

Schematic Study Plan for Physics

BSc Physics (180 CP)								
Year 3	Bachelor Thesis and Seminar (m, 15 CP)					Big Questions (me, 5 CP)	Big Questions (me, 2.5 CP)	
	Study Abroad Option (22.5 CP)					Community Impact Project (m, 5 CP)	Big Questions (me, 2.5 CP)	
	Specialization (me, 15 CP)							
Internship/Start-Up (m, 15 CP)								
Year 2	CORE* Quantum Mechanics (m, 5 CP)	CORE* Computational Physics (me, 5 CP)	CORE Statistical Physics (m, 5 CP)	CORE Advanced Physics Lab II (m, 5 CP)	CORE Renewable Energy (me, 5 CP)	Methods/Skills Numerical Methods Discrete Mathematics (me, 5 CP)	Language (me, 2.5 CP)	
	CORE* Analytical Mechanics (m, 5 CP)		CORE Electrodynamics (m, 5 CP)	CORE Advanced Physics Lab I (m, 5 CP)	CORE Advanced Physics Lab III (me, 5 CP)	Methods/Skills Probability & Random Proc. Programming in Python (me, 5 CP)	Language (me, 2.5 CP)	
Year 1	CHOICE* Modern Physics (m, 7.5 CP)		CHOICE Applied Mathematics (me 7.5 CP) Intro. to Robotics and Intelligent Systems (me, 7.5 CP)		CHOICE Own Selection (me, 7.5 CP)	Methods/Skills Calculus and Elements of Linear Algebra II (m, 5 CP)	Language (me, 2.5 CP)	
	CHOICE* Classical Physics (m, 7.5 CP)		CHOICE Own Selection (me, 7.5 CP)		CHOICE Own Selection (me, 7.5 CP)	Methods/Skills Calculus and Elements of Linear Algebra I (m, 5 CP)	Language (me, 2.5 CP)	
Area	CHOICE/CORE 90 CP					JACOBS TRACK 45 CP		

* mandatory for minor students
m = mandatory
me = mandatory elective