

## **Graduate Program in Physical Sciences<sup>1</sup>** **Master's Degree in Science (Physics)**

### **Instructions for the Call**

for admittance in the 2021-2 semester, which begins on February 15, 2021.

#### **OFFER**

The Master's Degree in Science (Physics), which is the subject of this call, is taught in a face-to-face mode and last 4 semesters (full time), including graduation.

In the following fields of knowledge:

- Quantum, Atomic and Molecular Physics
- High Energy Physics, Nuclear Physics, Gravitation and Mathematical Physics
- Statistical Physics and Complex Systems
- Medical and Biological Physics, Condensed Material and Nanosciences
- Continuous Media
- Optics and Photonics

**NOTE: The Program requires from its students the commitment and dedication to graduate within the time frame established in the curriculum.**

#### **STAGES OF THE SELECTION PROCESS**

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**IMPORTANT: Before you start the registration, you must read completely and accept the terms, conditions of the Call and this Instructions.**

The selection process includes four serial stages:

**STAGE 1.** Registration of applicants and submission of documentation online through the system of the General Directorate for School Administration (DGAE).

**STAGE 2.** Selection process of the Academic Program Committee

**STAGE 3.** Publication of results (on the Program website)

**STAGE 4.** Submission of documents to the DGAE.

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<sup>1</sup> The following academic entities are co-responsible for the studies taught in the Program: School of Sciences, Institute of Astronomy, Institute of Applied Sciences and Technology, Institute of Physical Sciences, Institute of Nuclear Sciences, Institute of Physics, Institute of Materials Research, Institute of Renewable Energies, Centre for Nanosciences and Nanotechnology

## DESCRIPTION OF THE FOUR STAGES

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Before you begin your registration, you should read the curricula of the Master's Degree in Science (Physics) and make sure that you meet the administrative and academic requirements requested and comply with the specifications in each one.

### **STAGE 1. Registration of applicants and sending of documentation online through the system of the General Directorate for School Administration (DGAE).**

**1.A. Registration of applicants:** you must enter the page **Registration of applicants for the graduate program of the UNAM** (<https://posgrado.dgae.unam.mx/ingreso>) from **10:00 am on August 26 to 7:00 pm on September 9, 2020** (Mexico Central Time).

#### ***Considerations for registration on the page *Registration of applicants for the graduate program at UNAM****

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- It is **important** that you personally carry out the registration and procedures requested in these instructions. Avoid omissions or inconsistencies, as **there will be no changes** in the fields or data marked as "required" on the applicant registration page.
- Registration is done online, and the page will be open **24 hours** a day, so distance or time are not an impediment for you to register in person.

**1.B. Submission of documentation online:** Begins at **10:00 a.m. on August 26 to 7:00 pm on September 9, 2020** (Mexico Central Time).

It is necessary to have the **requested documents (see tables 1 and 2)** at hand and in good physical condition to scan them and upload them to the system, in PDF format and of a size not exceeding **4 Megabytes (MB)**; they should be scanned on both sides if necessary, be legible and understandable for the review of your record, taking care to place them in the corresponding section. Please check that the text of the documents you upload is not too dark or faint. If it is a document of more than one page, they should all be part of the same file. Do not scan the pages separately.

- In the **Basic Information** section, upload your recent and formal photograph, in jpg or png format and no larger than 1.5 MB, in front, in color, with a white background (it does not have to be from a photo studio). The photograph is essential to conclude your registration.
- The system allows you to enter as many times as necessary to make changes in your registration or documentation, within the period from 10:00 am on **August 26 to 7:00 pm on September 9, 2020 as long as you only log out and do not terminate your registration by clicking on the *Send request button***.
- To conclude your registration, you must click on the **Send request** button. Once sent, print your **Proof of registration** and, finally, close your session in the system (if you do not see the button *Send application* to print the proof, check that the fields or data to be filled, as well as the documents to be uploaded to the system, are complete).
- It is important that you consider the time it will take to complete your registration and send the documentation into the system. Consider that if you register in the last minutes of the last day, the system may become saturated due to the demand of applicants. **Once the period and time has concluded**, the system will automatically close, preventing you from carrying out any management, and you will not have another opportunity to complete it later.

