

## 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/>

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 signatures 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 (Signature approval by Advisor required).
- Letters of Recommendation (2)
- Resume
- Listing of Publications and Presentations
- Unofficial Transcripts (both undergraduate and any previous graduate work)
- Certification (both Applicant 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](mailto: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](mailto: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  
McGilvrey Hall 336  
Kent, OH 44242-0001  
Phone: (330) 672-2225  
[jortiz@kent.edu](mailto: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](mailto: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](mailto: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](mailto:ostermann@ohio.edu)

### The University of Akron

Dr. Julie Zhao  
Assistant Dean, Recruiting,  
Retention, and Marketing  
302 Buchtel Common, ASEC-203D  
Phone: (330) 972-2823  
[zhao1@uakron.edu](mailto:zhao1@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](mailto: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  
[rwilkens1@udayton.edu](mailto:rwilkens1@udayton.edu)

### The University of Toledo

Dr. Lesley M. Berhan  
Associate Dean of Diversity,  
Inclusion, & Comm. Engagement  
Associate Professor  
Mechanical, Ind. & Mfg. Eng.  
1610 North Westwood Avenue  
Nitschke Hall, Room 5004  
Toledo, OH 43606  
Phone: (419) 530-8220  
[lesley.berhan@utoledo.edu](mailto: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](mailto:Mitch.Wolff@wright.edu)

### Youngstown State University

Dr. Kevin J. Disotell  
Assistant Professor  
Mechanical Engineering  
Rayen School of Engineering  
One University Plaza  
Moser Hall, Room 2510  
Youngstown, OH 44555  
Phone: (330) 941-3114  
[kidisotell@ysu.edu](mailto:kidisotell@ysu.edu)



# 2021-2022

# 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 2021 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 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 Advisor and Campus Representative.

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

