

## BASIC CYCLE

### 1st year

Chemistry I  
Engineering Drawing  
Mathematics I  
Linear Algebra  
General Knowledge  
Chemistry II  
Basic Programming  
Mathematics II  
Physics I  
General Knowledge II

### 2nd year

Statics and Strength of Materials  
Mathematics III  
Probability  
Physics II  
Learning Techniques  
Numerical Methods  
Mathematics IV  
Physics III  
Thermodynamics  
Mechanics and Mechanisms  
Materials and Processes

### 3rd year

Production organization I  
Physics IV  
Fluids Mechanics  
Applied Statistics  
Production Organization II  
Electronics and Instrumentation  
Thermal Machines  
Electrical Machines  
Applied Statistics II  
Systems and Models

\*English level required

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## PROFESSIONAL CYCLE

### 4th year

Technologies and Production Processes  
Operations Research I  
Information Systems  
Budgeting and Control  
Thermal Installations  
Electrical Installations  
Elective I  
Operations Research II  
Marketing  
Economics  
Logistics  
Quality Management  
Elective II  
Technology Update Seminar

### 5th year

Project formulation and evaluation  
Strategic Planning  
Simulation  
Capstone Project  
Environmental Management  
Entrepreneurship  
Elective III  
Technology Updating Seminar  
Project Management  
Law for Engineers  
Industrial Plants  
General Knowledge III  
Elective IV  
Elective V  
Work Practice

### Electives

Decision Theory; Product Modeling Workshop;  
Research Techniques; International Economics;  
Business Finance; Macroeconomics Topics; Human  
Resources Management; Strategic Communication  
Creativity; Renewable Energies; Communication  
Practices; Experiments Design.

This list of elective courses is merely illustrative; the department's director may modify it for the purpose of its update and its continuous improvement.