electrocon
international incorporated
CAPE University Program
for DOE Consortium at University of Minnesota

CAPE software provides a group of integrated functions designed to support the system protection function, as well as planning functions such as power flow and breaker duty analysis. Having CAPE software on campus supports engineering students' exploration of protection-related subject matter, while allowing them to gain experience that will be useful in the job market.

CAPE assists with data management tasks while providing unsurpassed analytical capability. CAPE's library of manufacturer-specific relays is a storehouse of knowledge, and the rich detail provided by CAPE's relay models allows maximum flexibility for students and researchers. CAPE is built on a true relational database, minimizing potential errors, and making its data consistent throughout all modules. CAPE data is also accessible from popular PC programs such as Microsoft Access.

The CAPE Package University Program offers an unlimited number of users the following integrated functions:

> Database Editor
> Short Circuit
> One-Line Diagram
> Coordination Graphics
> Relay Setting
> Relay Checking
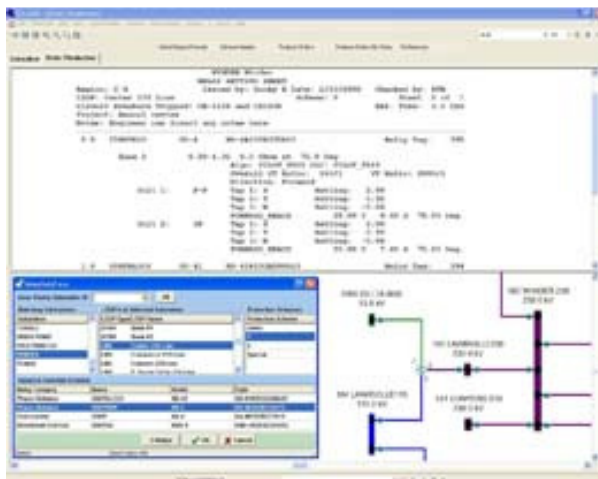> Line Constants
> System Simulation
> Order Production

These optional integrated modules are also included in the University Program:

> Power Flow
> Breaker Duty
> Short Circuit Reduction

CAPE University Program for members of DOE Consortium at University of Minnesota

Electrocon International is an active participant in the **DOE Consortium at University of Minnesota** Engineering Education program. CAPE software is available for educational use to the participating institutions. The power engineering professor or instructor can receive CAPE by following the steps outlined below. Please note that CAPE software licensed by schools through the DOE Consortium at University of Minnesota must be for educational (classroom) use only. The CAPE University Program allows an unlimited number of CAPE users. Although CAPE does not impose any limits on the size of network models, the University Program version has a 150-bus limit.

CAPE's One-Line Diagram puts the network and its relationships and hidden characteristics onto the computer screen, where students can work with it and analyze it.

Members of DOE Consortium at University of Minnesota

How to obtain CAPE for your participating educational program

Send us a letter requesting CAPE software and referencing the DOE Consortium program. Please use university letterhead and send to the Electrocon address below. (Email attachments are fine, or you can send hardcopy to our mailing address.) In your letter, please include:

- Your name, position title, physical mailing address, email address, and telephone number.
- Please also briefly describe your proposed use of the software to help us serve your program; examples: Will it be used in the classroom or for independent research projects? Will it be used at the graduate or undergraduate level? Approximately how many students may be using CAPE?

CAPE License Agreement. On receipt of your letter, we will email you a CAPE License Agreement for your signature. Please sign the agreement and return it to us (a scanned document emailed to us as an attachment is fine).

Software delivery. On receipt of your signed license agreement, we will send you the CAPE software to the mailing address in your letter. The special university version of the CAPE software will allow you to serve an unlimited number of users **for one year** from the date of installation. It is limited to 150 buses. After one year, CAPE can be renewed using an exchange of code numbers.

Ongoing support. Electrocon provides ongoing technical support via email or phone.

CAPE's product experts provide responsive technical support.