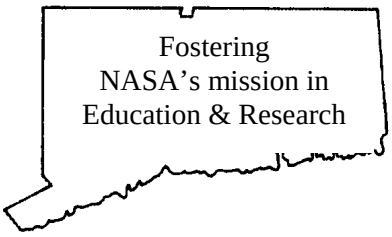
Connecticut Space Grant College Consortium



Student Programs

Consortium Four-Year & Graduate Colleges

Graduate Fellowship
Undergraduate Fellowship
Summer (*Full-Time*)/Academic Year (*Part-Time*) Internship
Summer 2010 Helicopter Training Workshop
Student Project
Senior Design Project
Travel Grant
NASA Academy Grants

Community Colleges

CT Community Colleges' College of Technology Fellowships

Updated: October 1, 2009

History: In order to encourage broader participation in NASA research programs, Trinity College, University of Connecticut, University of Hartford, and the University of New Haven formed the Connecticut Space Grant College Consortium in 1991. The philosophical intent of this program was, and continues to be, to build a research infrastructure in Connecticut which supports the aerospace, space science, engineering and technology related initiatives of federal and state government and private industry.

Research infrastructure includes all factors that promote the development and maintenance of research activity. These include, but are not limited to, faculty and student seed funds for research, development or revision of curricula, and travel to use NASA facilities, cultivate collaborative arrangements or proposal contacts, technical support, and dissemination of research results. Due to the relatively small size of awards, the applicant should be aware that the Consortium is interested in supporting scholars new to their fields, and those experienced researchers who are looking to redirect their research or refocus on NASA's objectives. These funds are seed money and not a replacement for other sponsored research funds or institutional funds.

Contact Points: Each **Consortium Member** institution has a NASA Campus Director (listed below). Questions should be directed to that person. If you are unable to contact the appropriate NASA Campus Director, inquiries may be directed to the Consortium Office.

Dr. Alfred Gates, NASA Campus Director
Central Connecticut State University
School of Technology
1615 Stanley Street
New Britain, CT 06050
860-832-1823
gatesa@ccsu.edu

Dr. Harry Blaise, NASA Campus Director
Trinity College
Department of Engineering
300 Summit Street
Hartford, CT 06106
860-297-2225 860-297-3531 (fax)
harry.blaise@trincoll.edu

Dr. Carl Barratt, NASA Campus Director
University of New Haven
Mech/Civil & Environmental Engineering
300 Orange Avenue
West Haven, CT 06516
203-932-7396 cbarratt@newhaven.edu

Dr. Karen Wosczyna-Birch, NASA Campus Dir.
CT Community Colleges' College of Technologies
61 Woodland Street
Hartford, CT 06105
860-677-8966
karenlee@snet.net
www.nextgenmfg.org www.commnet.edu

Dr. Junling (Joyce) Hu, NASA Campus Director
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Department of Mechanical Engineering
221 University Avenue
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203-576-4757 203-576-4343 (Fax)
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Dr. Martha Gilmore, NASA Campus Director
Wesleyan University
Earth & Environmental Sciences
265 Church Street
Middletown, CT 06059
860-685-3129 860-685-3651 (Fax)
mgilmore@wesleyan.edu

Dr. Elizabeth A. Cowles, NASA Campus Director
Eastern Connecticut State University
354 Science Building
83 Windham Street
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860-465-4385 860-465-5213 (Fax)
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Director, Graduate Program, Biomed. Engineering
Room 205, A.B. Bronwell Building
University of Connecticut
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203-254-4000 x2501 203-254-4013 (Fax)
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Dr. Donald Peterson, NASA Campus Director
UConn Health Center
School of Medicine, Dental Medicine Science
263 Farmington Avenue
Farmington, CT 06030-2017
860-679-4665 860-679-1989 (Fax)
peterson@uchc.edu

Dr. John DaPonte, NASA Campus Director
Southern Connecticut State University
Computer Science Department
501 Crescent Street
New Haven, CT 06515
203-392-5810 203-392-5898 (Fax)
dapontej1@southernct.edu

Dr. Mako Haruta, NASA Campus Director
University of Hartford
College of Arts & Sciences
200 Bloomfield Avenue
West Hartford, CT 06117
860-768-5261 860-768-5244 (fax)
haruta@hartford.edu

