Electronics Technology

Electronics comprises the physics, engineering, technology and applications that deal with the emission, flow and control of electrons in vacuum and matter. This distinguishes it from classical electrical engineering as it uses active devices to control electron flow by amplification and rectification rather than just using passive effects such as resistance, capacitance and inductance. The identification of the electron in 1897, along with the subsequent invention of the vacuum tube which could amplify and rectify small electrical signals, inaugurated the field of electronics and the electron age. Additional practical-oriented electronics textbooks can be found in the Engineering library.

- Book: Electrical Fundamentals Competency (Industry Training Authority of BC)
Book: Trigonometry and Single Phase AC Generation for Electricians (Flinn)

- Hydraulics and Electrical Control of Hydraulic Systems (Pytel)

- Book: Troubleshooting Motors and Controls (Dickson-Self)

- Book: Electric Circuits I - Direct Current (Kuphaldt)

- Book: Electric Circuits II - Alternating Current (Kuphaldt)