



Research Experience for Teachers



UNIVERSITY OF
Cincinnati

NSF Summer Research Experiences for Teachers (RET)

Opportunity for Secondary (grades 7-12) Teachers & Community College Faculty in Math & Science **On Engineering Design Challenges & Research for Secondary & Community College Teachers**

2020-21 Research Projects Include:

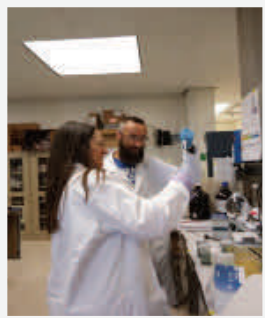
Project 1: Tissue Engineering Approach for Diabetic Chronic Wound Healing

Project 2: Robust Indoor/Outdoor Positioning System Development

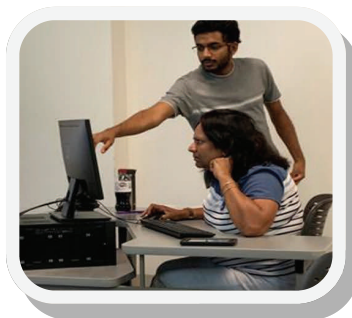
Project 3: Clean Energy Harvesting from Wastewater & Sea Water via Reverse Electrodialysis

Project 4: Interaction Between Skin Stratum Corneum and Personal Care Products

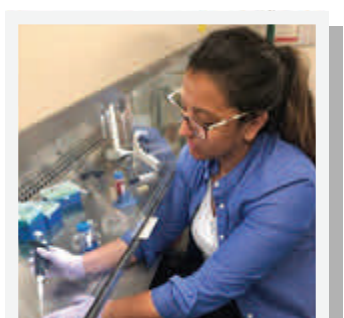
Project 5: Software and Systems Security in Model-Driven Engineering



Environmental Engineering



Model-Driven Engineering



Tissue Engineering

Benefits of being a RET Teacher?

\$6000 and a laptop for participation in 2020 RET Site for the 2020-21 academic school year.

7-week RET program, from Monday, June 8th through Friday, July 24th including research, coursework, and PD workshops and seminars.

Mentored by a RET Resource Person and RET Engineering Education Resource Person.

Create a unit that utilizes challenge based learning and the engineering design process.

Apply Now!! If you are interested in this tremendous professional leadership opportunity!

For more information go to: <https://www.ceas3.uc.edu/ret/archive/2020/ret>

Email the application packet to:

Buchanll@ucmail.uc.edu

Application **deadline** is Saturday **February 1st, 2020.**

Questions? Contact: Lora Buchanan

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