

DOCTORAL DEGREE REQUIREMENTS

General policies for all University of Oklahoma doctoral programs are available in the [Graduate College Bulletin](#).

DOCTOR of PHILOSOPHY

D082

MAJOR: Astrophysics

Program effective **Summer 2023**

COURSEWORK REQUIREMENTS

CORE COURSEWORK

Doctoral students are required to take 11 core courses. Six of these provide the basic physical principles that are fundamental for astrophysics research.

<input type="checkbox"/> PHYS 5000	Introduction to Graduate Studies	0 hours
<input type="checkbox"/> PHYS 5013	Mathematical Methods in Physics	3 hours
<input type="checkbox"/> PHYS 5153	Classical Mechanics	3 hours
<input type="checkbox"/> PHYS 5163	Statistical Mechanics	3 hours
<input type="checkbox"/> PHYS 5393	Quantum Mechanics I	3 hours
<input type="checkbox"/> PHYS 5573	Electrodynamics I	3 hours
<input type="checkbox"/>	Additional five core courses that cover applications of physics principles in astrophysical settings can be selected from Astronomy and Physics courses at the 5000-level and above (excluding 5980 and 6980) or in related fields at the G4000-level and above if approved by the advisory committee and graduate liaison	15 hours
Total.....		30 hours

Elective Coursework

<input type="checkbox"/>	Additional electives to reach 90 hours, as approved by the advisory committee and graduate liaison.	
Total.....		0-58 hours

Dissertation Research

<input type="checkbox"/> PHYS 6980	Research for Doctoral Dissertation	2-60 hours
	2 hours minimum / 60 hours maximum	
<input type="checkbox"/> TOTAL.....		90 hours