

Bachelor in Computer Systems Engineering

Universidad de las Américas Puebla
8 terms - 54 courses - 303 credits (units)



First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth
LIS1012 ALGORITHMS AND PROGRAMMING 6	MAT1032 LINEAR ALGEBRA 6 ← MAT1012	LRT2022 DIGITAL DESIGN 6 ← LIS1012	MAT2082 PROBABILITY AND STATISTICS 6 ← MAT1022	LFA3082 NUMERICAL ANALYSIS 6	LIS3012 ADVANCED DATABASES 6 ← LIS2082	LIS4062 INFORMATION SECURITY 6 ← LIS3122	LIS4012 MOBILE APP DEVELOPMENT 6
MAT1012 UNIVERSITY MATH 6	FIS1012 GENERAL PHYSICS I 6	FIS2012 GENERAL PHYSICS II 6 ← FIS1012	MAT2052 ORDINARY DIFFERENTIAL EQUATIONS 6 ← MAT1022	LRT3032 EMBEDDED SYSTEMS 6	LIS3082 ARTIFICIAL INTELLIGENCE 6	LIS4022 PROFESSIONAL PRACTICES 2 6	LIS4072 SYSTEMS DESIGN AND MANAGEMENT 6 ← LIS3062
	FIS1022 GENERAL PHYSICS LAB I 3	FIS2022 GENERAL PHYSICS LAB II 3 ← FIS1022	LIS2022 COMPUTER ARCHITECTURE 6	LIS3032 HUMAN-COMPUTER INTERACTION 6	LIS3092 VIDEOGAMES LAB 3	LIS4032 SELECT TOPICS 1 6	LIS4082 SELECT TOPICS 2 6
	MAT1022 CALCULUS I 6 ← MAT1012	MAT2012 CALCULUS II 6 ← MAT1022	LRT2012 ELECTRONIC CIRCUITS 6 ← MAT1022	LIS3042 COMPUTER THEORY 6	LIS3022 GRAPHING AND VIDEOGAMES 6	LIS4042 ARTIFICIAL VISION 6	LIS4092 SELECT TOPICS 3 6
GENERAL STUDIES ELECTIVE IN NATURAL SCIENCES 6	LIS1022 OBJECT ORIENTED PROGRAMMING 6 ← LIS1012	LIS2032 DATA STRUCTURES 6 ← LIS1022	LIS2062 OPERATING SYSTEMS 6 ← LIS2032	LIS3052 PROFESSIONAL PRACTICES 1 6	LIS3062 SOFTWARE ENGINEERING 6	LIS4052 DISTRIBUTED SYSTEMS 6 ← LIS3122	LIS4102 CLOUD COMPUTING AND BIG DATA 6
GENERAL STUDIES ELECTIVE IN MATH 6			LRT2032 ELECTRONIC CIRCUITS LAB 2 ← MAT1022		LIS3132 NETWORKS AND TELECOMMUNICATIONS LAB 2		LIS4112 CLOUD COMPUTING AND BIG DATA LAB 2
INFO012 INFORMATION TECHNOLOGIES IN THE CONSTRUCTION OF KNOWLEDGE 6	ESP0012 ACADEMIC REASONING 6 ← INFO012	ESP0022 ACADEMIC WRITING 6 ← ESP0012	LIS2082 DATABASES 6	GENERAL STUDIES ELECTIVE IN ARTS 6	LIS3122 NETWORKS AND TELECOMMUNICATIONS 6 ← LIS2022		
LEX0112 FOREIGN LANGUAGE I 6	LEX0122 FOREIGN LANGUAGE II 6 ← LEX0112	LEX0132 FOREIGN LANGUAGE III 6 ← LEX0122	LIS2012 DISCRETE MATH 6	GENERAL STUDIES ELECTIVE IN BEHAVIORAL SCIENCES 6	GENERAL STUDIES ELECTIVE IN HUMANITIES 6		

Course credits (units)
Prerequisites

Bachelor in Computer Systems Engineering



- Basic Science
- Systems Programming and Data Management
- Design and Innovation of Software Systems
- Software Engineering and Computer Science
- Electronics & Systems
- General Education (GenEd)