Powerline Course

First Year – First Semester

Algebra and Trigonometry	3 units
General Chemistry	4 units
The Computer	3 units
Heuristics	3 units
Calculus 1	3 units
Computer Aided Drawing	3 units
First Aid	3 units

First Year – Second Semester

Material Science and Engineering	3 units
Analytic Geometry	3 units
Computer Programming 1 (VB.NET)	3 units
Physics 1	4 units
Calculus 2	3 units
English 1	3 units
Art Appreciation (Guitar Music)	3 units

Second Year – First Semester

Differential Equations	3 units
Statics of Rigid Bodies	3 units
Basic Electrical Engineering	3 units
Thermodynamics 1	3 units
Computer Programming 2 (C#.NET)	3 units
Filipino 1	3 units
English 2	3 units

Second Year – Second Semester

Engineering Data Analysis	3 units
Dynamics of Rigid Bodies	3 units
Basic Electronics	3 units
Thermodynamics 2	3 units
Machine Shop Theory	2 units
Engineering Management	2 units
Filipino 2	3 units
English 3	3 units

Third Year – First Semester

Mechanics of Deformable Bodies	3 units
Engineering Economy	3 units
DC and AC Machinery	3 units
Heat Transfer	2 units
Fluid Mechanics	3 units
Machine Elements	3 units
Vibration Engineering	3 units
Filipino 3	3 units
English 4	3 units

Third Year – Second Semester

Refrigeration Systems	3 units
Fluid Machineries	3 units
Combustion Engineering	2 units
Material Science and Engineering	3 units
Ethics	3 units
Filipino 4	3 units

Fourth Year – First Semester

ME Project Study 1	1 units
Air conditioning and Ventilation Systems	3 units
Control Engineering	4 units
Solar Power Plant	4 units
Machine Design 1	3 units
On the Job Training 1 (OJT)	3 units
Art Appreciation (Movies)	3 units

Fourth Year – Second Semester

Industrial Plant Engineering	4 units
ME Project Study 2	1 units
Machine Design 2	3 units
Basic Occupational Safety and Health	3 units
Seminars and Workshops	2 units
ME Laws, Ethics, Contracts, Codes & Standards	3 units
On the Job Training 2 (OJT)	3 units

Total Units	**172 Units**