



LEWIS' EDUCATIONAL AND RESEARCH COLLABORATIVE INTERNSHIP PROGRAM (LERCIP)

2008 SUMMER INTERNSHIP FOR COLLEGE STUDENTS

Program Description

This is an educational program that provides a summer opportunity for students interested in NASA and careers in science, technology, engineering, and mathematics. Internships of 10-week duration are available during the summer months at the NASA John H. Glenn Research Center (GRC). The internships are offered under the auspices of Lewis' Educational and Research Collaborative Internship Program (LERCIP) and are a collaborative undertaking of GRC's Educational Programs Office (EPO) and the Ohio Aerospace Institute (OAI). The LERCIP college component offers opportunities for graduating **2008** high school seniors through Ph.D. candidates.

To find out about other LERCIP internship opportunities that may be available and their deadline dates, visit one of the following Web sites: <http://www.education.grc.nasa.gov/> or <http://www.oai.org>.

Program Goal

LERCIP provides students with introductory professional experiences to complement their academic programs and research interest under the guidance of a GRC scientist or engineer who serves as the student's mentor. The program is designed to provide experiences in a research and development environment in order to expand the student's understanding of possible career choices that are available at NASA. Program activities include oral presentations at the LERCIP student symposium and a variety of enrichment activities.

Glenn Research Center

The NASA Vision—To improve life here, to extend life to there, to find life beyond. The NASA Mission—To pioneer the future in space exploration, scientific discovery, and aeronautics research. As one of NASA's 10 field centers, the GRC at Lewis Field supports all NASA missions and the major programs of our Agency.

GRC works as a diverse team in partnership with government, industry, and academia to increase national wealth, safety, and security, protect the environment, and explore the universe. As NASA moves forward to fulfill the Vision for Space Exploration, Glenn is focusing on efforts related to Exploration Systems, such as technological advancements in spaceflight systems, aeropropulsion, space propulsion, power systems, nuclear systems, communication, and human research.

GRC is located in the Great Lakes region of Ohio and occupies a 350-acre site adjacent to Cleveland Hopkins International Airport. The Center comprises over 140 buildings that contain a unique collection of world-class facilities. NASA Glenn also includes the 6400-acre Plum Brook Station near Sandusky, Ohio. For more information, visit <http://grc.nasa.gov>.

Ohio Aerospace Institute

OAI is a private, nonprofit organization whose purpose is to advance aerospace-related capabilities through industry, university, and government collaboration. Such partnerships have led to critical solutions for aerospace applications, developed new technologies in medical science, created improved design and manufacturing and measurement systems, and provided educational enrichment and support to faculty and students. OAI is located next to the GRC west gate. For more information on OAI, visit <http://www.oai.org>.

Eligibility Requirements

Applicants must be **U.S. CITIZENS**, a full-time student in the fall of 2008, at least 16 years of age, and pursuing a baccalaureate or higher degree at an accredited college or university throughout the United States or Puerto Rico. College-bound graduating high school seniors or 2-year college students with demonstrable plans to pursue baccalaureate degrees are also eligible. Students must have a cumulative GPA of 3.0 or above on a 4.0 scale.

Program Requirements

Because of the program's short duration and intensive requirements, no vacation time or summer day classes are allowed during the internship. If selected, the student must be present for the entire 5-day, 40 hour per week assignment (8 a.m. to 4:30 p.m., Monday through Friday) and is required to complete the entire 10-week tenure. It is MANDATORY that students start on one of the scheduled session dates (see below) to attend the orientation.

NO EXCEPTIONS!

Application Information

Students seeking internships must submit an application to OAI. You will be sent a postcard or an e-mail (if provided) acknowledging receipt of your application.

