

NDSGC *Affiliates*

Bismarck State College
Cankdeska Cikana Community College
Dakota College at Bottineau
Dickinson State University
Gateway to Science
Lake Region State College
Mayville State University
Minot State University
North Dakota Heritage Center
North Dakota State College of Science
North Dakota State University
Nueta Hidatsa Sahnish College
Sitting Bull College
Turtle Mountain Community College
United Tribes Technical College
University of North Dakota
Valley City State University
Williston State College

For more information, please visit:

ndspacegrant.und.edu



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Aurora pictures courtesy of
Jonathan Schiralli, NDSGC alumnus

North Dakota Space Grant Consortium

For Educators



ndspacegrant.und.edu



Supporting ND Educators

Pre-Service Teachers



VCSU Pre-Service Workshop

Workshops

NASA resources and hands-on lesson plans for all grades

Become a paid STEM Ambassador
(See lower right)

NASA established the **National Space Grant College and Fellowship** Program in 1989, creating 52 Space Grant consortia in the program – one from every state (and the District of Columbia and the Commonwealth of Puerto Rico). These affiliates work together to promote STEM (science, technology, engineering, and mathematics) education and provide research opportunities for Americans pursuing STEM careers.

The **North Dakota Space Grant Consortium (NDSGC)** fulfills the Space Grant mission by involving North Dakota faculty, students, and K-12 teachers in multi-institutional, collaborative, NASA-relevant research and education projects, while also educating the North Dakota citizenry about NASA, its purpose, and its missions. For more information, please visit the NDSGC website, at ndsgrantspacegrant.und.edu.

Human Space Flight Laboratory (HSFL) Tours



Free tours at UND are available year-round to Pre-K-12 student groups. Tours last approximately one hour and should be requested at least two weeks in advance.

Tours visit the:

- Spacecraft Simulators and Mission Control
- Interplanetary Rover
- Interplanetary Inflatable Habitat
- Space Suit Laboratory



Near-Space Balloon Competition (NSBC)

Middle and high school student teams launch a science payload to the edge of space, reaching ~100,000 feet! They'll design, construct, and analyze their experiment, becoming real NASA scientists! This state-wide competition comes at no cost to schools and is an exciting accomplishment for students! See blogs.und.edu/nsbc for more information.



In-Service Teachers

Hands-on Workshops for Professional Development Credits Available



STEM Ambassadors

Do you enjoy visiting classrooms and leading fun, interactive K-12 activities? NDSGC's **Science, Technology, Engineering, and Mathematics (STEM) Ambassador** position is available to Education and STEM college students enrolled at any of the NDSGC affiliated institutions. STEM Ambassadors assist NDSGC with public outreach events, hands-on projects, and K-12 educational activities. Students will earn an hourly salary. *Education students are highly encouraged to apply.*

Funding Opportunities

There are additional opportunities available for ND educators. Some include conference attendance and STEM-related competitions (such as FIRST Robotics). Educators need to submit the appropriate proposals and applications for all funding requests. See ndsgrantspacegrant.und.edu for more information.

NASA's Space Academy for Educators



Ellen Krueger, Elementary Education

Selected educators will attend a summer session at Marshall Space Flight Center in Huntsville, Alabama. Participants will train like astronauts, receive fun hands-on STEM lesson plans, meet a real astronaut, and network with other educators!