North Dakota Space Grant Consortium

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The North Dakota Space Grant Consortium (NDSGC) provides and supports opportunities for students, faculty, and educators across North Dakota at K-12 schools and 18 affiliate institutions to participate in hands-on STEM and NASA initiatives. The NDSGC places a significant focus on diversity and inclusion initiatives, including the engagement of program participants from underrepresented and underserved communities in gender, race/ethnicity, and disability status.

All recipients of NDSGC funding must be U.S. Citizens with a minimum GPA of 3.0. Funding opportunities are available to both on-campus and online students enrolled in an NDSGC affiliate institution. Funded faculty and students are expected to complete final reporting requirements and present at the Annual Affiliates Meeting to take place at a different campus across ND each year.
Who: NDSGC affiliate college students of all majors

Summer Deadline: February 1st  
Fall Deadline: June 1st  
Spring Deadline: October 1st

Graduate Student Funding (40 hrs/wk)  
  Fall and Spring — $14,400  
  Summer — $9,000

Undergraduate Student Funding (40 hrs/wk):  
  Fall and Spring — $11,680  
  Summer — $7,300

https://intern.nasa.gov/

Summer sessions are 10 weeks and Fall/Spring sessions are 16 weeks. Part-time positions may be available. Students are limited to one NASA internship supported by the NDSGC per degree program. Contact the NDSGC if you are applying for a NASA internship. Once you have applied on the NASA website, submit position selections to the NDSGC: https://tinyurl.com/NDSGCInterns.
RESEARCH Fellowships
Who: NDSGC affiliate college students in STEM fields

Application Deadlines:
   Fall: Aug. 14th; Spring: Dec. 1st; Summer: April 15th

Undergraduate Students:
   $3,600 in Fall/Spring; $2,250 in Summer

Graduate Students:
   $4,500 in Fall/Spring; $2,850 in Summer

https://ndspacegrant.und.edu/fellowships/students.html

Research fellowships are available to students completing NASA-relevant research in a STEM field under the guidance of a faculty mentor. Students receiving ½ time GA appointments are not eligible for fellowships. Students receiving ¼ time GA funding are eligible for partial fellowships. Students are expected to spend ~15 hours/week on their research projects. Students are limited to two research fellowships supported by the NDSGC per degree program.
Who: NDSGC affiliate college students transitioning between STEM degree programs

Application Deadline: June 1st

Undergraduate Students: $1,200 for two-week session
Graduate Students: $1,500 for two-week session

https://ndspacegrant.und.edu/fellowships/bridge-program.html

The Fellowship Bridge Program provides funding for students completing summer research projects in STEM fields. Students in the Bridge fellowship program complete a two-week research project under a faculty mentor in a STEM field, working 40 hours/wk. This program is open to students who have completed a post-secondary degree and are enrolling in an additional higher degree program at the same or a different NDSGC affiliate institution. This transition could be from A.S. to B.S., B.S. to M.S., B.S. to Ph.D., or M.S. to Ph.D.
Travel Grants

Who: NDSGC affiliate college students in STEM fields

Application Deadline: rolling applications

Funding: up to $1,000

https://ndspacegrant.und.edu/travel-grants.html

Students who will be presenting their STEM or NASA-relevant research at a conference or attending a professional development workshop are eligible to apply for travel assistance from the NDSGC to cover associated costs (e.g. airfare, ground transportation, per diem, hotel, registration, etc.). International travel is not supported. Students are eligible to receive one travel grant per degree program.
**UNDERGRADUATE Scholarships**

Who: NDSGC affiliate college students in STEM fields (excludes UND and NDSU)

Application Deadline: varies by campus

Funding: up to $2,500 per scholarship

https://ndspacegrant.und.edu/scholarships/undergraduate.html

Students must work with their campus representatives in the Office of Financial Aid and/or STEM faculty to apply for NDSGC undergraduate scholarships. These scholarships are offered on an annual basis in the fall or spring semesters. Details vary by campus. Contact the NDSGC to be connected to your campus representative.

