

## Engineering & Manufacturing Apprenticeship SASE Frameworks to new Standards



To prepare for the closure of the SASE Apprenticeship Frameworks on the 31<sup>st</sup> July 2020, this is a list of all currently active SASE Apprenticeship Frameworks in the Engineering & Manufacturing Sector and their corresponding Apprenticeship Standards (if available).

SASE Apprenticeship Framework	Pathway & Occupation	Existing Pearson Qualifications		New Apprenticeship Standard	New Pearson Qualifications	
		QN	Title		QN	Title
Level 2 Composites Engineering	Composites Engineering			ST0537 – Engineering Operative	603/4722/3	Pearson BTEC Level 3 Diploma in Engineering Operations (Knowledge)
Level 3 Composites Engineering	Composites Engineering			ST0094 – Composites Technician	603/3186/0	Pearson BTEC Level 3 Diploma in Composites Engineering (Knowledge)
Level 2 Engineering Manufacture	Aerospace	500/8270/X	Pearson BTEC Level 2 Extended Certificate in Engineering: (Specialist-Manufacturing Engineering)	ST0014- Aviation Maintenance Mechanic (Military) ST0537 – Engineering Operative	603/4722/3	Pearson BTEC Level 3 Diploma in Engineering Operations (Knowledge)
	Marine (Yacht, Boat Building, Maintenance & Repair)	500/8270/X	Pearson BTEC Level 2 Extended Certificate in Engineering: (Specialist-Manufacturing Engineering)	ST0276 – Marine Electrical/Mechanical Mechanic ST0537 – Engineering Operative	603/4722/3	Pearson BTEC Level 3 Diploma in Engineering Operations (Knowledge)
	Mechanical Manufacturing Engineering	500/8270/X 501/0739/2	Pearson BTEC Level 2 Extended Certificate in Engineering: (Specialist-Manufacturing Engineering) Pearson Edexcel Level 2 NVQ Diploma in Mechanical Manufacturing Engineering	ST0537 – Engineering Operative	603/4722/3	Pearson BTEC Level 3 Diploma in Engineering Operations (Knowledge)
	Engineering Maintenance and Installation	500/8270/X 501/0621/1	Pearson BTEC Level 2 Extended Certificate in Engineering: (Specialist-Manufacturing Engineering) Pearson Edexcel Level 2 NVQ Diploma in Engineering Maintenance and Installation	ST0537 – Engineering Operative	603/4722/3	Pearson BTEC Level 3 Diploma in Engineering Operations (Knowledge)
	Fabrication and Welding	500/8270/X	Pearson BTEC Level 2 Extended Certificate in Engineering: (Specialist-Manufacturing Engineering)	ST0537 – Engineering Operative	603/4722/3	Pearson BTEC Level 3 Diploma in Engineering Operations (Knowledge)
	Materials Processing and Finishing	500/8270/X	Pearson BTEC Level 2 Extended Certificate in Engineering: (Specialist-Manufacturing Engineering)	ST0537 – Engineering Operative	603/4722/3	Pearson BTEC Level 3 Diploma in Engineering Operations (Knowledge)
	Engineering Technical Support	500/8270/X	Pearson BTEC Level 2 Extended Certificate in Engineering: (Specialist-Manufacturing Engineering)	ST0537 – Engineering Operative	603/4722/3	Pearson BTEC Level 3 Diploma in Engineering Operations (Knowledge)
Level 3 Engineering Manufacture	Aerospace			ST0547 – Engineering Technician (pathways 1-4)	603/3637/7 601/9063/2	Pearson BTEC Level 2 Diploma in Aerospace & Aviation Engineering (Foundation Knowledge) Pearson BTEC Level 3 Diploma in Aerospace & Aviation Engineering (Development Technical Knowledge)
	Marine (Shipbuilding, Maintenance and Repair)			ST0547 – Engineering Technician (pathways 5-8) ST0364 – Marine Engineer	N/A	N/A
	Mechanical Manufacturing Engineering – Spring Making	601/2548/2	Pearson Edexcel Level 3 NVQ Extended Diploma in Mechanical Manufacturing Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)