Consortium Office:
University of Hartford
200 Bloomfield Avenue (Dana 203), West Hartford, CT 06117
http://uhweb.hartford.edu/ctspgrant

Dr. Thomas Filburn, Director
filburn@hartford.edu
860-768-4843 860-768-5073 (fax)

Dr. Saeid Moslehpour, Assistant Director
moslehpou@hartford.edu
860-768-4211 860-768-5073 (fax)

Teresa Turner, Program Coordinator
ctspgrant@hartford.edu
860/768-4813

Proposal Development Considerations:

Proposal research/work should be related to one of NASA's strategic enterprises. They are Space Science, Earth Science, Human Exploration and Development of Space, and Office of Aero-Space Technology.

Preference will be given to applications which provide a contact made with either NASA or other federal agencies with aerospace or space related interests, or with private industry. These contacts can be facilitated through the Consortium Office or NASA Campus Director.

For use of NASA facilities, University Affairs Offices at NASA Centers may be contacted. Contact information and NASA facility missions statements may be found at each of the NASA facilities web sites. For a directory of facility web sites see: http://www.nasa.gov/about/sites/index.html

Review of Proposals:

The proposal review committee is composed of fourteen individual members, including one representative from each member institution. The reviewers are normally selected from but not limited to the Advisory Board. Reviews are performed a few weeks after the submission of proposals. The reviewers may request additional information, if needed. The request will be made through the Consortium Office. Decisions are anticipated within six weeks.

Selection Criteria:

Abstract	10 pts.
Degree to which this proposal is relevant to aerospace research, space science or technology research and development, and/or training in these fields	25 pts.
Plan of the research: goals, objectives, and methodology	20 pts.
Interdisciplinary approach to the problem	10 pts.
Expected outcome: innovative potential and milestones	20 pts.
Career potential: relationship to prior work and future plans	15 pts.
Total	**100 pts.**
Additional points may be awarded for applications which demonstrate a NASA or industry research contact (indicating agency or corporation, and extent of contact)	10 pts.

Evaluation of Funded Projects and Reporting Requirements:

A project report is due upon completion of the research/project/travel-related work. A reporting format will be provided to awardees. The Consortium considers a successful project an investment in the future of the researcher, their department and the institution. Following are just a few examples of outcomes that represent success: patents and published papers, increased institutional collaboration, and an increase in the number of proposal submissions.

Tax Consequences of Awards:

Award recipients should familiarize themselves with the tax laws to determine the tax status of their grants. The CT Space Grant College Consortium does not give tax advice. Recipients may find it helpful to consult the Internal Revenue Service (IRS) Publication #520, "Scholarships and Fellowships", which is available at IRS offices. Any questions regarding the tax status of awards should be addressed to the IRS. Income Code 15 is available on-line at: http://www.irs.gov/businesses/small/international/article/0,,id=106193,00.html.

Proof of Citizenship:
Recipients of Space Grant money must provide proof of U.S. Citizenship in the form of one of the following (Xerox copy is acceptable):

- U. S. Passport (may be currently valid or expired)
- Citizenship Certificate
- Naturalization Certificate
- Birth Certificate
- Voter's Registration Card
- US Citizen Identification Card
- American Indian Card
- Military or Company ID Card (Must show citizenship)
- Certified letter from some other organization that has verified citizenship

Forms needed in order to dispense grant award funds:

- CT Space Grant Awardee Verification Form
- Proof of Citizenship (see above)
- Federal Tax Identification Certification Form (W-9) (May require other State/Federal forms, as required by law.)

Application Submission: The CT Space Grant College Consortium only accepts materials submitted via its on-line application system. Individual applications (organized by grant award type) can be found on the Consortium website under Student Opportunities at http://uhaweb.hartford.edu/ctspgrant/student-opportunities.htm. (Application checklists can be found on the pages that follow.)

Project Periods:
Awards may be for:

Summer	June – August
Academic Year	September – May
Calendar Year	June – May

Poster Session - Students will be required to furnish a research poster for the spring reception which follows the completion of the award-related work/research. Details will be communicated closer to the date.

Funds Distribution:

Graduate Fellowships: Will be distributed in three equal payments directly to the student award recipient (1/3 of total award at the beginning of research upon submittal of required Awardee Verification Form, citizenship, and federal/state tax-related paperwork, 1/3 paid upon submittal of a mid-point status report to the awardee's NASA Campus Director, and the final 1/3 paid upon submission of a final project report to the Consortium Office once the research is completed).

