

The OSGC has five goals to accomplish their mission and in support of NASA's and the National Space Grant Program's goals and objectives for FY2015-2018. The OSGC Strategic Plan, Vision, Mission, Goals and SMART Objectives were redefined, approved and implemented by the OSGC Executive Committee in February, 2015. The specific goals of the program, followed by the SMART objectives are as follows:

### **Goal 1 – Develop a diverse STEM workforce in Ohio and the Nation.**

- NIFS (NASA Internships, Fellowships, and Scholarships)
    - Competitive scholarship and fellowship program at Ohio universities (includes research project + faculty mentors)
    - Internships [with NASA Centers (focus on Glenn Research Center) and with industry]
- 1.1 At least 40 percent of annual student awards [i.e., NIFS (NASA Internships, Fellowships, and Scholarships)] will be made to females to meet NASA's target goal.
  - 1.2 Diversity of annual student awards (i.e., NIFS) will meet or exceed 19.55 percent (OSGC's goal as outlined in Table 265, National Center for Education Statistics.)
  - 1.3 At least 90 percent of supported students will graduate with a STEM degree from an Ohio university each year.
  - 1.4 Annually longitudinally track all students receiving a "Significant" award that identifies the next step. All scholarship, fellowship, and internship awards are classified as "Significant" awards. A minimum of 80 percent of undergraduate students will enter either graduate school in a STEM discipline or enter the STEM workforce. A minimum of 80 percent of Education scholars will enter the K-12 STEM teaching field. A minimum of 80 percent of Fellowship recipients will enter the STEM workforce or academia. A minimum of 95 percent of students receiving internships will indicate that they are likely to enter the STEM workforce or graduate school as a result of the experience (students and mentors complete evaluation form).

**Fellowships**

### **Goal 2 – Engage students and faculty in hands-on STEM research activities.**

- Student-Innovative-Creative-Hands-on Project (SICHOP) grants
  - Faculty Research/Curriculum grants (aligned to NASA research priorities)
- 2.1 Support a variety of student and faculty hands-on STEM research activities annually (i.e., SICHOP/Research/Curriculum grants, internships (NASA Centers and industry).
  - 2.2 Each year, 80 percent of the students receiving a SICHOP grant will report they are more likely to pursue a STEM career or an advanced STEM degree.
  - 2.3 Faculty who receive funding will report increased research capacity and competency in their field as a result of the award.

**Higher  
Education**

### **Goal 3 – Support collaborative STEM research for Ohio faculty and students.**

- Student-Innovative-Creative-Hands-on Project (SICHOP) grants
  - Faculty Research grants (aligned to NASA research priorities)
  - Summer research/internship opportunities (2 HBCUs)
- 3.1 Support at least one faculty/student research grant annually.
  - 3.2 Faculty who receive funding will report increased research capacity and competency in their field as a result of the award.
  - 3.3 Each year, 80 percent of the students receiving a SICHOP grant will report they are more likely to pursue a STEM career or an advanced STEM degree.
  - 3.4 Support at least one student (from an Ohio HBCU) to perform research during the summer at an Ohio-research university.

**Research  
Infrastructure**

**Goal 4 – Increase STEM awareness for Ohio K-12 teachers and students.**

- Exposure to NASA Education materials
  - Teacher Training Programs and Workshops
  - OSGC Mini-grants
- 4.1 At least 90 percent of supported K-12 teachers will report increased knowledge in NASA and STEM content as a result of professional development activity.
- 4.2 At least 90 percent of K-12 teachers receiving a mini-grant will report increased student knowledge in NASA and STEM content as a result of the activity.

**Precollege**

**Goal 5 – Encourage informal educational activities promoting STEM.**

- OSGC Informal Education grants
- 5.1 Fund a minimum of one program annually to increase and engage public awareness in informal STEM activities and NASA opportunities.
- 5.2 Sponsor STEM programs on Ohio university campuses targeted to women and underrepresented minorities (minimum of 1 program per year).

**Informal  
Education**