

# The Instituto Politécnico Nacional, through the Center for Research and Development of Digital Technology

Call for applications for **full-time studies**

## Doctorate of Sciences in Digital Systems

Quality certified by CONACYT's National Postgraduate System.

### INTERNATIONAL APPLICANTS

Admission August 2022



#### PROGRAM DESCRIPTION

The Doctorate of Sciences in Digital Systems program ([dsds.citedi.mx](https://dsds.citedi.mx)) aims at training new international-competency scientists able to create original knowledge in its areas of research: Dynamical Systems and Control in Emergent Technologies, High-performance Intelligent Computing, and Imaging Technology and Modern Telecommunications.

The curriculum ([dsds.citedi.mx/curriculum](https://dsds.citedi.mx/curriculum)) requires eight academic semesters and a minimum of 120 credits. An academic advisor works with each admitted student to customize the curriculum according to their interests.

#### ADMISSION REQUIREMENTS

a. Bachelor's degree, official certificate of completion of undergraduate studies, or equivalent document for applicants who have studied abroad. A minimum grade point average of 7.8/10.0 is required if the studies were carried out in Mexico or 8.0/10.0 if the studies were carried out abroad [art. 8 section I of the REP-IPN\*]. Master's degree diploma and certificate, with a minimum grade point average of 8.0/10.0 [art. 8 section II of the REP-IPN\*]. Undergraduate studies' certificate, bachelor's degree, master's degree and certificate, and birth certificate apostilled, legalized and, if applicable, with official translation.

For further information regarding the procedures for foreigners, visit: <https://www.ipn.mx/assets/files/posgrado/docs/buenas-practicas/sistema-calidad-academica.pdf>

b. To be selected in the ADMISSION PROCESS of the program [art. 8 section III of the REP-IPN\*].

c. Provide original proof (CENLEX, CELEX, Cambridge, Trinity College, Educational Testing Service, Secretaría de Educación Pública) of proficiency at B1 level or equivalent in at least three English language skills according to the Common European Framework of Reference for Languages [<https://www.ipn.mx/assets/files/dfle/docs/referente.pdf>]. The Foreign Language Training Office of the IPN, to verify the fulfillment of the required language proficiency and its expiration date, must endorse proof [art. 8, section IV of the REP-IPN\*].

d. Not to have been permanently withdrawn from any program of the Institute [art. 8 Fracc. V of the REP-IPN\*].

e. Passport (copies of the first and last pages).

f. A support letter from a CITEDI researcher.

g. Two academic recommendation letters, issued by other persons than who grants the support letter.

We suggest that a recognized international researcher issue one of the letters

h. Academic Products form

Available at: [dsds.citedi.mx/products](https://dsds.citedi.mx/products)

i. Official certificate of one of the two exams (scores are good for two years):

- A. EXANI III test,
- B. GRE General test

\*REP-IPN: Postgraduate studies regulation of the Instituto Politécnico Nacional. Visit: <https://www.repositoriodigital.ipn.mx/bitstream/123456789/23355/3/G-extra1358.pdf>

**DONATIONS:** Admitted candidates will formalize their enrollment in the program without any mandatory payment but voluntary contributions are welcome. The institution at the time of formal enrollment will inform the official accounts for donations.

It is possible to transfer postgraduate academic credits from both IPN and other institutions, [art. 17, REP-IPN\*].

The academic and administrative processes related to this call and the completion of postgraduate studies at the Instituto Politécnico Nacional are carried out without any distinction, whether for reasons of gender, race, color, language, religion, political or other opinions, nationality, ethnicity or social origin, wealth, birth or any other condition. All this in order to ensure equity, equality and non-discrimination.

The National Council of Science and Technology (Conacyt) of Mexico awards scholarships for postgraduate studies. The scholarships are subject to the availability and specific requirements of the call issued by Conacyt and they only apply to full-time students without work commitment inside or outside the IPN.

For more information visit: [dsds.citedi.mx/scholarships](https://dsds.citedi.mx/scholarships)

Selected candidates with a graduate scholarship of an international organization will be admitted, but will be not considered to the Conacyt scholarships.