Undergraduate Fellowships: Will be distributed in two payments directly to the student award recipient (2/3 of total award at the beginning of research upon submittal of required Awardee Verification Form, citizenship, and federal/state tax-related paperwork, and 1/3 remaining balance upon submission of project report to the Consortium Office once the research is completed).

Summer/Academic Year Internships: Will be distributed in equal divided payments directly to the student award recipient (1/4 total award at the beginning of internship upon submittal of required Awardee Verification Form, citizenship, and federal/state tax-related paperwork, and two separate 1/4 distributions paid upon receipt two mid-point reports from supervisor of satisfactory performance, with the final ¼ payment balance upon submission of project report from the intern awardee to the Consortium Office once the research is completed.)

Student Projects/Senior Design Projects: Will be paid directly to the student award recipient upon the submittal of a completed expense form (with original receipts attached) to the Consortium Office.

Travel Grants: Will require the completion of an expense form and submission of receipts. No travel advances will be allowed from Consortium funds.

Helicopter Training Workshop Grants: Full workshop registration and room/board amount paid directly to the Helicopter Training Workshop upon submittal of required Awardee Verification Form, citizenship, and federal/state tax-related paperwork to the Consortium Office. Applicants should apply for a Travel Grant to pay for the 250.00 registration fee and travel to the workshop.

CT Community College's College of Technology Scholarships: Full amount paid directly to the student award recipient upon submittal of required Awardee Verification Form, citizenship, and federal/state tax-related paperwork to the Consortium Office.

Student Grants Directory

Blank Applications Can Be Downloaded from the Website.

Undergraduate/Graduate Application Checklist

Submit the application via the on-line system and upload the proposal narrative and letters of support, budgets, etc. into the fields provided. *Note that Narrative page limits will be strictly enforced. Proposals that exceed the page limit will be reviewed only up to the page limit (remaining pages will not be reviewed).*

- ☐ **Applicant Biographical/Contact Information** - Typed into the Applicant Registration fields of the on-line application.
- ☐ **Abstract** – Typed into the on-line application – Please include a paragraph on relevance to aerospace research and/or one of NASA's strategic enterprises. *(Abstract not needed for Travel Grant applications)*
- ☐ **Narrative** – Attached as an electronic file to the on-line application. Three double-spaced page maximum (Undergraduates) or five double-spaced page maximum (Graduates) typed in no smaller than 10 point font, double spaced with margins of at least 1" on letter size (8 1/2" x 11") paper. Please include the following four sections: *(Note: Travel Grant Narrative page maximum is restricted to two double-spaced pages)*

  1. Project Plan, goals, objectives and methodology
  2. Interdisciplinary approach to the problem
  3. Expected outcomes
  4. Career potential

- ☐ **Two Letters of Recommendation** (internal or external) – Attached as electronic files to the on-line application. One letter must be from the research project supervisor. The second from a responsible researcher who is familiar with the quality of the student's work. *(Travel Grant applications require only one letter.)*
- ☐ **Resume/Curriculum Vitae** - One page – Attached as an electronic file within the on-line application. *(Note: each campus has many online and other resources available to assist students with developing a resume. Contact your career services office for assistance.)* For team proposals please upload a C.V. for each team member.
- ☐ **Student Transcript** (*official is preferred; however, unofficial is acceptable if availability at the time of submission is a problem*). Attached as an electronic file within the on-line application.
- ☐ **Diversity Information Data Sheet** (Note: this information is used separately for blind reporting to NASA.) Completed within the on-line application's Applicant Registration section. For team proposals, please attach a separate sheet for each team member as addendums to the proposal narrative file.

Graduate Fellowships

Award – Graduate Student Fellowships are currently set at $20,000. A student is eligible for one fellowship per program year.

Eligibility – Graduate student applicants must be full-time students at one of the Consortium Member Institutions with a minimum GPA of 3.0 or higher. Applicants must provide proof of U.S. Citizenship.

Award Opportunities – Funding opportunities are available to Graduate Students preparing for careers related to NASA initiatives. (The Consortium Advisory Board includes members of the local Aerospace and related industries so that the research and training opportunities we support fit the needs they foresee for the future.)

