



# University of East

Online and Offline

## Bachelor of Science in Electrical Engineering (BSEE)

### First Year – First Semester

November 6, 2023 to May 3, 2024

Algebra and Trigonometry	3 units
Calculus 1	3 units
General Chemistry	4 units
Computer Aided Drafting	3 units
Physics 1	4 units
English 1	3 units
Analytic Geometry	3 units

### First Year – 2<sup>nd</sup> Semester

June 10, 2024 to December 13, 2024

Calculus 2	3 units
Physics 2	4 units
Heuristics	3 units
The Computers	3 units
Computer Programming 1 (VB.Net)	2 units
Material Science and Engineering	3 units
First Aid	2 units

### Second Year – First Semester

Differential Equations	3 units
Circuits 1 (DC Circuits)	4 units
Electronics 1 (Electronic Devices by Floyd and Malvino)	4 units
Engineering Mechanics Statics	3 units
Engineering Economy	3 units
Computer Programming 2 (C#.Net)	2 units

### Second Year – 2<sup>nd</sup> Semester

Circuits 2 (AC Circuits)	4 units
Electronics 2 (Electronic Devices by Floyd and Malvino)	4 units
Thermodynamics 1	2 units
Electromagnetics	4 units
Engineering Management	2 units

English 2 3 units

**Third Year – First Semester**

Numerical Methods and Analysis 3 units  
Industrial Electronics 4 units  
Digital Design: Logic Circuit and Computer Applications (Mano) 4 units  
Networking 4 units  
Electrical Machines 1 2 units  
Filipino 1 3 units

**Third Year – Second Semester**

Microprocessor Systems 2 units  
Electrical Apparatus and Devices 3 units  
Electrical Machines 2 4 units  
Basic Occupational Safety and Health 3 units  
Fluid Mechanics 2 units  
Environmental Science and Engineering 2 units  
EE Law Codes and Professional Ethics 2 units  
Feedback Control Systems 2 units

**Fourth Year – First Semester**

Material Science and Engineering 2 units  
Electrical Standards and Practices 1 units  
Electrical Systems and Illumination Engineering Design 5 units  
Solar Power Plant 4 units  
Seminars and Workshop 1 1 units  
Motor Controls (Computer and/or Electronics) 4 units  
Instrumentation and Controls 3 units  
Art Appreciation (Guitar Music) 3 units

**Fourth Year – Second Semester**

Power System Analysis 4 units  
Fundamentals of Power Plant Engineering Design 1 units  
Distribution Systems and Substation Design 3 units  
Design Applications 1 1 units  
Seminars and Workshop 2 1 units  
Filipino 2 3 units  
English 3 3 units  
On the Job Training 1 (OJT) 2 units  
Art Appreciation (Movies) 3 units

**Total Units 165 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/ue>

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