

Sectoral Skills Assessment Creative Industries

October 2023

Sectoral Skills Assessments

First launched in 2017, the purpose of the Sectoral Skills Assessments (SSAs) is to provide a robust evidence base to support partners in strategic skills investment planning. Skills Development Scotland (SDS) has worked with key partners and stakeholders in the production of SSAs to ensure an inclusive approach to their development, dissemination and utilisation.

SSAs include published data sets. Inevitably, when using published data there is a time lag, but the data contained is the most up-to-date available at the time of writing.

SSAs also include forecast data that has been commissioned through Oxford Economics. The Technical Note¹ provides full detail on the caveats that must be applied when using forecast data, but broadly, it should be noted that:

- Forecasts are based on what we know now and include past and present trends projected into the future.
- The more disaggregated they become, especially at smaller geographical units, the less reliable they are likely to be.
- Their value is in identifying likely directions of travel rather than predicting exact figures.
- The forecasts do not account for national or sectoral activities, initiatives or investments that are planned.

Industries and occupations used in the SSAs are defined by standard industrial classifications (SIC) and standard occupational classifications (SOC). The Office for National Statistics have SIC² and SOC³ hierarchy tools that can be used to understand the classifications in more detail. This SSA infographic is for the Creative Industries sector. The Scottish Government describes Creative Industries as those with origin in individual creativity, skill and talent, or which have the potential to create wealth and jobs through the development, production or exploitation of intellectual property. Please see Appendix 1 for the SIC definition used in this report.

Key Sectors are central to our Skills Investment Planning approach. Each Key Sector has a tailored Skills Investment Plan (SIP) which outlines trends in skills and qualification supply and employers' perspectives on the skills issues affecting the sector. Regional SIPs have also been developed and are available alongside SIPs on the SDS website.⁴

The SSAs are part of a suite of Labour Market Insight publications by SDS. Other products in the suite include:

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Economy, People and Skills provides succinct and up-to-date evidence on Scotland's economy, business and people. It is updated monthly.

Regional Skills Assessments provide a coherent evidence base to inform future investment in skills, built up from existing datasets and forecasts for Regional Outcome Agreement areas, Rural Scotland and all City and Growth Deals regions. It is updated annually.

The **Data Matrix** is an interactive tool offering data from a variety of sources in a visually engaging format. It is updated frequently.

Alongside the suite of Labour Market Insight publications, SDS also produces a wide range of reports such as statistics on the Apprenticeship Family and the Annual Participation measure for 16-19 year olds. Further information can be found on the <u>Publications and Statistics</u> section of the SDS corporate website.

For any further information or queries on the SSAs or any of our other products, please contact: **RSA@sds.co.uk**

We value user feedback on the Sectoral Skills Assessments. If you would like to provide feedback on the SSAs please do so <u>here</u>.

We held a series of sectoral webinars to complement the publication of the Sectoral Skills Assessments.



The recording of the Creative Industries webinar can be found on the SDS YouTube Channel <u>here</u>.

You can also watch the webinars for other key sectors and regions in Scotland <u>here</u>.

The Context for Scotland's Labour Market and Sectoral Insight

Within the last 10 years, the economy has faced disruption due to events such as the pandemic, Brexit, the war in Ukraine, and the cost of living crisis. In addition to these events, megatrends around demography, technology, and the environment have continued to shape Scotland's economy and labour market.

This section provides an overview of five key drivers of the Scottish labour market, highlighting that an agile and responsive skills system is vital to respond to the challenges and opportunities that exist in the economy, to support and attract inward investment, to increase productivity and to tackle inequality and deprivation.