Additional information may be obtained by contacting any of the following:

OAI

E-mail: internships@oai.org

Telephone: (440) 962-3170, ext. 5006

NASA GRC

E-mail: intern@grc.nasa.gov

Application materials must be received no later than **January 31, 2008**. Application materials received after the deadline will not be considered or processed. **FAXED copies are unacceptable.**

Selection Criteria

Selection in this program is very competitive and is based on the following:

- GRC organizational, programmatic, and budgetary commitments
- Academic level and relative coursework
- Performance background and research interests
- Student/mentor availability

Student Notification

STUDENTS SELECTED FOR INTERNSHIP POSITIONS will be notified by OAI of internship appointment via offer letter by April 15, 2008. Due to the large number of applicants, **ONLY SELECTED STUDENTS ARE NOTIFIED.**

Stipend Information

Students receive a biweekly stipend and the amount depends on the academic standing achieved by the student at the time tenure begins and must be supported by student's transcripts. If selected, stipend details and program information will be provided in the offer letter. The normal statutory tax withholdings are taken—the tax portion withheld will depend on the tax forms submitted by participant. **This program does not provide unemployment compensation to participants.**

Academic standing: Freshmen/Sophomore \$800 Junior/Senior \$1000 Master/Doctoral Student \$1200

Travel Reimbursement

One round-trip travel reimbursement will be provided to students whose city of permanent residence is more than 50 miles from Cleveland **and who relocate** for the program. Reimbursement is based on student's permanent residence and shortest route. Mileage at .485 cents per mile will be paid to eligible students approximately 1 week **after** tenure begins.

Internship start dates for 2008

Session I: May 19 to July 25

Session II: June 2 to August 8

Session III: June 9 to August 15

Housing Accommodations

Students are responsible for making their own housing and travel arrangements. This program does not provide living expenses. If a list of short-term housing is desired, check the appropriate box on page 2 of the application and one will be provided. Please understand that the housing list has been assembled by OAI for your convenience. **Accommodations on the list have not been checked and OAI does not advocate them over other accommodations you may find on your own.** If selected for the program, you need to start your search for housing as soon as possible. Remember you are responsible for reviewing your lease agreement and addressing questions before signing.

2008 LERCIP COLLEGE STUDENT APPLICATION

Please type or print in black ink only.

Full legal name _____ Date of birth _____
Last name, suffix (e.g., Jr.) First Middle name Month/Date/Year (e.g., 11/23/1985)

Place of birth _____ Gender: Female Male
City, State, Country

U.S. Citizen Yes No Note: If U.S. citizen and born outside the United States or Puerto Rico you must provide the information requested below and if selected provide documentation prior to start date for offer to be finalized.

Naturalization no. _____ Date issued _____ Date expired _____
Passport no. _____ Date issued _____ Date expired _____

YOU MUST PROVIDE BOTH ADDRESSES:

PERMANENT (HOME) ADDRESS:

SCHOOL NAME:

City State

Address: _____

Please provide your nine-digit ZIP Code

City State ZIP Code

ZIP Code _____

Telephone no.: (____) _____

Telephone no.: (____) _____

School e-mail address: _____

Alternate telephone no.: (____) _____

Permanent e-mail address: _____

Please check box below where you want any LERCIP correspondence sent

- Prior to April 15 Permanent home address School address
- After April 15 Permanent home address School address

If you are a graduating 2008 high school senior, you are considered a college freshman, and must list college(s) below that you have applied for or been accepted to.

1. _____ 2. _____ 3. _____

Your academic level as of Fall 2008*: _____ COLLEGE MAJOR: _____

- College Freshman (13) College Senior (16)
- College Sophomore (14) Master Student (17)
- College Junior (15) Ph.D. Student (18)

Credit hours earned as of May/June 2008: _____ Total credit hours required for graduation: _____

Planned graduation date: _____
Month/Date/Year (e.g., 11/23/2008)

Cumulative GPA out of 4.0*: _____ *Must be supported by school transcripts (minimum eligibility is 3.0 GPA)

PROGRAM USE ONLY

Date received _____ PR requirement \$ _____

Date processed _____ 13 14 15 16 17 18

Initials _____

PLACEMENT INFORMATION

Indicate below the discipline in which you would like to intern if positions are available. If choosing more than one discipline, indicate order of preference by numbering 1 through 3 with 1 being your first choice. Final student placement is determined by mentors' assignment requests. No internships in **Medicine** or **Veterinary Medicine** are offered.

