

# Bachelor in Mechatronics Engineering

Universidad de las Américas Puebla  
8 terms - 55 courses- 303 credits (units)

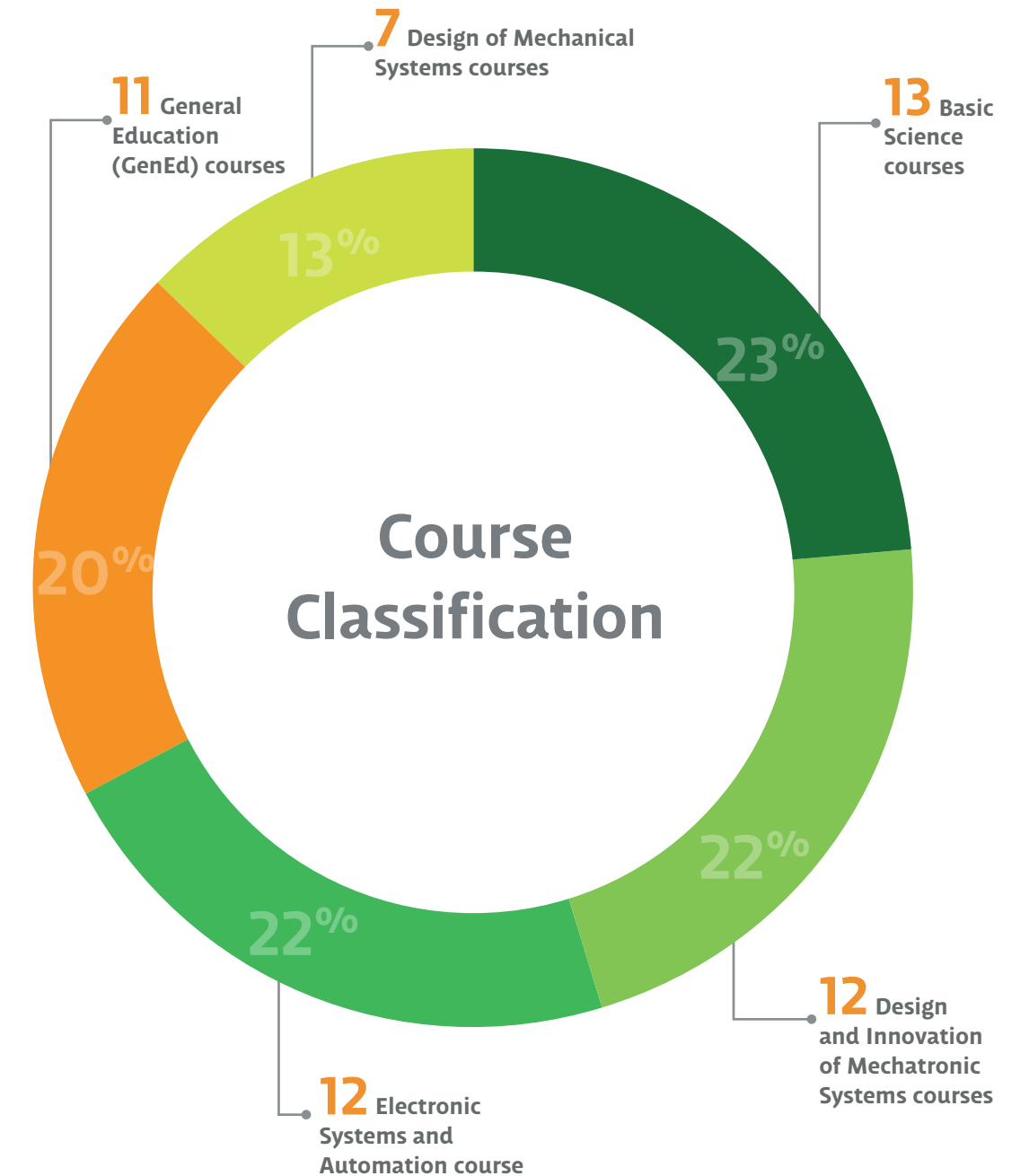


First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth
LIS1012 ALGORITHMS AND PROGRAMMING 6	MAT1032 LINEAR ALGEBRA 6 ← MAT1012	FIS2012 GENERAL PHYSICS II 6 ← FIS1012	MAT2082 PROBABILITY AND STATISTICS 6 ← MAT1022	LMT3012 PROFESSIONAL PRACTICES 1 6	LIS3072 TECHNOLOGICAL INNOVATION 6 ← MAT2052	LRT4062 POWER ELECTRONICS 6	LMT4052 AUTOMOTIVE NETWORKS 6 ← LRT3082
MAT1012 UNIVERSITY MATH 6	FIS1012 GENERAL PHYSICS I 6	FIS2022 GENERAL PHYSICS LAB II 3 ← FIS1022	MAT2032 CALCULUS III 6 ← MAT2012	LMT3022 SIGNALS AND INSTRUMENTATION 6 ← MAT2052	LMT3042 MACHINES AND MECHANISMS LAB 2 ← FIS2012, LIM2062	LMT4012 PROFESSIONAL PRACTICES 2 6	LMT4062 DESIGN OF MECHATRONIC SYSTEMS 6
QUI1012 GENERAL CHEMISTRY 6	FIS1022 GENERAL PHYSICS LAB I 3	LRT2012 ELECTRONIC CIRCUITS 6 ← MAT1022	MAT2052 ORDINARY DIFFERENTIAL EQUATIONS 6 ← MAT1022	LMT3032 SIGNALS AND INSTRUMENTATION LAB 3 ← MAT2052	LRT3082 CONTROL SYSTEMS 6	LMT4022 MANUFACTURING SYSTEMS 6 ← LIM2062	LMT4072 SELECT TOPICS 2 6
QUI1022 GENERAL CHEMISTRY LAB 3	MAT1022 CALCULUS I 6 ← MAT1012	MAT2012 CALCULUS II 6 ← MAT1022	LIS1022 OBJECT ORIENTED PROGRAMMING 6 ← LIS1012	LIM2062 KINEMATICS AND KINETICS OF RIGID BODIES 6 ← LIM2022	LIM3042 SOLID MECHANICS I 6 ← LIM2062	LMT4032 INDUSTRIAL AUTOMATION 6 ← LRT3082	LMT4082 SELECT TOPICS 3 6