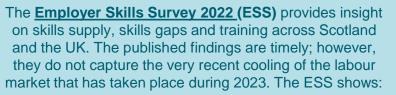


The Economy

Scotland and the UK have been hard hit by rising inflation, tight monetary policy, and subdued economic performance. The impact of the war on Ukraine, increased energy prices, and a tight labour market have resulted in inflation reaching a 40-year high in 2022. At the time of writing, inflation has started to fall, but at a slower pace than previously anticipated. By the end of 2023, the Bank of England expect inflation to be 4.9%, falling to within the 2% target by Q2 of 2025.¹

Interest rates have increased to combat rising inflation, and rates are likely to remain higher for longer than expected as inflation proves challenging to address. This has weighed on economic growth and the outlook for Scotland and the UK remains uncertain, with downside risks. Forecasts predict Scotland² and the UK³ will see weak economic growth between 2023 and 2026.³ International growth is also expected to be weak by historical standards, with global growth of 3% forecast for both 2023 and 2024.⁴ However, the success of Scotland's economy is not solely based on GDP. There has been growing commentary on the need to evaluate the economy on measures other than GDP growth, such as how the economy serves society and sustains the environment. The Scottish Government's National Strategy for Economic Transformation (NSET) noted a commitment to a 'Wellbeing Economy' – 'a society that is thriving across economic, social and environmental dimensions'.⁵

Skills Shortages and Skills Gaps



- Supply challenges have worsened across Scotland and the UK, and vacancies have become harder to fill.
- There has been a sizeable rise in skills shortages, 10% of establishments in Scotland reported a Skills Shortage Vacancy (up from 6% in 2017).
- Skills gaps have decreased slightly in Scotland, 15% of establishments reported a skills gap (-1 pp) while 4.8% of employees in Scotland were not fully proficient, which was the lowest level recorded.
- Training activity has decreased across Scotland, access to training offered by employers was at the lowest recorded level since the survey began in 2011.



Technology and automation have been major disruptors and drivers of the Scottish labour market and economy over the past few decades. Ongoing advances and technological change are expected to continue to have a great impact on the global economy, particularly with the prominence of Artificial Intelligence. ⁶ This will shape consumer behaviour, modify commercial models, and drive innovations in ways of living, working and learning.

While Artificial Intelligence is expected to result in changes to the world of work, many jobs are expected to evolve rather than disappear. ⁷ However, around a third of jobs may see a large share of their tasks being automated and changed. The technological revolution has highlighted the importance of uniquely human meta-skills around self-management, social intelligence and innovation.⁸

As well as risks to certain jobs, technology may also create new jobs and enhance existing roles to support smarter and more agile ways of working. However, employers are already reporting digital skills gaps in the workforce.⁹ The <u>Digital Economy Skills Action Plan</u> aims to address the digital economy skills challenge through upskilling and reskilling, to help realise the potential of Scotland's digital economy.¹⁰

SDS is exploring the potential labour market impact of Automation and Artificial Intelligence through new research. The findings from the research will be published at the beginning of 2024 and will include breakdowns of the risk of automation by gender, income and occupation.

The Context for Scotland's Labour Market



Climate Change

The Climate Emergency has been recognised by governments across the world, with the Scottish Government being one of the first to do so in 2019. Recognising the gravity of the situation, the Scottish Government has set a target to achieve a net zero carbon economy by 2045.¹

Growing recognition of the importance of protecting the environment will have a significant impact on the labour market. Changes in legislation and consumer behaviour will mean growing demand in some areas and a fall in others. Demand for green jobs (and green skills) is expected to increase rapidly as a result of policy and legislative drivers, and consumer choice.²

Scotland's skills requirements for the Climate Emergency are set out in the **Climate Emergency Skills Action Plan**. It outlined the need for action to ensure that current and future skills investment in support of net zero is strongly evidence based.³

The CESAP Pathfinder is a direct response to this, led by Skills Development Scotland (SDS) in collaboration with the Scottish Funding Council (SFC) and forms part of the <u>Shared Outcomes Framework</u>. The CESAP Pathfinder advances the evidence base used to identify current and future skills demand, establishes a baseline of green skills provision and identifies nine opportunities for action needed across the skills system. A suite of reports to share insights, intelligence and lessons learned is due to be published in Autumn 2023.



Demographic Change

Scotland's population is ageing. By 2045, the number of people of pensionable age in Scotland is expected to increase, while the working-age population is projected to decline, and migration is expected to be the only source of population gain in Scotland.⁴ Demographic change could contribute to a tighter labour market in the future, and increase pressure on the demand for public services and the funds available from tax and National Insurance to provide them.

