

ACADEMIC PROGRAMS

NATIONAL POLYTECHNIC INSTITUTE



COORDINATION
ACADEMIC
COOPERATION
FOR
NATIONAL POLYTECHNIC INSTITUTE

THE IPN AT A GLANCE



178,188

Total number of students in 2016



1,142

Researchers recognized by the National Council for Science and Technology (CONACYT) and the National System of Researchers (SNI)



162

Partners around the world



82

Academic Units



73,252

Scholarships january - september 2016 *



961,540

Total number of alumni

80 Years

training human resources in the areas of Physical-Mathematical Sciences, Medical and Biological Sciences, Social and Administrative Sciences, to contribute to the development of Mexico.



The **National Polytechnic Institute (IPN)** was established on 1st January 1936 by Presential Decree.

Consistent with its founding principles, the **IPN** has been and will continue to be faithful to its mission, as reflected on its slogan:

“The Technique at the Service of the Nation”

264

Academic Programs at Undergraduate and Graduate levels

BACHELOR'S DEGREE

School Learning

Physical-Mathematical Sciences

Aeronautical engineering
Environmental engineering
Biomedical engineering
Bionic engineering★
Biotechnological engineering
Civil engineering
Electrical engineering
Food engineering
Computer engineering
Communication and electronics engineering
Control and automation engineering
Computer science
Metallurgy and materials engineering
Industrial robotic engineering
Automotive systems engineering
Systems engineering★
Transport engineering
Pharmaceutical engineering
Geophysical engineering
Geological engineering
Industrial engineering
Mathematical engineering
Mechanical engineering
Mechatronics engineering★
Metallurgical engineering
Petroleum engineering
Chemical industry engineering
Oil industry engineering
Telematic engineering★
Textile engineering
Land surveying and photogrammetry engineering
Architectural engineering
BA in industrial administration
BA in computer science
BA in mathematics and physics

Medical-Biological Sciences

Biochemical engineering
Environmental systems engineering
BA in biology
BA in nursing
BA in obstetrical nursing
BA in nutrition
BA in dentistry
BA in optometry
BA in psychology
BA in social work
Medicine and homeopathy
Medicine and midwifery
Chemistry and pharmacobiology parasitologist
Chemistry for the pharmaceutical industry

Social and Administrative Sciences

Public accountancy
BA in administration and business development★
BA in international trade
BA in economics
BA in international business
BA in commercial relations
BA in tourism

On-Line Learning

BA in international trade
BA in international business
BA in commercial relations
Public accountancy
BA in tourism

Blended Learning

BA in tourism

★Programs taught with subjects in english

GRADUATE DEGREES

Majors

Physical-Mathematical Sciences

In computer science
In engineering systems
In mechanical engineering in either mechanical project engineering or industrial project automation
In engineering for land public transport
In thermal engineering
In computing mathematics
In architectural restoration
In computing security and IT
In real-estate valuation

Medical-Biological Sciences

Nursing in gerontology
In human acupuncture
In anesthesiology for rural health services
In applied biotechnology
In surgery for rural health services
In visual functions
In geriatrics
In hematology
In obesity and metabolic syndrome handling
In sports medicine
In pediatric and adult medicine for rural health services
In pharmaceutical medicine
In forensic medicine
In nutrition and functional foods
In therapeutical homeopathy
In ER surgery

Social and Administration Sciences

In financial risk management
In finance
In management of educational institutions
In strategic management of innovation and industrial property
In taxes

Interdisciplinary

In educational physics (non-school learning)
In shore environment management
In advanced technology

Masters

Physical-Mathematical Sciences

In microelectronics engineering science
In energy systems engineering science
In computing science
In architecture and urbanism science
In physics
In aeronautics and space engineering science
In computer engineering science
In systems engineering science
In telecommunications engineering science
In electrical engineering science
In electronics engineering science
In mechanical engineering science
In metallurgical engineering science
In chemical engineering science
In textile engineering science
In mathematics
In mobile computer systems science ★
In digital systems science ★
In thermal fluids science
In physics and mathematics science
In geosciences and natural resources management
In computer science
In aeronautical engineering in either maintenance or production
In civil engineering
In manufacturing engineering
In security and IT engineering
In industrial engineering
In computing technology ★

Medical-Biological Sciences

In biosciences
In applied biotechnology
In health science
In food science
In bioethics science
In molecular biomedicine science
In molecular biomedicine and biotechnology science
In genomic biotechnology science
In the development of biotic products science
In pharmacological science
In immunology science
In agro-ecological management of plagues and diseases science
In occupational health, safety and hygiene science
In biochemical science
In psychological intervention