SASE Apprenticeship Framework	Pathway & Occupation	Existing Pearson Qualifications		New Apprenticeship Standard	New Pearson Qualifications	
		QN	Title		QN	Title
Level 3 Engineering Manufacture (continued)	Mechanical Manufacturing Engineering – Pipefitting & Assembly	601/2548/2	Pearson Edexcel Level 3 NVQ Extended Diploma in Mechanical Manufacturing Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Mechanical Manufacturing Engineering – Photonics Engineering	601/2548/2	Pearson Edexcel Level 3 NVQ Extended Diploma in Mechanical Manufacturing Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Mechanical Manufacturing Engineering – Mechanical Overhaul and Test	601/2548/2	Pearson Edexcel Level 3 NVQ Extended Diploma in Mechanical Manufacturing Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Mechanical Manufacturing Engineering – Machining	601/2548/2	Pearson Edexcel Level 3 NVQ Extended Diploma in Mechanical Manufacturing Engineering	ST0547 – Engineering Technician (pathway 9)	601/7389/0  603/4863/X  603/5028/3	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 2 Diploma in Machining (Foundation Knowledge) Pearson BTEC Level 3 Diploma in Machining (Development Knowledge)
	Mechanical Manufacturing Engineering – Machine Tool Setting	601/2548/2	Pearson Edexcel Level 3 NVQ Extended Diploma in Mechanical Manufacturing Engineering	ST0547 – Engineering Technician (pathway 12) ST0432 – Engineering Fitter	601/7389/0  601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Mechanical Manufacturing Engineering – Fitting and Assembly	601/2548/2	Pearson Edexcel Level 3 NVQ Extended Diploma in Mechanical Manufacturing Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Mechanical Manufacturing Engineering – Composite Manufacture Engineering	601/2548/2	Pearson Edexcel Level 3 NVQ Extended Diploma in Mechanical Manufacturing Engineering	ST0432 – Engineering Fitter ST0094 – Composites Technician	601/9054/1  Or 603/3186/0	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)  Pearson BTEC Level 3 Diploma in Composites Engineering (Knowledge)
	Mechanical Manufacturing Engineering – CNC Machining	601/2548/2	Pearson Edexcel Level 3 NVQ Extended Diploma in Mechanical Manufacturing Engineering	ST0547 – Engineering Technician (pathway 9)	601/7389/0  603/4863/X  603/5028/3	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 2 Diploma in Machining (Foundation Knowledge) Pearson BTEC Level 3 Diploma in Machining (Development Knowledge)
	Marine (Yacht and Boat Building, Maintenance and Repair)			ST0547 – Engineering Technician (pathways 5-8) ST0364 – Marine Engineer	N/A	N/A
	Engineering Maintenance – Servicing Medical Equipment	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0547 – Engineering Technician (pathway 10)	601/7389/0  601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)

	Engineering Maintenance – Services Maintenance	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0547 – Engineering Technician (pathway 10)	601/7389/0 601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
--	--	------------	---	--	--------------------------	--

SASE Apprenticeship Framework	Pathway & Occupation	Existing Pearson Qualifications		New Apprenticeship Standard	New Pearson Qualifications	
		QN	Title		QN	Title
Level 3 Engineering Manufacture (continued)	Engineering Maintenance – Mechanical	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0547 – Engineering Technician (pathway 10)	601/7389/0 601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Engineering Maintenance – Lift Servicing	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0252 – Lift and Escalator Electromechanic	N/A	N/A
	Engineering Maintenance – Lift Repair	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0252 – Lift and Escalator Electromechanic	N/A	N/A
	Engineering Maintenance – Installation and Control	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Engineering Maintenance – Fluid Power	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0547 – Engineering Technician (pathway 10)	601/7389/0 601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Engineering Maintenance – Escalator Repair and Service	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0252 – Lift and Escalator Electromechanic	N/A	N/A
	Engineering Maintenance – Engineered Systems	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0547 – Engineering Technician (pathway 10)	601/7389/0 601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Engineering Maintenance – Electronic	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0547 – Engineering Technician (pathway 10)	601/7389/0 601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Engineering Maintenance – Electrical	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0547 – Engineering Technician (pathway 10)	601/7389/0 601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Engineering Maintenance – Communication Electronics	601/2543/3	Pearson Edexcel Level 3 NVQ Extended Diploma in Engineering Maintenance	ST0547 – Engineering Technician (pathway 10)	601/7389/0	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence)