Whilst it was initially thought that Brexit would lead to falling levels of migration, the Office for National Statistics estimated that net migration to the UK hit a record high in 2022.⁵ Migration has been driven by non-EU citizens, while more EU citizens left than arrived in the UK. Migration from outside of the EU has been driven by a number of factors, including humanitarian schemes such as those available. to Ukrainians; higher levels of migration for study; and people coming to the UK for work. Changes to migration policy and the UK's points-based migration system could further impact migration flows.

With populations ageing, the global economy is likely to see more people working for longer due to increases in the state pension age.⁶ Advances in medicine and technological innovations are expected to enhance the health of the older population, which in turn will likely change working habits and preferences. As a result, some targeted upskilling and reskilling may be required to enhance older workers' experience and knowledge to enable the transition into new and growing careers.⁷



Scotland's population was estimated to be 5,436,600 in March 2022, which marks the highest population ever recorded by Scotland's Census. The Scottish population has grown by 2.7% since the previous census, however, this growth rate was slower than the period between 2001 and 2011, when the population grew by 4.6%.

Although Scotland's population increased over the past ten years, this growth was largely driven by migration, as the number of deaths exceeded the number of births. Without migration, Scotland's population would have declined by around 49,800.

The proportion of females (51.4%) and males (48.6%) in Scotland has remained relatively unchanged compared to the previous census in 2011 (51.5% and 48.5% respectively). However, **there are now more older people in Scotland than ever before**. The number of people aged 65 and over increased by 22.5% between 2011 and 2021, while the population aged 0-14 and 15-64 decreased by 2.5% and 1.1% respectively.

The Context for Scotland's Labour Market and Sectoral Insight



Inclusive Growth and Equality

Across Scotland, significant economic inequalities exist, especially for disadvantaged groups. For example, more women than men earned less than the Real Living Wage in 2022¹, the disability employment gap² remained high (29.6 percentage points) in 2023, meaning people with a disability are less likely to be employed, and in the same year, the employment rate gap for the ethnic minority population compared with the white population was 9.2 percentage points.³

The Scottish Government's commitment to fairness and greater equality is reiterated in the National Strategy for Economic Transformation (NSET). One of the strategy's key ambitions is creating a fairer society – '*Ensuring that work pays for everyone through better wages and fair work, reducing poverty and improving life chances*'.⁴

A 'Fairer and More Equal Society' is also one of the five programmes of action outlined in the NSET. This programme of action looks to *'reorient our economy towards wellbeing and fair work'* with key aims including higher rates of employment and wage growth, and reducing poverty.⁵

The Scottish Government's targets are set against the challenging backdrop of the cost of living crisis and the pandemic, affecting groups already impacted by inequality the most: low-income households, young people, disabled people, and people from ethnic minority backgrounds.⁶ Research from the Joseph Rowntree Foundation found that eight in ten single parents, large families and low-income households in Scotland had to go without one or more essentials (such as food or heating) in spring 2023.⁷



Scotland's Creative Industries continue to experience significant challenges to their ongoing recovery from the impacts of the global pandemic, the cost of living, some uncertainty over the availability and levels of public funding and, of course, the continuing Hollywood Writer's Strike with its timely focus on the challenges of generative AI.

Scotland's screen sector has proven to be particularly resilient, and a recent Screen Scotland report highlights significant growth, particularly across inward investment film and High-End TV (HETV) production, increasing by 110%, from £165.3 million in 2019 to £347.4 million in 2021. Employment in the screen production sub-sector in Scotland has increased significantly in recent years. In 2019, there were 5,120 full-time equivalent jobs (FTEs) in this field. However, in 2021, this number rose to 7,150 FTEs, indicating growth of 39%. Employment across Scotland's entire Screen sector increased by 5.6%, from 10,280 FTEs in 2019 to 10,940 FTEs in 2021 due to the impact of COVID-19.9 Anecdotally, some of the uplift in the workforce was sourced from performing arts, especially production, construction and crafts workers, and strong demand for creative digital skills continued.