- The Call is published with enough time in advance so that you can have your documents complete.
- All documents requested must be uploaded to the system during the established period and time, unless a different date is expressly indicated for any document. Submitting the documents does **NOT** guarantee your continuity in the selection process.

You can consult the registration procedure for applicants, in the Instructions section, on the page <https://posgrado.dgae.unam.mx/ingreso/>

**Table 1. Administrative documents**

Documents	Additional considerations
<b>1. Birth certificate*</b>	If accepted, the certificate will be required to be issued no more than 6 months prior to the registration date.
<b>2. Updated CURP</b> , in letter size sheet, using only one side of the sheet (not dark or too light, nor blurred, the text must be fully legible, enlarged to 200% if it has the previous format). <b>CURP</b> obtained on-line is accepted.	For foreign applicants it is not necessary for registration, if they are accepted, they will be able to obtain this document when entering the country. Consult website : <a href="http://www.saep.unam.mx/static/ayuda/manual_tramite_curp.pdf">http://www.saep.unam.mx/static/ayuda/manual_tramite_curp.pdf</a>
<b>3. Original, current official identification</b> , where the text and photograph are completely legible (accepted identifications: voter registration card, passport, driver's license, national military service card or professional certificate).	Accepted identification for foreigners: current passport or FM migration form
<b>4. Degree*</b> in physics or professional certificate of a degree in physics or in a discipline of the Physical-Mathematical Sciences and Engineering.  In the case of applicants who have chosen the postgraduate degree <sup>2</sup> option, they must submit for the selection process, instead of the degree or examination certificate, the letter of registration issued by the academic entity from which the applicant comes, which certifies that the applicant meets the requirements laid down by the corresponding Technical Board for opting for that modality.	If you do not have the document, it is suggested that you load into the system an <b>official certificate, signed and sealed**</b> by the corresponding educational organization or institution, indicating that you have a degree and/or graduate, as well as the reasons why you do not have the document.

<sup>2</sup> Only for UNAM graduates or for institutions that contemplate this degree option and have a specific agreement in force with UNAM in this regard. It is also essential:

- To have covered 100% of the credits in a period of no more than 10 semesters.
- To have completed the credits during the eighteen months prior to the application for admission with an average above the minimum of 9.0 (nine point zero).
- Accreditation of social service and other activities required by the undergraduate curriculum.

Documents	Additional considerations
<p><b>5. Degree Certificate*</b> in physics or in a discipline of the Physical-Mathematical Sciences and Engineering, with an average equal to or higher than 8.0 (eight point zero), certifying 100% of the credits covered, subjects taken, grades obtained in each of these, overall average and photography. Under no circumstances may you enter with a lower average.</p> <p>If the certificate does not indicate the average, an <b>official certificate of average</b> issued by the institution of origin must be attached.</p>	<p>In case you do not have the document, it is suggested that you load into the system an <b>official certificate, signed and sealed**</b> by the corresponding educational organization or institution, indicating that you have completed 100% of credits and/or all academic activities at the level of study specified as your academic background, as well as the overall average obtained.</p> <p>Studies carried out <b>abroad</b> must attach the <b>certificate of equivalence of the general average</b>, issued by the General Directorate of Incorporation and Revalidation of Studies (DGIRE) of the UNAM.</p> <p>Consult website :  <a href="http://www.dgire.unam.mx/contenido_wp/equivalencia-de-promedio/">http://www.dgire.unam.mx/contenido_wp/equivalencia-de-promedio/</a></p> <p>The procedure is personal and independent of the program admission process and must be requested in advance.</p>

\* If accepted into the program, if **documents 1, 4 and/or 5 of Table 1** were issued in a country other than Mexico, they must have the apostille or legalization and, if applicable, a Spanish translation by an expert witness and be submitted at **STAGE 4**. Documentary delivery to the DGAE.

