

Annex A Further / explanatory information on Skills Needs					
More detailed analysis of sectors included as Power Point presentations					
PRIORITY ONE-Increase pipeline of technical skills feeding into key manufacturing and engineering sectors					
LSIP Occupation Name	Definition within the LSIP Report	Relevant SOC Code(s)	LSIP Sector Name	Relevant SIC Code(s)	Mapping Limitations / Further Information
IT Business Analysts, Architects and System Designers	Digital professionals responsible for analysing organisational needs and designing complex technology systems, infrastructure, and business solutions to support industrial and engineering operations.	2133	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
Cyber Security Professionals	Specialists responsible for protecting digital infrastructure, industrial systems, networks, and sensitive data from cyber threats across manufacturing, defence, and engineering sectors.	2135	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
Programmers and Software Development Professionals	Professionals who design, develop, test, and maintain software applications, embedded systems, automation tools, and digital platforms used across advanced industries.	2134	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
Engineering Technicians	Technical specialists supporting engineers through testing, maintenance, diagnostics, installation, and operational delivery within manufacturing and engineering environments.	3113	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
Engineering Professionals (Mechanical, Electrical, Electronics, Aerospace)	Chartered and specialist engineers responsible for designing, developing, and improving advanced products, systems, infrastructure, and industrial processes.	2129	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
Production Managers and Directors in Manufacturing	Operational leaders overseeing manufacturing processes, workforce planning, quality assurance, productivity, and industrial performance.	1121	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range

Mechanical Engineers	Engineers specialising in machinery, manufacturing systems, mechanical processes, and product development across industrial sectors.	2122	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
Skilled Metal, Electrical and Electronic Trades Supervisors	Engineers focused on electrical systems, power infrastructure, controls, and industrial technologies supporting manufacturing and engineering activity.	5250	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
Electrical Engineers	Specialists designing and developing electronic systems, embedded technologies, sensors, communications equipment, and control systems.	2123	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
Electronics Engineers	Engineers responsible for the design, testing, maintenance, and innovation of aircraft, spacecraft, propulsion systems, and related technologies.	2124	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
Aerospace Engineers	Professionals who interpret operational and industrial data to improve efficiency, forecasting, productivity, and strategic decision-making.	2126	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
Data Analysts	Technical staff supporting the operation, maintenance, and reliability of digital systems, networks, infrastructure, and industrial technologies.	3544	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
IT Operations Technicians	Specialists responsible for ensuring software, systems, and digital products meet operational, technical, safety, and regulatory standards.	3131	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
IT Quality and Testing Professionals	Supervisory professionals managing skilled technical trades, ensuring quality delivery, compliance, and workforce coordination within industrial settings.	2136	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range
Information Technology Professionals n.e.c.	A broad category of specialist digital professionals supporting infrastructure, systems development, digital transformation, and emerging technologies.	2139	Advanced Manufacturing & Engineering	13 - 33	Mapping has a broad SIC code range as occupation could fall under a number of categories in SIC code range

PRIORITY TWO-Increase pipeline of construction skills including for green transition (with knock on to other sectors)					
LSIP Occupation Name	Definition within the LSIP Report	Relevant SOC Code(s)	LSIP Sector Name	Relevant SIC Code(s)	Mapping Limitations / Further Information
Construction project managers	Professionals responsible for planning, coordinating, and delivering construction and infrastructure projects, increasingly requiring sustainability and low-carbon expertise.	2455	Construction	41, 42, 43	
Conservation professionals	Specialists supporting the protection, restoration, and sustainable management of natural, historic, and built environments.	2151	Construction	41, 42, 43	
Environment professionals	Professionals working in environmental assessment, sustainability planning, climate adaptation, environmental compliance, and ecological management.	2152	Construction	41, 42, 43	
Plumbers and heating and ventilating installers and repairers	Skilled tradespeople installing and maintaining plumbing, heating, ventilation, and increasingly low-carbon systems such as heat pumps and energy-efficient technologies.	5315	Construction	43	
Glaziers, window fabricators and fitters	Specialists manufacturing and installing glazing systems, energy-efficient windows, and building envelope solutions supporting energy performance and retrofit activity.	5317	Construction	43	
Inspectors of standards and regulations	Professionals ensuring compliance with building regulations, environmental standards, safety requirements, and sustainability frameworks.	3581	Construction	71	

