tech Success Rate



2016-17 Applications



Evaluation Criteria - Fellowships

- **Merit of scientific research, educational research or public service activity (5)**
- Focus on NASA strategic interests (5)
- **Address specific expectations and responsibilities for research activities (5)**
- Interest in pursuing a career in math, science, technology or related education work (1)
- Recommendations show good potential for success (5)
- GPA above 3.0 (1)
- Doing well in technical courses (1)
- Progress reported for continuation (0/1)

Evaluation Criteria – Seed Grants

- Merit of scientific research (5)
- **Focus on NASA strategic interests (5)**
- **Articulation of proposed project (5)**
- Correlation of budget to proposed project (5)
- **Plans for submitting proposals for follow-on funding (2)**
- Junior faculty member expertise enhancement or new area for senior faculty member (5)

Evaluation Criteria - Programs

- Most common shortcomings
 - Focus on NASA strategic interests absent or weak
 - Lacks linkage to national and/or state educational standards in math or science
 - Evaluation/Assessment lacks sophistication
 - Lacks specific outreach to under-represented groups
 - Lacks sufficient impact in comparison with other proposed programs
 - Coordination between individuals at same institution is unclear

Practical Matters

- The internal Michigan Tech deadline is one week prior to the MSGC deadline
- You must develop a budget and work with Sponsored Programs to prepare a transmittal
- Complete & print the online application. Do not submit until notified by SPO
- Deliver all required materials to PHC by noon on 11/9 including printed online application
- Proposals that are not first vetted by SPO will not be considered