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Undergraduate Research Program

Project Name	Modeling Approaches to Support Decision Making in the Energy Sector
Campus & Location in Mexico	Cuernavaca
Faculty	Engineering and Sciences
Research Area	Systems engineering
Research Responsible	Rafael Batres, Ph.D.
Description of the Project	The "Mathematical Modeling to Support Decision Making in the Energy Sector" project focuses on investigating modeling, simulation, and optimization approaches for decision making in the energy sector.
Training Provided	The candidate will be mentored during their stay.

Offered during:

SUMMER

WINTER

SEMESTER

Student

Tasks/Responsibilities	Collaborate with other team members in one of the subprojects; develop new ideas on projects related to the research interests of the group and execute them; present research results at meetings; attend research seminars; research new articles; review literature; contribute to the ongoing developments; make manuscripts for publication.
Required Language Proficiency	Proficiency in English
Required Skills and Abilities	Proficiency in computer programming; alternatively knowledge of statistical software such as R. Knowledge of modeling, simulation and/or optimization is desired but not required.
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