

ALABAMA SPACE GRANT CONSORTIUM

2010-2011 Scholarship Program

Scholarships for Undergraduate Students



Participating Consortium Members:

Alabama A&M University
Auburn University
The University of Alabama
The University of Alabama at Birmingham
The University of Alabama in Huntsville
University of South Alabama
Tuskegee University

Alabama Space Grant Consortium Program Office:

The University of Alabama in Huntsville
301 Sparkman Drive, MSB 205
Huntsville, AL 35899
Phone: (256) 824-6800
Fax: (256) 824-6061
spacegrant@uah.edu

Online Application: www.uah.edu/ASGC/applications.php



ALABAMA SPACE GRANT CONSORTIUM

Scholarship Program

Program Summary

A Program to Encourage Students to Train for Careers in Professional Aerospace Fields.

The Alabama Space Grant Consortium (ASGC), as a participant in the National Space Grant College and Fellowship Program (NSGCFP), invites applicants for NASA Space Grant Undergraduate Scholarships for study in fields related to space at one of its seven member institutions. We are particularly interested in encouraging students from traditionally underrepresented groups.

Space related fields include any academic discipline or field of study (including the physical, natural, and biological sciences; engineering; education; economics; business; sociology; behavioral sciences; computer science; communications; law; international affairs; and public administration) that is concerned with or likely to improve the understanding, assessment, development and utilization of space.

A significant goal of the NSGCFP is to encourage interdisciplinary training and research, to train professionals for careers in aerospace science, technology and allied fields. The value of award is \$1,000 for one academic year.

Scholarship awards will be based on academic excellence, the student's accomplishments and description of their career intentions towards an aerospace career. Successful applicants will be individuals whose field of study and career interests are compatible with NASA's aerospace, science and technology programs. Scholarship awardees will be required to submit a final report which consists of information on the aerospace related research that is being conducted on, or around, their campus by completing at least four researcher interviews during the scholarship year. As an alternative to the Researcher Interviews, scholars may participate in an Outreach Activity under the guidance of their Campus Director. The undergraduate scholarships will be renewable following competitive review each year, with an individual limit of 24 months (two years). Applications for the undergraduate scholarships may be submitted as early as the final term of the sophomore year.

All scholarship applicants must be U.S. citizens, full-time students, sponsored by a participating consortium member institution, have at least a 3.0 grade point average on a 4.0 scale, and complete an online application.

General Information

Award Level

Undergraduate scholarship awards are made initially for one academic year and may be renewed for an additional academic year for a total award of 24 months (two years). The scholarship award is limited to a maximum of \$1,000 student stipend. Awards will be announced in mid-April, with funding provided to students through the universities for the next academic year. Normally, the student's tuition account will be credited after registration. While the student may or may not be engaged in research work, the scholarship may not be regarded as payment for such work, or any other work. Awards are subject to availability of NASA funding.

Renewal Applications

Undergraduate scholarships may be renewed for one additional year. Renewals are NOT automatic. Applications for renewal are competitive with new applications. Requests for renewal are to be submitted in the same format as new applicants fulfilling all requirements, but should also include a brief statement outlining their academic progress, documentation of accomplishments, any changes from their original academic and career goals statement and academic grades for the previous year. A satisfactory student-written report from the prior year shall be on file at the ASGC Program Office at time of application.

Eligibility Requirements

The Undergraduate Scholarship applicant must be:

- A U.S. citizen.
- Pursing a bachelor's degree in a field related to space.
- Enrolled as a full-time student and classified as a junior or senior at an ASGC member University.
- In good academic standing with a GPA of at least 3.0 on a 4.0 scale.

Undergraduate Scholarship Application

Applicants must click "new user registration" button to begin the online application. All applications must be received by **Monday, March 1, 2010**. Letters of recommendation must be submitted by the reference by **Friday, March 5, 2010**.

Interested students must complete an online application found at the following link: <http://www.uah.edu/ASGC/applications.php>. Please read all program guidelines including applicant eligibility and reporting requirements before submitting your application. The application must be submitted online and all information must be completed or the application will not be reviewed. Applications may be submitted as early as the final term of the sophomore year. After an online preliminary screening by the Campus Director, applications for final consideration will be reported by the Campus Director to the Consortium Director for review by the ASGC Management Team. Successful applicants will be announced in mid-April. Starting dates for new awards will generally be expected to coincide with normal academic term starting dates. The key components of the application are discussed in more detail below.

- **Student Resume:** A brief resume of the applicant must be submitted as a PDF in the online application. The student's resume should include a short summary of education, training and accomplishments both inside and outside the educational world.
- **Transcripts:** Unofficial transcripts from all institutions and from the current institution with most recent grades are required and can be submitted as a PDF in the online application. If the applicant does not have a PDF conversion tool, links to free online PDF converters are provided within the application. Applicants must also submit one "official" copy from the current institution with most recent grades for verification purposes to the Program Office by **Friday, March 5, 2010**.

- **Letters of Recommendation:** Applicants are required to provide the names and contact information for two references of which one must be the applicant's current faculty advisor. The faculty advisor must provide a recommendation as to the acceptability of the student for the scholarship, a clear statement of the advisor's willingness to advise the student, and the nature of any past or present experience with the student. The letters should be addressed to the appropriate campus director and once you have submitted your online application, both of these individuals will be contacted via email by AL Space Grant to request a letter of recommendation on behalf of the applicant. References will be provided with a link to submit the recommendation. For the application to be complete, both letters of recommendation must be submitted by the mentioned due date. AL Space Grant suggests that applicants contact the references listed and inform them that they will receive an email requesting this information on their behalf (applications@spacegrant.org).
- **Academic and Career Goals Statement:** The academic and career goals statement should briefly describe the student's views of careers in aerospace science or engineering, how they see themselves in such a career and what they hope to accomplish both inside and outside of the educational world.

