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Undergraduate Research Program

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| 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

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WINTER

☒

SEMESTER

☐

Student

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| 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 |