For this call, the maximum enrollment available is 20 full-time students.

Enrollment depends on the number of scholarships provided by Conacyt. If this number is less than the number of selected candidates, the admitted candidates will be those with higher rank in the list of selected candidates up to the number of granted scholarships

m. Cover the admission process fee. According to code 911 from the catalog in: [dsds.citedi.mx/fees](https://dsds.citedi.mx/fees)

n. Curriculum Vitae

o. Digital printout (pdf) of the Conacyt CVU (Mexican citizens only).

p. Letter explaining the reasons why you would like to study the Doctorate of Science program at CITEDI. [SIP-6 format] [dsds.citedi.mx/reasons](https://dsds.citedi.mx/reasons)

q. Letter of commitment of full-time and exclusive dedication to the postgraduate studies.

#### ADMISSION PROCESS

1. Fill out the application form: [dsds.citedi.mx/application](https://dsds.citedi.mx/application)

2. Attend to the admission interview (videoconference).

3. To be selected according to the following:

#### SELECTION CRITERIA

Selected candidates require a minimum score of 1000 in the EXANI III test or 303 in the GRE General test, and a minimum score of 80/100 in the interview. However, the final number of admitted students will be the maximum number of scholarships granted to the program from the National Council of Science and Technology (Conacyt). If this number is less than the number of selected candidates, the admitted candidates will be those with higher rank in the list of selected candidates up to the number of granted scholarships.

The result of the admission process is unappealable.

The admission process is virtual while the Covid-19 emergency remains

#### PROGRAM REQUIREMENTS

The requirements are laid down in article 48 of the REP-IPN\*:

I. To be enrolled in the corresponding doctoral program;

II. Approve the candidacy exam.

III. Comply with your individual set of courses for program completion;

IV. Obtain one of the following products, related to the research work:

a. Research paper published or accepted for publication in a Journal included in the levels A, B or C of the IPN's respective Catalog.

b. Book or Book chapter published or accepted for publication in a recognized publishing company, according to IPN's regulations.

c. Patent in one of the possible modalities, submitted to the Mexican Intellectual Property Regulatory Body (IMPI).

d. Final technical report, as the product of a contract, approved by the third-party.

The tutorial committee will evaluate the concordance of the products with the research work of the student, sending the evaluation results to the collegial body for validation and approval.

V. Have developed a doctoral thesis with the characteristics indicated in the REP-IPN\*.

VI. Approve the degree exam.

#### Key dates

#### International candidates

#### Candidates on Mexico's territory

Key dates	International candidates	Candidates on Mexico's territory
Deadline to complete the application form.	March 25, 2022	May 31, 2022
Interviews with the admission committee	March 31, 2022	June 9, 2022
Delivery of results by e-mail (results are unappealable)	April 28, 2022	June 24, 2022
Enrollment	August 8 y 9, 2022	August 8 y 9, 2022
Academic semester beginning date	August 15, 2022	August 15, 2022

#### INFORMATION AND ASSISTANCE DURING THE ADMISSION PROCESS:

† M.C. Erika Obeso

☎ +52(664)825 0396

✉ [posgrado.citedi@ipn.mx](mailto:posgrado.citedi@ipn.mx)

🌐 [doctorado.citedi.mx](https://doctorado.citedi.mx)

1310 Instituto Politécnico Nacional Ave. Tijuana BC 22435, Mexico.

Any situation originated during the admission process that is not included in this call for applications will be solved in full compliance with the Postgraduate Studies Regulation of the IPN (REP-IPN) by the competent authority, as the case may be.

Call for applications approved by CITEDI's collegial body at its extraordinary meeting no. 18/2021 on December 2, 2021.

ESTE PROGRAMA ES PÚBLICO. AJENO A CUALQUIER PARTIDO POLÍTICO. QUEDA PROHIBIDO EL USO PARA FINES DISTINTOS A LOS ESTABLECIDOS EN EL PROGRAMA.



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