BECTU reported that 75% of its surveyed UK members were not working due to US Writer's Strikes. ¹⁰ A host of feature film and drama productions are on hold, with areas such as animation, post-production and VFX managing to continue some activity. Talent retention is anticipated to be an issue when production resumes. Festivals Edinburgh published an <u>Economic Impact</u> <u>Report</u> in the summer, highlighting that the value of the Festivals increased in Edinburgh from £280m in 2015 to £407m in 2022, and in Scotland from £313m to £367m.¹¹ A remarkable achievement – with added benefits accruing to the Tourism, Hospitality, Heritage and Retail sectors. However, challenges remained across Scotland for local venues, touring companies, creative practitioners and sole traders where costs of fuel and living impacted on consumer choices, as well as the basic costs of production.

Scotland's creative industries have proven to be particularly resilient over recent decades. The demand for skilled new entrants of all ages and backgrounds, progress on fair work values and the need to invest in upskilling/reskilling - driven by workforce turnover, digital innovation and transition to net zero – should ensure that the sector remains as a positive, vibrant destination.

The forecasts used in this Sectoral Skills Assessment are policy and investment neutral. This means the figures present a baseline outlook that takes into account historical trends and external economic conditions, but the figures do not reflect investment or policy that is unconfirmed or at planning/development stage. Therefore, the forecasts should be used in conjunction with other sources, and readers are encouraged to overlay the forecasts with their own local and sectoral knowledge.

The Economy¹

Gross Value Added (GVA, £m) (2013-2033)² £5,038 £4,140 £4,449 £4,651 £4,583 2013 2015 2020 2025 2030 2033

In 2023, GVA in the Creative Industries sector was forecast to be £5,389m, generating 3.6% of Scotland's total economic output. Between 2013 and 2023, GVA in the sector grew by 2.8% on average each year, compared to growth of 1.0% across Scotland over the same period.

In 2022, the Creative Industries sector experienced economic growth of 10.3%, significantly above the Scottish economy as a whole (4.3%), however, a slower growth of 1.8% was estimated in 2023 due to chalenging economic conditions.

GVA in the Creative Industries sector is forecast to grow on average 2.1% each year between 2023 and 2033, outpacing GVA growth across Scotland's economy. In 2033, the Creative Industries sector is forecast to account for 3.9% of Scotland's total economic output.



1. Forecasts by Oxford Economics (unless otherwise stated). See Page 11 for full list of source references

2. GVA is the measure of the value of goods and services produced within the economy and is an indicator of the sector's health. GVA in constant 2019 prices.

Productivity (GVA per job)³

In this report, we have used Oxford Economics measure of productivity, which is calculated by dividing total sectoral GVA by total sectoral employment (measured by jobs). Please note, there are different ways of calculating productivity, and the pandemic has created new challenges in how productivity is accurately measured. Caution is needed when interpreting productivity data presented in this report, and it must be considered in the context of other data and insight.

In 2023, productivity in the **Creative Industries** sector was forecast to be **£44,900**. In comparison, the Scottish average was £52,600.



dividing total sector GVA by total sector employment (measured by jobs).

Current Demand¹



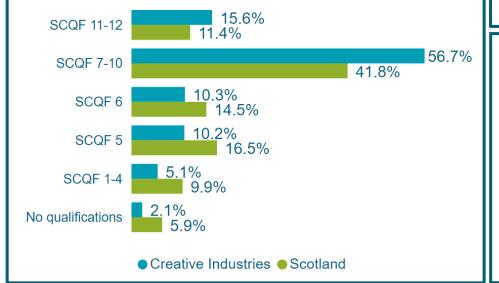
Workforce size 2023: 107,800 people

The workforce **increased** by **24.7%** or **21,400** people between 2013 and 2023. During pandemic (2019-2021), the workforce **increased** by **4.1%** or **4,200** people.

This compares to a Scotland wide increase of **4.0%** or **99,400** people between 2013 and 2023. Between 2019 and 2021, the workforce declined by **-2.2%** or **-56,900** people across Scotland.