Proposal Format and Checklist: Submit application via CT Space Grant online system. Components of the Graduate Fellowship Application include:

1. **Basic Biographical/Contact Information** – Typed directly into the on-line application within the Applicant Registration section.
2. **Abstract -** Typed directly into the online application in the appropriate space. Must include a paragraph on relevance to aerospace research and/or one of NASA's strategic enterprises.
3. **Narrative** – Uploaded as an attachment within the on-line application system. 5 double-spaced pages maximum – additional pages will not be reviewed.
4. **Resume/Curriculum Vitae** – Uploaded as an attachment within the on-line application system. 1 page maximum
5. **Two Letters of Recommendation** - Uploaded as attachments within the on-line application system. 1 must be from a research advisor.
6. **Student Transcript -** Uploaded as an electronic file within the on-line application. (*Official is preferred; however, unofficial is acceptable if availability at the time of submission is a problem.*)
7. **Diversity Information Data Sheet** – Typed directly into the on-line application within the Applicant Registration section. Note: this information is used separately for blind reporting to NASA.

Reporting - A project report is due upon completion of the fellowship work. A reporting format will be provided to awardees.

Poster Session - Students will be required to furnish a research poster for the spring reception following the completion of their research.

Undergraduate Fellowships

Awards – Undergraduate Student Fellowships are currently set at $4,500 for the program year. A student is eligible for one fellowship per program year.

Eligibility – Undergraduate student applicants must be full-time students at one of the Consortium Member Institutions with a minimum GPA of 3.0 or higher. Applicants must provide proof of U.S. Citizenship.

Award Opportunities –Students may be preparing for senior design projects, honors research, or searching for an educational experience, which is consistent with the mission of NASA as exemplified by its four strategic enterprises: Earth Science, Space Science, Human Exploration and Development of Space, and Office of Aero-Space Technology and/or which will assist them in establishing relationships within NASA, and/or with local industrial contacts. Students desiring to use their fellowship in Aerospace companies should contact the companies in advance and include a letter of support form the firm along with their application. (The Consortium Advisory Board includes members of the local Aerospace and related industries so that the research and training opportunities we support fit the needs they foresee for the future.)

Proposal Format and Checklist: Submit application via CT Space Grant online system. Components of the Undergraduate Student Fellowship Application include:

1. **Basic Biographical/Contact Information** – Typed directly into the on-line application within the Applicant Registration section.
2. **Abstract -** Typed directly into the online application in the appropriate space. Must include a paragraph on relevance to aerospace research and/or one of NASA's strategic enterprises.
3. **Narrative** – Uploaded as an attachment within the on-line application system. 3 double-spaced pages maximum – additional pages will not be reviewed.
4. **Resume/Curriculum Vitae** – Uploaded as an attachment within the on-line application system. 1 page maximum
5. **Two Letters of Recommendation** - Uploaded as attachments within the on-line application system. 1 must be from a research advisor.
6. **Student Transcript -** Uploaded as an electronic file within the on-line application. (*Official is preferred; however, unofficial is acceptable if availability at the time of submission is a problem.*)
7. **Diversity Information Data Sheet** – Typed directly into the on-line application within the Applicant Registration section. Note: this information is used separately for blind reporting to NASA.

Reporting - A project report is due upon completion of the fellowship work. A reporting format will be provided to awardees.

Poster Session - Students will be required to furnish a research poster for the spring reception following the completion of their research.

Summer/Academic Year Industrial Internships

A sub-committee of the CT Space Grant College Consortium Advisory Board contacts CT based industries in an effort to aid in securing summer (full-time) and academic year (part-time) internship opportunities for the applicants. This sub-committee will work with applicants directly to aid them in securing meaningful summer and/or academic year industrial internships. Applicants must apply by the application deadline using the on-line application process.

Award – Undergraduate/Graduate Students of affiliated institutions are eligible to apply. Internships will be dispensed dependent upon the applicant pool and industry's ability to accommodate the internships.

Eligibility – Undergraduate/Graduate student applicants must be full-time students at one of the Consortium Member Institutions with a minimum GPA of 3.0 or higher. Applicants must provide proof of U.S. Citizenship (exceptions to citizenship would be at the discretion of the company, provided the company could pay the intern directly from private funds). CT Space Grant funds are only available to US Citizens.

Award Opportunities – This opportunity provides a link between students and potential employers.

