

# Employment Opportunity Information Sheet

## I-Choose Science Industries

Jobs	
<b>Chemical Engineer</b>	Plans and monitors industrial processes that convert raw chemicals into new compounds or break down natural compounds to provide pure chemicals.
<b>Medical Physicist</b>	A scientist employed in health care responsible for the maintenance and monitoring of specialist equipment, e.g. radiotherapy equipment scanners, etc.
<b>Microbiologist</b>	A scientist with a special knowledge of micro-organisms and cell level biology.
<b>Pharmaceutical Scientist</b>	Develops and produces medical drugs.

Skills	
<b>Communication</b>	The ability to explain effectively to colleagues and customers, understand instructions, etc.
<b>People Skills</b>	Communication, empathy, able to see others' point of view.
<b>Self Management</b>	The ability to organise and monitor your own work.
<b>Team Work</b>	The ability to work both with people in the same department, and also in other departments and organisations.

Explanations	
<b>Calibrated</b>	
<b>Chemicals</b>	Both the raw materials of the chemical industry and the products.
<b>Forensic Science</b>	Forensic scientists used analytical skills to determine how something happened. Their skills can be used to understand industrial processes.
<b>Multi-National Enterprise</b>	A company with factories and operations in several different countries.
<b>Quality Control</b>	Checking products (e.g. chemicals, vaccines, etc.) to ensure consistency of quality.
<b>Reagents</b>	A substance or compound consumed during an industrial process, something that helps the process take place but which does not form part of the end product.

## Routes into the Science Industries

Option	Description	Can lead to
<b>College (16+)</b>	College courses in engineering, design, science or technology can lead to employment in science industries.	Employment in the industry Related courses at College and University
<b>Apprenticeship</b>	Training while you work, usually with day release at a college or at a specialist training centre.	Employment in the industry
<b>Diplomas</b>	Diplomas are new qualifications where you gain skills and knowledge through learning about one type of industry.	Employment in the Industry Related courses at College and University

### Where can you find out more:

Access [Kudos](#) or [Keyclips](#) or use the Manufacturing section of the Connexions Resource Area in your local Connexions Centre (look for the blue 'science' icon, the blue 'factory building' icon, or the purple 'spanner' engineering icon).

**Cogent (SSC for Chemicals, Pharmaceuticals, Nuclear, Oil & Gas, Petroleum & Polymers)**

[www.cogent-ssc.com](http://www.cogent-ssc.com)

**SEMTA (SSC for Science, Engineering, Manufacturing & Technology)**

[www.semta.org.uk](http://www.semta.org.uk)

### For details of post 16 courses in your area see your local online prospectus:

<u><a href="http://www.i-choosehalton.org.uk">www.i-choosehalton.org.uk</a></u>	<u><a href="http://www.i-choosesefton.org.uk">www.i-choosesefton.org.uk</a></u>
<u><a href="http://www.i-chooseknowsley.org.uk">www.i-chooseknowsley.org.uk</a></u>	<u><a href="http://www.apply-sthelens.com">www.apply-sthelens.com</a></u>
<u><a href="http://www.i-chooseliverpool.org.uk">www.i-chooseliverpool.org.uk</a></u>	<u><a href="http://www.i-choosewirral.org.uk">www.i-choosewirral.org.uk</a></u>