					601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Fabrication and Welding			ST0607 – Metal Fabricator	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Materials Processing and Finishing			ST0607 – Metal Fabricator	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)

SASE Apprenticeship Framework	Pathway & Occupation	Existing Pearson Qualifications		New Apprenticeship Standard	New Pearson Qualifications	
		QN	Title		QN	Title
Level 3 Engineering Manufacture (continued)	Engineering Technical Support			ST0547 – Engineering Technician (pathway 13)	601/7389/0 601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Electrical and Electronic Engineering – Testing Electronic Circuits	601/2602/4	Pearson Edexcel Level 3 NVQ Diploma in Electrical and Electronic Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Electrical and Electronic Engineering – Testing Electrical Equipment	601/2602/4	Pearson Edexcel Level 3 NVQ Diploma in Electrical and Electronic Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Electrical and Electronic Engineering – Manufacturing Transformers and Inductors	601/2602/4	Pearson Edexcel Level 3 NVQ Diploma in Electrical and Electronic Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Electrical and Electronic Engineering – Manufacturing Electronic Motors and Gears	601/2602/4	Pearson Edexcel Level 3 NVQ Diploma in Electrical and Electronic Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Electrical and Electronic Engineering – Manufacturing Electrical Control Systems and Equipment	601/2602/4	Pearson Edexcel Level 3 NVQ Diploma in Electrical and Electronic Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Electrical and Electronic Engineering – Leading Printed Circuit and Allied Circuit Assembly	601/2602/4	Pearson Edexcel Level 3 NVQ Diploma in Electrical and Electronic Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Electrical and Electronic Engineering – Leading Electronics Assembly	601/2602/4	Pearson Edexcel Level 3 NVQ Diploma in Electrical and Electronic Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Electrical and Electronic Engineering – Leading Electronic Component Manufacture	601/2602/4	Pearson Edexcel Level 3 NVQ Diploma in Electrical and Electronic Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Electrical and Electronic Engineering – Designing Electronic Circuits	601/2602/4	Pearson Edexcel Level 3 NVQ Diploma in Electrical and Electronic Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)

	Electrical and Electronic Engineering – Controlling Semi-conductor and Manufacturing Processes	601/2602/4	Pearson Edexcel Level 3 NVQ Diploma in Electrical and Electronic Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Electrical and Electronic Engineering – Controlling Printed Circuit and Allied Circuit Assembly	601/2602/4	Pearson Edexcel Level 3 NVQ Diploma in Electrical and Electronic Engineering	ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Installation and Commissioning			ST0432 – Engineering Fitter	601/9054/1	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Engineering Toolmaking			ST0547 – Engineering Technician (pathway 12)	601/7389/0 601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)

SASE Apprenticeship Framework	Pathway & Occupation	Existing Pearson Qualifications		New Apprenticeship Standard	New Pearson Qualifications	
		QN	Title		QN	Title
Level 3 Engineering Manufacture (continued)	Automotive			ST0547 – Engineering Technician (pathway 10)	601/7389/0 601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Engineering Woodworking, Pattern and Model Making			ST0547 – Engineering Technician (pathway 12) ST0566 – Metal Casting, Foundry and Patternmaking Technician	601/7389/0 601/9054/1	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)
	Engineering Leadership			ST0695 – Process Leader (L4)	603/3938/X	Pearson Level 4 Higher National Certificate in Manufacturing Operations
Level 2 Improving Operational Performance	Performing Engineering Operations	500/8250/X	Pearson BTEC Level 2 Extended Certificate in Engineering: (Specialist – Manufacturing Engineering)	ST0537 – Engineering Operative	TBC	Pearson BTEC Level 2 Certificate in Engineering Operations (Knowledge)
		601/2547/0	Pearson Edexcel Level 2 NVQ Diploma in Performing Engineering Operations		603/4722/3	Pearson BTEC Level 2 Diploma in Engineering Operations (Knowledge)
	Performing Manufacturing Operations	600/3050/1	Pearson BTEC Level 2 Certificate in Improving Performance for Manufacturing Operations	ST0420 – Lean Manufacturing Operative	603/4344/8	Pearson BTEC Level 2 Diploma in Manufacturing (Knowledge and Skills)
		501/0659/4	Pearson Edexcel Level 2 NVQ Diploma in Performing Manufacturing Operations			
Business Improvement Techniques	501/0020/8	Pearson BTEC Level 2 Certificate in Lean Organisation Management Techniques	ST0193 – Improvement Technician (L3)			
		501/0585/1				

