

COMPETITIVE TECHNOLOGY INTELLIGENCE FOR INNOVATION UNIT

We invite you to join the following programs:

Master of Science in Engineering

Master of Science in Manufacturing Systems

Ph. D. in Engineering Sciences

Competitive Technology Intelligence for Innovation Unit

Competitive Technology Intelligence focuses on strengthening the strategic planning for the innovation of products and services through a systematic analysis of the global environment. It supports the identification of opportunities and threats in different industries, such as automotive, chemical, pharmaceutical, food, among others. In this research unit we have developed Models by integrating tools like: Hoshin Kanri, QFD, Patent Mapping, Technology Road Mapping, Industrial Design (Kansei Engineering, Design Thinking), to mention a few, in which both domestic and foreign companies have participated.

Recent projects developed in this unit are related to Additive Manufacturing and 3D printing for manufacturing and health industries.

The objective is to identify opportunities to innovate through the determination of the industry trends (stakeholders, inventions, strategic movements, etc.) using tools such as patent and scientific literature datamining for technology mapping and knowledge landscape determination.



All programs are accredited by CONACYT PNPC at international level. Enrolled students may also receive a scholarship covering tuition and maintenances expenses for the entire duration of the program.

Master of Science in Engineering

The general objective of this program is to develop professionals as agents of change for the industrial and academic sectors, and turn them into leaders capable of doing applied research, technological development and technology transfer, in the field of engineering science.

Master of Science in Manufacturing Systems

The objective of this program is to develop professionals for industry and academia, who, as agents of change, will be capable of doing applied research, technological development, innovation and technology transfer, in new product design, advanced materials and production processes.

Ph.D. in Engineering Sciences

The objectives of this program are:

- To prepare independent researchers with the capacities, knowledge, and skills to identify opportunities, create, and manage original research projects at the frontier of knowledge.
- Disseminate research findings. And apply the knowledge generated for the country's technological development.
- Conduct high-impact research on engineering in the productive, academic, and social sectors.



Entry requirements

- Interest for Competitive Technology Intelligence research.
- Overall score equal or higher than 90.
- PAEP admission test with a score equal or higher than 600 points.
- TOEFL overall score equal or higher than 550 points.
- Application letter and updated CV.