



# University of Naga

Online and Offline

## Bachelor of Science in Mechanical Engineering

### 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**

Methods for Research for ME	1 units
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	2 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** **169 Units**

## **FASCILITIES AND TECHNOLOGIES**

University of Naga is known for its Engineering lifelike structure and methods that empowers students to be prepared for their future job and qualifications. The University also became popular for its years of inventions for CodeBase Electronics (CB).

## **WHAT IS CODEBASE ELECTRONICS?**

CodeBase Electronics lets you design projects easily and can be understand by anyone. It focuses on computer interfaces to basic electronics that can create circuitry in a vast way even in advance. It is the analogy to understand binary systems (1 or 0).

## **SOFTWARES**

WinBubble (Customized and Tweak Windows Easily), Windows Registry  
Scour (Fastest and True Search Engine), VB.NET and Fastest Algorithm  
Desktop Cities (upgrade to Windows OS), VB.NET or C#.NET  
Lawrence Spreadsheet Technology, VB.NET or C#.NET  
Notepad Coder, VB.NET or C#.NET  
Complete CAD, VB.NET or C#.NET  
Client-Server Technology

## **HARDWARE**

Switched mode Power Supply, Battery charger with auto-stop diode, Emergency Lighting, No Power Alarm Zero, Remote I/O Technology, No Power Alarm Logger, Power Line Monitoring Systems (PLMS), Computerized Water Level Monitoring, Fuse Monitoring, Battery Monitoring, Solar Monitoring, Computerized Temperature Logger Detection and Train Logger

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Website: <http://scourworld.com/un>

Email: [codebased@yahoo.com](mailto:codebased@yahoo.com)