



# CURRICULUM

## VIA NOVUS UNIVERSITY

### CIVIL ENGINEERING

#### OBJECTIVE GENERALS DEL CURRICULUM

Train professionals who plan, designed, built, maintained and operated works to develop housing industrial, urban and infrastructure of the country, seeking the best use of resources and the conservation of the environment, for the benefit of society. With a high social sense and respect toward the ecology.

#### PROFILE OF THE GRADUATE

Skills to thrive in the Sciences of engineering civil, with basic knowledge of structures, Geotechnics, hydraulics, construction, health, systems and transport enabling it to propose solutions to problems that attends civil engineering. Have the ability to apply the knowledge of basic science and civil engineering to the solution of specific problems. The civil engineering problems are identified with the planning, design and realization of the construction, operation and maintenance of works of various types.

LIST OF SUBJECTS OR UNITS OF LEARNING	CODE	CREDITS
1. Mathematics	MAT	4
2. Applied Computers	ACO	4
3. Intellectual Tool Shop	ITS	4
4. Analysis of the National Reality	ANR	4
5. Introduction to Engineering	IEN	3
6. Accounting Analysis and Management	AAM	3
7. Advanced calculation	ACA	3
8. Human Behavior in Organizations	HBO	3
9. Economic Engineering	EEN	4
10. Introduction to Electrical Installations	IEI	3
11. Drawing constructive	DCO	4
12. Geology	GEO	3
13. Structures isostatic	SIS	4
14. Mechanics of solids	MSO	3
15. Mechanics of soil	MES	3
16. Laboratory of soil	LAS	4
17. Hydraulic	HYD	4
18. Topography assembly	TAS	3
19. Environmental Impact	EIM	4
20. Construction	CON	3
21. Planning	PLA	4
22. Structural Analysis	SAN	3
23. Seismic Engineering	SEN	3
24. Design of concrete structures	DCS	4
25. Design of Steel Structures	DSS	3
26. Foundations	FOU	4
27. Hydrology	HYDR	3
28. Ethics and Professional Development	EPD	4
29. Drinking water and sewerage services	DWSS	4
30. Treatment of wastewater and Hydraulic Works	TWH	4
31. Transport Systems and Engineering of Transit	TSE	3
32. Systems Engineering	SYE	3
33. Roads and Bridges	RBR	3
34. Projects and products Academic	PPA	4
35. Investigation of procedures and quality	IPQ	3
36. Properties of Materials	PMA	4
	<b>TOTAL CREDITS</b>	<b>126</b>