Proposal Format and Checklist: Submit application via CT Space Grant online system. Components of the Internship Application include:

1. **Basic Biographical/Contact Information –** Typed directly into the on-line application within the Applicant Registration section.
2. **Abstract -** Typed directly into the online application in the appropriate space. Must include a paragraph on relevance to aerospace research and/or one of NASA's strategic enterprises and how this internship will enhance/contribute to your long-term academic and career goals.
3. **Internship Interest Information (Narrative)** – Complete the Internship Cover Sheet, listing opportunities in order of greatest interest (answering all questions for each opportunity), then upload the completed document as an attachment within the on-line application system.
4. **Resume/Curriculum Vitae** – Uploaded as an attachment within the on-line application system. 1 page maximum
5. **One Letter of Recommendation** - Uploaded as an attachment within the on-line application system. Must be from an academic or research advisor. If you wish, you may submit/upload additional letters of support from industry contacts, past supervisors or past project advisors.
6. **Student Transcript -** Uploaded as an electronic file within the on-line application. (*Official is preferred; however, unofficial is acceptable if availability at the time of submission is a problem.*)
7. **Diversity Information Data Sheet** – Typed directly into the on-line application within the Applicant Registration section. Note: this information is used separately for blind reporting to NASA.

Reporting - A project report is due upon completion of the internship assignment/work. A reporting format will be provided to awardees.

Poster Session - Students will be required to furnish an internship-related poster for the spring reception.

Summer 2010 Helicopter Training Workshop

Award – Undergraduate/Graduate Students of affiliated institutions are eligible to apply. Also students anticipating travel-related expenses for attending the workshop should indicate the total travel budget requested on the Cover Sheet and explain those expenses. The $250 registration fee will be automatically paid to the Workshop for all Connecticut Space Grant Consortium students selected for participation.

Eligibility – Undergraduate/Graduate student applicants must be at least 18 years of age and a full-time student at one of the Consortium Member Institutions with a minimum GPA of 3.0 or higher who has completed at least 2 semesters of an engineering or related program. Selected applicants must provide proof of U.S. Citizenship.

Award Opportunities – This opportunity provides participants with a classroom instruction and hands-on opportunity to learn more about why helicopters behave as they do during flight operations. Workshop participants will construct and flight test (wind tunnel and outdoor) radio controlled coaxial helicopters, and compete in an obstacle course using the coaxial helicopters and VTOL aircraft that they build. Two human power helicopter test fixtures will also be used for experimentation, to maximize the lift over drag. Participants will also have an opportunity to network with aerospace leaders, present their wind tunnel test results to aerospace professionals, tour Sikorsky and KAMAN manufacturing and engineering facilities, and experience a 1-hour ride in a Robertson 4-place helicopter (up to 3,000 ft. and 140 mph) during this unique training experience. Transportation, lodging and food are included in the workshop.

Proposal Format and Checklist: Submit application via CT Space Grant online system. Components of the Workshop Application include:

1. **Basic Biographical/Contact Information –** Typed directly into the on-line application within the Applicant Registration section.
2. **Abstract -** Typed directly into the online application in the appropriate space. Must include a paragraph how this workshop will enhance/contribute to your long-term academic and career goals
3. **Workshop Interest Information (Narrative)** – Complete the Helicopter Workshop Cover Sheet, answering all questions, then upload the completed document as an attachment within the on-line application system.
4. **Resume/Curriculum Vitae** – Uploaded as an attachment within the on-line application system. 1 page maximum
5. **One Letter of Recommendation** - Uploaded as an attachment within the on-line application system. Must be from an academic or research advisor. If you wish, you may submit/upload additional letters of support from industry contacts, past supervisors or past project advisors.
6. **Student Transcript -** Uploaded as an electronic file within the on-line application. (*Official is preferred; however, unofficial is acceptable if availability at the time of submission is a problem.*)
7. **Diversity Information Data Sheet** – Typed directly into the on-line application within the Applicant Registration section. Note: this information is used separately for blind reporting to NASA.

Reporting - A short project report is due upon completion of the workshop. A reporting format will be provided to awardees.

Student Projects

The Student Project initiative began in 1997 in order to encourage student projects in Space and Aerospace Science and Engineering topics. The purpose of these grants is to allow students to purchase items needed for student projects including materials, electronic components, chemicals, etc. The Consortium recognizes that these small grants will allow students to choose projects that are beyond the normal funds allocated by departments, colleges and universities.

