

**University of Central Florida - Materials Science and Engineering  
NSF REU Site: Engineering and Nanoscience of Materials and Device  
Applications in Biotechnology and Medicine**

## APPLICATION PACKET CHECKLIST

The applicant should **complete and return by email to:**

[Sudipta.Seal@ucf.edu](mailto:Sudipta.Seal@ucf.edu)    [kausik@ucf.edu](mailto:kausik@ucf.edu)

the following documents:

- ❖  **Student Application pages (Pages 2-3)**
- ❖  **Ranking of Project Preference (Page 4)**
- ❖  **Statement of Understanding (Page 5)**
- ❖  **Letter of Interest (Instructions Page 6)**
- ❖  **Transcripts (Instructions Page 6)**

To be completed by your references (two references required)

- ❖  **Letter of Recommendation**
- ❖  **Must be sent directly from the email address of the person writing the recommendation.**

**Deadline: 12 March 2025**

Selection of the Summer REU interns will be made as applications are received and will continue until all positions are filled. Incomplete applications will not receive full consideration.

For more information and questions:

Email: [Sudipta.Seal@ucf.edu](mailto:Sudipta.Seal@ucf.edu)    [kausik@ucf.edu](mailto:kausik@ucf.edu)

Web site: <http://nsfreunano.research.ucf.edu/>



**11. Undergraduate Level During 2024-2025 Academic Year (Circle One)**

Freshman / Sophomore / Junior / Senior

**12. Academic standing**

High School GPA: \_\_\_\_\_

Current degree program(s) in which you are enrolled: \_\_\_\_\_

Undergraduate Overall GPA: \_\_\_\_\_

GPA in your Major: \_\_\_\_\_

Are enrolled in any Minor tracks? \_\_\_\_\_ If yes, which one(s) and what are the GPA's?

What is your expected date of Graduation from your Major? Month\_\_\_\_\_Day\_\_\_\_\_Year\_\_\_\_\_

**13. Future Interest:** after receiving your degree, are you interested in graduate school, medical school, law school, other professional school, full-time employment, or "not sure?"

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

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

**16.** Have you ever been convicted of a felony? No\_\_\_\_\_Yes \_\_\_\_\_(attach explanation)

**17.** How did you hear about the REU program? Check one:  
from  NSF flyer  poster  one of your professors  online  other

**18. 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

**University of Central Florida - Materials Science and Engineering  
NSF REU Site: Engineering and Nanoscience of Materials and Device  
Applications in Biotechnology and Medicine**

## Ranking of Project Preference

Please review <https://nsfreunano.research.ucf.edu/research-projects/> and indicate your 4 choices of research project (4 choices ranked as 1,2,3,4) in your application.

My top 4 ranking of projects:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

**Ranking of projects will be considered but cannot be guaranteed. If several selected applicants rank the same topics, you will be contacted to work out project selection.**

**University of Central Florida - Materials Science and Engineering  
NSF REU Site: Engineering and Nanoscience of Materials and Device  
Applications in Biotechnology and Medicine**

## STATEMENT OF UNDERSTANDING

Applicants should read and initial each item below. Then, sign this Statement of Understanding acknowledging acceptance of the requirements and provisions of the Summer NSF REU Site hosted by NSTC at UCF.

- Late arrivals or early/late departures cannot be accommodated. Full time attendance is required. The program period is 18<sup>th</sup> May 2025 – 26<sup>th</sup> July 2025.**
- 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 deliver a publication ready manuscript draft at the end of the summer program 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, safety training, reporting research results, communication skills, and environmental ethics, as well as seminars, tours, and group meetings during the 10-week program.
- 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 non-local REU students. Students should not expect that funds from the REU Program be used to subsidize off-campus housing.
- The NSF-REU Site at UCF's NSTC provides all summer interns with stipend of \$6000 for program completion, travel reimbursement up to \$500, furnished housing (for non-local participants), and access to UCF campus facilities.
- The REU program has the option of dismissing a student from the program for reasons of misconduct, or 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 \_\_\_\_\_

**University of Central Florida - Materials Science and Engineering  
NSF REU Site: Engineering and Nanoscience of Materials and Device  
Applications in Biotechnology and Medicine**

## **LETTER OF INTEREST**

Please describe on a separate sheet (1-3 typed pages) your interest in the REU Program on BioNanotechnology at the University of Central Florida.

Please include the following in your letter of interest:

- your personal goals related to the summer research program
- your interests in nanotechnology-engineering research in general
- your post-graduation professional plans
- how the REU summer program fits in with your previous experience from coursework, research/independent study, and/or jobs you have had

Your name should be on all pages of your letter of interest.

## **TRANSCRIPTS**

Official electronic transmission from your institute

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

By email to [Sudipta.Seal@ucf.edu](mailto:Sudipta.Seal@ucf.edu)      [kausik@ucf.edu](mailto:kausik@ucf.edu)