



Departmental commitment

The Department of Science and Engineering of the Universidad Iberoamericana Puebla, has as its mission to format professionals in science and engineering, competent, free, conscious, compassionate, with a high disciplinary and ethical level and a strong commitment to and with others; generate technological and scientific knowledge based on its academic and human excellence, in dialogue with the different realities and actors with which it is immersed, to contribute to confronting the various forms of inequality and social exclusion in order to promote sustainable development for the construction of a more just and humanely supportive society.

13 different specialties

In academic program of bachelor
of science in engineering

20 full time professors

3 part time professors

58%

Are PhD graduates

1,043 students

At Engineering Department



MSc. Ramiro Antonino Bernal Cuevas
Director of Science and Engineering Department

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Engineering Academic Cluster and Lines of Research:

Industry and Business 361 students

Industrial Engineering - 124

Logistic Engineering - 40

Business Engineer - 197



Frugal Innovation and Frugal Engineering

Innovation, transfer and technological development in communities of high vulnerability and poverty.

PhD. María Guadalupe López Molina
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Process Simulation

Logistics and process simulation applied in manufacturing.

MSc. Yvonne Lomas Montaudon
yvonne.lomas2@iberopuebla.mx



Chemistry and Biothecnology

Soil and water bioremediation, catalysis of biofuels and fine chemicals, extraction of polymers, development of functional foods and nutraceuticals; microalgae cultivation; in vitro plant and mammalian culture; precision agriculture.

PhD. César Augusto Barrales Cortés
cesar.barrales@iberopuebla.mx

PhD. María José Arreola Rivas
mariajose.rivas@iberopuebla.mx



Chemical and Biotechnology 146 students

Chemical Engineering - 80

Biotechnology Engineering - 66

Civil 92 students

Civil Engineering - 92



Geotechnical Engineering

Research covers several geotechnical and geoseismic studies in different areas of Mexico.

MSc. Miguel Angel Figueras Corte
miguelangel.figueras@iberopuebla.mx



Healthcare Technology

Healthcare technology and include but are not limited to motion analysis for rehabilitation, electromyography, musculoskeletal disorders, applied Kinesiology and biomedical engineering.

MSc. Ana Moreno Hernández
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Automation, Robotics and IOT

Electronic, mechanical and software design, manufacturing automatization and robotics development and implementations.

MSc. Huber Girón Nieto
huber.giron2@iberopuebla.mx



Manufacturing and Finite Element Simulation

Mechanical fatigue in products including the effects of their manufacturing processes, finite element simulation, nonlinear analysis to predict energy absorption in impacts and uses of neural networks for mechanical design.

PhD. Moisés Jiménez Martínez
moises.jimenez@iberopuebla.mx

Mechanical and Mechatronics 444 students

Mechanical Engineering - 50

Automotive Engineering - 154

Mechatronic Engineering - 104

Biomedical Engineering - 66

Electrical and Communication
Engineering - 13

Computer Systems - 41

Advance Manufacture

Engineering Master - 16

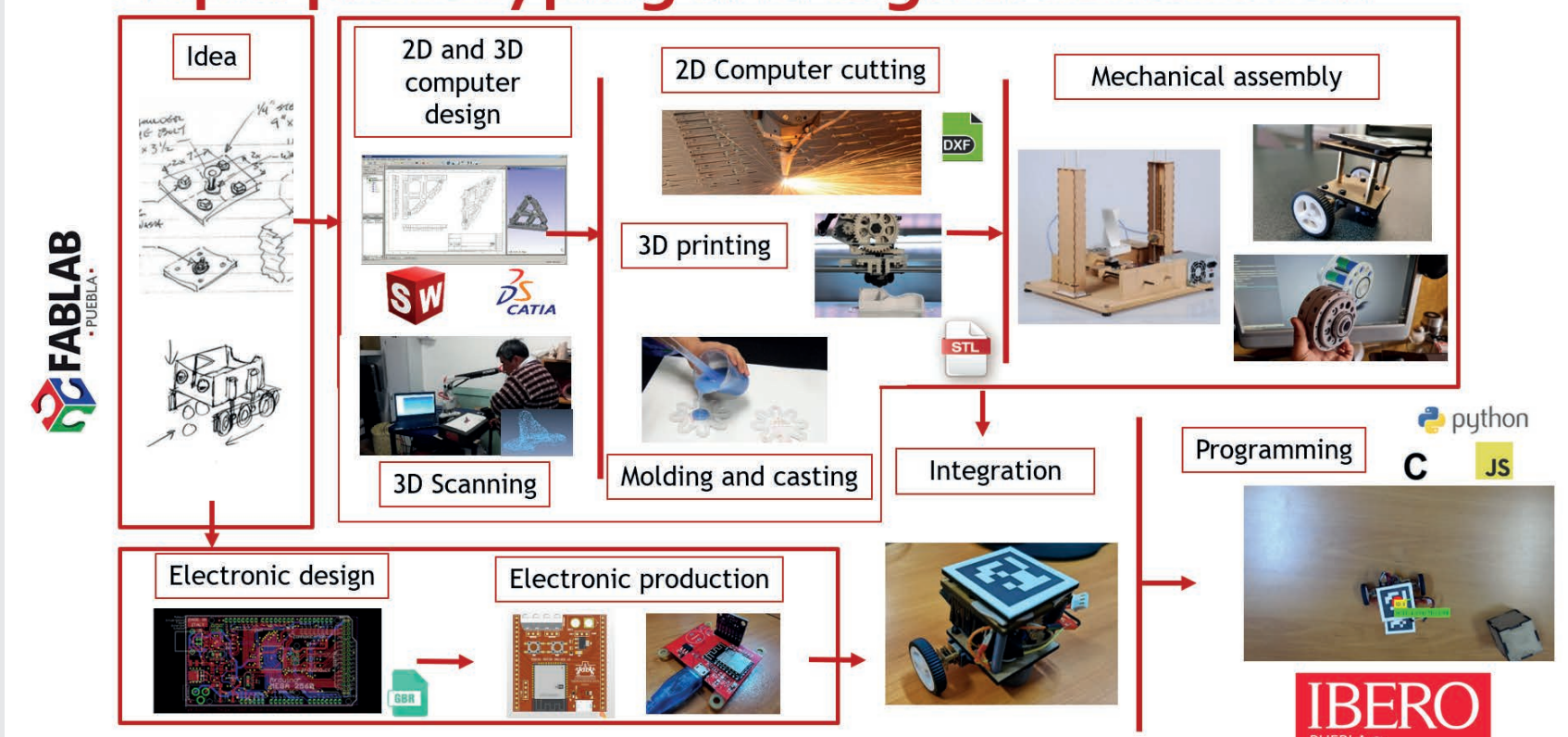
Institute of Design and Technological Innovation

IBERO
PUEBLA®
IDIT

The Institute Of Design and Technological Innovation, is the largest digital fabrication center open to the public on the continent, is an open innovation ecosystem where in conjunction with students, faculty, private business centers and government develops innovative solutions for educational innovation, economic inequality, environment deterioration, innovation to manufacturing process, rapid prototyping and human machine interactions through state-of-the-art technology.



Rapid prototyping and digital fabrication



Projects Proposal

Social and technological exchange program:

Where engineering students develop a technical solution through frugal innovation approach in disadvantaged communities.

- Summer of 6 week program (May to July)

- One semester (January to May / August to December)

Next version summer bootcamp 2023 IATA:

Students from all Jesuits
Engineering School are invited
to participate.



MORE INFORMATION