Awardee Requirements

Awardees are required to submit a final report (via email) to the Consortium Program Office (spacegrant@uah.edu) at the end of their award period. The report should consist of information on the aerospace-related research being conducted on, or around, their campus of interest to the student by completing at least four Researcher Interviews during the scholarship year. A "Researcher Interview Form" is included in this application package (may be duplicated). It is recommended students conduct two interviews in the fall and two in the spring and not to wait until the last minute to complete them. As an alternative to the interviews, students may participate in an Outreach Activity under the guidance of their Campus Director and can submit a brief reporting outlining which Outreach Activity you participated in (this will serve as the final report).

Additionally, awardees must:

- Provide a photo and biographical information upon selection;
- Inform the Consortium Program Office of changes of address; and
- Respond to academic and employment follow-up surveys administered by AL Space Grant as required by NASA.

Disposition of Unused Funds

If a student is unable to complete their academic program in the year of the award, a prorated share of scholarship funds must be returned to the ASGC Program Office at UAH and their scholarship will be terminated. Scholarship funds are not transferable.

Inquiries

Questions concerning the preparation and submission of applications and the administration of this program may be directed to the appropriate campus director or to the ASGC Program Office at UAH.

Equal Opportunity

Applicants for the Undergraduate Scholarship Program will be considered for appointment as NASA Space Grant Scholars without regard to race, creed, color, age or handicap.

Acknowledgement

Any written materials supported in part from this award shall acknowledge the ASGC NASA Training Grant #NNG05GE80H.



Alabama Space Grant Consortium Program Office
The University of Alabama in Huntsville
301 Sparkman Drive, MSB 205
Huntsville, AL 35899
Phone: (256) 824-6800 • Fax: (256) 824-6061
spacegrant@uah.edu
www.uah.edu/ASGC/

Aerospace Researcher Interview Form

Scholarships for Undergraduate Students

Student Name: _____ Date of Interview: _____

Researcher: _____ Department: _____

Researcher Email: _____ Researcher Title: _____

Research Project: _____

Research Sponsor: _____

Include the following in your final report:

- Describe the aerospace-related research work
- Names of faculty/staff involved
- Names of students involved including status (graduate or undergraduate)
- How does this research contribute to NASA's mission?
- Which of NASA's mission directorates does this research address?
- Other relevant details or comments

Certification:

I certify that the above named student interviewed me concerning the aerospace-related research projects that I am conducting.

Researcher Signature

Date

Management and Administration

The Alabama Space Grant Consortium is composed of seven Ph.D. granting universities in the state of Alabama: Alabama A&M University, Auburn University, The University of Alabama, The University of Alabama at Birmingham, The University of Alabama in Huntsville, University of South Alabama and Tuskegee University. The Alabama Space Grant Program is administered by The University of Alabama in Huntsville, a Space Grant College.

The Consortium Director and a Campus Director on each of the seven campuses constitute the Consortium Management Team. The names, addresses, and phone numbers are as follows:

Dr. John C. Gregory
Director

Alabama Space Grant Consortium
The University of Alabama in Huntsville
301 Sparkman Drive, MSB 111
Huntsville, AL 35899
Phone: (256) 824-6028
Fax: (256) 824-6061
gregoryj@uah.edu

Ms. Debora Nielson
Assistant Director

Alabama Space Grant Consortium
The University of Alabama in Huntsville
301 Sparkman Drive, MSB 205
Huntsville, AL 35899
Phone: (256) 824-6800
Fax: (256) 824-6061
debn@eng.uah.edu

Campus Directors:

Alabama A&M University

Dr. V. Trent Montgomery
Dean, School of Engineering & Technology
Room 226, ETB, P.O. Box 1148
Normal, AL 35762
Phone: (256) 372-5560
Fax: (256) 372-5580
trent.montgomery@aamu.edu

Auburn University

Dr. David Beale
Dept. of Mechanical Engineering
354 Ross Hall
Auburn University, AL 36849
Phone: (334) 844-3336
Fax: (334) 844-3307
dbeale@eng.auburn.edu

The University of Alabama

Dr. John Baker
Dept. of Mechanical Engineering
Box 870276
Tuscaloosa, AL 35487-0276
Phone: (205) 348-4997
Fax: (205) 348-6419
john.baker@eng.ua.edu

The University of Alabama at Birmingham

Dr. Yogesh K. Vohra
Dept. of Physics
1300 University Blvd., 310 Campbell Hall
Birmingham, AL 35294-1170
Phone: (205) 934-6662
Fax: (205) 934-8009
ykvohra@uab.edu

The University of Alabama in Huntsville

Dr. Gerald R. Karr
Dept. of Mechanical & Aerospace Eng.
Technology Hall, N257
Huntsville, AL 35899
Phone: (256) 824-6330
Fax: (256) 824-6758
karr@eng.uah.edu

University of South Alabama

Dr. John W. Steadman
Dean's Office, College of Engineering
EGCB 108, 307 University Blvd.
Mobile, AL 36688-0002
Phone: (251) 460-6140
Fax: (251) 460-6343
jsteadman@usouthal.edu

Tuskegee University

Dr. Gregory V. Murphy
Dept. of Electrical Engineering
316 Luther H. Foster Hall
Tuskegee, AL 36088
Phone: (334) 727-8995
Fax: (334) 724-4806
gvmurphy@ieee.org