APPLICATION PACKET CHECKLIST

The applicant should **complete and return by email to**: CECS SS@utrgv.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)

To be completed by your referee (One reference Letter required)

- **❖** □ Letter of Recommendation
- Must be sent directly from the email address of the person writing the recommendation. (Please ask your recommender to Email: CECS_SS@utrgv.edu)

Deadline: March 1st 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: CECS_SS@utrgv.edu

Web site: https://www.utrqv.edu/reu_mse/

STUDENT APPLICATION

1. Full legal name		
Last	First	MI
2. Permanent (Home) Ma	iling Address:	
Number and Street or P.O. Box		
City	State	Zip Code
Phone #		
3. Emergency Contact: N	lame:	Phone #:
4. Current Mailing Addre	ss, Telephone (your mobil	e# preferred):
Number and Street or P.O. Box		
City	State	Zip Code
Phone #		
5. Applicant E-mail addre	9ss:	
6. Birth Date		
MonthDay	_Year	
7. Gender		
M/F		
8. Ethnicity		
9. Current Undergradua	te Institution Name & Type	e (Public, Private, Community College)
Institution Name		
	dergraduate institution ha llege, or Primarily Undergi	ve limited access to research (e.g. 4 raduate Institute (PUI))
Circle one YES	/ NO	

11. Undergraduate L	evel During 20	22-2023 A	cademic	Year(Circ	cle One)		
Soph	omore	/	Junior	/	Seni	or	
12. Academic standi	ng						
High School GPA:							
Current degree progra	am(s) in which y	ou are en	olled:				
Undergraduate Overa	II GPA:						
GPA in your Major:							
Are enrolled in any Mi	nor tracks?	If	yes, whi	ch one(s)	and what ar	e the GPA	's?
What is your expected	d date of Gradua	ation from	your Majo	or? Month_	Day_	Yea	r
13. Future Interest: a school, law so	after receiving y chool, other pro						
14. Academic Award received while		: list any a	cademic	awards or	scholarship	s you have	
15. Briefly describe a study, hourly presentations.	work, or interns						lent
16. Have you ever bee	en convicted of	a felony? I	No	Yes	(attach exp	lanation)	
17. How did you hear from □NSF flyer	about the REU □poster		Check or of your pro		□onl	ine	□other
understand t	nat to the best s true and com hat if found to or dismissal fro	nplete with be otherv	nout evas vise, it is	sion or mi sufficien	isrepresent	tation. I	
Applicant's Signature		Date					

Ranking of Project Preference

indicate your 4 choices of research project (4 choices ranked as A, B, C, D) below

My top	nking of projects:
1.	
2.	
3.	
1	

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.

- A. Investigation of the structure and morphology of nanomaterials used as Lithium-ion battery electrodes.
- B. Study of Two-Dimensional Nanomaterial Infused Photocurable Polymer Nanocomposite Device Fabrication by Direct Ink Writing
- C. Ultra-fast Laser-Assisted Nano-particle Synthesis, Collection, and Analysis
- D. 2D ZnO-Nanoflakes (NFs)-based Multichannel Array Platform for Wearable Human Sweat Analysis
- E. Harnessing Multipurpose Nanoparticles for Enhanced Porous fibrous Composite Membrane Production via Pickering Emulsion
- F. Synthesis of Gold and Iron Nanoparticles with Single-Stranded Circular DNA Passivation by Reactive High-Energy Ball Milling (RHEBM) as a Potential Biosensor
- G. Fabrication and characterization of fiber-reinforced hydrogel biomaterials
- H. Fabrication and Characterization of Proton Exchange Membrane Fuel Cell Sensor for Volatile Organic Compound (VOC) Detection

STATEMENT OF UNDERSTANDING

Signature Date Print: Last Name First Name MI
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.
□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.
□The NSF-REU Site at UTRGV provides all summer interns with stipend of \$7000 for program completion (bi-weekly payment). For non-local participants there will be an additional up to \$1400 reimbursement for housing and travel.
□In general, housing will be provided for non-local REU students. Students should not expect the funds from the REU Program be used to subsidize off-campus housing.
□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 o holding a job.
□The REU student will participate in all the academic components of the program including the first-week workshops in material 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 REU student will deliver a publication ready manuscript draft at the end of the summe program, and make a final oral/poster presentation of project results at a special symposium during the last week.
□The REU student is expected to work independently in an unstructured environment, which is typical of research.
□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 primary purpose of the Material Science and Engineering REU Program is to gain experience in advanced research approaches and techniques in multidisciplinary research activities and in written and oral presentation of research outcomes.
□Late arrivals or early/late departures cannot be accommodated. Full time attendance is required. The program period is 2 nd June 2025 – August 8 th 2025.
Applicants should read and initial each item below, and then sign this Statement of Understanding acknowledging acceptance of the requirements and provisions of the Summer NSF REU Site hosted by UTRGV.

LETTER OF INTEREST

Please describe on a separate sheet (maximum 2 pages) your interest in the REU Program on Material Science and Engineering at UTRGV.

Please include the following in your letter of interest:

- your personal goals related to the summer research program
- your interests in Material Science and 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

#1 University in Texas

Washington Monthly's 2023 College Rankings

