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| **Basic****Electricity****Course** | **Course Info**WednesdayOctober 29,2025-January14th, 20265:30PM-8:30PMOnline Via Zoom |
| **Registration****Call:**(732) 224-2315**Email:** cps@brookdalecc.eduFee: $669 Code: XGRNT-011-OCC01 |

# ABOUT THE COURSE

**This course covers electrostatics, direct current electricity, magnetism, magnetic induction, alternating current electricity, light and optics. The course content will also include all the following:**

* The Nature of Electricity; Electrical Standards and Conventions
* Ohm’s Law and Power
* Direct Current Series Circuits
* Direct Current Parallel Circuits: Batteries
* Three Phase Transformer Connection
* Three Phase Systems
* Single Phase Transformer,
* Single Phase Circuits,
* Inductance and Capacitive Circuits
* Kirchhoff’s Laws, Thevenin’s Theorem, Series/Parallel Circuits
* Line Drop Calculations, Three Wire Systems
* Magnetism and Electromagnetism
* Principles of Alternating Current