

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

Undergraduate Research Program	
Project Name	Mechanism for proximal phalanges abduction-adduction motion assistance
Campus & Location in Mexico	Santa Fe
Faculty	Medicine and Health Science;Engineering
Research Area	Biomedical Engineering
Research Responsible	Milton Carlos Elías Espinosa
Description of the Project	Design of a mechanism for the assistance of the abduction-adduction fingers motion, the mechanism must meet a set of criteria such as being lightweight, portable and easy to manufacture. A selection of actuators must be made, that fit on top of the metacarpals and must have the power needed to assist in the motion of the fingers.
Training Provided	Prototype development;Scientific-based problem solving;Teamwork
Modality	Hybrid
Offered During	Summer (5 weeks);Winter (5 weeks);Semester

Student	
Tasks/Responsibilities	Research, Design, Development, evaluation and documentation of engineering project.
Required Language Proficiency	Spanish (Basic);English (Medium);English (Advanced)
Required Skills and Abilities	Mechanical design, CAD/CAE/CAM, 3D printing, materials, electrical and mechanical components, actuators and material selection.
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