

NH SPACE GRANT CONSORTIUM

Established by Congress (Public Law 100-147) in 1988 and implemented through the NASA Office of STEM Engagement, the National Space Grant College and Fellowship Program (known as 'Space Grant') contributes to the nation's space enterprise by funding related research, education, and public service projects through a national network of 52 university-based Space Grant consortia: one in each state, the District of Columbia, and Puerto Rico. Each consortium consists of multiple independent affiliate institutions, such that there is currently a network of over 850 Space Grant institutions nationwide. These affiliates represent more than 600 colleges and universities as well as industry, local government agencies, federal agencies, and nonprofit organizations. A key aspect of the Space Grant Program is that it is a Cost Share program, with federal dollars matched by state and affiliate funding contributions.

NH SPACE GRANT HIGHLIGHTS:

- **New Hampshire Space Grant Consortium (NHSGC)** was established in 1991 as a collaboration between the University of New Hampshire (UNH) and Dartmouth College. In the fall of 1999, through a NASA competitive process, NHSGC became a Designated consortium, the top rating given to consortia. NHSGC now includes seven NH institutions at 20 locations in the state: University of New Hampshire, Dartmouth College, Plymouth State University, the Community College System of NH, the McAuliffe-Shepard Discovery Center, Mount Washington Observatory, and BAE Systems. (See map on following page for full list of locations.)
- **Undergraduate and graduate student STEM workforce development opportunities** sponsored through the consortium include scholarships, fellowships, NASA Center hands-on experiences, conference travel allowances, student symposia support, and individual student and team research experiences. This past year, these student opportunities included summer internships at NASA's Marshall Space Flight Center and Ames Research Center; support for undergraduate research in Earth/Sun magnetohydrodynamics, atmospheric waves, and auroral plasma; mentorship and teaching experience through STEM camps and internships at MSDC; and travel to AGU and Lunar & Planetary Science conferences, among others.
- **NHSGC is committed to diversifying the STEM workforce.** Among directly funded student awardees this past year, 22% are underrepresented participants and 56% are women.
- **Public outreach events include students and citizens across the state.** AerospaceFest and Superstellar Fridays at MSDC, the MWO distance learning programs, Tech Camp for middle and high school students at UNH, and Girls' Tech Day at the Community Colleges, all allow K-12 students to gain hands-on research experience and get a taste of STEM careers and research. A wide range of NASA K-12 resources are also available through our website. For example, with the 50th anniversary of the Apollo missions in full swing this past year, schools and libraries across the state took full advantage of the lesson plans and activities that NASA has to offer.

EXECUTIVE COMMITTEE MEMBERS:

Dr. Antoinette Galvin, Director

University of New Hampshire
toni.galvin@unh.edu

David Heirtzler, Assistant Director

University of New Hampshire
david.heirtzler@unh.edu

Dr. James LaBelle

Dartmouth College

Dr. Eric Hoffman

Plymouth State University

Christine Barton

Community College System of NH

Jeanne Gerulskis

McAuliffe-Shepard Discovery Center

Brian Fitzgerald

Mount Washington Observatory

Peter Bird

BAE Systems North America

BY THE NUMBERS: FY 2020

NASA INTERNSHIPS FELLOWSHIPS & SCHOLARSHIPS

75

UNH: 5

PSU: 17

DARTMOUTH: 12

COMMUNITY
COLLEGES: 39

MSDC: 2

DIVERSITY IN DIRECT-FUNDED AWARDS

56%

FEMALE

22%

UNDER-REPRESENTED
MINORITY OR ETHNIC
GROUPS

INFORMAL EDUCATION & PRE-COLLEGE

>4,000

PARTICIPANTS STATEWIDE

>1,700 K-12 STUDENTS 38 K-12 TEACHERS

engaged via:

McAuliffe-Shepard Discovery Center

Aerospace Festival, STEM camps and clubs

Mount Washington Observatory

Science of Weather and Climate Programs

University of New Hampshire

Tech Camps

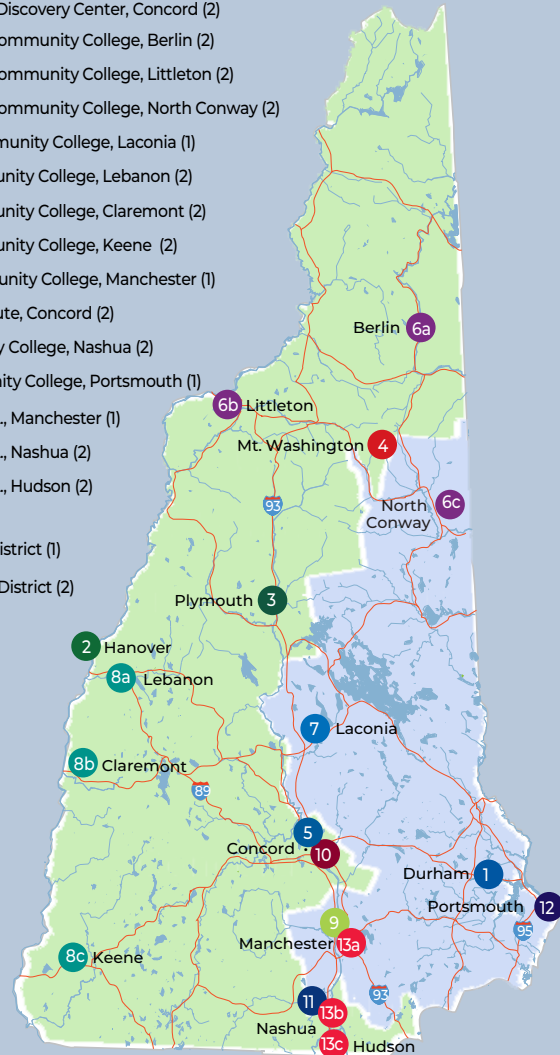
Community College System of NH

Tech career day

New Hampshire Space Grant Affiliates

- 1 University of New Hampshire, Durham (1)
- 2 Dartmouth College, Hanover (2)
- 3 Plymouth State University, Plymouth (2)
- 4 Mt. Washington Observatory, Mt. Washington (2)
- 5 McAuliffe-Shepard Discovery Center, Concord (2)
- 6a White Mountains Community College, Berlin (2)
- 6b White Mountains Community College, Littleton (2)
- 6c White Mountains Community College, North Conway (2)
- 7 Lakes Region Community College, Laconia (1)
- 8a River Valley Community College, Lebanon (2)
- 8b River Valley Community College, Claremont (2)
- 8c River Valley Community College, Keene (2)
- 9 Manchester Community College, Manchester (1)
- 10 NH Technical Institute, Concord (2)
- 11 Nashua Community College, Nashua (2)
- 12 Great Bay Community College, Portsmouth (1)
- 13a BAE Systems of N.A., Manchester (1)
- 13b BAE Systems of N.A., Nashua (2)
- 13c BAE Systems of N.A., Hudson (2)

- 1st Congressional District (1)
- 2nd Congressional District (2)



TESTIMONIALS FROM GRANT RECIPIENTS

"The Space Grant impacted my education and my life in very meaningful ways. It allowed me the privilege and honor of going to school four years in a row, full-time, summers included - to earn two associates degrees in the subjects that I am most passionate about and combine them to bring science, math and early education to children and families. Participation in the space grant program opened a variety of learning experiences, resources and programs to me that further ignited my passion for lifelong learning, teaching, STEM/aerospace, NASA opportunities and advocating for future generations."

*Colleen Ross, 2015/2017 Scholarship recipient,
River Valley Community College*

"I honestly believe that if I hadn't had this internship I would have switched my major and possibly given up on a STEM career. Being an ARC was a truly inspiring experience, and the friends I made will last a lifetime. I'm excited to see what the future holds!"

*Devony Whiting, 2019 NASA Intern, ARC,
UNH Physics Department*

NH STEM STUDENT INTERNSHIPS AND CAREER PLACEMENTS