Vehicle technicians, mechanics and electricians	Skilled technicians maintaining, repairing, and adapting vehicles, increasingly requiring expertise in electric and low-emission vehicle technologies.	5231	Construction	45	
Vehicle body builders and repairers	Technical specialists involved in constructing, repairing, and adapting vehicle structures, including emerging low-carbon and electric vehicle systems.	5232	Construction	29, 45	
Electricians and electrical fitters	Skilled professionals installing, maintaining, and upgrading electrical systems, renewable technologies, EV charging infrastructure, and low-carbon energy solutions.	5241	Construction	43	
Assemblers (vehicles and metal goods)	Manufacturing and engineering operatives assembling vehicles, metal products, and technical components within industrial and low-carbon production environments.	8142	Construction	29	
Engineering professionals not elsewhere classified.	Specialist engineers supporting complex technical systems, infrastructure, sustainability technologies, and industrial innovation across multiple sectors.	2129	Construction	71	
Electricians and electrical fitters	Skilled technical professionals responsible for installing, maintaining, testing, and upgrading electrical systems, renewable energy technologies, EV charging infrastructure, smart systems, and low-carbon building services within domestic, commercial, and industrial environments.	5241	Construction	43	

Waste disposal and environmental services managers	Professionals who plan, oversee, and coordinate the collection, treatment, recycling, and disposal of waste while ensuring that all activities comply with environmental regulations and sustainability standards. They manage waste systems and environmental services, including refuse collection, recycling programmes, and hazardous waste handling, and are responsible for supervising staff, controlling budgets, ensuring legal compliance, and developing strategies to improve efficiency and reduce environmental impact.	1254	Construction	38, 39	
Civil engineers	Professionals who design, plan, and oversee the construction and maintenance of infrastructure such as roads, bridges, buildings, and water systems, ensuring projects are safe, efficient, and meet regulatory standards.	2121	Construction	42, 71	
Mechanical engineers	Professionals who design, develop, and maintain mechanical systems and machinery, ensuring they operate efficiently, safely, and in line with technical and regulatory standards.	2122	Construction	42, 71	
Engineering project managers and project engineers	Professionals who plan, coordinate, and oversee engineering projects, ensuring they are completed on time, within budget, and to required technical and safety standards.	2127	Construction	42, 71	
Building and civil engineering technicians	Professionals who support the design, construction, and maintenance of infrastructure projects by preparing drawings, conducting site surveys, and assisting with technical planning to ensure work meets required standards and specifications.	3114	Construction	41, 42, 43, 71	

Scaffolders, staggers and riggers	Skilled workers who assemble, install, and dismantle temporary structures and lifting equipment used to support construction, maintenance, and events, ensuring they are safe, stable, and compliant with regulations.	8151	Construction	41,42,43	
PRIORITY THREE- Improve recruitment, retention and development within the Adult Social Care sector					
LSIP Occupation Name	Definition within the LSIP Report	Relevant SOC Code(s)	LSIP Sector Name	Relevant SIC Code(s)	Mapping Limitations / Further Information
Care workers and home carers	Professionals who provide personal and practical support to individuals in their own homes or care settings, assisting with daily activities such as washing, dressing, meal preparation, and medication support while promoting independence and wellbeing.	6135	Health & Social Care	86, 87, 88	
Residential, day and domiciliary care managers and proprietors	Responsible for the overall management and operation of care services, including residential homes, day centres, and home care providers, ensuring high-quality care delivery, regulatory compliance, staff supervision, and safe, effective support for service users.	1232	Health & Social Care	86, 87, 88	
Other registered nursing professionals	Qualified nurses who are registered with the relevant professional body and provide specialist or general nursing care that does not fall within a specific nursing category, supporting patient assessment, treatment, and ongoing clinical care across a range of healthcare settings.	2237	Health & Social Care	86, 87, 88	

Registered specialist nurses	Qualified nurses who provide advanced clinical care within a specific area of healthcare, such as intensive care, oncology, or mental health, and are responsible for assessing patients, delivering treatment, and supporting multidisciplinary care teams.	2233	Health & Social Care	86, 87	
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