Workforce Qualifications, 2023

Creative Industries has a higher proportion of the workforce educated to SCQF levels 7 and above compared to Scotland overall.²



Forecasts by Oxford Economics (unless otherwise stated)
 See <u>SCQF Framework</u> for further information on SCQF qualification levels

3. The proportion of the workforce in the Local Authority employed in sector is calculated by dividing the sectoral employment in the area by total employment in the area.

The proportion of workforce in the Local Authorities employed in Creative Industries, 2023³

In 2023, the **Creative Industries** sector accounted for 4.1% of Scottish employment.

Scottish local authorities have sectoral strengths that make them unique. This means that the **Creative Industries** sector may be more important to some local economies, as a higher proportion of the local workforce is employed in the sector.

The sector was most prominent in the East Dunbartonshire (6.5%), Glasgow City (6.3%), City of Edinburgh (6.2%) and Stirling (6.0%) local authorities.

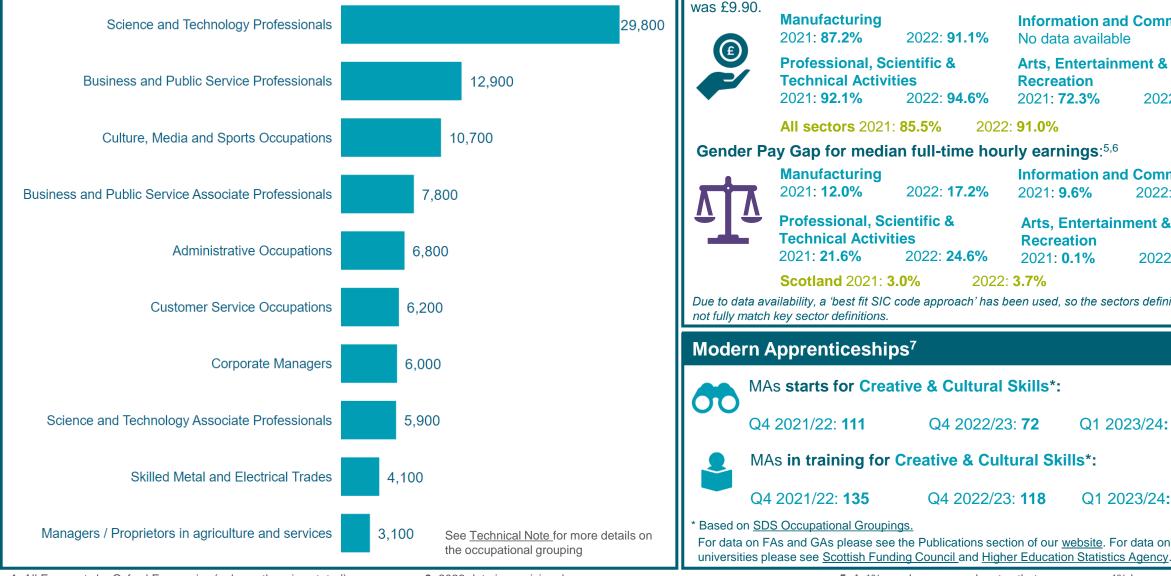
Employment by Region (people), 2023		
The greatest number of people en Creative Industries were in:	nployed in	
Glasgow College Region*	32,700	
Edinburgh, East and Midlothian	25,400	
Lanarkshire	8,600 8,200	
Aberdeen City and Shire	8,200	

*Glasgow College Region covers East Dunbartonshire, East Renfrewshire and Glasgow City local authorities.

Creative Industries

Interactive Map³

Top 10 Employing Occupations (people), 2023



1. All Forecasts by Oxford Economics (unless otherwise stated) 2. Due to data availability, a 'best fit <u>SIC code</u> approach' has been used, so the sectoral definitions and totals in this section may vary from those we have used elsewhere.

3. 2022 data is provisional.

4. The real living wage rates have been independently calculated by the Resolution Foundation according to the cost of living based on household goods and services and are overseen by the Living Wage Commission.