Eligible Projects – Any group or individual project that is consistent with the mission of NASA as exemplified by its four strategic enterprises: Earth Science, Space Science, Human Exploration and Development of Space, and Office of Aero-Space Technology.

Eligible Applicants – Individual students and informal/formal groups of students. The project leader must be a U.S. Citizen and all project team members must be full-time students at a Consortium Member Institution at the beginning of the project. Individual Applicants/Project Leader (for group projects) must have minimum 3.0 GPA. There must be a faculty member who agrees to serve as project advisor.

Budget – Each project may be funded up to a maximum of $500. Funds may be used for supplies and materials only. Funds may not be used for travel*, entertainment, entry fees, tuition, salaries, fringe benefits, or indirect costs. Funds will be paid directly to the student awardee (the in the case of a project group, to the group's project leader) upon submission of a completed expense form (with original receipts attached) to the Consortium Office. Matching funds are not required; however, a strong proposal will include non-federal matching funds (in-kind). *(*Students may also apply for travel grants to visit NASA Centers, participate in professional meetings, etc. Individual students may also apply for Undergraduate Fellowships.)*

Proposal Format and Checklist: Submit application via CT Space Grant online system. Components of the Project Application include:

1. **Basic Biographical/Contact Information** – Typed directly into the on-line application within the Applicant Registration section.
2. **Abstract -** Typed directly into the online application in the appropriate space. Must include a paragraph on relevance to aerospace research and/or one of NASA's strategic enterprises.
3. **Narrative & Budget Justification** Uploaded as an attachment within the on-line application. 3 double-spaced pages maximum – additional pages will not be reviewed.
4. **Resume/Curriculum Vitae** Uploaded as an attachment within the on-line application system. 1 page maximum (For team/group projects, please include a resume for each member, and then upload into the application.)
5. **One Letter of Recommendation** Uploaded as an attachment within the on-line application system. Must be from the project's faculty advisor. Applicants may submit additional letters of support.
6. **Student Transcript -** Uploaded as an electronic file within the on-line application. (*Official is preferred; however, unofficial is acceptable if availability at the time of submission is a problem.*)
7. **Diversity Information Data Sheet** - Typed directly into the on-line application within the Applicant Registration section. Note: this information is used separately for blind reporting to NASA. For team/group projects: Please attach a diversity information data sheet for each team member, then attach as addendums to the project narrative before uploading into the application system.

Reporting - A project report is due upon completion of the research project. A reporting format will be provided to awardees.

Poster Session - Students will be required to furnish a research poster for the spring reception.

Senior Design Projects

The purpose of these grants is to allow students to purchase items needed for senior design projects including materials, electronic components, chemicals, etc. The Consortium recognizes that these small grants will allow students to choose projects that are beyond the normal funds allocated by departments, colleges and universities.

Eligible Projects – Any group or individual project that is consistent with the mission of NASA as exemplified by its four strategic enterprises: Earth Science, Space Science, Human Exploration and Development of Space, and Office of Aero-Space Technology.

Eligible Applicants – Individual students and informal/formal groups of students. The project leader must be a U.S. Citizen and all project team members must be full-time students at a Consortium Member Institution at the beginning of the project. Individual Applicants/Project Leader (for group projects) must have minimum 3.0 GPA. There must be a faculty member who agrees to serve as the senior design project advisor.

Budget – Each project may be funded up to a maximum of $1,600. Funds may be used for supplies and materials only. Funds may not be used for travel*, entertainment, entry fees, tuition, salaries, fringe benefits, or indirect costs. Funds will be paid directly to the student awardee (the in the case of a project group, to the group's project leader) upon submission of a completed expense form (with original receipts attached) to the Consortium Office. Matching funds are not required; however, a strong proposal will include non-federal matching funds (in-kind). *(*Students may also apply for travel grants to visit NASA Centers, participate in professional meetings, etc. Individual students may also apply for Undergraduate Fellowships.)*

Proposal Format and Checklist: Submit application via CT Space Grant online system. Components of the Senior Design Project Application include:

