

APPLICATION

Fellowship applications may be obtained from the OSGC University Campus Representative (refer to the list provided), or downloaded from the OSGC website at the following link:

<http://www.osgc.org/fellowship.html>

Prospective applicants are encouraged to review the application package with their Advisor and/or Campus Representative before completing the application. It is the student's responsibility to request Letters of Recommendation and transcripts in sufficient time to meet the deadline. There will be no exceptions for late applications.

The application package must include the following:

- Completed Application Form (includes Personal Objective Statement and proposed research project)
- Research Program Proposal
- Resume
- Listing of Publications and Presentations
- Unofficial Transcripts (both undergraduate and any previous graduate work)
- Certification (both Student Signature and Campus Representative Signature required).

DEADLINE TO APPLY

The completed application package must be submitted to the Campus Representative by **February 1**. Applications are due to the OSGC Program Office by Mid-February.

EVALUATION AND SELECTION

Initial evaluation and selection will be by a faculty committee at each participating university. Applicants will be evaluated separately. Final selection will be by a joint OSGC Committee. Selection is competitive and will be made based on a combination of factors including: academic achievement, GPA, honors, awards, extracurricular activities, personal background, work experience, letters of recommendation, prior publications, and quality of proposed research project and be in alignment to one of the NASA Mission Directorates. Preference will be given to students beginning, or in the first year, of the program for which they are applying.

It is anticipated that three to four Master's Fellowships will be awarded. Written notification of the Fellowship awards will be mailed in the Spring.

Fellowship awards are contingent on appropriate funding from NASA.

CAMPUS REPRESENTATIVES

Case Western Reserve University

Dr. Roger D. Quinn
Arthur P. Armington
Professor of Engineering
10900 Euclid Avenue
818 Glenman Building
Cleveland, OH 44106
Phone: (216) 368-3222
rdq@case.edu

Cleveland State University

Dr. Wei Zhang
Assistant Professor
Faculty Advisor of the Society of
Women Engineers (SWE) Chapter
Mechanical Engineering Department
1960 East 24th Street – FH 233
Phone: (216) 687-2595
w.zhang13@csuohio.edu

Kent State University

Dr. Joseph D. Ortiz
Professor, Department of Geology
Center for Ecology and Natural
Resources Sustainability
800 East Summit Street
McGillvrey Hall 336
Kent, OH 44242-0001
Phone: (330) 672-2225
jortiz@kent.edu

Miami University

James Moller, Ph.D., P.E.
Associate Professor
Mechanical and Mfg. Engineering
650 East High Street
Garland Hall
Room 56F
Oxford, OH 45056-1462
Phone: (513) 529-0715
mollerjc@miamioh.edu

The Ohio State University

Dr. Mo Samimy, Professor
The John B. Nordholt Professor of
Mechanical & Aerospace Eng.
University Distinguished Scholar
Aerospace Research Center
2300 West Case Road
Columbus, OH 43235-7531
Phone: (614) 292-5012
samimy.1@osu.edu

Ohio University

Dr. Shawn Ostermann
Associate Dean
Russ College of Engineering
and Technology
Stocker Center
Room 153
Athens, OH 45701-2979
Phone: (740) 593-1482
ostermann@ohio.edu

The University of Akron

Dr. Craig C. Menzemer
Associate Dean
Graduate Studies & Administration
College of Engineering
302 Buchtel Common, ASEC 201
Akron, OH 44325-3901
Phone: (330) 972-7911
cmenze@uakron.edu

University of Cincinnati

Dr. Kelly Cohen
Professor of Aerospace Engineering
& Engineering Mechanics
Co-Director, UAV MASTER Lab
College of Eng. & Applied Science
Rhodes Hall – Room 735
Cincinnati, OH 45221-0070
Phone: (513) 556-3523
Kelly.Cohen@uc.edu

University of Dayton

Dr. Robert J. Wilkens
Associate Dean for Research
and Innovation
Professor, Department of Chemical
and Materials Engineering
300 College Park
Kettering Lab – Room 564C
Dayton, OH 45469-0228
Phone: (937) 229-2736
wilkens1@udayton.edu

The University of Toledo

Dr. Lesley M. Berhan
Associate Dean of Diversity,
Inclusion, & Comm. Engagement
Associate Professor
Mechanical, Ind. & Mfg. Eng.
2801 West Bancroft Street
5004 Nitschke Hall, Mail Stop 310
Toledo, OH 43606
Phone: (419) 530-8220
lesley.berhan@utoledo.edu

