

LEARNING OUTCOMES: ASTRONOMY, MS

Learning Outcomes for the degree of Master of Science in Astronomy

LO1. Infer and characterize the physical mechanisms that govern the observable properties of the Universe and its constituents, including galaxies, stars, and planets, as well as the changes in those properties over time.

LO2. Understand how the observational, statistical, and computational methods of modern astronomy are used to generate the scientific knowledge referred to in LO1.

LO3. Plan and perform original research in astronomy and astrophysics.

LO4. Effectively communicate astronomy knowledge and research results in both oral and written form to a variety of audiences. LO5. Demonstrate the ability to formulate and write a research proposal.