Real Living Wage and Gender Pay Gap^{2,3}

Individuals earning Real Living Wage or more:⁴

In April 2022, the real living wage rate for employees who did not work in London was £9.90

as £9.90.	Manufacturing 2021: 87.2%	2022: 91.1%	Informa No data		Communicatio	n
	Professional, Sc Technical Activit 2021: 92.1%	ies	Arts, En Recreat 2021: 72	ion	2022: 86.9%	
	All sectors 2021:	85.5% 2022	2: 91.0%			
Sender Pa	ay Gap for media	n full-time hou	ırly earniı	ngs: ^{5,6}		
	Manufacturing 2021: 12.0%	2022: 17.2%	Informa 2021: 9. (Communicatio 2022: 13.9%	n
T	Professional, Sc Technical Activit	ies	Recreat			
	2021: 21.6%	2022: 24.6%	2021: 0 .	1%	2022: -6.0%	
ot fully match	Scotland 2021: 3 railability, a 'best fit SIC key sector definitions.	code approach' has l	: 3.7% been used, so	o the secto	ors definitions may	
	As starts for Crea	tive & Cultural	Skills*:			
Q4	2021/22: 111	Q4 2022/2	3: 72	Q1 202	23/24 : 8	
M A	As in training for	Creative & Cul	tural Skil	ls*:		
Q4	2021/22: 135	Q4 2022/23	3: 118	Q1 202	23/24 : 95	
	S Occupational Groupir As and GAs please see		tion of our <u>we</u>	ebsite. For	data on colleges an	d

5. A 4% gender pay gap denotes that women earn 4% less, on average than men. Conversely, a -4% gender pay gap denotes that women earn 4% more, on average, than men.

Job Postings^{1,2}

Spotlight on... Arts Officers, Producers and Directors³

Between January 2023 and June 2023, there were **300 job postings**

Top Locations:

- Edinburgh City 140 job postings
- Glasgow City 100 job postings

Dundee City 30 job postings

- Specialised skills and knowledge:
- Production Management
- Writing and Editing
- Marketing and Public Relations
- Project Management

Median real-time advertised salary: £32,400

Job Postings 2019 – 2023, Arts Officers, Producers and Directors



1. Lightcast 2023. Online job postings data provides a useful barometer for the health of the jobs market. It is important to note that the data does not capture all activity, so it should be considered as an estimate of activity only.

2.Job postings are rounded to the nearest 10 or 100.

3.Data is based on SOC 3416 for the whole of Scotland. Median salary based on 28% of job postings.

4. Data is based on SOC 3417 for the whole of Scotland. Median salary based on 34% of job postings.

Spotlight on... Photographers, Audio Visual and Broadcasting Equipment Operators⁴

Between January 2023 and June 2023, there were 200 job postings

Top Locations:

Specialised skills and knowledge:

- Glasgow City 50 job postings
- Edinburgh City 40 job postings
 - Aberdeen City 10 job postings

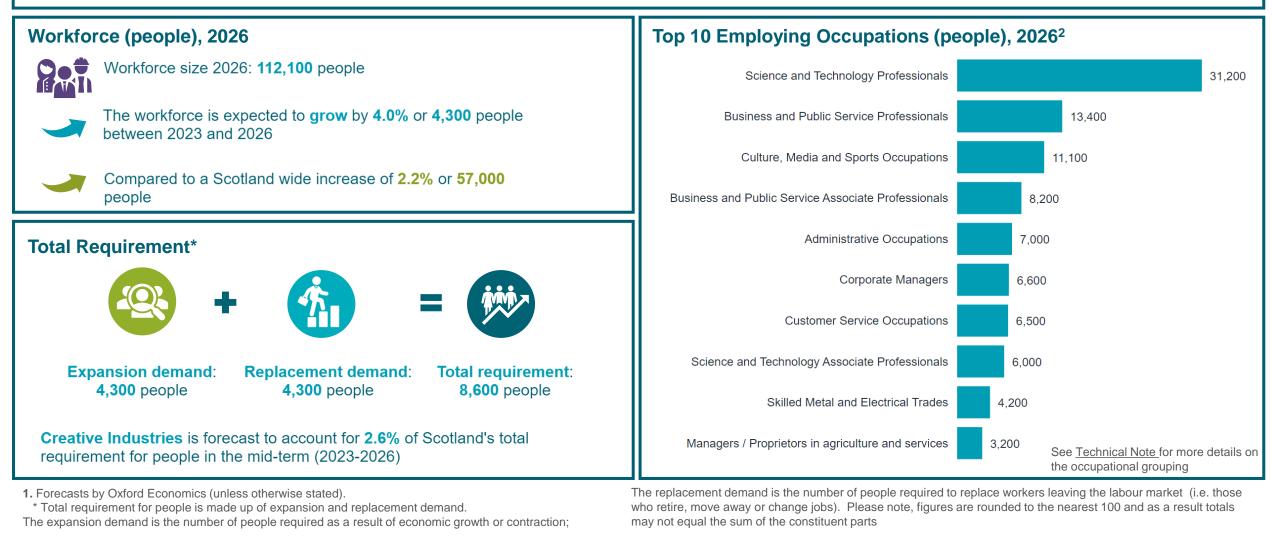
- Photo/Video Production and Technology
- Graphic and Visual Design Software
- Editing
- Critical Thinking and Problem Solving
- Median real-tim
 - Median real-time advertised salary: £30,000

