



# IAESTE UNITED ARAB EMIRATES

## INTERNSHIP OFFER

Ref. No. AE-2024-43-RISE

### Internship Host Information

*Internship Host:* Research Institute of Sciences & Engineering (RISE) Website: <https://www.sharjah.ac.ae/en/Research/RISE/Pages/default.aspx>  
Sharjah United Arab Emirates Location of placement: University of Sharjah (M12-125)  
Nearest airport: Sharjah International Airport  
Working hours per week: 40.0  
Working hours per day: 8.0

*Number of employees:* 20+  
*Business or products:* Research Institute

### Student Required

*General Discipline:* PHYSICS;CHEMISTRY AND CHEMICAL ENGINEERING; MATERIAL SCIENCES AND ENGINEERING *Completed years of study:* 4

*Field of Study:* *Student status requirements:* Senior Undergraduates, Masters, PhD  
*Language required:* English Good (B1, B2)

*Required Qualifications and Skills:* Material and Surface Science  
*Other requirements:*

Basic Knowledge in Material Sciences  
Physical and chemical properties of nanomaterials

### Internship Offered

Research Group: Materials for Energy Applications Research Line  
Center for Advanced Materials Research

The candidate will be working within our research team on the development of metal nanoparticles Biosensing applications  
- First, the candidate will start with a literature review on the synthesis of nanoparticles.  
- Second, the candidate will fabricate different semiconducting nanoparticles substrates and their characterization.  
- Finally, the fabricated nanoparticles will be tested for detection of hazardous chemical pollutants using Surface Enhanced Raman spectroscopy technique.

*Number of weeks offered:* 12 - 16 *Working environment:* Research and development  
*Within the months:* 02-SEP-2024 - 31-DEC-2024 *Gross pay:* 3200 AED / Month  
*Or within:* 01-OCT-2024 - 31-DEC-2024 *Deduction to be expected:* 0  
*Company closed within:* - *Payment method / time / of first payment:*  
*Latest possible start date:* 01-OCT-2024

### Accommodation

*Canteen at work:* No  
*Expected type of accommodation:* Male Dorms/Female Apartments *Estimated cost of lodging:* 900 AED / Month  
*Accommodation will be arranged by:* IAESTE UAE *Estimated cost of living incl. lodging:* 3000 AED / Month

### Additional Information

2 intakes only: 2-Sep-24 or 1-Oct-24.  
Official weekends at University of Sharjah are Fridays and Saturdays.  
Interested applicants must read the attached Brief Information on Incoming Interns 2024.

### Nomination Information

*Deadline for nomination:* 14-APR-2024

*Date:*

27-MAR-2024

*On behalf of receiving  
country:*

IAESTE United Arab  
Emirates