

University of Central Florida
Advanced Materials Processing and Analysis Center
NSF REU Site: Functional Nanostructures Summer Program

APPLICATION PACKET CHECK LIST

The **applicant** should complete and return:

- ❖ **Student Application form**
- ❖ **Letter of Interest**
- ❖ **Transcripts**
- ❖ **Signed Statement of Understanding**

To:

Dr. S. Seal

Room 381, AMPAC, 4000 University Blvd

P.O. Box 162455

University Central Florida, Orlando, FL 32816

Phone: 407 882 1456 or 823 5277

Fax: 407 882 1462, 823 0208

Email: sseal@pegasus.cc.ucf.edu

Deadline: 5 March 2005

In addition, applicant should have two (2) recommendation letters sent directly by references (forms included in this packet).

Applicant should give recommenders the Recommendation Forms early enough that they can return them by March end.

New This year: International Exchange with Japan

Selection of the Summer REU interns will be made by March end

For more information and questions:
e-mail: sseal@pegasus.cc.ucf.edu

NSF REU SITE: NANOPAC

<http://nanotech.research.ucf.edu/nanopac.html>

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STUDENT APPLICATION

Please type or print clearly and answer each question completely.

1. Full legal name

Last First MI

2. Social Security Number:

3. Permanent Mailing Address:

Number and Street or P.O. Box

City State Zip Code

Area code-home telephone

Emergency Contact No:

4. Current Mailing Address, Telephone, e-mail address:

Number and Street or P.O. Box

City State Zip Code

Area code-home telephone Area code-work telephone

e-mail address:

5. Birth Date 6. Gender

Month _____ Day _____ Year _____ M/F _____

7. Ethnicity

8. Current Undergraduate Institution

Institution Major Minor

Overall GPA Major GPA Total Credit Hours as of Dec 2001 Expected date of Graduation

9. Academic Interest: after receiving your bachelor's degree, are you interested in graduate school, medical school, law school, other professional school, full-time employment, or "not sure?"

10. Current coursework: list the courses you are currently taking

11. Academic Awards/Recognition: list any academic awards or scholarships you have received while in college

12. Briefly describe any previous research activities you have done as independent study, hourly work, or internships, including any resulting publications and/or presentations.

13. Country of Citizenship: _____

If not US citizen, alien status: _____ Registration # _____

14. Have you ever been convicted of a felony? No _____ Yes _____ (attach explanation)

15. How did you hear about the REU program? Check one:

from NSF flyer poster one of your professors netscape other

16. Briefly explain why you would like to participate in the REU program: (Use additional Page)

17. I hereby certify that to the best of my knowledge the information furnished on this application is true and complete without evasion or misrepresentation. I understand that if found to be otherwise, it is sufficient cause for rejection of my application or dismissal from the REU program.

Applicant's Signature Date

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LETTER OF INTEREST

Please describe on a separate sheet (1-3 typed pages) your interest in the Advanced Materials Processing and Analysis Center REU Program on Nanotechnology at the University of Central Florida. The purpose of this letter of interest is to let us know your personal goals related to the summer research program and your interests in nanotechnology research in general. Include your post-graduation professional plans as they relate to the materials science and engineering and the field of nanotechnology including Physics, Chemistry, Biology and Engineering. In addition, address how the REU summer program would fit in with your previous experience from coursework, research/independent study, and/or jobs you have had. Finally, indicate specific research interests you may have in materials engineering, chemistry, physics, biology, engineering that match the research areas described in the Program brochure or on the program web site

<http://nanotech.research.ucf.edu/nanopac.html>

Also, put your choice of research (1,2,3) from the website.

Please make sure that your name is on all pages of your letter of interest and that the type is dark enough to photocopy well.

TRANSCRIPTS

Please submit a student copy of your transcripts of all your college coursework AND have official transcripts sent directly to the REU Program:

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RECOMMENDATION FORM

Applicant: Type or print information requested up to the line beginning with "Recommender."
Please give the form to your recommender who should return it directly to the REU Program director.