Wright State University

Mitch Wolff, Ph.D.
Professor, Mech. & Materials Eng.
College of Eng. and Comp. Sci.
3640 Colonel Glenn Highway
Russ Engineering Center 123
Dayton, OH 45435-0001
Phone: (937) 775-5141
Mitch.Wolff@wright.edu

Youngstown State University

Dr. Kevin J. Disotell
Assistant Professor
Dept. of Mechanical, Industrial,
and Manufacturing Engineering
One University Plaza
Moser Hall, Room 2510
Youngstown, OH 44555
Phone: (330) 941-3114
kjdisotell@ysu.edu



2020-2021

GRADUATE

FELLOWSHIP

PROGRAM

ANNOUNCEMENT



<http://www.osgc.org/>

Follow OSGC on:



MASTER'S FELLOWSHIP PROGRAM

The Ohio Space Grant Consortium (OSGC) and its Affiliate member universities offer graduate Master's Fellowships to students who are United States' citizens and have demonstrated the ability and aptitude for advanced study in a Science, Technology, Engineering, and Mathematics (**STEM**)- related discipline. Fellowships are funded by Congress to the National Space Grant College and Fellowship Program and administered by the National Aeronautics and Space Administration (NASA). Matching funds and tuition waivers are provided by universities.

All OSGC fellowship recipients can receive additional compensation from grants, etc., but should not simultaneously hold another major Federal fellowship award or any full-time employment, and the additional compensation does not require duties in addition to their OSGC obligations. Fellowships are awarded to United States' citizens, and who are full-time students in Master's programs at the following member universities.

ELIGIBLE UNIVERSITIES

- Case Western Reserve University
 - Cleveland State University
 - Kent State University
 - Miami University
 - The Ohio State University
 - Ohio University
 - The University of Akron
 - University of Cincinnati
 - University of Dayton
 - The University of Toledo
 - Wright State University
 - Youngstown State University

SAMPLE STEM-RELATED DISCIPLINES

- Aeronautical Engineering
- Aerospace Engineering
- Astronomy • Astrophysics
 - Biology
- Biomedical Engineering
- Chemical Engineering
 - Chemistry
 - Civil Engineering
- Computer Science and Engineering
 - Control Engineering
 - Electrical Engineering
 - Engineering Mechanics
 - Industrial Engineering
 - Geology
 - Manufacturing Engineering
- Materials Science and Engineering
 - Mathematics
 - Mechanical Engineering
 - Nuclear Engineering
 - Petroleum Engineering
 - Physics
 - Radiological Engineering
- Science • Systems Engineering
 - Welding Engineering

RESEARCH AREAS OF INTEREST

- Astrobiology
- Aerospace Applications
 - Bio-Processes
 - Combustion
 - Communications
 - Computational Systems
- Electronics • Electro-Optics
 - Fluid Mechanics
 - Heat Transfer
- Instrumentation and Controls
 - Materials
 - Mechanics
- Power Technology
 - Remote Sensing
 - Robotics
- Solid State Physics
 - Structures

ELIGIBILITY

Fellowships are open to full-time students enrolled in a Master's Degree program in a STEM-related discipline at one of the Affiliate member universities. Applicants must have applied to the graduate school of one of the universities and must expect to have completed the Bachelor's Degree before the Fall 2020 term. Underrepresented Minority students, women, and persons with disabilities are encouraged to apply.

PROGRAM REQUIREMENTS

Master's Fellowship recipients are required to propose and initiate a research project under the guidance of a faculty member. The research must be in direct alignment with one of the following four (4) NASA Mission Directorates: [Aeronautics Research Mission Directorate](#) (ARMD); [Human Exploration and Operations Mission Directorate](#) (HEOMD); [Science Mission Directorate](#) (SMD); and [Space Technology Mission Directorate](#) (STMD). Fellows are required to attend the annual Student Research Symposium and make a PowerPoint presentation on their research project.

AWARD AND TENURE

Awards to Master's students are **\$20,000** (\$17,000 from NASA and \$3,000 from the university, plus a tuition waiver) for the academic year (2 semesters). OSGC will provide the funding to the university in late Summer. The fellowship may be extended for an additional six-month period if the student's academic performance is acceptable, good progress has been made on the research project, and upon approval of the Campus Representative. Master's 1 recipients who are interested in an extension are encouraged to follow up with their Campus Representative about their school's policy.

Note that no indirect charges are allowed by the university for Master's fellowship awards.

