Hourly distribution TS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Course** | **1rst year** | **2nd Année** | **Coeff. TS 1** | **Coeff.TS 2** |
|  | Math | 90 | 60 | 6 | 4 |
| General courses | Mechanics | 60 | - | 4 |  |
|  | Foreign language 1 | 60 | - | 4 |  |
|  | Foreign language 2 | 60 | - | 4 |  |
|  | Law | 30 | - | 2 |  |
|  | Industrial organization | - | 30 |  | 2 |
|  | Management and finance | - | 30 |  | 2 |
|  | **TOTAL General courses** | ***300*** | ***120*** |  |  |
|  | Technical drawing | 60 | - | 6 |  |
|  | Electricity | 60 | - | 4 |  |
|  | Computer sciences | 60 |  | 4 |  |
|  | Electronics | 60 | - | 4 |  |
|  | Thermodynamics | 60 | - | 6 |  |
|  | Fluid mechanics | 60 | - | 6 |  |
|  | Strength of materials | 60 | - | 4 |  |
|  | Science of materials | 30 | - | 2 |  |
|  | Machine kinematics | 30 | - | 2 |  |
|  | Sensors and Instrumentation | 60 | - | 4 |  |
| **Major courses** | electrical Machines | 60 | - | 4 |  |
|  | Autocade |  | 60 |  | 4 |
|  | Automation and Control | - | 90 |  | 9 |
|  | Heating | - | 90 |  | 9 |
|  | Refrigeration | - | 90 |  | 9 |
|  | Air conditioning | - | 90 |  | 9 |
|  | Site planning | - | 60 |  | 4 |
|  | Turbo Machinery |  | 60 |  | 6 |
|  | Renewable energies | - | 60 |  | 6 |
|  | **TOTAL Major courses** | *600* | *600* |  |  |
|  | PW Mechanical manufacturing applied to HVAC. | 60 | - | 8 |  |
|  | PW Electricity | 30 | - | 2 |  |
|  | PW Electronics | 30 | - | 2 |  |
|  | PW Electrical machines | 30 | - | 2 |  |
| **Practical works** | PW Science of materials | 30 | - | 2 |  |
|  | PW Fluid mechanics | 30 | - | 4 |  |
|  | PW computer sciences | 30 | - | 2 |  |
|  | PW automation and control | - | 60 |  | 4 |
|  | PW Heating | - | 90 |  | 6 |
|  | PW Refrigeration | - | 90 |  | 6 |
|  | PW Air conditioning | - | 90 |  | 6 |
|  | PW Turbo Machinery | - | 60 |  | 4 |
|  | PW Thermal softwares | - | 60 |  | 6 |
|  | PW Renewable energies | - | 60 |  | 4 |
|  | Heating technology | 60 | - | 6 |  |
|  | Cooling technology | 60 | - | 6 |  |
|  | **TOTAL PW** | ***360*** | ***510*** |  |  |
|  | **TOTAL** | **1260** | **1230** |  |  |

***A training of 8 weeks is required during the summer following the first year is necessary for the admission in the second year.***

Notes : All the courses and the practical works should be applicable to the major exclusively.

***Ratio of PW to the total of the courses in TS1= 28.6%***

***Ratio of PW to the total of the courses TS2= 41.5%***

***Ratio of PW to the total of the courses for both of the years (excluding training)= 35%***