Info Session

Michigan Space Grant
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

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

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

<table>
<thead>
<tr>
<th>Proposal Type</th>
<th>Stipends*</th>
<th>Salaries*</th>
<th>Materials and Supplies</th>
<th>Domestic travel</th>
<th>Match</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship</td>
<td>Applicant</td>
<td>Less than $5000</td>
<td>Approved by mentor**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seed Grant</td>
<td>Student</td>
<td>Faculty</td>
<td>Less than $5000</td>
<td>Allowed</td>
<td>one-to-one required</td>
</tr>
<tr>
<td>Program</td>
<td>Manager/Facilitator</td>
<td>Less than $5000</td>
<td>Minimal travel</td>
<td>one-to-one required</td>
<td></td>
</tr>
</tbody>
</table>

*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

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

*All apps require approval letter from institutional representative and online application form*
Michigan Tech Funded Projects

- UG Fellowships
- Grad Fellowships
- Seed Grants
- Programs
- Total

Year: 2014-15, 2015-16, 2016-17

Legend:
- 2014-15
- 2015-16
- 2016-17
Michigan Tech Success Rate

<table>
<thead>
<tr>
<th>Category</th>
<th>2014-15</th>
<th>2015-16</th>
<th>2016-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG Fellowships</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grad Fellowships</td>
<td>70%</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>Seed Grants</td>
<td>40%</td>
<td></td>
<td></td>
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<tr>
<td>Programs</td>
<td>50%</td>
<td>50%</td>
<td>30%</td>
</tr>
</tbody>
</table>
2016-17 Applications

- UG Fellowship
- Grad Fellowship
- Seed Grants
- Programs

Total
Michigan Tech
Funded
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)
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
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.