



## Arizona State University (Tempe campus)

### Astrophysics and Astronomy, MS

#### Study details

**Course type:** Master's degree

**Degree:** Astrophysics and Astronomy, MS LAASTPHMS

**Study mode:** Full time

**Duration:** 24 Month

#### Cost of study

**Cost :** 38 526 USD

**Reg. fee :** 115 USD

**Scholarship :**

**Insurance :** 2 765 USD

#### Intake/s

Dec/Oct

#### Requirements

##### Admission requirements

- Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.
- Applicants are eligible to apply to the program if they have earned a bachelor's degree in any field from a regionally accredited institution.
- Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

1. graduate admissions application and application fee
2. official transcripts
3. statement of purpose
4. three letters of recommendation
5. proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency (TOEFL 80 (no band below 20) (IELTS 6.5 at least 6.0 in all skills)) regardless of their current residency.

#### Accommodation

Provided by partner agencies;

On-campus housing and meals \$18,933

## Speciality

### **STEM-OPT for international students on F-1 visas**

This program may be eligible for an Optional Practical Training extension for up to 24 months. This OPT work authorization period may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension at ASU's International Students and Scholars Center website.

The OPT extension only applies to students on an F-1 visa and does not apply to students completing a degree through ASU Online.

## Additional information

### **Program description**

Degree awarded: MS Astrophysics and Astronomy

The MS program in astrophysics and astronomy provides fundamental graduate training in both astrophysics and astronomy.

Students take graduate-level courses in stars and interstellar media, galaxies and cosmology; obtain quantitative skills through analysis and modelling; and they may have observation opportunities through regional and international telescope observatories.

### **Accelerated program options**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with:

- Aerospace Engineering (Aeronautics), BSE
- Aerospace Engineering (Astronautics), BSE
- Aerospace Engineering (Autonomous Vehicle Systems), BSE
- Earth and Space Exploration, BS
- Earth and Space Exploration (Astrobiology and Biogeosciences), BS
- Earth and Space Exploration (Astrophysics), BS
- Earth and Space Exploration (Exploration Systems Design), BS
- Earth and Space Exploration (Geological and Planetary Sciences), BS
- Electrical Engineering, BSE
- Electrical Engineering (Electric Power and Energy Systems), BSE
- Mechanical Engineering, BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program.

### **Career opportunities**

Professionals with expertise in astrophysics and astronomy are in high demand across all sectors and industries, including remote sensing, data science, building instruments and scientific research. Coding and numerical modeling skills translate across many domains, even beyond astrophysics. Skills in the measurement and analysis of data related to the physics, chemistry and structure of the universe and exoplanetary systems are valuable to businesses and institutions relying on data-driven strategies to explore beyond the Earth and solar system.

This degree program prepares candidates for further graduate study or for careers in related fields such as scientific staff positions at government laboratories, teaching at the community college level and technical positions in industry. Career examples include:

- data scientist
- research astronomer
- telescope operator