



## **Chemical engineer**

Chemical engineers design safe, cost-effective and environmentally friendly processes to transform raw materials, such as oil, into useful products.

### **Their work involves:**

- Deciding on the best method of producing and purifying a product
- Ensuring that the processes are safe and cost-effective
- Reducing the amount of waste products
- Making sure the energy released is recycled and not wasted

### **How they work:**

Chemical engineers work around 37 hours a week, which may involve shift and weekend work. They are usually based in offices, but may also spend time outdoors, on factory floors or in laboratories.

### **Where they work:**

Chemical engineers may work for companies involved in oil and gas, chemical and allied products, food, energy or pharmaceuticals. They may also work in central government departments, government agencies and companies that design and construct production plants.

### **Other related jobs in this field:**

Agricultural engineer, materials engineer, nuclear engineer, oil and gas engineer, chemical plant worker, fuel researcher, materials scientist.

### **For a more detailed description link to:**

<https://nextstep.direct.gov.uk/planningyourcareer/jobprofiles/JobProfile0540/Pages/default.aspx>