



Computer Aided Design for Electrical Engineers

At the end of the session, the participants will be able to:

- Familiarize on the basic CAD function keys relevant to electrical engineering design.
- Draw basic figures necessary in electrical design.
- Understand the shortcut techniques in CAD drawings
- Apply CAD in the preparation of a complete electrical plan.

Course is 100% hands-on

DAY 1

A) GENERAL INTRODUCTION AND PRE-TEST

B) INTRODUCTION TO COMPUTER AIDED DESIGN

- 1) Familiarization on CAD Software
- 2) Function Keys relevant to Electrical Engineering Design

C) BASIC COMPUTER DRAWING

- 1) Lines
- 2) Arrows
- 3) Thick lines
- 4) Broken Lines
- 5) Rectangle
- 6) Square
- 7) Triangles
- 8) Circles
- 9) Semi-Circles
- 10) Curves
- 11) Broken Curves
- 12) Shapes
- 13) Floor Plans

DAY 2

D) ELECTRICAL DRAWINGS/ DESIGN

- 14) Electrical Symbols from PEC 2009
- 15) Location Map
- 16) Power Layout
- 17) Motor Layout
- 18) Lighting Layout
- 19) Load Schedule
- 20) Riser or One Line Diagram
- 21) Three Phase System
- 22) Motor Control Layout
- 23) Load Schedule for Industrial/Commercial Buildings
- 24) Detailed Drawing for Industrial/Commercial Buildings
- 25) Riser or One Line Diagram for Industrial/Commercial Buildings

DAY-3

E) CAD SHORTCUTS DEMONSTRATION

F) ELECTRICAL DESIGN EXERCISES

G) POST-TEST AND CLOSING

Course details

Who should attend?

- Electrical Engineers
- Engineering department staff
- Test engineers
- Cadet engineers
- Substation engineers
- Engineering faculty members

Date/s offered:

May 9 to 11
June 9 to 12
August 29 to 31

Venue:

7th Floor Integrated
Professional Office Bldg, 14
Quezon Avenue, Quezon City,
Philippines

Registration fee:

Php 7,900.00 per person
3 participants from one
company get 10% discount

Students - P1,800.00

Faculty - P2,500.00

About PAMAV

PAMAV was formed in 2005 to offer competency training programs and continuous education that offers up-to-date skills and knowledge thru exposure to various current industry practices. We are a pioneer training center in the Philippines that offers competency-based training for Engineering professionals.

PAMAV offers public and in-house training seminars.



PAMAV TRAINING INSTITUTE & TECHNOLOGY CENTER, INC.

Competency-Based Training for Global Excellence

Computer Aided Design for Electrical Engineers

Registration form

Title	First name	Last name
Designation		
Company Name		
Telephone number		
Mobile number		
Email		

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Other courses available

Insulation Power Factor

Substation Design and Construction

Protective Relaying

Computer Aided Design for EE

Effective Communication for Engineers

Professional Image and business etiquette

For more information and assistance,
contact Sales at telephone (632) 7433694 or contact@pamavtech.com
www.pamavtech.com