Applicant's Name _____

Recommender's Name _____

Waiver (optional): In accordance with the Family Education and Rights and Privacy Act of 1974, you may waive the right to review this recommendation by signing below. If you do not waive this right, you will have access to this recommendation should you become an NANOPAC REU Program participant.

I hereby waive my right of access to this letter of recommendation:

Applicant's Signature Date

All letters of recommendation become the property of the NANOPAC REU Program at AMPAC, University of Central Florida.

Recommender: The applicant named above is applying for admission to the University of Central Florida's NANOPAC Research Experience for Undergraduates (REU) hosted by Advanced Materials Processing and Analysis Center and sponsored by National Science Foundation.

In a separate letter, please comment on:

- Fill the form
- Applicant's academic performance and scholarly potential
- Applicant's potential for success in an intensive 10-week research internship in nanotechnology and in graduate school
- Applicant's maturity, motivation, and ability to work independently

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Evaluation of Summer REU Applicant

Applicant's Name: _____

How long have you known the applicant: _____

In what capacity do you know the applicant: _____

	Superior	Good	Average	Below Average	Poor
Ability in Science/Engineering	5	4	3	2	1
Ability in Mathematics	5	4	3	2	1
Written Communication	5	4	3	2	1
Oral Communication	5	4	3	2	1
Initiative and Motivation	5	4	3	2	1
Perseverance	5	4	3	2	1
Reliability	5	4	3	2	1
Leadership	5	4	3	2	1
General Academic Standing	5	4	3	2	1

(Please leave those items blank for which you have not had an adequate opportunity to observe the applicant.)

Describe the applicant's abilities and comment on his/her potential as a scientist/engineer.

How do you rate applicant in all-around ability relative to other students you have known?

() Outstanding (top10%) () Good (high15%) () Average (middle25%) () Below Average (low 50%)

Please send this form and your signed letter to the following address by March 15, 2000:

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 Email: sseal@pegasus.cc.ucf.edu

Recommender's Name _____

Title: _____

Address: _____

e-mail: _____

Recommender's Signature

Date

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Recommender's Name _____

Title: _____

Address: _____

e-mail: _____

 Recommender's Signature

 Date

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STATEMENT OF UNDERSTANDING

Applicants should read and sign this Statement of Understanding acknowledging acceptance of the requirements and provisions of the **Summer 2004 NSF REU Site on NANOPAC hosted by AMPAC, UCF.**

The primary purpose of the Nanotechnology REU Program is to gain experience in advanced research approaches and techniques in Nanoscience and Engineering and in written and oral presentation of research outcomes.

The REU Program centers around the REU student-faculty and REU student-graduate student mentor relationships by which each student is guided in conducting independent research.

The REU student is expected to work independently in an unstructured environment, which is typical of research.

The REU student will complete a written project proposal at the beginning of the summer session, a written final report at the end of the summer, and make a final oral/poster presentation of project results at a special symposium during the last week.

The REU student will participate in all the academic components of the program including the first-week workshops in nanotechnology research methods, reporting research results, communication skills, and environmental ethics, as well as seminars and group meetings during the rest of the summer session.

The participant will devote full-time to the REU Program during the 10-week summer session. He/she will not take part in other academic or work activity such as attending classes or holding a job.

In general, housing will be provided for the REU student. Exceptions can be made contingent on approval of the REU Program director, but students should not expect that funds from the REU Program be used to subsidize off-campus housing.

The NSF-REU Site on NANOPAC provides all summer interns with stipend for \$300-400 per week (\$3,000-4000\$ for the summer), travel reimbursement upto \$400, furnished housing and access to UCF campus facilities.

The REU program has the option of dismissing a student from the program who does not follow the requirements and expectations listed above.

I hereby certify that I have reviewed this Statement of Understanding and I agree to the NSF-REU Site Program and the University of Central Florida requirements and provisions.

Signature Date

Print: Last Name First Name MI