

Master of Science in Applied Physics

Degree Codes: ES MS PHYS

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Overall requirements for the specific options are as follows:

Requirements for all degree types

Course Category	Number	Course Name		SCH	
Core Courses	PHYS 510	Mathematical Methods in Physics	3	3	
	Take 3 courses from the following list				
	PHYS 511	Electromagnetic Theory	3	9	
	PHYS 512	Solid State Physics	3		
	PHYS 521	Theoretical Mechanics	3		
	PHYS 522	Quantum Mechanics	3		
	PHYS 533	Statistical Mechanics	3		
Total				12	

Thesis Option (in addition to the courses above)

Course Category	Number	Course Name		SCH
Electives	12 credits of electives in consultation with student's advisory committee*			12
Thesis	PHYS 551	Research & Thesis (only 6 SCH may count towards the degree and at least 3 SCH must be taken in the quarter of graduation)		6
Total				30

Practicum Option (in addition to the courses above)

Course Category	Number	Course Name		SCH
Electives	21 credits of electives in consultation with student's advisory committee*			21
Practicum	PHYS 549	Research & Reporting		3
Total				36

No Coursework Only Option Available

*The maximum number of variable credit Directed Study courses that can be applied towards the degree is 6 SCH.

Plan of Study Important Information: When entering information in the plan of study, it is important to note that only core courses and all core courses need to be put in section 1.1, while all others are put in section 1.2 (i.e. special topics, seminar, and research courses). See <http://coes.latech.edu/grad-programs/plan-of-study-instructions.pdf> for plan of study instructions.

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