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<b>Contact Information:</b>	<a href="mailto:studyinmexico@itesm.mx">studyinmexico@itesm.mx</a>

### Undergraduate Research Program

<b>Project Name</b>	Improvement of Wastewater Treatment Performance
<b>Campus &amp; Location in Mexico</b>	Monterrey
<b>Faculty</b>	Engineering and Science
<b>Research Area</b>	Environmental Engineering
<b>Research Responsible</b>	Pr. Dr. Miguel Ángel López Zavala
<b>Description of the Project</b>	This research is looking to improve the treatment performance and the bioelectricity generation in a dual-chamber MFC by means of enhancing the electron transfer process, functionality and performance of electrodes and proton exchange membrane.
<b>Training Provided</b>	Training on wastewater treatment, anaerobic degradation, electrode material functionality and proton exchange membrane functionality.

### Offered during:

SUMMER

☒

WINTER

☐

SEMESTER

☒

### Student

<b>Tasks/Responsibilities</b>	Sampling and monitoring of the wastewater treatment process and the electricity generation in the microbial fuel cell
<b>Required Language Proficiency</b>	English: basic to intermediate level Spanish: basic to intermediate level
<b>Required Skills and Abilities</b>	Some abilities and experience on laboratory measurements.
<b>Other Documents</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>