Materials Science

Materials science is the design and discovery of new materials. Materials scientists emphasize understanding how the processing of a material influences its properties and performance. The understanding of processing-structure-properties relationships is used to advance understanding in a variety of research areas, including nanotechnology, biomaterials, and metallurgy. Materials science is also an important part of forensic engineering and failure analysis – investigating materials, products, structures or components which fail or do not function as intended, causing personal injury or damage to property.

• Supplemental Modules (Materials Science)
Thumbnail: *Silicon crystal in the beginning of the growth process.* (CC BY-SA 3.0; Marathoni62 via wikipedia).