

ASTRONOMY, PH.D.

LEARNING OUTCOMES

1. Demonstrate mastery of basic observational techniques and the core astrophysical processes that govern the structures and evolution of major cosmic systems
2. Formulate scientific hypotheses and design original research that pushes beyond current boundaries of knowledge
3. Create research and scholarship that substantively advances a specific field of study within astronomy
4. Communicate complex ideas in a clear and understandable manner to students, research professionals, and lay audiences
5. Foster ethical and professional conduct
6. Demonstrate breadth within their learning experiences and awareness of the status of contemporary research beyond the student's area of specialization