CURRICULUM
VIA NOVUS UNIVERSITY

INDUSTRIAL ENGINEERING

GENERAL TARGETS OF THE CURRICULUM

To prepare highly competitive professionals in the Industrial Engineering field, aware of their country´s moral commitment. Possessing a techno-scientific preparation, that allows them to develop as professional successful human beings in their area, thus allowing them to integrate within the economic system, national or international, as determining elements in the achievement of social welfare and technological potential.

GRADUATE PROFILE

Will exercise their profession, based on principles and values in an ethical and sensible to the cultural diversity.

The graduate will have all the necessary tolls for the timely identification and resolution in the administrative area and failures in the company´s equipment or machinery.

The industrial engineer will be responsible for designing, analyzing, operating, administrating and continuous improvement of production systems and include people, materials, technologies, information and financial resources, to take advantage of the resources. Optimizing raw materials and human resources.

The graduate will have the ability to be an entrepreneur with the skills to plan and design a productive company and / or services and will organize the various departments that are in the organization.

LIST OF ASSIGNMENTS AND LEARNING UNITS	CODE	CREDITS
1. Mathematics	MAT	4
2. Applied Computer Science	ACS	4
3. Intellectual Tools Workshop	ITW	4
4. Analysis of National Reality	ANR	4
5. Facilities Planning and Design	FPD	3
6. Industrial Relations	IRE	3
7. Manufacturing Systems	MSY	3
8. Leadership Workshop	LWO	3
9. Calculus	CAL	4
10. Projects Management	PMA	3
11. Statistical Inference	SIN	4
12. Regressions and Factorials	RFA	3
13. Marketing	MAR	4
14. Vector Algebra	VAL	3
15. Research Project	RPR	3
16. Maintenance Management	MMA	4
17. Quality Statistic Control	QSC	4
18. Industrial Drawing	IDR	3
19. Industrial Electricity and Electronics	IEE	4
20. Ergonomics	ERG	3
21. Study Procedures	SPR	4
22. Labor Study	LST	3
23. Cost Management	CMA	3
24. Quality Systems Management	QSM	4
25. Industrial Hygiene and Safety	IHS	3
26. Engineering Systems	ESY	4
27. Operations Research	ORE	3
28. Procedures and Quality Research	PQR	4
29. Algorithms and Programming languages	APL	4
30. Industrial Planning and Programming	IPP	4
31. Metrology and Standardization	MST	3
32. Probability and Statistics	PST	3
33. Formulation and Project Assessment	FPA	3
34. Logistics and Chain Supply	LCS	4
35. Manufacturing Process	MPRC	3
36. Material Properties	MPRP	4
	TOTAL CREDITS	**126**