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<b>Undergraduate Research Program</b>	
<b>Project Name</b>	Development of electrochemical sensors for the detection of species of biomedical and / or environmental interest
<b>Campus &amp; Location in Mexico</b>	Monterrey
<b>Faculty</b>	Engineering
<b>Research Area</b>	Water, Science and Technology
<b>Research Responsible</b>	Omar I. González Peña
<b>Description of the Project</b>	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.
<b>Training Provided</b>	Article publication;Search for specialized papers;Teamwork
<b>Modality</b>	Virtual
<b>Offered During</b>	Summer (5 weeks);Winter (5 weeks);Semester

Student	
<b>Tasks/Responsibilities</b>	analyze information from databases to classify and search for articles, graph data, work statistics, mathematical analysis. (Training will be given for these activities).
<b>Required Language Proficiency</b>	English (Medium);English (Advanced)
<b>Required Skills and Abilities</b>	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)
<b>Other Documents Required to APPLY for an Internship</b>	<ol style="list-style-type: none"> <li>1) Being at least in your 2nd year of bachelor</li> <li>2) Accumulative grade point average (GPA) 2.5</li> <li>3) Official Transcript</li> <li>4) 2 letters of recommendation of faculty members</li> <li>5) Resume</li> <li>6) Letter of intention explaining the reason why you would like to participate in the research program</li> </ol>