

Structure of the Bachelor's Course of Study International Physics Studies Program (IPSP)

1st Sem.	12-PHY-BIEP1 (8 CP) Experimental Physics 1 – Mechanics		12-PHY-BIPTP1 (8 CP) Theoretical Physics 1 – Classical Mechanics 1	10-PHY-BIMA1 (9 CP) Mathematics 1 – Linear Algebra and Calculus of Functions of One Variable	Elective Area 2 (Non-Physical Electives) (10 CP)
2nd Sem.	12-PHY-BIEP2 (8 CP) Experimental Physics 2 – Thermo- and Electrodynamics		12-PHY-BIPTP2 (8 CP) Theoretical Physics 2 – Electrodynamics 1	10-PHY-BIMA2 (9 CP) Mathematics 2 – Calculus of Functions of More Than One Variable	
3rd Sem.	12-PHY-BIEP3 (8 CP) Experimental Physics 3 – Electromagnetic Waves and Foundations of Quantum Physics	12-PHY-BIGP1 (5 CP) Basic Physics Laboratory 1	12-PHY-BIPTP3 (8 CP) Theoretical Physics 3 – Classical Mechanics 2 and Electrodynamics 2	10-PHY-BIMA3 (9 CP) Mathematics 3 – Vector Calculus and Partial Differential Equations	
4th Sem.	12-PHY-BIEP4 (7 CP) Experimental Physics 4 – Atomic and Molecular Physics	12-PHY-BIGP2 (5 CP) Basic Physics Laboratory 2	12-PHY-BIPTP4 (8 CP) Theoretical Physics 4 – Quantum Mechanics	12-PHY-BWNUM (5 CP) Numerical Methods in Physics	Elective Area 2 (Non-Physical Electives) (5 CP)
5th Sem.			12-PHY-BIPTP5 (8 CP) Theoretical Physics 5 – Statistical Physics	Elective Area 2 (Non-Physical Electives) (5 CP)	Elective Area 1 (Physics-Related Electives) (20 CP)
6th Sem.	12-PHY-BIEP5 (7 CP) Experimental Physics 6 – Solid State Physics	Bachelor's Thesis (12 CP)		12-PHY-BIFP (8 CP) Advanced Laboratory Course	