



Materials engineer

Materials engineers combine or modify materials such as metals, ceramics, glass and plastics for use in a wide range of products.

Their work may involve:

- Selecting the best combination of materials to use for specific products
- Understanding how materials behave under different conditions e.g. temperature
- Creating efficient, cost-effective and environmentally friendly processing methods
- Developing ways of recycling unused products and components

How they work:

Materials engineers/scientists usually work standard hours, although additional hours may be required.

Where they work:

Materials engineers are based in laboratories, offices or manufacturing environments and may be required to travel to visit sites. They may work in many industries such as construction, electronics, shipbuilding, aerospace, power, railways, biomedical engineering and manufacturing.

Other related jobs in this field:

Chemical engineer, electrical engineer, mechanical engineering, nuclear engineer, oil and gas engineer, corrosionist, chemical plant worker.

For a more detailed description link to:

<https://nextstep.direct.gov.uk/planningyourcareer/jobprofiles/JobProfile1144/Pages/default.aspx>