LSA PHYSICS
UNIVERSITY OF MICHIGAN

Honors Physics

An honors major in physics or interdisciplinary physics (IP) puts you in a distinguished category of individuals who are focused on becoming next generation leaders, in physics as well as in related scientific, technical and policy areas. The physics/IP honors major provides first-year students with smaller introductory classes and offers all students the chance to develop their talents in a research-focused, community setting. Many research projects involve collaborations, on scales ranging from other University of Michigan programs, such as the Astronomy Department or the Medical School, to global research enterprises such as the Large Hadron Collider or the Dark Energy Survey.

Honors Major Requirements

Students who are performing at a high level (roughly a 3.4 GPA or better) in physics coursework in their first or second year are encouraged to meet with a faculty advisor and elect an honors physics/IP major. A student must maintain at least a 3.4 GPA to graduate with honors.

In addition to the regular major requirements, honors majors must complete the following:

Honors Physics

- Must elect six physics credits from 400-level courses and above which are not otherwise required.
- Must also complete a senior honors thesis based on research done under the supervision of a faculty member. You may register for PHYSICS 498/499: *Introduction to Research for Honors Students* as part of the senior thesis work.

Honors Interdisciplinary Physics

- Must elect three additional physics credits from courses numbered 401 and above which are not otherwise required.
- Must elect an additional three credit cognate course as part of the cognate program.
- Must also complete a senior honors thesis based on research done under the supervision of a faculty member. You may register for PHYSICS 498/499: *Introduction to Research for Honors Students* as part of the senior thesis work.

In addition to extra course work, honors students complete a senior research thesis under the mentorship of a UM Physics faculty member. The research typically begins during the student's third year and takes place over several terms, sometimes including spring/summer. The skills gained, papers published, presentations given, and friends and colleagues made are among the many lasting rewards of such a deeply immersive experience. The research frequently helps guide students toward their next stage in life, be it graduate school or a career in teaching, industry, government or elsewhere.

For more information, please contact:

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