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**AMERICAN INDIAN Scholarships**

Who: American Indian/Native American students at NDSGC affiliate tribal colleges

Application Deadline: varies by campus

Funding: $2,500

https://ndspacegrant.und.edu/scholarships/american-indian.html

Students applying for the American Indian Scholarship must be pursuing a degree in a STEM field, and have plans to continue their education beyond their current degree program. NDSGC Tribal Colleges include: United Tribes Technical College, Sitting Bull Community College, Nueta Hidatsa Sahnish College, Turtle Mountain Community College, and Cankdeska Cikana Community College.
LILLIAN GOETTLER Scholarship

Who: NDSU student in STEM field who identifies as female or outside the gender binary

Application Deadline: February 15th
Funding: $2,500
https://ndspacegrant.und.edu/scholarships/lillian-goettler.html

Students applying for the Lillian Goettler Scholarship must have a minimum GPA of 3.5. This annual award was established to honor the ideals of scholarship as exemplified by Lillian Goettler, a distinguished NDSU professor. She was awarded a doctorate in Mechanical Engineering from the University of Massachusetts Amherst, and came to NDSU in 1978.

PEARL I. YOUNG Scholarship

Who: UND student in STEM field who identities as female or outside the gender binary

Application Deadline: February 15th
Funding: $2,500
https://ndspacegrant.und.edu/scholarships/pearl-i-young.html

Students applying for the Pearl I. Young Scholarship must have a minimum GPA of 3.5. This annual award was established to honor the ideals of scholarship as exemplified by Pearl I. Young. Raised in North Dakota, Young graduated from UND in 1919 as a Phi Beta Kappa with a triple major in physics, mathematics, and chemistry. Young, a trailblazer in aeronautics, went on to have a career with the NACA, NASA, and academia.
STEM Ambassadors
Who: NDSGC affiliate college students of all majors

Application Deadline for Summer Appointments: April 15th

Application Deadline for Academic Year Appointments: June 1st

Funding: $15/hr

https://ndspacegrant.und.edu/stem-ambassadors.html

STEM Ambassadorships are open to students who are self-motivated, enjoy interacting with K-12 students, teachers, and the general public, and have excellent communication skills. Students are paid hourly to conduct STEM and NASA outreach (hands-on activities, demonstrations, and presentations) throughout the year. This is a flexible position with no minimum hour requirements. Students majoring in Education and STEM fields are highly encouraged to apply. Students are eligible to reapply each year that they are enrolled at an NDSGC affiliate institution. STEM Ambassadors will participate in an annual training at UND with educational strategies and hands-on activities.
Who: In-service and pre-service ND educators

https://ndspacegrant.und.edu/teacher-workshops/index.html

The NDSGC conducts workshops across the state for K-12 teachers, informal educators, and college students majoring in Education fields at NDSGC affiliate institutions. In-state opportunities include hands-on presentations at the ND STEAM Conference, ND Council of Teachers of Mathematics and ND Science Teachers Association Meetings, and other workshops coordinated by ND Regional Education Associations (REAs). The NDSGC conducts a “NASA in the Classroom” 15-hour workshop each year in a rotating location in ND. This workshop is open to all ND educators and participants earn one professional development credit.

ND educators may also request STEM Ambassadors to visit their schools to conduct hands-on NASA and STEM investigations with their students each year.
Space Exploration Educators Conference (SEEC)
https://spacecenter.org/educator-resources/teachers-seec/
SEEC is an annual conference hosted by Space Center Houston and NASA's Johnson Space Center for educators from around the world. Attend hands-on sessions led by NASA scientists, industry engineers, and fellow educators. Network with educators, bring back a multitude of cross-curriculum ideas and activities, and earn 24 hours of professional development credit. Applications are due in November for the February Conference.

Space Academy for Educators
https://spacecamp.com/space/educators
“Experience the authenticity of simulated space missions so you can teach with authority and inspiration! Step out of the box and into mission training to learn methods for delivering the excitement of space exploration in your classroom with Space Academy® for Educators.” Applications are due in early spring for one of the 5-day sessions that occur from June through August each year.

Contact the NDSGC team to be added to the ND Educator email listserv to stay up to date on educator opportunities!
Who: STEM faculty at NDSGC affiliate institutions

Application Deadline: varies, annual call for proposals

Funding: ~$15,000 - $20,000 per award

https://ndspacegrant.und.edu/research.html

The NDSGC awards 1-2 Faculty Seed Research Grants each year for STEM and NASA-relevant research awards. Examples of research areas include: 1) astronomical/planetary science research, 2) planetary space suit research, 3) Earth sciences research, 4) materials sciences research, and 5) small satellite design, development, and construction. Preference is given to non-research institution faculty, early-career faculty, and collaborative efforts across disciplines and institutions. Faculty are encouraged to fund student researchers, consider NDSGC diversity initiatives, and partner with NASA researchers on projects.
COURSE DEVELOPMENT