- | | | |
|---|---|---|
| <input type="checkbox"/> Accounting | <input type="checkbox"/> Computer Science | <input type="checkbox"/> Metallurgy |
| <input type="checkbox"/> Aero/Astro Engineering | <input type="checkbox"/> Education | <input type="checkbox"/> Optics |
| <input type="checkbox"/> Biological Science | <input type="checkbox"/> Electrical Eng. | <input type="checkbox"/> Personnel |
| <input type="checkbox"/> Biomedical Science | <input type="checkbox"/> Environmental Eng./Science | <input type="checkbox"/> Physical Science |
| <input type="checkbox"/> Business Adm. | <input type="checkbox"/> Graphics | <input type="checkbox"/> Physics |
| <input type="checkbox"/> Ceramics | <input type="checkbox"/> Life Science | <input type="checkbox"/> Polymers |
| <input type="checkbox"/> Chemical Eng. | <input type="checkbox"/> Materials Eng. | <input type="checkbox"/> Procurement |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Mathematics | <input type="checkbox"/> Structural Eng. |
| <input type="checkbox"/> Computer Eng. | <input type="checkbox"/> Mechanical Eng. | <input type="checkbox"/> Systems Eng. |

Other Research Disciplines (be specific) _____

Indicate session preference by checking appropriate box below.

- Session I:** May 19 to July 25
 Session II: June 2 to August 8
 Session III: June 9 to August 15

Have you previously applied for or participated in a NASA program? Yes No If no, skip to next question. If yes, check any of the following NASA programs you have previously applied for (A) or participated in (P) previously and indicate the year:

(A)	(P)	Program	Year	(A)	(P)	Program	Year
<input type="checkbox"/>	<input type="checkbox"/>	GRC Engineering Technology		<input type="checkbox"/>	<input type="checkbox"/>	GRC N.A.S.A. Project	
<input type="checkbox"/>	<input type="checkbox"/>	GRC Exploring		<input type="checkbox"/>	<input type="checkbox"/>	GRC Shadowing	
<input type="checkbox"/>	<input type="checkbox"/>	GRC High School		<input type="checkbox"/>	<input type="checkbox"/>	GRC TSU Collegebound	
<input type="checkbox"/>	<input type="checkbox"/>	GRC LERCIP College		<input type="checkbox"/>	<input type="checkbox"/>	FIRST	
<input type="checkbox"/>	<input type="checkbox"/>	GRC LERCIP Scholars		<input type="checkbox"/>	<input type="checkbox"/>	NASA SHARP	
<input type="checkbox"/>	<input type="checkbox"/>	GRC NASA Plus		<input type="checkbox"/>	<input type="checkbox"/>	SEMAA	

- Participant in other NASA Program:** _____ **Month/Year:** _____
 Participant in other Non-NASA Internship Program: _____ **Month/Year:** _____
 Attended NASA Explorers School: _____ **Month/Year:** _____

How did you learn about the program?

- | | |
|--|--|
| <input type="checkbox"/> Faculty member or school official
<input type="checkbox"/> Group visit to GRC
<input type="checkbox"/> Inquiry to NASA about summer opportunities
<input type="checkbox"/> NASA Web site
<input type="checkbox"/> GRC Educational Programs staff
<input type="checkbox"/> GRC Educational Programs Web site
<input type="checkbox"/> Friend who participated in LERCIP
<input type="checkbox"/> You were a previous LERCIP participant
<input type="checkbox"/> OAI Web site
<input type="checkbox"/> Other (please specify) _____ | <input type="checkbox"/> Relative who works for NASA or NASA contractor

<i>Name/relationship</i>

<i>Company name/area/organization</i> |
|--|--|

Housing Information

If selected, do you need to be provided with the program's short-term housing list? YES NO
 Do we have your permission to include your name and e-mail address in a listing to be sent to selected students interested in shared housing? YES NO
 (If selected, you need to start your search for housing as soon as possible)

ACADEMIC INFORMATION

Degree currently pursuing: B.A. B.S. M.S. Joint B.S./M.S. Ph.D.