Job Postings 2019 – 2023, Photographers, Audio Visual and Broadcasting Equipment Operators



Future Demand: Mid-term (2023-2026)¹

In the mid-term (2023-2026), **the number of people in employment is forecast to grow by 4.0% (4,300 people)** in the **Creative Industries** sector. This is a larger percentage growth than is forecast overall across Scotland where employment is predicted to rise by 2.2% (57,000 people). In 2026, the top employing regions in the sector are forecast to be **Glasgow College Region** and **Edinburgh, East and Midlothian**, the same as in 2023. Similar to 2023, **the largest proportion of the workforce** is forecast to be educated **to SCQF 7-10**, and the top employing occupations is expected to be **Science and Technology Professionals**. Forecasts for the mid-term (2023-2026) suggest there could be demand for **8,600 people in the sector**, as a result of the need to replace workers leaving the labour market and opportunities created through expansion demand. Whilst positive, caution is needed as a wide range of factors may impact the future labour market.

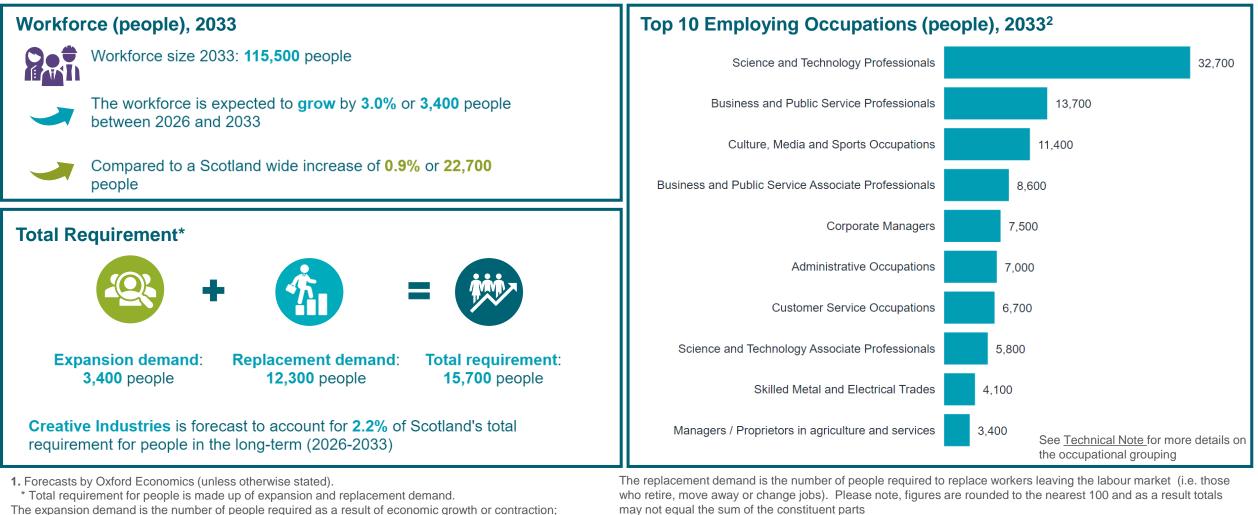


Future Demand: Long-term (2026-2033)¹

Employment growth in the Creative Industries sector is forecast to continue, with an increase of 3.0% (3,400 people) in the long-term (2026-2033). This is a larger percentage growth than is forecast overall across Scotland where employment is predicted to rise by 0.9% (22,700 people).