Grants

Who: faculty at NDSGC affiliate institutions

Application Deadline: April 15th

Funding: $4,500

https://ndspacegrant.und.edu/fellowships/faculty.html

The NDSGC funds up to 6 faculty course development grants each summer. These grants are designed to assist faculty in creating or revising a college-level course that is in a STEM or STEM Education field and is NASA-relevant. The overall goal of this program is to increase the exposure of college students to NASA and NASA research. Preference will be given to North Dakota faculty in four-year or two-year colleges, and faculty who have not received a faculty fellowship the previous summer.
STUDENT

Competition Teams
Who: NDSGC affiliate college students of all majors and ND K-12 student teams

Application Deadline: November 15th

Funding: up to $8,000 per team

https://ndspacegrant.und.edu/student-projects.html

Examples of teams funded by the NDSGC in previous years include: NASA Robotics Mining, NASA Lunabotics, NASA Student Launch, AIAA Design/Build/Fly, FIRST Robotics, Student Spaceflight Experiments Program (SSEP) on the International Space Station, First Nations Launch, NASA Human Powered Rover, High Altitude Student Platform, High Power Rocketry, etc. First year teams are eligible for up to $2,000 in funding. Funding amounts available per team vary each year. Students may apply for funding to cover materials and travel related to the competition. Students interested in participating in a STEM-relevant or NASA competition should contact the NDSGC.
Who: faculty and staff at NDSGC affiliate institutions

Application Deadlines:
Fall: Sept. 1st; Spring: Dec. 1st; Summer: April 15th

Funding: up to $1,000

The NDSGC is able to support representatives at NDSGC affiliate institutions with funding to support STEM and NASA-relevant initiatives. These mini grants are open to NDSGC affiliate representatives who are hosting or participating in research or education events related to STEM and/or NASA. Examples of such events include: Family Science Days, Water Festivals, Marketplace for Kids, Science Olympiad, and STEM Exploration Days. These Affiliate Mini Grants can also be geared toward college level initiatives, such as materials funding for STEM courses and research, or travel funding for college students to participate in field research related to their STEM courses. Preference will be given to affiliate representatives at non-research institutions and affiliate representatives who have not received a mini grant in the previous year.
Mini-Grants

Who: NDSGC affiliate college students conducting STEM research

Application Deadlines:
Fall: Sept. 1st;
Spring: Dec. 1st;
Summer: April 15th

Funding: up to $1,000

Mini-grants are available for undergraduate and graduate students who are completing STEM- or NASA-relevant research that directly affects their thesis or dissertation. All students who meet this criteria are eligible to apply. These mini-grants will be awarded each semester and may include materials funding. All funds will be distributed on a competitive basis and released depending on the current fiscal year’s budget. Students requiring only travel expenses are encouraged to consider the NDSGC Travel Grants. Students who have already completed research through the NDSGC (having earned a fellowship, mini-grant, or internship) are eligible to apply for the NDSGC to cover publication fees under this program.
Who: ND K-12 teachers and students

The NDSGC supports many STEM initiatives at the K-12 or pre-college level. Examples of such opportunities include support for FIRST Robotics, FIRST Lego League, and Student Spaceflight Experiments Program (SSEP), which enables students to launch experiments to the International Space Station. The NDSGC also leads statewide competitions for middle and high school teams, such as the Near-Space Balloon Challenge, where teams design and build science and engineering payloads to be launched on high altitude balloons. The NDSGC regularly collaborates with affiliate institutions to conduct space camps for K-12 students, which include hands-on NASA investigations.

Contact the NDSGC team to be added to the ND Educator email listserv to stay up to date on educator opportunities!
Who: ND K-12 and informal educators

Application Deadlines:
   Fall: Sept. 1st; Spring: Dec. 1st; Summer: April 15th

Funding: Up to $1,000

These mini grants are open to ND K-12 and informal educators who are teaching, hosting, or participating in research or education initiatives related to STEM and/or NASA. These mini grants can include but are not limited to: STEM-relevant field trips, materials and resources that enhance the STEM classroom, and participation in NASA-relevant or STEM challenges at local, regional, and national levels. Examples of funding support include: materials for science labs or school-wide Family STEM Nights, travel support for students, etc. Preference will be given to educators in rural or Tribal communities and educators who have not received a mini grant in the previous year.

Contact the NDSGC team to be added to the ND Educator email listserv to stay up to date on educator opportunities!
NORTH DAKOTA SPACE GRANT

AFFILIATES

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

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