PhD in Physics

In general, programs of study should be developed by students with their advisors.

*Required Courses – 17 credits
**Electives – 17 credits
Doctoral Thesis – 26 credits

Year 1
First attempt at Qualifying Exam (August)
Fall semester
• PHSX 501 - Mathematical Methods and Their Applications in Classical Mechanics (3)*
• PHSX 506 - Quantum Mechanics I (3)*
• PHSX 594-001 - Teaching Seminar (1)*
• Elective (optional)**
Second attempt at Qualifying Exam if needed (January)
Spring semester
• PHSX 519 - Mathematical Methods and Their Applications in Electromagnetic Theory (3)*
• PHSX 535 - Statistical Mechanics (3)*
• PHSX 594-015 - Introduction to Research (1)*
• Elective (optional)**

Year 2
Third attempt at Qualifying Exam if needed (August)
Fall semester
• PHSX 520 - Electromagnetic Theory II (3) or ASTR 550 - Radiative Processes in Astrophysics (offered Spring even years)*
• Elective**
• Elective (optional)**
Fourth attempt at Qualifying Exam if needed (January)
Spring semester
• Elective**
• Elective**
• Elective (optional)**
PhD Candidacy/Comprehensive Exam (scheduled no later than Spring of the second year)
Year 3
• Complete electives**
• PHSX 690 - Doctoral Thesis
Year 4
• PHSX 690 - Doctoral Thesis
Year 5/6
• PHSX 690 - Doctoral Thesis