

UDLAP[®]

UNIVERSIDAD DE LAS AMÉRICAS PUEBLA



www.udlap.mx

INDUSTRIAL ENGINEERING

EDEI

SCHOOL OF
ENGINEERING



STUDY INDUSTRIAL ENGINEERING AT UDLAP

As a graduate from the Bachelor in Industrial Engineering you will be able to analyze, predict, and design production processes for goods and services. For this, you will optimize systems composed of human resources, materials, information, equipment, and energy, and thus contribute to cost effectiveness, competitiveness, and sustainability of global organizations that benefit society.

Once you have finished your study program, you will have a bachelor's degree in addition to a licenciatura degree. Therefore, your studies will be recognized worldwide.



JOB MARKET

- *Automotive industry.*
- *Manufacturing sector.*
- *Government institutions.*
- *Research and technology development centers.*
- *Higher education institutions.*

UDLAP OUTREACH

Prestigious national and international companies have a relationship with the university. As an UDLAP student you have the best opportunities to access and succeed in the working world, either through professional practices or research projects that will help you enter the job market once you graduate.



BE PART OF THE UDLAP COMMUNITY



Your academic formation can be complemented through extracurricular workshops offered at the university, as well as by participating in student organizations and cultural and sports activities that will contribute to your growth as a student and future practicing specialist.

If you live in one of the five residential colleges, you will enjoy the university environment thoroughly and be able to socialize with students of other bachelors and other

cultures, thus complementing your academic formation with significant experiences that will have a great impact in your personal and professional relationships. Living at UDLAP provides recreational areas and all the services you need, in addition to the amenities found in an apartment.

The university also has dining services, *snack* areas, and ATMs, among other facilities.

AN UDLAP STUDENT HAS

- Conviction to work for the greater good and to achieve success.
- Ability to reach goals through continuous learning.
- Ability to face the challenges of an increasingly competitive world.
- Likes math and other sciences.
- Willing to work for the greater good and to be successful.



Thanks to more than 200 agreements with prestigious international universities, you will be able to make academic exchanges or complete a double degree program.

UDLAP ACADEMIC EXCELLENCE

The prestige of our faculty is backed by their extensive teaching experience. 99% of our full-time professors have a graduate degree and one in three is a member of the National System for Researchers (Sistema Nacional de Investigadores - SNI). Given the faculty's experience and their academic quality, they will be able to guide you in finding new ways to express yourself and be critical, innovative, and creative.

UDLAP is accredited at a national and international level by the Mexican Federation of Private Institutions of Higher Education (Federación de Instituciones Mexicanas

Particulares de Educación Superior - FIMPES) and, since 1959, by the *Southern Association of Colleges and Schools Commission on Colleges* (SACSCOC). The accreditation agency *Quacquarelli Symonds* (QS) awarded 5 global stars to our university, making it the first one-campus university in Latin America to achieve this recognition. UDLAP earned 5 stars in the teaching, alumni employability, internationalization, inclusiveness, and art and culture categories; this means that we offer the highest standards of academic quality and educational services when compared to the best universities in Mexico and the world.



CURRICULUM INDUSTRIAL ENGINEERING

| | Course | Credits |
|-----------|---|---------|
| 1 Term | Accounting | 6 |
| | General Chemistry Lab | 3 |
| | Foreign Language I | 6 |
| | University Math | 6 |
| | General Studies Elective In Math * | 6 |
| | General Chemistry | 6 |
| 2 Term | Information Technologies In The Construction Of Knowledge | 6 |
| | Linear Algebra | 6 |
| | Academic Reasoning | 6 |
| | Calculus I | 6 |
| | General Physics I | 6 |
| | Computerized Drawing Lab | 6 |
| 3 Term | General Physics Lab I | 3 |
| | Foreign Language II | 6 |
| | Uncertainty Analysis I | 6 |
| | Computer Applications In The Industry | 3 |
| | Calculus II | 6 |
| | Cost Accounting I | 6 |
| 4 Term | Academic Writing | 6 |
| | Foreign Language III | 6 |
| | General Studies Elective In Humanities * | 6 |
| | Uncertainty Analysis II | 6 |
| | Ordinary Differential Equations | 6 |
| | Ergonomics | 6 |
| 5 Term | Economic Engineering | 6 |
| | General Studies Elective In Arts * | 6 |
| | General Studies Elective In Behavioral Sciences * | 6 |
| | Optimization Theory And Techniques | 6 |

| | Course | Credits |
|-----------------------|--|---------|
| 5 Term | Manufacturing Processes Lab | 3 |
| | Analytical Methods In Systems I | 6 |
| | General Studies Elective In Natural Sciences * | 6 |
| | Professional Practices 1 | 6 |
| | Manufacturing Processes | 6 |
| | Integer And Combinatorial Programming | 6 |
| 6 Term | Lean Systems | 6 |
| | Statistical Quality Control | 6 |
| | Plant Distribution | 6 |
| | Method Engineering | 6 |
| | Analytical Methods In Systems Lab | 3 |
| | Analytical Methods In Systems II | 6 |
| 7 Term | Inventory Models And Queuing | 6 |
| | Systems Security And Engineering Of Resilience | 6 |
| | Design Of Experiments | 6 |
| | Simulation Of Integrated Systems Lab | 3 |
| | Production Planning And Control | 6 |
| | Professional Practices 2 | 6 |
| 8 Term | Simulation Of Integrated Systems | 6 |
| | Select Topics 1 | 6 |
| | Design In Industrial Engineering | 6 |
| | Logistics In Production Systems | 6 |
| | Computer Integrated Manufacturing | 6 |
| | Select Topics 2 | 6 |
| Select Topics 3 | 6 | |

YOUR TIME IS NOW. JOIN US

ADMISSION PROCESS

- Take the admission exam.
- Students from high schools that have an agreement with UDLAP do not have to take the admission exam. Consult the list of participating high schools at: **www.udlap.mx/preparatoriasdeconvenio**
- Deliver the basic documents for admission: **www.udlap.mx/solicitudes**
- Information and deadlines for scholarships can be found at: **www.udlap.mx/becas**
- Current fees and tuition: **www.udlap.mx/finanzas**

We Want to Hear From You

Student Recruitment:

Tel.: 222 229 21 12

informes.nuevoingreso@udlap.mx

☎ (+52) 222 577 38 29

Scholarships:

Tel.: 222 229 27 02

informacion.beca@udlap.mx

Switchboard:

Tel.: 222 229 20 00

Ext. 4792 • 4799 • 4260 • 2189



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THE **UDLAP** ACADEMIC
QUALITY AND PRESTIGE
ARE ENDORSED BY **QS**,
SACSCOC AND **FIMPES**



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Universidad de las Américas Puebla

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