

CURRICULUM

IIS UDEM-

FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH	SEVENTH	EIGHT	NINTH
Christian Social Ethics HU2005 6	Philosophical Anthropology HU2005 6	Fundamentals of Health and Wellness PS2001 6	Critical and Creative Thinking DX3201 6	Global Dynamics and Challenges CS2001 6	Scientific and Technological Thinking FM2002 6	Sustainability and Social Responsibility AD2001 6	Leadership Trends AD2003 3	General studies elective 1 6
Differential Calculus FM2002 6	Integral calculus FM2004 6	Linear Algebra FM2003 6	Differential Equations FM2005 6	Design of Experiments IN3204 6	Production Planning and Control IN3042 6	Logistics and Supply Chain IN2011 6	Contemporary Communication Challenges CI2001 3	General studies elective 2 6
Physics I FM2021 6	Physics II FM2021 6	Statistical Inference AHE341 6	Linear Programming IN2305 6	Lean Manufacturing IN3307 6	Plant Design IN2221 6	Systems Consulting IN2015 6	Predictive Analytics Models IN2207 6	Final Evaluation Program of the Industrial and System Engineering Program IN3432 12
Programming and algorithms SC2221 6	Ergonomics IN2207 6	Quality and Continuous Improvement IN3308 6	Statistical Quality Control IN3309 6	Operations Research IN3331 6	Dynamic Systems IN2012 6	Simulation IN2206 6	Advanced Optimization IN2021 6	
Methods engineering IN2021 6	Materials Manufacturing Processes IN2002 6	Physical Measurements and Metrology FM2016 6	Quality Management Systems IN2339 6	Systematic Thinking IN2002 6	Technology Based Project SC2223 6	Economic Engineering FM2023 6	Strategic and Operational Planning IN2001 6	
Introductory Engineering Project IN2204 6	Statistical Tools FM2008 6	Management for Engineers SC2220 6	Science-based Project FM2013 6	Industry 4.0 Additive Manufacturing IN2205 6	Project Management CI2210 6	Applied Research FM2013 3	Elective concentration 2 6	
						Elective concentration 1 6	Industrial and System Engineering Program Professional Application Project IN2001 6	