

Page 1

Learning units	Grade	Learning units	Grade
First Level		Second level	
Professional Education	7	Interdisciplinary research methodology	8
Society, technology and deontology	7	Industrial chemistry	7
Western context of industrial engineering	10	Electromagnetism	7
Eastern context of industrial engineering	7	Material dynamics	7
Life plan	9	Human administration capital	6
Industrial psychosociology	9	Productivity Engineering and Work Distribution	7
Differential calculus	6	Distribution and evaluation of work standards	8
Integral calculus	6	Materials technology	9
Vector calculation	6	Standardization and dimensional metrology	8
QA	6	Linear Programming Applied	6
Probability	7	Accounting and industrial costs	8
Statistics	9	Industrial plants and processes	10
Linear algebra	6	Legislation for industrial promotion	10
Computer aided drawing	6	Engineering Finance	8
Classic mechanics	9	Materials forming	6
Integral Administration	6	Quality tests for engineering	7
Marketing and market research	9	Mathematical engineering methods	6
Materials mechanics	7		
Integral economy	9		
Computer technology	8		
Applied Chemistry	6		
Third level		Fourth level	
Work standards engineering	7	Instrumentation and industrial control	9
Determination and application of standards	7	Automated systems	8
Pneumatic and hydraulic systems	8	Industrial logistics	7
Plant distribution and material handling	6	Hygiene and safety	8
Electricity and electronic	10	Computer Aided Manufacturing	7
Industrial electricity	8	Production systems	10
Continuous Improvement Processes	8	Maintenance management	8
Forecasts and inventories	7	Integrated Manufacturing Systems	8
Lean manufacturing	9	Supply chain management	9
Industrial machining	7	Formulation and evaluation of projects	9
Systems engineering	7	Elective II	AC
Engineering Economics	6	International commerce	8
Networks and simulation	8		
Elective I	AC		
Optics	7		
Safety systems	8		

Page 2

Learning units	Grade
Fifth Level	
Project management	7
Innovation and technology transfer for engineering	7
Business policy	8
Quality management	8
Enviromental management	6
Tesis project	8
Social service	AC
Industrial stays	AC