

Course structure for the Physics PhD/Integrated PhD program

	Int. PhD.	Int. PhD.	PhD.
Minimum number of credits	100 credits	80 credits	60 credits
Compulsory requirements (number of credits shown in parenthesis)	6 core (22); 1 lab (8); 3 projects (24); 4 elective classroom courses (16): total 70 credits	6 core (22); 1 lab (8); 2 projects (16); 2 elective classroom courses (8): total 54 credits	6 core (22); 2 projects (16); 2 elective classroom courses (8): total 46 credits
Number of credits as per students' choice: any combination of classroom or reading courses or projects	30 credits	26 credits	14 credits
Suggested timeline for choosing advisor (after two projects)	End of Semester III	End of Semester III	End of Summer I
TIFR PhD registration deadline	End of 3rd year	End of 3rd year	End of 2nd year

Here is a suggested plan for completing the credit requirements for PhD registration. Core courses are shown in bold font. **Students have the option to deviate from this plan (in consultation with their faculty mentors) provided they can meet the credit requirements before the registration deadline.**

Semester I (Aug-Nov)	1 elective (4) [Recommendation: Quantum mechanics 1 at IISc/TIFR]	1 elective (4) [Recommendation: Quantum mechanics 1 at IISc/TIFR]	Adv quantum mechanics (4)
	Classical mechanics (4)	Classical mechanics (4)	Classical mechanics (4)
	Research methodology I (2)	Research methodology I (2)	Research methodology I (2)
	1 elective (4) [Recommendation: Mathematical Methods]	1 elective (4) [Recommendation: Mathematical Methods]	1 elective (4) [Recommendation: Mathematical Methods]
Semester II (Jan-Apr)	Lab (8)	Lab (8)	Research project (8)
	Adv Electromagnetism (4)	Adv Electromagnetism (4)	Adv Electromagnetism (4)
	1 elective (4) [Recommendation: Statistical mechanics 1 at IISc/TIFR]	1 elective (4) [Recommendation: Statistical mechanics 1 at IISc/TIFR]	Adv Statistical mechanics (4)
	1 elective (4) [Recommendation: Numerical Methods]	1 elective (4) [Recommendation: Numerical Methods]	1 elective (4) [Recommendation: Numerical Methods]
Summer I (May-Jul)	Research project (8)	Research project (8)	Research project (8)
Semester III (Aug-Nov)	Research methodology II (2) Research & publication ethics (2)	Research methodology II (2) Research & publication ethics (2)	Research methodology II (2) Research & publication ethics (2)
	Research project (8)	Research project (8)	1 elective (4)
	Adv quantum mechanics (4)	Adv quantum mechanics (4)	Research project or 2 electives (8)
Semester IV (Jan-Apr)	Research project (8)	Research project or 2 electives (8)	
	Adv Statistical mechanics (4)	Adv Statistical mechanics (4)	
	1 elective (4)		

Summer II (May-Jul)	Research project (8)	Research project (8)	PhD Regn deadline
Semester V (Aug-Nov)	2 electives (8)		
	Research project or 2 electives (8)		
Semester VI (Jan-Apr)			
Summer III (May-Jul)	PhD Regn deadline	PhD Regn deadline	