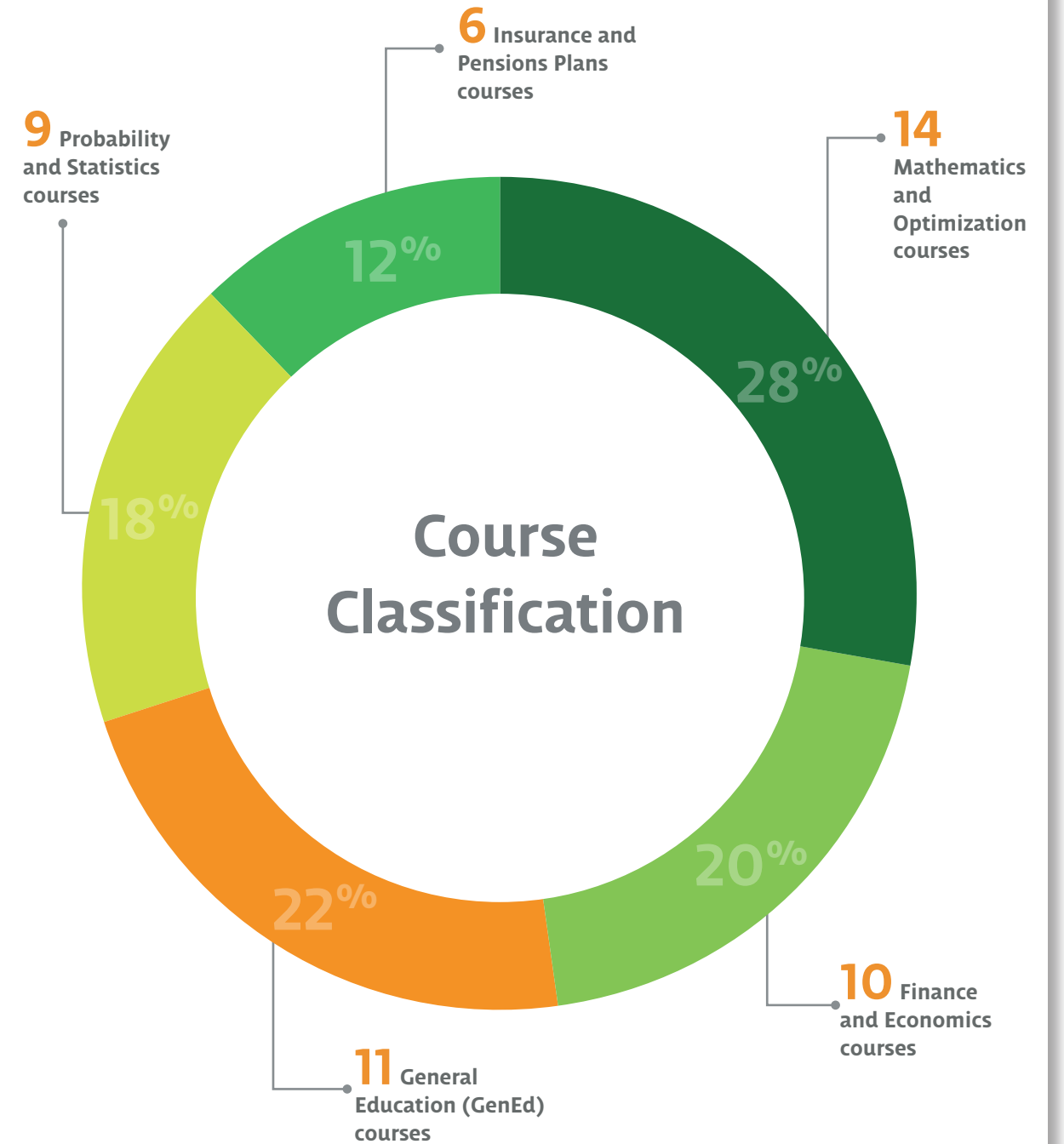# Bachelor of Actuarial Sciences

Universidad de las Américas Puebla
8 terms - 50 courses - 300 credits (units)

