



# **MAINE SPACE GRANT C O N S O R T I U M**



## **Northeast Regional Space Grant Meeting**

**October 6-7, 2016  
New York, NY**



# Program Portfolio

## **NASA Internships, Fellowships and Scholarships**

- Fellowships and Scholarships Program (~100 students)
- Maine Aerospace Workforce Development Program (5-7 students)

## **Higher Education**

- Maine Student High Altitude Platform Program (25 undergraduate and graduate students)
- Integration of Research In Undergraduate STEM Curriculum Program (pilot)

## **RESEARCH INFRASTRUCTURE**

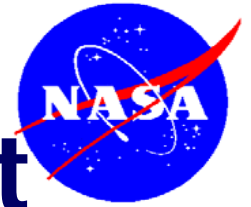
- Faculty Research Seed Grant Program (2-3 projects, 4-6 faculty members)
- Collaborations with Minority Serving Institutions (1 institution, 1 faculty, 2-3 students)
  - College of the Atlantic and faculty from the Trinity Washington University in Washington, D.C.

## **Pre-College**

- MERITS Program (10-12 high school students annually)
- STEM4Me (35-45 middle and high school students and 10 teachers)
- Space Day Maine (2,500 middle and high school students)



# Community College Project



- Southern Maine Community College
- York County Community College

## Program

- Three-semester scholarships
- STEM Scholars Program as a YCCC STEM Learning Community
- Research internships
- Bridge scholarships
- Infusion of NASA contents in SMCC's Oceanography Instrumentation and Capstone Research courses, and YCCC's Biology, Computer Technology and Microbiology courses.
- A Faculty Development Program to train STEM faculty from all Maine Community Colleges on how to infuse NASA contents in their courses.



# Other Activities

## Cornerstones of Sciences

- Patron Experience Model (PEM) - earth and space science activities in collaboration with 60 public libraries in three states over a 4-year period.
- Part of a 5-year, larger initiative - NASA@ My Library: A National Earth and Space Science Initiative That Connects NASA, Public Libraries and Their Communities.
- Goal is to develop effective STEM programs in public libraries using NASA resources and Subject Matter Experts (SMEs) that reach underserved populations (e.g. rural communities) and underrepresented groups.

## Maine STEM Collaborative

- Chair
- Unorganized collaborative – businesses, universities, non-profits and others
- 2016 STEM Summit (November 18, 2016)

## State Science and Technology Plan Update

- Member of Economic Development and Workforce Development working group