



THE COLLEGE OF THE BAHAMAS
THE CENTRE FOR CONTINUING EDUCATION & EXTENSION SERVICES
PROFESSIONAL DEVELOPMENT DEPARTMENT

Single and Three Phase License Course Information

SELC900 Single Phase License Course

This course prepares students for the Single Phase License Certification examination where all calculations and evaluations are based on single phase, two wire and single phase, and three wire connections. This course covers topics such as single phase theory, circuit analysis, instrumentation, motors, transformers, motor control, voltage drop calculations and percentages, electrical load calculations, electrical wiring methods, material list estimations, wiring layout and main service calculations for dwelling houses. In addition, there is also an extensive analysis of the Canadian Electrical Code, Part I.

Pre-requisite: Basic mathematical and English skills and preferably experience in single phase electrical wiring.

Date/Time: This course is normally offered each fall semester from 6:00 to 9:00p.m. on Mondays and Wednesdays or Tuesdays and Thursdays in the Electrical Power Laboratory, Room T19.

Cost: \$850.00 and an additional \$40.00 application fee.

Duration: Fourteen weeks

TELC900 Three Phase License Course

This course prepares students for the Three Phase License Certification Examination. Calculations and evaluations are based on three phase, three wire and three phase, four wire connections. It covers topics such as three phase theory, circuit analysis, instrumentation, motors, transformers, motor control, voltage drop calculations and percentages, electrical load calculations, electrical wiring methods, material list estimations and wiring layout and main service calculations for industrial complexes. There is also a complete analysis of the Canadian Electrical Code, Part I.

Pre-requisite: A passing grade in the Single Phase License Certification Examination or a Bachelor's degree in Electrical Engineering Technology and preferably experience in three phase electrical wiring.

Date/Time: This course is normally offered each spring semester from 6:00 to 9:00p.m. on Mondays and Wednesdays or Tuesdays and Thursdays in the Electrical Power Laboratory, Room T19.

Cost: \$1100.00 and an additional \$40.00 application fee.

Duration: Fourteen weeks (14)

Prepared by A. Philip Armbrister
Course Lecturer