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**Introduction to Nanoelectronics**

Nanotechnology (NT) is the complex interdisciplinary science including nanoscience, nanochemistry, nanophysics, nanomaterials, nanoelectronics, nanometrology, nanobionics, etc. Nanotechnology is a relatively new branch of science that has found a wide range of applications that range from energy production to industrial production processes to biomedical applications.

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**Nanoelectronics - Wikipedia**

The term nanoelectronics refers to the use of nanotechnology in electronic components. These components are often only a few nanometers in size. However, the tinier electronic components become, the harder they are to manufacture.

**Nanoelectronics - Definition and Applications**

This textbook is a comprehensive, interdisciplinary account of the technology and science underpinning nanoelectronics, covering the underlying physics, nanostructures, nanomaterials, and nanodevices. It provides a unifying framework for the basic ideas needed to understand the developments in the field.