

# Bachelor of Physics

Universidad de las Américas Puebla  
8 terms - 52 courses - 300 credits (units)



First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth
MAT1012 UNIVERSITY MATH [6]	MAT1042 ANALYTIC GEOMETRY [6]	MAT2082 PROBABILITY AND STATISTICS [6] ← MAT1022	MAT2052 ORDINARY DIFFERENTIAL EQUATIONS [6] ← MAT1022	MAT3012 MATHEMATICAL ANALYSIS II [6] ← MAT2042	LFA3062 ELECTROMAGNETIC THEORY [6] ← FIS2012, LFA3012	LFA4012 STATISTICAL MECHANICS [6] ← LFA3092, MAT2082	LFA4072 COMPUTATIONAL PHYSICS II [6] ← LFA4042
QUI1012 GENERAL CHEMISTRY [6]	MAT1022 CALCULUS I [6] ← MAT1012	MAT2012 CALCULUS II [6] ← MAT1022	MAT2042 MATHEMATICAL ANALYSIS I [6]	MAT3022 PARTIAL DIFFERENTIAL EQUATIONS [6] ← LFA3052	LFA3072 MATHEMATICAL MODELS IN PHYSICS II [6] ← LFA3052	LFA4022 PROFESSIONAL PRACTICES 2 [6]	LFA4082 COMPUTATIONAL PHYSICS LAB [3] ← LFA4042
QUI1022 GENERAL CHEMISTRY LAB [3]	MAT1062 SUPERIOR ALGEBRA [6] ← MAT1012	FIS2012 GENERAL PHYSICS II [6] ← FIS1012	LAT2022 MATRIX THEORY [6]	LFA3012 CLASSIC MECHANICS [6] ← FIS1012, MAT2042	LFA3082 NUMERICAL ANALYSIS [6]	LFA4032 QUANTUM MECHANICS I [6] ← LFA3102, MAT3022	LFA4092 SELECT TOPICS 2 [6]
	FIS1012 GENERAL PHYSICS I [6]	FIS2022 GENERAL PHYSICS LAB II [3] ← FIS1022	LFA2012 HEAT, WAVES AND FLUIDS [6]	LFA3022 OPTICS [6] ← MAT2042	LFA3092 CLASSIC THERMODYNAMICS [6] ← LFA2012	LFA4042 COMPUTATIONAL PHYSICS I [6] ← LFA3082	LFA4102 SELECT TOPICS 3 [6]
GENERAL STUDIES ELECTIVE IN NATURAL SCIENCES [6]	FIS1022 GENERAL PHYSICS LAB I [3]		LFA2022 EXPERIMENTAL HEAT, WAVES AND FLUIDS [6]	LFA3032 EXPERIMENTAL OPTICS [6] ← LFA2022	LFA3102 MODERN PHYSICS [6]	LFA4052 SELECT TOPICS 1 [6]	LFA4112 QUANTUM MECHANICS II [6] ← LFA4032
GENERAL STUDIES ELECTIVE IN MATH [6]	GENERAL STUDIES ELECTIVE IN ARTS [6]			LFA3042 PROFESSIONAL PRACTICES 1 [6]	LFA3112 EXPERIMENTAL MODERN PHYSICS [6]	LFA4062 SOLID STATE PHYSICS [6] ← LFA3062, LFA3092	
INFO012 INFORMATION TECHNOLOGIES IN THE CONSTRUCTION OF KNOWLEDGE [6]	ESPO012 ACADEMIC REASONING [6] ← INFO012	ESPO022 ACADEMIC WRITING [6] ← ESPO012	GENERAL STUDIES ELECTIVE IN BEHAVIORAL SCIENCES [6]	LFA3052 MATHEMATICAL MODELS IN PHYSICS I [6] ← MAT2052			
LEX0112 FOREIGN LANGUAGE I [6]	LEX0122 FOREIGN LANGUAGE II [6] ← LEX0112	LEX0132 FOREIGN LANGUAGE III [6] ← LEX0122	GENERAL STUDIES ELECTIVE IN HUMANITIES [6]				

# Bachelor of Physics



- Fundamentals of Theoretical Physics
- Mathematical Tools
- Experimental Skills
- Computer Simulations
- General Education (GenEd)