

Astrophysics

How do we find new earths?

What is dark matter and how do we know it's there?

How will the discovery of gravitational waves add to our understanding of the universe?

What does it look like as you fall into a black hole?

Why do we need supercomputers to study the big bang?

How will the coming generation of telescopes allow us to peer further back into the history of the universe?

Some of the largest unsolved problems in physics are in the field of astrophysics. This includes theories of dark matter and dark energy. You'll explore the current state of knowledge in astrophysics, examine new and emerging theories, and utilize modern techniques to analyze and solve problems in astronomy and astrophysics.

You'll also develop extensive knowledge in physics and math, as well as strong analytical and computational skills.

Gain a fundamental background in physics and astronomy, while exploring current advances and the newest technologies in the field of astrophysics.



What will I study?

- Astronomy
- Condensed Matter
- Cosmology
- Mathematical Physics
- Quantum Mechanics
- Statistical Mechanics
- Techniques in Modern Astrophysics
- Topics in Contemporary Physics

What can I do with my degree?

Pursue career and advanced education opportunities in a variety of areas including:

- Computing and aerospace sectors
- Data science
- Observational astronomy
- Observatory technician
- Remote sensing
- Science communication
- Secondary school teaching (through concurrent education)
- Theoretical astrophysics

An undergraduate Physics degree—with a specialization in Astrophysics—allows you to pursue graduate studies in astronomy and astrophysics.

Want more information?

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