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

## Undergraduate Research Program

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| Project Name | Development of Sensing, Smart and Sustainable Systems |
| Campus & Location in Mexico | Ciudad de México |
| Faculty | Engineering and Sciences |
| Research Area | Engineering and Industry |
| Research Responsible | Arturo Molina-Gutiérrez Ph.D. |
| Description of the Project | The main objective of this project is studying the sensing, smart and sustainable features in systems. Therefore, participants must analyse the capacities and capabilities of sensing, smartness, and sustainability in systems to provide new methodologies, frameworks and practices that promote the design and development of solutions that can adopt these three features. |
| Training Provided | Soft competencies such as critical thinking, collaboration, communication, creativity, and open innovation. Hard competencies through the implementation of emerging technologies that promote the implementation of sensing and smart systems, and the design of sustainable practices. |

### Offered during:

SUMMER ☐          WINTER ☐          SEMESTER **X**

## Student

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| Tasks/Responsibilities | Participate in collaborative groups for the design, development and implementation of projects that must be documented in scientific products |
| Required Language Proficiency | English |
| Required Skills and Abilities | ll areas are invited to join this project. Prior knowledge in the engineering field is desirable. Also, previous knowledge about design thinking, electronic, control, programming, CAD, Digital Manufacturing, Life Cycle Assessment, Product-Lifecycle Management Systems can be useful. |
| Other Documents | 1) Being at least in your 2nd year of bachelor <br> 2) Accumulative grade point average (GPA) 2.5 <br> 3) Official Transcript <br> 4) 2 letters of recommendation of faculty members <br> 5) Resume <br> 6) Letter of intention explaining the reason why you would like to participate in the research program |