1. **Basic Biographical/Contact Information –** Typed directly into the on-line application within the Applicant Registration section.
2. **Abstract -** Typed directly into the online application in the appropriate space. Must include a paragraph on relevance to aerospace research and/or one of NASA's strategic enterprises.
3. **Narrative & Budget Justification** Uploaded as an attachment within the on-line application. 3 double-spaced pages maximum – additional pages will not be reviewed.
4. **Resume/Curriculum Vitae** Uploaded as an attachment within the on-line application system. 1 page maximum (For team/group projects, please include a resume for each member, and then upload into the application.)
5. **One Letter of Recommendation** Uploaded as an attachment within the on-line application system. Must be from the senior design project's faculty advisor. Applicants may submit additional letters of support.
6. **Student Transcript -** Uploaded as an electronic file within the on-line application. (*Official is preferred; however, unofficial is acceptable if availability at the time of submission is a problem.*)
7. **Diversity Information Data Sheet** - Typed directly into the on-line application within the Applicant Registration section. Note: this information is used separately for blind reporting to NASA. For team/group projects: Please attach a diversity information data sheet for each team member, then attach as addendums to the project narrative before uploading into the application system.

Reporting - A senior design project report is due upon completion of the research project. A reporting format will be provided to awardees.

Poster Session - Students will be required to furnish a research poster upon completion of the senior design project which will be displayed at the annual spring awards reception that follows the senior design project.

Travel Grants

To encourage travel to NASA facilities to use their unique resources and/or present Space Grant and NASA funded research at Conferences, the Connecticut Space Grant College Consortium awards travel grants.

Eligible Travel – Travel supported by travel grants may include, but is not limited to, trips to NASA facilities to use specialized research equipment, trips to NASA Centers to discuss collaborations with NASA scientists and engineers, attendance at pre-proposal conferences sponsored by NASA, presentation of Space Grant funded research at conferences, giving plenary or invited papers at conferences, visits by NASA scientists/engineers to campuses for research collaboration. In accordance with NASA restrictions, the Consortium only supports domestic travel.

Eligible Applicants – Faculty and Students at Consortium Member Institutions. All applicants must be US Citizens. Student applicants should have a minimum 3.0 GPA.

Budget – Travel may be funded up to a maximum of $1,000. Funds will be paid directly to the recipient at the conclusion of the trip after submission of an expense report and original receipts to the Consortium Office. No travel advances are allowed. Matching funds are not required but encouraged. A strong proposal will include non-federal matching funds.

Proposal Format and Checklist: Submit application via CT Space Grant online system. Components of the Travel Application include:

1. **Basic Biographical/Contact Information** – Typed directly into the on-line application within the Applicant Registration section.
2. **Abstract -** Typed directly into the online application in the appropriate space. Please provide a description and rationale for the travel and how you will fund the travel if you do not receive full Space Grant funding for the total cost of the trip (*ex. If the total trip will cost $1,500, describe how you will fund the remaining $500 after the space grant award of $1,000.*)
3. **Invitation & Budget Justification** – Upload copy of any letter or conference paper acceptance notice (copy of email or WEB page of program acceptable) along with a prospective budget of estimated costs for the trip. – Please scan any supportive materials and then upload all of these as a single file.
4. **Resume/Curriculum Vitae -** Uploaded as an attachment within the on-line application system. 1 page maximum (For team/group projects, please include a resume for each member, and then upload into the application.)
5. **One Letter of Recommendation -** Uploaded as an attachment within the on-line application system. Must be from a faculty member familiar with the travel purpose. Applicants may submit additional letters of support.
6. **Student Transcript -** Uploaded as an electronic file within the on-line application. (*Official is preferred; however, unofficial is acceptable if availability at the time of submission is a problem.*)
7. **Diversity Information Data Sheet** - Typed directly into the on-line application within the Applicant Registration section. Note: this information is used separately for blind reporting to NASA. (For team/group projects: please attach a diversity information data sheet for each team member, then attach as addendums to the project narrative before uploading into the application system.)

Reporting - A short report is due upon return from the trip. A reporting format will be provided to awardees.

Poster Session - Students will be required to furnish a research poster for the spring reception.

