



M.Sc. Program in Astrophysics 2022

INAOE Puebla Mexico

The Instituto Nacional de Astrofísica, Óptica y Electrónica (INAOE) in Puebla is a frontier center for research in Astrophysics in Mexico, with an active postgraduate program that offers **M.Sc. and Ph.D. degrees in Astrophysics and Astronomical Instrumentation**. INAOE is playing a pivotal role in the exploitation of large observational infrastructures at Sierra Negra in Puebla, such as the Large Millimeter Telescope Alfonso Serrano and the High-Altitude Water Cherenkov Experiment. Other INAOE facilities in astronomy include a 2.12-m reflector at the Observatory Guillermo Haro (Sonora, Mexico), and two laboratories for building and testing astronomical instrumentation. The staff and students at INAOE also have access to the 10.4-m Gran Telescopio Canarias (Spain) and the telescopes at the National Astronomical Observatory (San Pedro Mártir, Mexico). Moreover, researchers in our department have access to high-performance super-computing facilities to perform numerical simulations to better understand complex physical processes such as the evolution of stellar clusters or galaxy mergers. Aspirants to our M.Sc. Program should have completed their Bachelor's degree (in Physics or related sciences for the masters in Astrophysics; Electronic Engineering or other technical areas for masters in Astronomical Instrumentation) before July 31st. Applications (in English or Spanish) should be sent by email as PDF files before April 15th to the address at the bottom of this announcement, and should include:

1. **A cover letter** (addressed to Dr. José R. Valdés, head of the Department of Astrophysics),
2. **Curriculum vitae**,
3. **Two letters of recommendation** (to be sent directly to the email address below),
4. **A scanned transcripts of the Bachelor's degree**, showing courses taken and grades achieved up to the time of application.
5. **A scanned copy of the main page of your passport**.

The cover letter should summarize the current status of the candidate's studies, highlighting the work carried out by the applicant as part of any paper, project or B.Sc. thesis. The candidates are encouraged to express their interest in the research carried out at INAOE. Information about INAOE staff members and their topics of research is available at <http://astro.inaoep.mx/en/>.

The short-listed candidates should be available for a telephonic interview that will take place within two weeks of the deadline and, if needed, a written test on astrophysical or instrumentation topics to be conducted remotely. All students in the M.Sc. program at INAOE receive a 2-year scholarship from the Mexican National Council for Science and Technology (CONACyT). Basic knowledge of Spanish is desirable, but not a requirement.

Contact address:

Dr. Daniel Rosa González (hapsatinaoe@gmail.com)

Head of the Astrophysics Postgraduate Studies at INAOE

