

Appendix 1

The Automotive Industry Job Framework

Job Family	Typical routes to entry	Engineering (ENG)				Materials Planning & Logistics (MPL)			
Sub Family		Research (RES)	Design & Development (DES)	Programmes (PRG)	Production Engineering (PRE)	Capacity Planning (CP)	Materials Planning (MP)	Logistics (LOG)	Warehouse (WAR)
Career Stage 6 (Executive)	Masters Degree, Degree Apprenticeship, NVQ Level 7, Institute Fellow, Chartered Status	Head of Engineering (E006) Head of Programmes (EPRG006) Head of Styling (ESTY006)				Head of Materials Planning & Logistics (MPL006)			
Career Stage 5 (Senior Management)	Honours Degree, Degree Apprenticeship, HND, Technical Certificate Level 5, NVQ Level 5, NVQ Level 6, Incorporated Status	Chief Engineer (ERES005E) Research Manager (ERES005)	Chief Engineer (EDES005) Design & Development Manager (EDESDEV005) Chief Stylist (EDESSTY005)	Programme Manager (EPRG005)	Production Engineering Manager (EPRE005)	Capacity Planning Manager (MPLCP005)	Materials Planning Manager (MPLMP005)	Logistics Manager (MPLLOG005)	Warehouse Manager (MPLWAR005)
Career Stage 4 (Professional/Management)	Degree / Degree Apprenticeship, Foundation Degree, HNC, Technical Certificate Level 4, Higher Professional Diploma, NVQ Level 4, Technician Status	Principal Engineer (ERES004.2) Technical Expert Research Engineering (ERES004)	Principal Design Engineer (EDES004.2) Principal Development Engineer (EDESDEV04.2) Principal Technical Specialist Engineer (EDES004) Principal Stylist (EDESSTY004.2)		Principal Engineer (EPRE004.2) Specialist Production Engineer (EPRE004)				Warehouse Shift Manager (MPLWAR004)
Career Stage 3 (Technical)	Degree / Degree Apprenticeship, HNC, A Levels, Technical Certificate Level 3, NVQ Level 3, Technician Status	Senior Research Engineer (ERES003)	Senior Design Engineer (EDES003.1) Senior Development Engineer (EDESDEV003.1) Senior Technical Specialist Engineer (EDES003.1) Senior Stylist (EDESSTY003.1) Senior Modeller (EDESSTY003.0)	Senior Project Engineer (EPRG003.1)	Senior Production Engineer (EPRE003)	Senior Capacity Planner (MPLCP003.1)	Senior Materials Planner (MPLMP003.1)		
		Research Engineer (ERES003)	Design Engineer (EDES003) Development Engineer (EDESDEV003) Technical Specialist Engineer (EDES003) Stylist (EDESSTY003)	Project Engineer (EPRG003)	Production Engineer (EPRE003)		Materials Planning Analyst (MPLMP003)	Logistics Analyst (MPLLOG003)	Warehouse Supervisor (MPLWAR003)
		Higher Apprenticeship Product Design & Development Engineer Trailblazer (Level 6) (EDES003.0)		Graduate Engineer (Placement) (EPRG003.0)	Higher Apprenticeship Manufacturing Engineer Trailblazer (Level 6) (EPRE003.0)	Graduate Capacity Planner (Placement) (MPLCP003.0)*	Graduate Material Planner (Placement) (MPLMP003.0)		
Higher Apprenticeship Manufacturing Engineering (Level 4)									
Career Stage 2 (Hourly/Senior Admin)	GCSEs Level A-C, NVQ Level 2, Technical Certificate Level 2	Technician - Development (ERES002)	Modeller (EDESSTY002) Technician (EDESDEV002)		Technician (EPRE002)	Capacity Planner (MPLCP002)	Materials Planner (MPLMP002)*	Logistics Co-ordinator (MPLLOG002)	Warehouse Team Leader (MPLWAR002)
Career Stage 1 (Hourly/Admin)	GCSEs Level D-G, Functional Skills Level 1, NVQ Level 1								Warehouse Operator (MPLWAR001)
School Leaver including 6th Form	A Levels, GCSEs Level A-C, Functional Skills Level 2	Apprentice Product Design & Development Technician Trailblazer (Level 3) (EDES00) Apprentice Clay Modeller Level 3 (EDESSTY00)							