- **Apostille.** Documents issued in the countries that are part of the Hague Convention.
- **Legalization.** Documents issued in other countries that are not part of the Hague Convention. Legalization is done at the Ministries of Education and Foreign Affairs of the country, as well as by the Mexican Embassy or Consul in the place of issue.
- **Guide** for apostille, legalization and translation  
[https://posgrado.dgae.unam.mx/static/ayuda/guia\\_apostille\\_aspirantes.pdf](https://posgrado.dgae.unam.mx/static/ayuda/guia_apostille_aspirantes.pdf)

\*\* If you are accepted into the program, you must submit the missing documentation at **STAGE 4**. Documentary delivery to the DGAE.

**NOTE:** If accepted, the documents in Table 1 will be physically delivered at **STAGE 4. Documentary delivery to the DGAE**, on the date and time indicated on the **Registration of applicants for the UNAM graduate program** (<https://posgrado.dgae.unam.mx/ingreso>). The documents must be legible and in good condition, with no mutilations, erasures, amendments, deterioration or alterations that would prevent legal certainty of their validity.

**Table 2. Academic documents**

Documents	Additional considerations
<p><b>1.</b> Updated <b>Curriculum Vitae</b> without supporting documents.</p>	
<p><b>2.</b> In the case of having it at the time of registration <b>Certificate of text comprehension in the English</b></p>	<p>Additionally, if they have it, non-Spanish speaking foreign applicants must submit proof of their</p>

Documents	Additional considerations
<p><b>language</b>, issued by the National School of Languages, Linguistics and Translation (ENALLT) of the UNAM, another language center of the UNAM, by institutions with agreements with the ENALLT or an equivalent in the opinion of the Academic Committee.</p> <p>In the case of institutions outside the UNAM, the certificate must be equivalent to level B1 of the Common European Framework of Reference for Languages.</p> <p><b>Note:</b> If accepted, it will be indispensable to have the certificate with the indicated characteristics</p>	<p>command of Spanish, corresponding to the Examination of Spanish as a Foreign Language for Academic Purposes (EXELEAA), issued by the Learning Center for Foreigners (CEPE) <i>Centro de Enseñanza para Extranjeros</i> of the UNAM (Consult in advance procedures at: <a href="http://www.cepe.unam.mx/">http://www.cepe.unam.mx/</a>, section Certification).</p> <p><b>Note:</b> In case of being accepted, it will be a requirement of registration to have the Spanish Language Certificate with the characteristics indicated.</p>
<p><b>3. Explanatory letter</b> to the Admissions Subcommittee.</p>	<p>Non-Spanish speaking foreign applicants may submit the letter in English.</p>
<p><b>4. A letter of academic or employment recommendation.</b> Addressed to the Admissions Subcommittee.</p>	<p>Non-Spanish speaking foreign applicants may submit letters in English.</p>
<p><b>5. Letter of entry modality, which specifies the method of entry chosen</b></p>	<p>Free-form writing addressed to the Admissions Subcommittee and signed by the applicant.</p>

#### CLARIFICATIONS AND DOUBTS:

- About **administrative documents** or problems with the **UNAM registration system for graduate candidates** (<https://posgrado.dgae.unam.mx/ingreso>), please contact the telephone number: (55) 56 23 23 00, at extensions 80245, 37072, 37065. The **hours of operation** will be Monday through Friday (working days) from 9:30 to 14:30 and from 17:00 to 18:00 (Central Mexico Time).
- In relation to the **documents in Table 2**, please communicate to the Graduate Program, through the following means: telephone numbers: (01 55) 56 22 51 34 and 56 23 70 16, e-mail: [posgradocienciasfisicas@pegaso.fisica.unam.mx](mailto:posgradocienciasfisicas@pegaso.fisica.unam.mx). **The opening hours will be from Monday to Friday (working days) from 9:00 a.m. to 5:00 p.m. (Central Mexican Time).**

#### STAGE 2. SELECTION PROCESS OF THE PROGRAM'S ACADEMIC COMMITTEE.

The program will publish the list of applicants who continue in the selection process after October 2, 2020 at <http://www.posgrado.fisica.unam.mx/>. You must have the assigned sheet at hand on your registration slip.

Consider that your participation may be terminated at any stage of the process.

