

# Life & Chemical Sciences

Some useful links and tips for expanding your industry sector insight.

## Exploring Life & Chemical Sciences

I'm looking for general information that's easy to navigate and share.

### [My World of Work: Industries - Chemical Sciences / Life Sciences](#)

The MyWoW industry pages offering a sector overview and video, employment figures, a selection of related jobs to explore, useful school subjects and useful links.

Alternatively go to [Job Profiles](#), filter by 'science, mathematics & statistics'

Also see: [CareerSmart](#) for UK data on areas like employment in [Scientific Research](#)

## Life & Chemical Sciences Insight & Statistics

I'm looking to build a better understanding of this sector within the Scottish labour market, regions, and local authority areas.

### [Sectoral Skills Assessment \(SSA\) Life & Chemical Sciences](#)

The annually updated SSA reports describes the sector now and potential future developments.

Also see: [RSA & SSA webinars](#) introducing the reports and including a Data Matrix tour.

### [Scottish Government: Sciences & Research](#)

Topic areas include latest news, policies, publications, consultations, statistics, and research.

### [Scotland.org: Key Sectors – Health & Life Sciences / Chemical](#)

[Sciences](#) This new web area has some simple stats and videos for key Scottish Sectors, including an area for health and life sciences and one for chemical sciences.

Also see: Visit Scotland [Key Sector: Life Sciences](#), sector overview with links.

### [Regional Skills Assessment \(RSA\) & Data Matrix](#)

The annual RSA reports give an overview of each region's labour market profile, including occupations insight. Local Authority data is available in the interactive Data Matrix (under the reports).

**WIDER FOCUS:** Life & Chemical Sciences often operates across a UK or global network. Organisations like these can offer a wider perspective:

[Deloitte's](#),  
[PwC](#) and  
[McKinsey](#)

## INDUSTRY INSIGHT

Often the best place to find data and insight on a sector is from governing bodies, national agencies, and trade unions. For Life & Chemical Science this includes:

### [Life Sciences Scotland - Innovation Connector](#)

Online hub has a huge amount of information and insight into Scottish Life & Chemical Sciences.

### [Scottish Enterprise](#)

Investing for growth in future industries, including Human Health and Industrial Biotechnology. Includes case-studies of companies supported to scale through innovation.

### [Industrial Biotechnology Innovation Centre](#)

Supports BioTech businesses to grow with a focus on talent development in education settings and in work. Their [Skills](#) area highlights PhD, MSc & HND routes and case studies.

## LMI for Learning

I'm looking for resources and videos that will help me understand and share labour market insight and experiences with a young person or group.

### [Marketplace](#)

Joint DYW and SDS opportunity zone for all industry sectors, with science linked work inspiration and preparation content for young people and experience opportunities.

### [Royal Society of Chemistry – teaching & learning](#)

Insight for educators and students, resources, videos, event and enrichment activities.

### [The Medicines Manufacturing Innovation Centre](#)

Leading independent technology innovation centre supporting innovative partnerships and research for pharmaceutical production. Great insight into future [Markets](#).

### [Cell & Gene Therapy Catapult](#)

For insight and research into UK Advanced Cell & Gene Therapy Industry. You can also register to access courses on the free Online Training Platform.

### [PlanitPlus: Sciences &](#)

[Mathematics](#) The Planit Plus Career Area has LMI facts & figures from a number of sources as well as a downloadable Career Pathways PDF highlighting progression routes.

### [Royal Society of Biology – teaching resources](#)

Links and resources to support biology linked learning, free activities, including careers resources within the [Careers & CPD](#) section.

## LMI for Next Steps

I'm looking for insight about getting started in the sector.

### Networks

**Example:** [Life Sciences in Scotland - Interactive Directories](#)

Knowing which organisations operate in Scotland and where they are based can be a good starting point. LSS Interactive directories allow you to find businesses and research organisations by specialisation and location.

### Training / Employability

**Example:** [National Manufacturing Institute of Scotland \(NIMS\)](#)

Some organisations offer training and upskilling - NIMS Industry-led manufacturing research and development facilities have a partners' network across Scotland and offering training and upskilling within their [Manufacturing Skills Academy](#) and [Digital Factory](#)

## Next Steps – Apprenticeships

[Advanced Therapies Apprenticeship Community \(ATAC\)](#)

Supporting apprentices and life sciences companies operating within Advanced Therapies, Vaccines, Gene Therapy in Scotland and UK.

[Scottish Universities Life Sciences Alliance](#)

Supports equal access to research career pathways. They have events, resources, research and skills support.

[Centre for Advanced Manufacturing of Medicines](#)

Centre for medicines manufacturing research and skills development.

### Enterprise

**Example:** [Business Gateway – Chemical & Life Sciences](#)

Explore business start-up options, Business Gateway has useful market reports, business links and stories from entrepreneurs.

[Apprenticeship.Scot](#)

Includes useful tools such as [‘Explore your options’](#) showing where Foundation Apprenticeships (FA) might lead and the academic value colleges and universities give FA's (usually 1 Higher at A or B).

[SDS Statistics area](#)

If you are looking for data on Apprenticeship uptake and completion the SDS Statistics area has quarterly Modern Apprenticeship report.

## Framework A-Z

View a description, qualification level / levels, learning intentions and potential career links of every Scottish Apprenticeship. For Life & Chemical Sciences this could include:

### **FOUNDATION APPRENTICESHIPS (FA) in school**

- **Foundation Apprenticeship (FA) Scientific technologies** (SCQF Level 6)

### **MODERN APPRENTICESHIPS (MA) work & study**

- **Modern Apprenticeship (MA) Scientific, Technical and Formulation Processing** (SCQF level 5 or 6)
- **MA Life Sciences and Related Science Industries** (SCQF level 6 or 7)
- **MA Life Sciences and Related Science Industries Technical** (SCQF level 8)
- **MA Process Manufacturing** (SCQF level 6 or 7)
- **MA Quality Operation** (SCQF level 6)

For learners experience of Apprenticeships see: [Scottish Apprenticeships YouTube](#)

## **Next Steps - Education**

You can search for Life & Chemical Sciences course options on [My World of Work](#) but if you need more data on these education pathways and destinations here are a couple of sources:

### **Life Sciences in Scotland (LSS) – Workforce Development Portal**

The third LSS Interactive directory is really useful in understanding the types of Life & Chemical Sciences courses available, which universities offer them, levels of study and locations. The site is not maintained so all course information **must** be double checked.

### **Scottish Funding Council (SFC): College Leaver Destinations**

You can see number of leavers by subject areas, including 'Science' and level of study and an indication of general destinations.

**Discover Uni**View individual university course data, including specific Life & Chemical Sciences courses and compare different courses / universities on student satisfaction, earnings, and employment post-course.

Much of the data is from **HESA – Higher Education Statistics Agency**

**Thanks for your time – if you have any comments, questions or suggestions contact us at: [education@sds.co.uk](mailto:education@sds.co.uk)**