			Pearson Edexcel Level 2 NVQ Diploma in Business-Improvement Techniques			
Level 3 Operations and Quality Improvement	Business Improvement Techniques	501/0584/X	Pearson Edexcel Level 3 NVQ Diploma in Business-Improvement Techniques	ST0192 – Improvement Practitioner (L4)		

SASE Apprenticeship Framework	Pathway & Occupation	Existing Pearson Qualifications		New Apprenticeship Standard	New Pearson Qualifications	
		QN	Title		QN	Title
Level 4 Advanced Manufacturing Engineering	Aerospace	603/0450/9	Pearson Level 4 Higher National Certificate in Engineering	ST0019 – Aircraft Certifying Maintenance Engineer ST0841 – Engineering Manufacturing Technician	603/3938/X  603/0450/9	Pearson Level 4 Higher National Certificate in Manufacturing Operations  Pearson Level 4 Higher National Certificate in Engineering
	Nuclear Related Technology	603/0450/9	Pearson Level 4 Higher National Certificate in Engineering	ST0292 – Nuclear Welding Inspection Technician ST0841 – Engineering Manufacturing Technician ST0380 – Nuclear Engineer (L5)	603/3938/X  603/0450/9	Pearson Level 4 Higher National Certificate in Manufacturing Operations  Pearson Level 4 Higher National Certificate in Engineering
	Mechanical	603/0450/9	Pearson Level 4 Higher National Certificate in Engineering	ST0841 – Engineering Manufacturing Technician	603/3938/X  603/0450/9	Pearson Level 4 Higher National Certificate in Manufacturing Operations  Pearson Level 4 Higher National Certificate in Engineering
	Electrical/Electronics	603/0450/9	Pearson Level 4 Higher National Certificate in Engineering	ST0841 – Engineering Manufacturing Technician	603/3938/X  603/0450/9	Pearson Level 4 Higher National Certificate in Manufacturing Operations  Pearson Level 4 Higher National Certificate in Engineering
	Automotive	603/0450/9	Pearson Level 4 Higher National Certificate in Engineering	ST0841 – Engineering Manufacturing Technician ST0695 – Process Leader	603/3938/X  603/0450/9	Pearson Level 4 Higher National Certificate in Manufacturing Operations  Pearson Level 4 Higher National Certificate in Engineering
	Maintenance	603/0450/9	Pearson Level 4 Higher National Certificate in Engineering	ST0841 – Engineering Manufacturing Technician	603/3938/X  603/0450/9	Pearson Level 4 Higher National Certificate in Manufacturing Operations  Pearson Level 4 Higher National Certificate in Engineering
	Wind Generation	603/0450/9	Pearson Level 4 Higher National Certificate in Engineering	ST0841 – Engineering Manufacturing Technician	603/3938/X  603/0450/9	Pearson Level 4 Higher National Certificate in Manufacturing Operations  Pearson Level 4 Higher National Certificate in Engineering
	Marine	603/0450/9	Pearson Level 4 Higher National Certificate in Engineering	ST0841 – Engineering Manufacturing Technician	603/3938/X  603/0450/9	Pearson Level 4 Higher National Certificate in Manufacturing Operations  Pearson Level 4 Higher National Certificate in Engineering
	Space Engineering	603/0450/9	Pearson Level 4 Higher National Certificate in Engineering	ST0855 – Space Technician ST0841 – Engineering Manufacturing Technician	603/3938/X  603/0450/9	Pearson Level 4 Higher National Certificate in Manufacturing Operations  Pearson Level 4 Higher National Certificate in Engineering
	Rail Engineering	603/0450/9	Pearson Level 4 Higher National Certificate in Engineering	ST0317 – Rail Engineering Advanced Technician ST0528 – High Speed Rail and Infrastructure Technician	603/3933/0	Pearson Level 4 Higher National Certificate in Rail Engineering