



**The Universidad Nacional Autónoma de México through
the Program of Postgraduate Studies in Astrophysics**

With the purpose of providing the student with a solid preparation in astrophysics, as well as in-depth knowledge of his specific area of interest related to the fields offered through the program, enabling him to participate in original and up to date research, contribute in high level academic work and respond to the necessities of the productive sector.

INVITES

In accordance with articles 3^a, section VII, of the Political Constitution of the United States of Mexico; 2nd of the General Law for Education, 1° y 2°, section I, of the Constitutional Law; 1°, 4° y 87 of its General Statute; 1°, 4°, 41, 51 y 52 of the General Regulations of University Studies, 1°, 2°, 12, 13 y 16 of the General Regulations of Enrollment; 1°, 7° y 53 of the General Regulations for Postgraduate Studies; and also 3° and 10 of the General Guidelines for the Operation of the Postgraduate Program, **all parties in Mexico and abroad seeking admission to the following course of studies**, for the semester 2018-1, beginning August 7th 2017:

PhD IN ASTROPHYSICS

To submit an application for enrollment to the program in the areas of:

- ✓ Theoretical Astrophysics
- ✓ Observational Astrophysics
- ✓ Particles and Fields in Astrophysics
- ✓ Astronomical Instrumentation

The following academic entities are co-participants in the programs course of studies:

- ✓ Instituto de Astronomía
- ✓ Instituto de Radioastronomía y Astrofísica
- ✓ Instituto de Ciencias Nucleares
- ✓ Facultad de Ciencias

The program offers:

- In-depth knowledge of the scientific basis that support the area of their expertise. Students will be able to identify and evaluate basic research problems, as well as resolution strategies. They will gain extensive knowledge of the fields of study and of the most important advances in astrophysics, in addition to leading edge observational techniques. Possess the ability to organize research projects in the area and participate in original and up to date research provided through an academically sound basis.
- Accredited professors dedicated to research and teaching, including professional activities outside the university, thereby ensuring the experience, academic quality and practice necessary for student training.
- The possibility to obtain a scholarship, since the Master program is accredited by the “Programa Nacional de Posgrados de Calidad (CONACyT)”, a nationwide quality assurance program and are accredited with the top category of “international.”

1. SELECTION PROCESS

In order to participate in the current process it is necessary to comply with all enlisted steps in a timely manner. Omission of any of these steps or failure to present the required document annuls the candidate's participation in the selection process. Any altered or forged document or strong academic faults will result in the cancelation of the selection process without possibility to appeal, even if the candidate has already been accepted or enrolled, in which case the enrollment will be annulled or cancelled and all resulting aspects will be deemed without effect.

The programs Academic Committee is in charge of the selection process. A jury, assigned by the Academic Committee, conducts the academic interviews and emits a preliminary result.

The Academic Committee ratifies or rectifies the list of accepted applicants, which will be published in the following web page under information on admission to the program: <http://www.astroscu.unam.mx/POSGRADO/index.php/admision>

The selection process includes the following steps:

A. Candidate registration

Between January 31st and June 9th 2017, candidates will have to:

1. Create an account and register their application in the "Sistema Integral de Información del Posgrado (SIIPosgrado)", using the following web page: <http://siip.posgrado.unam.mx/siip/Menu/Login>.
2. Fill out, print, sign and submit the application form in the provided format, available through the SIIPosgrado. *Pdf file*
3. Indicate a possible PhD tutor as well as names of professors that directed the candidate's master thesis
4. Once registered in the SIIP, in the section of requirements, under *research project*: Indicate the title of the **research topic their oral presentation** before the jury will focus on, including a *pdf file*, with a brief explanation of maximum two pages on the topic of their presentation. This must include title, summary and bibliography. The presentation has to be about any recognized topic in contemporary astrophysics, such as research done during the masters, the one planned during the PhD or any other topic of interest chosen by the candidate.

