

Web Page:	https://studyinmexico.tec.mx/
Contact Information:	studyinmexico@itesm.mx

Undergraduate Research Program	
Project Name	Metamaterials and compliant mechanisms: design, mechanics and additive manufacturing
Campus & Location in Mexico	Querétaro
Faculty	Engineering
Research Area	Advanced Manufacturing
Research Responsible	Enrique Cuan Urquiza
Description of the Project	This project consists in the parametric design of metamaterials or compliant joints. The mechanical properties of these design are related to those parameters defining their geometry and validated with additively manufactured samples via computational and laboratory experiments.
Training Provided	Generate popular articles;Scientific-based problem solving;Teamwork
Modality	Hybrid
Offered During	Summer (5 weeks);Winter (5 weeks);Semester

Student	
Tasks/Responsibilities	Review of related literature, CAD modelling of samples for FEA simulations and 3D printing. Data organization and visualization in diagrams and plots.
Required Language Proficiency	English (Medium);English (Advanced)
Required Skills and Abilities	CAD modelling: advanced, MATLAB coding: medium, FEA: medium, Solid Mechanics: Medium
Other Documents Required to APPLY for an Interview	<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

Internship

5) Resume

6) Letter of intention explaining the reason why you would like to participate in the research program