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