updated June 2024

Department of Physics
2024/2025 Timeline for 1st-year students

Getting Started

• TATT 600 training	August 22 and 23, 2024
• JPE 600	August 16, 2024
• Physics Orientation	August 26, 2024, 11:00 am, MSC N215
• Physics Placement Exam	Upon request
• Research Presentations by Faculty	Aug. 29, 2024, 4:00 – 6:00 pm, Aug. 30, 2024, 12:00 – 2:00 pm, MSC N215

Matching of Students for Rotation for Fall & Spring Semesters

- Students submit a list of 5 professors in order of preference – Sept. 20, 2024
- Students informed of their rotations – Friday, Sept. 27
- Rotation #1 (12 weeks), Monday, Sept 30, 2024 – Friday, December 20, 2024
  Completion rotation report due: Friday, December 20, 2024. ***Please note: Extensions granted only by request, must be approved by Advisor before submission.***
- Rotation #2 (12 weeks), Monday, January 20, 2025 – Friday, April 11, 2025
  Completion rotation report due: Friday, April 11, 2025. ***Please note: Extensions granted only by request, must be approved by Advisor before submission.***
- Students submit faculty preference – Friday, April 25, 2025
- Students informed of advisors – Friday, May 2 2025
- Start of Summer Research – Monday, May 5, 2025

First Year Course Work

Fall 2024 Phys 501, Quantum Mechanics (3 credit hrs.)
Phys 502, Mathematical Methods I (3 credit hrs.)
0-1 *elective*:
554: Molecular Biophysics (3 credit hrs.)
562: Intro to Soft Matter (3 credit hrs.)
544 Advanced Lab (3 credit hrs.)
751: Physics of AI (3 credit hrs.)
599R Research (2 credit hrs.)
590A/B: Seminar Teaching College Physics (1 credit hr.)
ELSP on demand

Spring 2025 Phys 503, Classical Theory of Particles and Fields (3 credit hrs.)
Phys 504, Collective and Emergent Phenomena (3 credit hrs.)
0-1 *elective*:
*564: Polymer Physics (*3 credit hrs.*)*
702: Advanced Mathematical Methods (3 credit hrs.)
751R: Topological Phases of Matter (3 credit hrs.)
544 Advanced Laboratory
599R Research (2 credit hrs.)
590A/B: Seminar Teaching College Physics (1 credit hr.)
ELSP Courses on demand

Summer 2025 Phys 599R Research (9 credit hrs.) (S/U) with PhD Advisor