UDLAP®

First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth
MAT1012 UNIVERSITY MATH [6]	**CON1012** ACCOUNTING [6]	**LAT2012** STOCHASTIC MODELS I [6]	**LAT2042** ACTUARIAL PROGRAMMING TOOLS [6] ‹ LIS1012	**MAT3012** MATHEMATICAL ANALYSIS II [6] ‹ MAT2042	**LII2042** OPTIMIZATION THEORY AND TECHNIQUES [6] ‹ LAT3052	**LAT4012** DERIVATIVE PRODUCTS [6]	**LAT4052** ADVANCED OPTIMIZATION [6] ‹ LII2042
LIS1012 ALGORITHMS AND PROGRAMMING [6]	**MAT1042** ANALYTIC GEOMETRY [6]	**MAT2012** CALCULUS II [6] ‹ MAT1022	**MAT2052** ORDINARY DIFFERENTIAL EQUATIONS [6] ‹ MAT1022	**LAT3012** INFERENCE METHODS I [6] ‹ LAT2012	**LAT3052** INVESTMENT PORTFOLIOS [6]	**LAT4022** THEORY OF RISK [6] ‹ LAT2012, LAT2052	**LAT4062** ACTUARIAL RISK MANAGEMENT [6] ‹ LAT3062
MAT1022 CALCULUS I [6] ‹ MAT1012	**MAT2022** MATRIX THEORY [6]	**MAT2042** MATHEMATICAL ANALYSIS I [6]	**LAT3022** STOCHASTIC MODELS III [6] ‹ LAT2062	**LAT3062** INFERENCE METHODS II [6] ‹ LAT3012	**LAT4032** SELECT TOPICS 1 [6]	**LAT4072** SOCIAL SECURITY AND PENSIONS [6] ‹ LAT3032	
MAT1062 SUPERIOR ALGEBRA [6] ‹ MAT1012	**LAT2032** THEORY OF INTEREST I [6]	**LAT2052** THEORY OF INSURANCE [6]	**LAT3032** ACTUARIAL MATH FOR LIFE INSURANCE [6] ‹ LAT2012, LAT2052	**LEC3092** ECONOMETRICS I [6] ‹ LAT3012	**LAT4042** PROFESSIONAL PRACTICES 2 [6]	**LAT4082** SELECT TOPICS 2 [6]	
GENERAL STUDIES ELECTIVE IN ARTS [6]	**ECO1012** COMPANY AND ECONOMICS [6]	**ECO2012** MACROECONOMIC ENVIRONMENT [6]	**LAT2062** STOCHASTIC MODELS II [6] ‹ LAT2012	**LAT3042** PROFESSIONAL PRACTICES 1 [6]	**LAT3072** DEMOGRAPHICS [6] ‹ LAT2032	**LEC4032** ECONOMETRICS II [6] ‹ LEC3092	**LAT4092** SELECT TOPICS 3 [6]
GENERAL STUDIES ELECTIVE IN MATH [6]			**LAT2072** THEORY OF INTEREST II [6] ‹ LAT2032		**LAT3082** MATHEMATICAL ANALYSIS III [6] ‹ MAT3012		
INF0012 INFORMATION TECHNOLOGIES IN THE CONSTRUCTION OF KNOWLEDGE [6]	**ESP0012** ACADEMIC REASONING [6] ‹ INF0012	**ESP0022** ACADEMIC WRITING [6] ‹ ESP0012		**GENERAL STUDIES ELECTIVE IN HUMANITIES** [6]			
LEX0112 FOREIGN LANGUAGE I [6]	**LEX0122** FOREIGN LANGUAGE II [6] ‹ LEX0112	**LEX0132** FOREIGN LANGUAGE III [6] ‹ LEX0122	**GENERAL STUDIES ELECTIVE IN BEHAVIORAL SCIENCES** [6]	**GENERAL STUDIES ELECTIVE IN NATURAL SCIENCES** [6]			

[6] — Course credits (units)

‹ MAT3012 — Prerequisites

Bachelor of Actuarial Sciences

Course Classification

- **9** Probability and Statistics courses — **18%**
- **6** Insurance and Pensions Plans courses — **12%**
- **14** Mathematics and Optimization courses — **28%**
- **10** Finance and Economics courses — **20%**
- **11** General Education (GenEd) courses — **22%**

Legend:
- Mathematics and Optimization
- Finance and Economics
- Insurance and Pensions Plans
- Probability and Statistics
- General Education (GenEd)