Academic major: _____ Academic minor: _____

Will you be attending a different college/university next Fall? Yes No

If yes, check reason: Transfer student Graduating senior First year graduate student Ph.D. student

If yes, to which college/university? _____

City: _____ State: _____ ZIP Code: _____ Telephone no: (____) _____

All applicants must list anticipated winter/spring 2008 courses:

Specialized Skills Areas (Please indicate experience and skill level and indicate specific software and programs used.):

Desktop publishing, e.g., Pagemaker Database, e.g., SQL, MS Access Internet exploring

 Web page design, e.g., HTML Computer graphics, e.g., Adobe Programming, e.g., C++, Java

 Other: _____

Academic honors/awards (include year of award)

Work experience (include year of employment)

STUDENT INTERNSHIP ESSAY

Please type or print in black ink only.

Student name (print): _____ **Date:** _____

The purpose of this essay is to tell us why you want to intern at GRC and what you wish to accomplish during your internship. Areas to address: (1) What do you hope to gain from participating in the program, (2) How might this experience help you in your chosen field of study/future career, and (3) Describe any related activities that reflect your commitment to your major (e.g., internships, memberships in related organizations, special skills, etc.)

STUDENT INFORMATION

Name (print): _____ Gender: Female Male

Program you are applying for: **LERCIP COLLEGE**

In order to determine the degree to which members of each ethnic and racial group are reached by this announcement, NASA requests that the student check the appropriate block(s) below. Submission of this information is **VOLUNTARY**. The information solicited on this form will not be available to those responsible for reviewing applications, but will be used by OAI and NASA primarily to determine the extent to which various populations are represented in the applicant pool. This information will remain strictly confidential.

Please complete and return with application materials.

Ethnic background (check appropriate box below)

- American Indian or Alaska Native (Non-Hispanic)
- Asian (Non-Hispanic)
- Black or African-American (Non-Hispanic)
- Hispanic/Latino(a)
- Native Hawaiian or Pacific Islander (Non-Hispanic)
- Two or more races
- White (Non-Hispanic)

Individual with a disability* Yes No

Please list any special accommodations required:

*A person having a physical or mental impairment that substantially limits one or more major life activities, has a record of such impairment, or is regarded as having such impairment.

APPLICATION REMINDERS

Before submitting this application, you should review it thoroughly. Special attention should be given to eligibility requirements, dates, and deadlines. Be sure that you have supplied all information and materials requested. You are encouraged to keep a copy of your completed application package, as we are unable to return any application materials submitted for the program.

APPLICATION CHECKLIST (check off when completed):

- 1. 2008 College Student Application Form—completion of all pages
 - a. Applicant Information (page 1)
 - b. Placement Information (page 2)
 - c. Academic Information (page 3)
 - d. Internship Essay (page 4)
 - e. Student Certification (page 5, signed and dated)
 - f. Student Information (page 6)
 - 2. Teacher/Faculty Endorsement Form (*Return in sealed white envelope, be sure student's name is printed across the front of the envelope. **Photocopies of this form are not required.** Form must be received by January 31, 2008, for student to be eligible for consideration for the program.*)
 - 3. School Transcripts (*Attach one copy of your current transcript of courses completed.*) Transcript **must** include final grades, cumulative GPA, and credit hours taken to date through 2007 fall semester/quarters. Photocopying your original transcript for application copies is acceptable. Unofficial school photocopies are also acceptable. **Handwritten or computer-generated report cards are unacceptable.**
 - 4. Original, signed application **PLUS** three complete copies of application.
Applications that do not have the required copies are considered INCOMPLETE and will not be processed.
-

Mail your completed application package to

**OHIO AEROSPACE INSTITUTE (OAI)
22800 CEDAR POINT ROAD
ATTN: LERCIP
CLEVELAND, OH 44142**

Should you have any questions, contact
Ohio Aerospace Institute (OAI)
Telephone: (440) 962-3170, ext. 5006
E-mail internships@oai.org

PLEASE BE ADVISED THAT ANY APPLICATION OR APPLICATION MATERIALS RECEIVED AFTER THE DEADLINE DATE, JANUARY 31, 2008, WILL NOT BE PROCESSED AND ARE CONSIDERED INELIGIBLE—NO EXCEPTIONS!

www.nasa.gov

