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Undergraduate Research Program

Project Name	Water pollution monitoring on underwater vehicles
Campus & Location in Mexico	Monterrey
Faculty	Engineering and Sciences
Research Area	Sensors and biosensors
Research Responsible	Dr. José Israel Martínez López
Description of the Project	Design and manufacturing of microtechnology for Underwater Vehicles. The project comprises Computational Fluid Dynamics and manufacture of microfluidic technology towards integration of point-of-care system integration for
Training Provided	yes

Offered during:

SUMMER

WINTER

SEMESTER

Student

Tasks/Responsibilities	Test of microfluidic devices for detection of nitrates on a underwater vehicle.
Required Language Proficiency	70% English
Required Skills and Abilities	Basic lab skills, CAD design, fluid mechanics concepts(desired)
Other Documents	<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 5) Resume 6) Letter of intention explaining the reason why you would like to participate in the research program