In 2033, Glasgow College Region and Edinburgh, East and Midlothian are forecast to remain the top employing regions in the sector. The largest proportion of the workforce employed in the sector is forecast to be educated to SCQF 7-10, and Science and Technology Professionals is forecast to remain the most in-demand occupation within the sector.

Forecasts for the long-term (2026-2033) estimate that 15,700 people could be required in the sector. This will be driven by the need to replace workers leaving the labour market and the creation of opportunities through expansion demand.



The expansion demand is the number of people required as a result of economic growth or contraction;

Appendix 1: Creative Industries Sectors Definitions (SIC 2007)

Sub-sector	SIC	Name	Sub-sector	SIC	Name	
	73.11	Advertising agencies		59.2	Sound recording and music publishing activities	
	73.12	Media representation		18.20/1	Reproduction of sound recording	
	71.11	Architectural activities			32.2	Manufacture of musical instruments
	90.03	Artistic creation				
	47.78/1	Retail sale in commercial art galleries			Portrait photographic activities	
	31.09	Manufacture of other furniture		74.20/2	Other specialist photography (not including portrait photography)	
		16.29	Manufacture of other wood products		- 4 0 0 / 0	Other photographic activities (not including portrait and other specialist
	32.12	Manufacture of jewellery and related products	Audio- Visual		photography and film processing) n.e.c.	
	32.13	Manufacture of imitation jewellery and related articles		18.20/2	Reproduction of video recording	
	23.41	Manufacture of ceramic household and ornamental articles		59.11/1	Motion picture production activities	
Visual Art	23.49	Manufacture of other ceramic products		59.11/2	Video production activities	
	23.13	Manufacture of hollow glass		59.12	Motion picture, video and television programme post-production activities	
	23.19	Manufacture of other glass			Motion picture distribution activities	
	47.79/1	Retail sale of antiques and antique books				
	95.24	Repair of furniture and home furnishings			Video distribution activities	
	13	Manufacture of textiles		59.14	Motion picture projection activities	
	14	Manufacture of wearing apparel		58.21	Publishing of computer games	
	15	Manufacture of leather and related products		62.01/1	Ready-made interactive leisure and entertainment software development	
	74.1	Specialised design activities		59.11/3	Television programme production activities	
	71.12/1	Engineering design activities for industrial process and production		59.13/3	Television programme distribution activities	
	74.1	Specialised design activities		59.12	Motion picture, video and television programme post-production activities	
	90.01	Performing arts		60.1	Radio broadcasting	
D (90.02	Support activities to performing arts		60.2	Television programming and broadcasting activities	
Performance	90.04	Operation of arts facilities		90.03	Artistic creation	
	78.10/1	Motion picture, television and other theatrical casting			90.03 58.11	Book publishing
Heritage	91.01	Libraries and archive activities		58.13	Publishing of newspapers	
Digital	58.29	Other software publishing	Books and Press	58.14	Publishing of journals and periodicals	
	62.01/2	Business and domestic software development		58.19	Other publishing activities	
	62.02	Computer consultancy activities		18.11	Printing of newspapers	
Cultural Education	85.52	Cultural Education		18.129	Other printing (not labels)	
	00.02			18.13	Pre press and media services	
				63.91	News agency activities	

Reference	S
Page 2	 SSA Technical Note (2023) Office for National Statistics UK Standard Industrial Classification (SIC) Hierarchy. Available online at: <u>https://bit.ly/3eMy1V9</u> Office for National Statistics UK Standard Occupational Classification (SOC) Hierarchy. Available online at: <u>https://bit.ly/3F3xQQ0</u> Skills Development Scotland Skills Investment Plans. Available online at: <u>https://bit.ly/3gOntFi</u>
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