



# University of East

Online and Offline

## Bachelor of Science in Industrial Engineering

### First Year - First Semester

Algebra and Trigonometry	3 units
Calculus 1	3 units
General Chemistry	4 units
The Computer	3 units
Computer Programming 1 (VB.NET)	3 units
Analytic Geometry	3 units
First Aid	3 units

### First Year - Second Semester

Calculus 2	3 Units
Physics 1	4 units
Statistical Analysis for Industrial Engineering 1	3 units
Computer Aided Drafting	1 units
Principles of Economics	3 units
Financial Accounting	3 units
English 1	3 units

### Second Year - First Semester

Differential Equations	3 units
Engineering Mechanics (Statics)	3 units
Industrial Materials and Processes	2 units
Statistical Analysis for Industrial Engineering 2	3 units
Industrial Organization and Management	3 units
English 2	3 units
Filipino 1	3 units

### Second Year - Second Semester

Engineering Economy	3 units
Heuristics	3 units
Work Study and Measurement	3 units
Probability and Statistics	3 units
English 3	3 units
Filipino 2	3 units
Art Appreciation (Guitar Music)	3 units

### Third Year - First Semester

Operations Research 1	3 units
Quality Management Systems	3 units
Ergonomics 1	3 units
Thermodynamics	3 units
Managerial Accounting	3 units
Basic Occupational Safety and Health	3 units
English 4	3 units

**Third Year - Second Semester**

Computer Programming 2 (C#.NET)	3 units
Programming with C/C++	3 units
Operations Research 2	3 units
Operations Management	3 units
Ergonomics 2	3 units
Filipino 3	3 units
Art Appreciation (Movies)	3 units

**Fourth Year - First Semester**

Project Feasibility	2 units
Supply Chain Management	3 units
Information Systems	3 units
Systems Engineering	3 units
Elementary Electrical Engineering	3 units
Environmental Science	3 units
Ethics	3 units

**Fourth Year - Second Semester**

IE Capstone Project	3 units
Filipino 4	3 units
On the Job Training (OJT)	9 units

**Total Units** **160 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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