#### 2.1 Admission test (written part)

On **December 11, 2020**, from 10:00 a.m. to 14:00 (see entities on the calendar), applicants will take the admission exam (written part) in five basic areas of physics at a level equivalent to that of the Degree in Physics of the School of Sciences of the UNAM: Classical Mechanics, Quantum Mechanics, Electromagnetism, Thermodynamics and Modern Physics, whose syllabus can be consulted at:

<http://www.posgrado.fisica.unam.mx/node/TemariosAdmision>

**Mexican applicants or foreigners not residing in Mexico** may cover the entrance exam (written part) by

- a. The presentation of the results obtained in the GRE exam (Subject Test in Physics), which must be attached to the online registration application in the "**Direct Examination**" mode. The deadline for presenting the results of the GRE exam is **September 9, 2020**.
- b. The presentation of the written part of the admission exam applied by the Program in your place of origin. This can only be done in those countries where the conditions for it exist and will only take place on **11 December 2020**. Applicants who wish to opt for this modality must register by **September 9, 2020** at the latest and specify it by choosing "**Direct Examination**" in their online registration.

At the request of the applicant, and after evaluation and authorization by the Academic Committee, **exemption from the written part of the admission exam** may be granted to students of excellence who meet the following requirements:

- i. To have the title or examination report of the Degree in Physics,
- ii. To have a minimum average of 9 in her/his bachelor's degree,
- iii. Not have more than two failed (retaken) courses on their academic record,
- iv. Have completed the credits for the degree during the eighteen months prior to your application, and
- v. To have covered the credits of the degree in a period not exceeding the duration of studies established in the corresponding curriculum, plus one semester.

Or students who have performed outstandingly in the preparatory courses, in the opinion of the Academic Committee, may be granted exemption from the written part of the entrance examination.

## 2.2 Admission test (oral part)

From **January 7 to 13, 2021**, at the time and place indicated via e-mail, applicants who have passed or exempted the written part of the admission exam will take an oral admission exam with Admissions Subcommittee, which covers five basic areas of physics at a level equivalent to that of the Bachelor's Degree in Physics of the School of Sciences of the UNAM: Classical Mechanics, Quantum Mechanics, Electromagnetism, Thermodynamics and Modern Physics, whose agendas can be consulted at:

<http://www.posgrado.fisica.unam.mx/node/TemariosAdmision>

Note: The Admissions Subcommittee may conduct this examination through one of the Internet's electronic communication services, upon request by an applicant who is unable to travel to Mexico City.

### STAGE 3. PUBLICATION OF RESULTS.

On 25 January 2021, from 15:00 hours, the results of the selection process will be published on the Program website: <http://www.posgrado.fisica.unam.mx>

### STAGE 4. DELIVERY OF DOCUMENTS TO THE DGAE.

Once you have been accepted by the Graduate Program, you must enter on **January 26 and 27, 2021** to the page **Registration of Applicants to the Graduate Program of the UNAM** (<https://posgrado.dgae.unam.mx/ingreso>) in the section Application(s), select the program where you were accepted, and download **the Appointment for document delivery, which contains** the specifications for the physical delivery of documents for entry to the Graduate Program.

**The beginning of the semester is February 15, 2020.**

**Accepted applicants must carry out the registration process in accordance with the Registration Instructions that will be published together with the list of accepted applicants on the Program's website.**

Those who **have not completed** the corresponding procedures and submitted the established documentation, in accordance with the provisions of Article 8, section III of the General Regulations for Graduate Studies, will be deemed not to have fulfilled the requirements set out in the curriculum to enter a graduate program.