B. Loading documents in the SIIP

All applicants have until June 23rd 2017 to upload to the following page:

<http://siip.posgrado.unam.mx/siip/Menu/Login> **all listed documents in the required format**, no larger than 1 MB per document.

DOCUMENTATION

1. Signed application form, confirming acceptance of the terms of this convocation. *Pdf file*
2. Two page written essay (500 words) including the reasons for applying to the PhD Program in Astrophysics. *Pdf file*
3. Updated Curriculum Vitae. *Pdf file*
4. A recent color photo, size "infantil" and white background. *JPG file*
5. Three letters of recommendation of recognized academics that know the candidate's previous work. The letter format can be downloaded from <http://www.astroscu.unam.mx/POSGRADO/index.php/admision>. The letters of recommendation **must be send** from the email address of the academic signing the letter to the following email: posgrado@astro.unam.mx. Letters will have to be signed and send in *Pdf file*
6. Proof of reading level comprehension or above of the English language as judged by the Academic Committee and equal to a B1 level of the European guidelines for languages. *Pdf file*

In addition for:

Candidates with studies in Mexico and/ or Mexican nationality

1. Updated birth certificate. Letter-sized page. *Jpg file*
2. "Clave Única de Registro de Población" (CURP). *Pdf file*
3. Official certificate of studies for the undergraduate and master degree that includes the grade point average and certifies completion of 100 % of credits. In case the grade point average does not appear in the certificate of study a separate, official university letter containing the gpa, will have to be provided. *JPG file*
4. Undergraduate and master diploma or certificate of graduate exam: Letter-sized page of both sides of the diploma and grade (in case of national emissions, the register for the "Dirección General de Profesiones of the Secretaría de Educación Pública, will have to be included). *Jpg file*
5. Applicants with studies in Mexico, need to provide a copy of their professional card. *Pdf file*

Candidates with studies outside Mexico or of foreign nationality (legalization of documents and other requirements):

1. Legalized or apostilled birth certificate. In case the document is in a language other than Spanish, a translation by an official translator certified in Mexico is required. *Jpg file*
2. Official certificate of studies from the undergraduate and master degree that includes the grade point average and certifies completion of 100 % of credits. In case the grade point average does not appear in the certificate of study, a separate, official university letter containing the gpa, will have to be provided. Legalized and apostilled and, in case the document is in a language other than Spanish, a translation by an official translator certified in Mexico is required. *Jpg file*
3. Undergraduate and master diploma: Letter-sized page, legalized and apostilled and, in case the document is in a language other than Spanish, a translation by an official translator certified in Mexico, is required. *Jpg file*
4. Equivalency of grade point average obtained through the "Dirección General de Incorporación y Revalidación de Estudios" (DGIRE) of the UNAM. The required steps for obtaining the equivalence are listed in the following web page: <http://www.dgire.unam.mx> *Jpg file*

In case of acceptance to the program, foreign candidates planning to reside in Mexico must:

- a. Follow the immigration requirements necessary for their entry permit into the country, as well as renewal of any immigration document (<http://www.gob.mx/tramites>).
- b. Apply for the CURP through <http://www.gob.mx/tramites/ficha/obtencion-de-la-curp/SEGOB173>.

INCOMPLETE DOCUMENTS OR THOSE SUBMITTED AFTER THE DEADLINE WILL NOT BE ACCEPTED UNDER NO CIRCUMSTANCES AND WITHOUT EXEPTION (CANDIDATES THAT DO NOT COMPLETE REGISTRATION AND UPLOAD DOCUMENTS TO THE SIIP BY THE DUE DATE ARE NOT ABLE TO CONTINUE WITH THE SELECTION PROCESS)

C. Acceptance of the research subject to presented in front of a jury.

On June 23rd 2017 an email will be send to the address registered at the SIIPosgrado confirming acceptance or requesting changes on the research topic to be presented in an oral interview in front of a jury assigned by the academic committee. In case the topic is not accepted, the candidate will be given a new one.