Social and Administrative Sciences

In administration
In administration of enterprises for the sustainability
In administration and tourism innovation
In administration and public policies
In administration, management, and development of the education
In economics science
In business administration science
In public administration science
In interdisciplinary studies for the small and medium-sized enterprises science
In scientific and technological superior teaching
In county management and economics

Interdisciplinary

Productive biotechnology
Bioprocess science
Preservation and usage of natural resources science
Environmental and sustainable study science
Educational physics science
Environmental management science
Cleaner production engineering science
Marine resources management science
Educational mathematics science
Sustainable agricultural production science
Project management for supportive development
Management and environmental auditing
Policy and technological change management
Natural resources and the environment
Advanced technology
Advanced technology (within industry)



Center of Nanoscience, Micro and Nanotechnologies

*Recognized by CONACYT's National Postgraduate Quality Programs

★Programs taught with subjects in english

GRADUATE DEGREES

Doctorate

Online Programs

Biotechnological Science
Preservation of Landscape Heritage

Physical-Mathematical Sciences

Computer sciences
Architectural and urbanism science
Physics
Electrical engineering science
Mechanical engineering science
Chemical engineering science
Metallurgy and materials science
Digital systems science ★
Physics and mathematics
Communications and electronics
Physics of materials
System engineering

Medical-Biological Sciences

Food science
Molecular biomedicine science
Molecular biotechnology and biomedicine science
Biotic products developmental science
Immunological science
Agro ecological plague and disease science
Biochemical science
Medical research

Social and Administrative Sciences

Administrative science
Economics science

Interdisciplinary

Productive biotechnology
Bioprocess sciences
Preservation and exploitation of natural resources
Educational physics science
Marine science
Energy
Management and policy of innovation
Mechatronics and robotics engineering systems
Educational mathematics
Environmental development
Micro-nanotechnologies and nanoscience
Advanced technology
Advanced technology (within industry)
Interinstitutional fishing and aquatic bioeconomics

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★Programs taught with subjects in english

School of Medical-Biological
Sciences



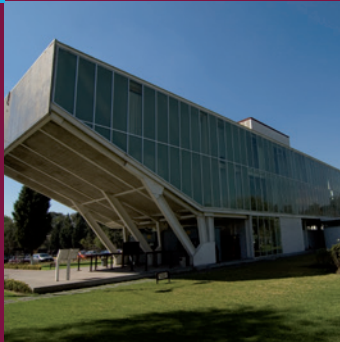
FACILITIES



Olympic Pool



Building "Constellations"



Auditorium "The Conical"



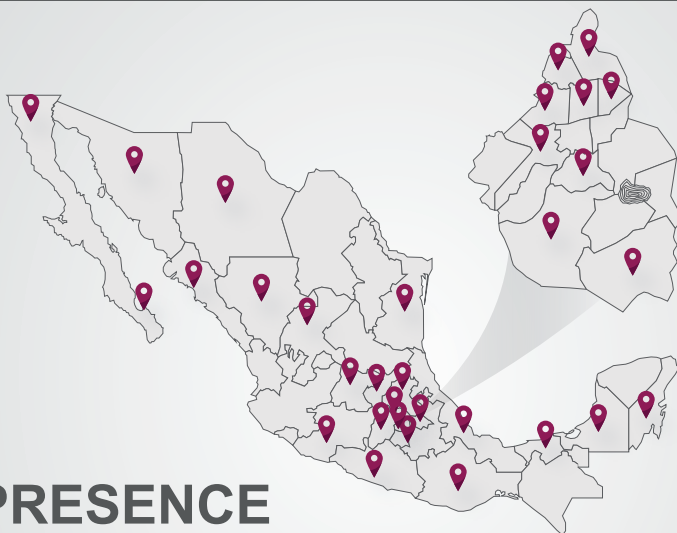
Cafeteria-Biopark



NATIONAL PRESENCE

The **National Polytechnic Institute** has:

82 Academic Units
in **23** States Throughout
the Country



INTERNATIONAL PRESENCE

PARTNERS

162 Partners
in **42** Countries



MOBILITY

Mobility in **89**
Universities
in **33** Countries





COORDINATION
ACADEMIC
COOPERATION
NATIONAL POLYTECHNIC INSTITUTE

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