Purchasing (PU)		Quality (Q)				Manufacturing (MFG)				
Procurement (PR)	Cost Estimating (CE)	Management Systems (MS)	Supplier Quality (SQ)	Quality Assurance (QA)	Operations (OPS)	Manufacturing (MAN)	Assembly (ASS)	Tool Making (TOO)	Maintenance (MAI)	Lean Manufacturing (LEA)
Head of Purchasing (PU006)		Head of Quality (Q006)				Head of Manufacturing (MFG006)				
Procurement Manager (PUPR005)	Cost Estimating Manager (PUCE005)	Quality Systems Manager (QMS005)	Supplier Quality Manager (QSQ005)	Quality Manager (QOPS005)		Manufacturing Manager (MFG005)			Lean Manufacturing Manager (MFGLEA005)	
Senior Buyer (PUPR004.2)x Senior Technical Procurement Buyer (PUPR004.1)	Senior Engineer (PUCE004)		Senior Supplier Quality Engineer (QSQ004.1)	Warranty Engineer (QQA004.1)	Senior Quality Engineer (QOPS004.1)	Production Shift Manager (MFGMAN004)	Assembly Shift Manager (MFGASS004)	Tool Room Manager (MFGTOO004)	Maintenance Manager (MFGMAI004)	Lean Master Practitioner (MFGLEA004)
Buyer (PUPR003.2)	Technical Production Buyer (PUPR003)				Quality Engineer (QOPS003)	Production Supervisor (MFGMAN003)	Assembly Supervisor (MFGASS003)	Senior Tool Maker (MFGTOO003)	Maintenance Team Leader (MFGMAI003.2)	Senior Lean Practitioner (MFGLEA003)
Supplier Development Engineer (PUPR003E)	Cost Estimating Engineer (PUCE003)	Quality Engineer (QMS003)	Supplier Quality Engineer (QSQ003)	Resident Customer Support Engineer (QQA003)				Control Engineer (MFGMAI003)		
Graduate Buyer (Placement) (PUPR003.0)	Graduate Cost Estimating Engineer (Placement) (PUCE003.0)				Graduate Engineer (Placement) (QOPS003.0)	Higher Apprenticeship Manufacturing Engineering Trailblazer (Level 6) (MFGMAN003.0) Higher Apprenticeship Manufacturing Engineering (Level 4)				
								Higher Apprenticeships Control/Technical Support Engineer (MFGMAI003.0) Electrical/Electronic Technical Support Engineer (MFGMAI003.00) 2 Trailblazers (Level 6)		
Assistant Buyer (PUPR002)				Warranty Technician (QQA002)	Quality Technician (QOPS002)	Team Leader (MFGMAN002.2) Senior Operator (MFGMAN002.1)	Team Leader (MFGASS002.2) Senior Operator (MFGASS002.1)	Tool Maker (MFGTOO002)	Maintenance Technician (MFGMAI002)	Lean Practitioner (MFGLEA002)
						Operator (MFGMAN001)	Operator (MFGASS001)			
						Apprentice Machinist - Advanced Manufacturing Engineering Trailblazer (Level 3) (MFGMAN00)	Apprentice Engineering Manufacture Level 3 (MFGASS00)	Apprentice Toolmaking, Tool & Die Maintenance Trailblazer (Level 3) (MFGTOO00)	Apprentice Mechatronics Maintenance Technician Trailblazer (Level 3) (MFGMAI00) Apprentice Electrotechnical (Level 3) (MFGMAI00.0)	

Source: *Employers' Views of the Jobs and Skills Required for the UK Automotive Industry*, Automotive Industrial Partnership, Sara Bettsworth, SMMT Industry Forum, Phil Davies, BIS February 2016. Updated by Semta April 2016.