NASA Academy Fellowships

The NASA Academy is a unique summer experience at the university level for developing future leaders of the U.S. Space Program. The program is an intensive, resident, ten-week summer experience with laboratory research work, a group project, lectures, meetings with experts and administrators, visits to NASA Centers and space-related industries, technical writing, and presentations. Students discover how NASA and its Centers operate, gain experience in world-class laboratories, participate in a team environment and build professional bonds. On graduation, Academy participants are inducted into the NASA Academy Alumni Association (NAAA) whose goal is to promote NASA, the NASA Academy, research, and space education. The 52 state-based members of the National Space Grant College and Fellowship Program have co-sponsored the NASA Academy since its founding in 1993. The University of Maryland, College of Computer, Mathematical and Physical Science is also a Robotics Academy co-sponsor granting 4 credits to participants who successfully complete the Goddard program. Students with disabilities are provided reasonable accommodation services. Women, minorities, and individuals with disabilities are encouraged to apply.

Applying – Apply directly to the NASA Academy, but please notify the CT Space Grant Consortium of your application so it may plan to support your participation.

Eligibility –Rising junior, senior undergraduate or at the early graduate level in accredited U.S. college or university as of May of the program year; B average (minimum); major in engineering, science (physics, chemistry, biology, earth sciences, etc.), math, computer science or other areas of interest to the aerospace program; US citizen or permanent resident (as of May of the program year).

Award Opportunities – *Duration*: 10 Weeks (June through August) *Locations and Application Deadlines (Posted on each Center's Academy website)*:

- Ames Academy http://academy.arc.nasa.gov/
- Glenn Academy http://academy.grc.nasa.gov/
- Goddard Academy http://academy.gsfc.nasa.gov/
- Marshall Academy http://academy.gsfc.nasa.gov/program/index.html

Proposal Format and Checklist: Submit notice of your application via CT Space Grant online system. Requested components are:

1. **Basic Biographical/Contact Information** – Typed directly into the on-line application within the Applicant Registration section.
2. **Abstract** - Typed directly into the online application in the appropriate space. Simply note that you have applied to the NASA Academy and please note why you believe participation in the Academy will enhance your long-term academic and career goals.
3. **Narrative** – Please upload a copy of your NASA Academy application as an attachment within the on-line application system.
4. **Resume/Curriculum Vitae** – Uploaded as an attachment within the on-line application system. 1 page maximum
5. **Two Letters of Recommendation** - Uploaded as attachments within the on-line application system. 1 must be from a research advisor.
6. **Student Transcript** - Uploaded as an electronic file within the on-line application. (*Official is preferred; however, unofficial is acceptable if availability at the time of submission is a problem.*)
7. **Diversity Information Data Sheet** – Typed directly into the on-line application within the Applicant Registration section. Note: this information is used separately for blind reporting to NASA.

Reporting - A project report is due upon completion of the summer Academy. A reporting format will be provided to awardees.

Poster Session - Students will be required to furnish a research poster for the spring reception following the completion of their research.

CT Community College Student Scholarships

Awards – CT Community Colleges' College of Technology Student Scholarships are currently set at $500 for the program year. A student is eligible for one fellowship per program year.

Eligibility – Student applicants must be a U.S. Citizen, full-time matriculated students within the CT Community Colleges' College of Technology having completed 30 college credits, and possess a minimum GPA of 3.0. *(Awardees will be required to provide proof of U.S. Citizenship.)*

Award Purpose – Inspire the pursuit of careers in science, technology, engineering and mathematics (STEM).

CT Community College Application Checklist

Submit the application via the on-line system.

- ☐ **Applicant Biographical/Contact Information** - Typed directly into the on-line application.
- ☐ **Abstract** – Typed into the on-line application – Please include a paragraph on the relevance to or career interest in Aerospace Research and/or one of NASA's strategic enterprises.
- ☐ **One Letter of Recommendation** - Uploaded as an attachment within the on-line application system. Must be from a faculty member familiar with the student's career interest and academic work. Applicants may submit additional letters of support.
- ☐ **Resume/Curriculum Vitae** - Uploaded as an attachment within the on-line application system. 1 page maximum. *(Note: each campus has many online and other resources available to assist students with developing a resume. Contact your career services office for assistance.)*
- ☐ **Student Transcript** - Uploaded as an electronic file within the on-line application. (*Official is preferred; however, unofficial is acceptable if availability at the time of submission is a problem.*)
- ☐ **Diversity Information Data Sheet** - Typed directly into the on-line application within the Applicant Registration section. Note: this information is used separately for blind reporting to NASA.