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Undergraduate Research Program	
Project Name	Development of sensors for the detection of species of biomedical and / or environmental interest
Campus & Location in Mexico	Monterrey
Faculty	Engineering
Research Area	Water, Science and Technology
Research Responsible	Omar I. González Peña
Description of the Project	Through the development of electrochemical techniques, it is desired to develop a sensor capable of detecting species of environmental and/or clinical interest. Therefore, special interest will be taken to review the reported methods of electrode functionalization in order to look for selectivity. Likewise, the species that are emerging as the best candidates to be detected will be reviewed.
Training Provided	Article publication;Search for specialized papers;Teamwork
Modality	Virtual
Offered During	Summer (5 weeks);Winter (5 weeks);Semester

Student	
Tasks/Responsibilities	Analyze information from databases to classify and search for articles, graph data, work statistics, mathematical analysis. (Training will be given for these activities).
Required Language Proficiency	English (Medium);English (Advanced)
Required Skills and Abilities	Mainly it is very necessary to have a strong interest in engagement with the project. (preferable but not limited to the following engineering: environmental, chemical, biomedical, materials, electronics, and biotechnology)
Other Documents Required to APPLY for an Internship	<ol style="list-style-type: none"> 1) Being at least in your 2nd year of bachelor 2) Accumulative grade point average (GPA) 2.5 3) Official Transcript 4) 2 letters of recommendation of faculty members

Internship

5) Resume

6) Letter of intention explaining the reason why you would like to participate in the research program