	LIM1012 COMPUTERIZED DRAWING LAB 6	LRT2022 DIGITAL DESIGN 6 ← LIS1012	LRT2042 INTEGRATED ELECTRONICS 6 ← LRT2012, LRT2022	LIM2072 KINEMATICS AND KINETICS OF RIGID BODIES LAB 3 ← LIM2022	LMT3062 THERMOFLUIDS 6 ← LMT2012	LMT4042 SELECT TOPICS 1 6	LMT4092 INDUSTRIAL ROBOTICS 6 ← LMT4032
GENERAL STUDIES ELECTIVE IN MATH 6	GENERAL STUDIES ELECTIVE IN ARTS 6	LRT2032 ELECTRONIC CIRCUITS LAB 2 ← MAT1022	LRT2052 INTEGRATED ELECTRONICS LAB 2 ← LRT2012, LRT2022	GENERAL STUDIES ELECTIVE IN NATURAL SCIENCES 6	LMT3052 ELECTRICAL MACHINES 6 ← LRT2012		
INFO012 INFORMATION TECHNOLOGIES IN THE CONSTRUCTION OF KNOWLEDGE 6	ESP0012 ACADEMIC REASONING 6 ← INFO012	ESP0022 ACADEMIC WRITING 6 ← ESP0012	LMT2012 MATERIAL PROPERTIES 6 ← QUI1012	GENERAL STUDIES ELECTIVE IN HUMANITIES 6			
LEX0112 FOREIGN LANGUAGE I 6	LEX0122 FOREIGN LANGUAGE II 6 ← LEX0112	LEX0132 FOREIGN LANGUAGE III 6 ← LEX0122	LIM2022 EQUILIBRIUM OF RIGID BODIES 6 ← FIS1012	GENERAL STUDIES ELECTIVE IN BEHAVIORAL SCIENCES 6			

Course credits (units)

Prerequisites

## Bachelor in Mechatronics Engineering



- Basic Science
- Design and Innovation of Mechatronic Systems
- Electronic Systems and Automation
- Design of Mechanical Systems
- General Education (GenEd)