D. Academic interview

Candidates are required to participate in the academic interview in front of the jury chosen by the academic committee on the date, time and place previously indicated through email.

During the interview the jury will judge the candidate's knowledge of physics and astrophysics, as well as his capability to participate in research at the doctoral level. This is done through the candidate's oral presentation, for a total of no more than 30 minutes about current knowledge of an accepted or assigned research topic. This is followed by a question and answer session about the topic presented as well as basic astrophysics.

2. PUBLICATION OF RESULTS

- Results of the selection process will be published on **August 3rd 2017** on the programs web page: <http://www.astroscu.unam.mx/POSGRADO/index.php/admision>

All accepted candidates need to:

1. **Submit the request form for principal tutor and tutorial committee no later than noon on August 4th in pdf format to: heike@astro.unam.mx**
2. **Review the instructions listed on the programs web page: <http://www.astroscu.unam.mx/POSGRADO> in order to complete the registration. Candidates who failed to submit all required documents by the due date will not be able to register.**

3. CALENDAR

Activity	Date	Time / Place
Candidate registration.	January 31 st to June 9 th 2017	From 10:00am to 8:00pm http://siip.posgrado.unam.mx/siip/Menu/Login The system will close exactly 8:00 p.m. Therefore candidates are encouraged to upload documents at least one hour prior to closing.
Registry of the research topic <i>pdf file</i> and list of professors / tutors	January 31 st to June 9 th 2017	From 10:00am to 8:00pm http://siip.posgrado.unam.mx/siip/Menu/Login
Uploading of all required documents	January 31 st to June 23 rd 2017	From 10:00am to 8:00pm http://siip.posgrado.unam.mx/siip/Menu/Login
Notification of the acceptance of the research topic or request for change	June 23 rd 2017	Send to the email address the candidate registered in the SIIPosgrado
Academic Interview.	Between July 24 th and July 28 th 2017	In each entity. http://www.astroscu.unam.mx/POSGRADO/index.php/admision Information on date, time and place will be send to each applicant prior to <u>the scheduled interview.</u>
Publication of final results.	August 3 rd 2017	http://www.astroscu.unam.mx/POSGRADO/index.php/admision
All accepted candidates must turn in a request for assignment of a principal tutor and a tutorial committee, as well as a brief description of their PhD project. <i>Pdf file</i>	August 3 rd until noon August 4 th 2017	Via email to: heike@astro.unam.mx
Beginning of the 2018-1 semester	August 7 th 2017	In each entity

Notes:

- All applicants will have to be on top of scheduled dates for registration, submission of documents, academic interview, results, registry and beginning of academic activities.
- All dates and steps indicated in the present announcement may have to be adjusted for reasons beyond the control of the Program of Postgraduate Studies in Astrophysics.
- The Program Coordination is unable to provide any feedback about the applicant's performance during the selection process.

ANY SITUATION NOT CONTEMPLATED IN THE PRESENT ANNOUNCEMENT WILL BE RESOLVED BY THE ACADEMIC COMMITTEE. THE SELECTION PROCESS AND RESULTS WILL BE UNAPPEALABLE.

CONTACT INFORMATION:

Coordinación del Programa de Posgrado en Astrofísica

Unidad de Posgrado. Circuito de Posgrados, Ciudad Universitaria, Cd. Mx. CP 04510

Edificio C Primer piso.

Email: heike@astro.unam.mx and posgrado@astro.unam.mx

Tel: (52 55) 56230222 Ext.80067

Opening hours: Monday through Friday between 10:00 to 14:00 hours.

<http://www.astrosu.unam.mx/POSGRADO/index.php/admision>

Sincerely,

"Por mi Raza Hablará el Espíritu"

Approved by the Academic Committee on November 7th 2016.

**ACADEMIC COMMITTEE OF POSTGRADUATE STUDIES IN
ASTROPHYSICS**