**Notes:**

- A. **YOU WILL NOT BE SENT PERSONALIZED INFORMATION OR REMINDERS.** Therefore, all applicants must be aware of their e-mail and the information related to it on the Program's website.
- B. The dates and places indicated in this call are subject to adjustments due to events beyond the Coordination of the Graduate Program in Physical Sciences.
- C. No information or feedback will be given on the applicant's performance in the selection process.
- D. The Master's Degree in Science (Physics) applicants who do not have their bachelor's degree certificate approved before the beginning of the 2021-2 semester **WILL NOT BE ABLE TO REGISTER**, even if they have passed the selection process.
- E. Applicants accepted and officially registered are required to know the **Master's Degree in Science (Physics) Curricula** and the **Operational Rules** of the Program, as well as the **University Legislation**.
- F. Foreign applicants, if accepted, must comply with the immigration provisions for their internment and stay in the country, the renewal of their immigration document ([www.gob.mx/tramites](http://www.gob.mx/tramites)), as well as submit the CURP to the DGAE.
- G. Enrolment in the Master's Degree in Science (Physics) curricula will be conditional on the review of documentation by the DGAE, once accepted.
- H. Master's Degree in Science (Physics) curricula belong to the National Graduate Program of Quality of the National Council of Science and Technology (CONACYT), therefore, their full-time students can be benefited with a scholarship or economic support for the realization of their graduate studies granted by the CONACYT, provided that they meet the requirements established for that purpose by that Council.
- I. The number of scholarships or economic support is determined by CONACYT itself, based on the budget sufficiency it has, so that acceptance into the Graduate Program in Physical Sciences does not guarantee the granting of a scholarship or economic support.
- J. Non-working days: September 15 and 16, November 1 and 2, and December 12, 2020; February 1, 2021
- K. Administrative holidays: December 14 to 31, 2020.
- L. See the privacy notice at [https://www.dgae.unam.mx/aviso\\_privacidad.html](https://www.dgae.unam.mx/aviso_privacidad.html)

## Calendar

ACTIVITY	DATE and TIME (Mexico Central Time)	PLACE
<b>Stage 1.</b> Registration of applicants and electronic sending of documentation.	Until September 9, 2020 at 2:00 pm	<a href="https://posgrado.dgae.unam.mx/ingreso">https://posgrado.dgae.unam.mx/ingreso</a>
<b>Stage 1.</b> List of applicants who meet administrative requirements (proposed research adjustments already requested and delivered)	October 2, 2020 at 2:00 pm	
<b>Stage 2.</b> Selection process, Admission test, written part	December 11, 2020	10:00 to 14:00 hrs
<b>Stage 2.</b> Selection process Admission test, oral part	From January 7 to 13, 2021. The schedule will be announced later via email.	University City UNAM or online
<b>Stage 3.</b> Sending results	January 18, 2021	Via email
<b>Stage 3.</b> Publication of results	January 25, 2021, from 2:00 pm	<a href="http://www.posgrado.fisica.unam.mx/">http://www.posgrado.fisica.unam.mx/</a>
<b>Stage 4.</b> Consult and download the specifications for the physical delivery of entry documents to the Graduate Program	January 26 and 27, 2021	<a href="https://posgrado.dgae.unam.mx/ingreso">https://posgrado.dgae.unam.mx/ingreso</a>
Beginning of semester 2021-2	February 15, 2021	

ANY SITUATION NOT FORESEEN IN THIS CALL WILL BE SOLVED BY THE ACADEMIC COMMITTEE OF THE GRADUATE PROGRAMME IN PHYSICAL SCIENCES

THE SELECTION PROCESS AND THE RESULTS WILL BE UNAPPEALABLE

Program or entity: Institute of Physics

Address: Circuito de la Investigación Científica s/n, Ciudad Universitaria, 04510, Mexico City

Opening hours: Monday to Friday from 9:00 to 14:00

Phones: (01 55) 56 22 51 34 y 56 23 70 16

Emails: [posgradocienciasfisicas@pegaso.fisica.unam.mx](mailto:posgradocienciasfisicas@pegaso.fisica.unam.mx)

Website: <http://www.posgrado.fisica.unam.mx>

Institute of Renewable Energies: Dr. Marina E. Rincón González

Privada Xochicalco S/N Temixco, Morelos, 62580, Mexico.

Email address: [sacad@cie.unam.mx](mailto:sacad@cie.unam.mx)

Center for Nanosciences and Nanotechnology: Dr. Manuel Herrera Zaldívar

Km. 107 Tijuana Highway Ensenada, P.O. Box 2681, 22800, Ensenada, B.C. Mexico

E-mail: [zaldivar@cnyn.unam.mx](mailto:zaldivar@cnyn.unam.mx)

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"FOR MY RACE SHALL THE SPIRIT SPEAK"  
Approved by the Academic Committee on May 29, 2020

**ACADEMIC COMMITTEE OF THE GRADUATE PROGRAM IN PHYSICAL SCIENCES**