



1ST YEAR

1º Semester 2º Semester Annual

950702	Calculus I			5 hs/week
951407	General Chemistry			5 hs/week
950701	Algebra and Analytic Geometry			5 hs/week
950605	Physics I			5 hs/week
951601	Engineering Design			3 hs/week
951604	Engineering and Society			2 hs/week
952595	Systems Thinking (integrative course)			3 hs/week
952522	Computer Science I			3 hs/week
				31 Hs. Anuales

2ND YEAR

1º Semester 2º Semester Annual

032521	General Management (integrative course)			4 hs/week
950703	Calculus II			5 hs/week
072522	Materials Science			4 hs/week
950606	Physics II			5 hs/week
952557	General Economics			4 hs/week
950704	Probability and Statistics		6 hs/week	
951602	Technical English I			2 hs/week
072521	Computer Science II	6 hs/week		
				30 Hs. Anuales

3RD YEAR

1º Semester 2º Semester Annual

072523	Work Study (integrative course)			4 hs/week
072524	Electrotechnics and Electrical Machines			5 hs/week
032525	Business Economics			3 hs/week
032526	Materials Statics and Resistance			4 hs/week
952540	Costs and Budgets			3 hs/week
072525	Fluid Mechanics			3 hs/week
032597	Numerical Analysis and Advanced Calculus			2 hs/week
032599	Marketing			3 hs/week
072526	Thermodynamics and Thermal Machines			4 hs/week
				31 Hs. Anuales

4TH YEAR

1º Semester 2º Semester Annual

032590	Project Evaluation (integrative course)			5 hs/week
072527	Industrial Installations			3 hs/week
032598	Operations Research			4 hs/week
072528	Production Planning and Control			4 hs/week
952530	Safety, Hygiene and Environmental Engineering			3 hs/week
032589	Quality Engineering			3 hs/week
032591	Industrial Processes			5 hs/week
072529	Mechanics and Mechanisms			3 hs/week
950310	Legislation			2 hs/week
951603	Technical English II			2 hs/week
				34 Hs. Anuales

5TH YEAR

1º Semester 2º Semester Annual

952555	Management Control			3 hs/week
072530	Material Handling and Plant Distribution			3 hs/week
032588	Product Design	4 hs/week		
952586	Foreign Trade			3 hs/week
032595	Maintenance			3 hs/week
952587	Industrial Relationships		6 hs/week	
032596	Final Project (integrative course)			6 hs/week
952559	Elective 1: Flexible Manufacturing and Intelligent Systems	5 hs/week		
952596	Elective 2: Ergonomics	5 hs/week		
032594	Elective 3: Economic Policy		5 hs/week	
952594	Elective 4: Finance	5 hs/week		
952592	Elective 5: Logistics	5 hs/week		
032561	Elective 6: Air Conditioning and Refrigeration	5 hs/week		
032560	Elective 7: Applied Quality		5 hs/week	
952562	Elective 8: Industrial Marketing		5 hs/week	
952563	Elective 9: Simulation		5 hs/week	
952564	Elective 10: Logistics Automation	5 hs/week		
952565	Elective 11: Integrated Management Systems		5 hs/week	
952566	Elective 12: Innovation and Entrepreneurship		5 hs/week	
952567	Elective 13: Technology and Energy Management	5 hs/week		
952568	Elective 14: Business Management	5 hs/week		
952569	Elective 15: Environmental Management		5 hs/week	
952570	Elective 16: Corporate Social Responsibility	5 hs/week		
952571	Elective 17: Industrial Robotics	5 hs/week		
952572	Elective 18: Communicational English	5 hs/week		3 hs/week
952573	Elective 19: Project Management	5 hs/week		
952574	Elective 20: Mechatronics	5 hs/week		
				33 Hs. Anuales

Supervised Practice

200 hs. Anuales

Degree: Industrial Engineer