Overview of Newly Added Job Posts, Duties and Related Units of Competency

New Job Role Serial Number	Functional Area	QF Level	New Job Role Title	Job Description	Main Duties	Unit of Competency and Code	Unit of Competency Level
1	Business Intelligence and Information Technology	6	Smart Manufacturing / Business Intelligence Director // Smart Manufacturing / Business Intelligence General Manager (Tooling, Metals and Plastics Industry) (Level 6)	Plan the implementation strategies of digital transformation and Industry 4.0 for enterprises, enhance their business intelligence (BI) and overall operational efficiency, and plan the overall development, application, and management of enterprise information technology	Drive innovative and original digital transformation strategies to support business growth. Based on enterprise resources and needs, implement horizontal and vertical integration, and lead internal and external integration to develop forward-looking Industry 4.0 strategies	111558L6 Formulate company's "Industry 4.0" development strategy, plan and improve the implementation of innovative digital business models	6
						111556L6 Establish "Industry 4.0" architecture to interconnect devices within enterprise, achieve single data source, uncover useful data, and assist enterprise in digital transformation and comprehensive operational improvements	6
						111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	6
						111552L5 Implement "Industry 4.0" vertical and horizontal integration and connecting various departments and levels within enterprise to achieve data interconnection and interoperability, comprehensive digital transformation can be realised	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
2	Business Intelligence and Information Technology	5	Smart Manufacturing / Business Intelligence Manager (Tooling, Metals and	Analyse areas where enterprises can leverage Industry 4.0 to improve operations, plan and manage data collection,	Transform enterprise data into knowledge to assist business leaders in making data-driven decisions	111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5

			Plastics Industry) (Level 5)	analysis, and management methods, and provide improvement recommendations to enterprise leadership based on the analysis results		111552L5 Implement “Industry 4.0” vertical and horizontal integration and connecting various departments and levels within enterprise to achieve data interconnection and interoperability, comprehensive digital transformation can be realised	5
						111553L5 Implement “Industry 4.0” extended product lifecycle management involves monitor product condition throughout their entire lifecycle, from design, manufacturing, completion, and customer use, to disposal, ultimately optimising the lifecycle and user experience	5
						111555L5 Implement “Industry 4.0” digital operations and performance management, establish digital dashboards as needed, develop enterprise digital key performance indicators	5
					Design data analysis methods and techniques to help businesses better utilise data and improve decision-making quality. Examine the reliability and usability of data and provide optimisation solutions	111554L5 Establish "Industry 4.0" enterprise database to provide comprehensive, multi-faceted, and real-time operational data for recording and analysis purposes	5
						111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
3	Business Intelligence and Information Technology	4	Smart Manufacturing / Business Intelligence Assistant Engineer (Tooling, Metals and	Mine process data across all operational areas of enterprise using business intelligence (BI) systems, include	Develop and maintain enterprise data infrastructure for business intelligence reporting, analysis, and model building	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4

			Plastics Industry) (Level 4)	market, process, production, supply chain, cost, and quality, to conduct industry operational analysis. Analyse existing operational processes using BI systems, thereby improve operational efficiency	Develop digital dashboards to achieve data visualisation	111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
					Collect and integrate relevant data within the enterprise for decision-making, and conduct analysis	111552L5 Implement "Industry 4.0" vertical and horizontal integration and connecting various departments and levels within enterprise to achieve data interconnection and interoperability, comprehensive digital transformation can be realised	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
4	Business Intelligence and Information Technology	3	Smart Manufacturing / Business Intelligence Technician (Tooling, Metals and Plastics Industry) (Level 3)	Operate smart manufacturing/business intelligence (BI) platform for system management to ensure the correct collection and input of market, process, production, cost, supply chain, quality, and other data	Operate intelligent manufacturing / business intelligence platforms to assist in the development of digital dashboards, achieve data visualisation, and optimise operations	111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111559L3 Apply "Industry 4.0" digital lean principles and use real-time data collected from relevant departments, initially identify wasteful processes or procedures throughout enterprise's value chain, enable focused operational improvements and lean practices within corresponding departments	3
					Monitor the correct data processing at each stage and maintain the data acquisition and management system	111547L3 Implement cybersecurity for Industry 4.0, promote network and information security control measures that simultaneously enable information exchange and ensure information system security in Industry 4.0	3
						111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3

5	Business Intelligence and Information Technology	5	Information Technology Engineer (Tooling, Metals and Plastics Industry) (Level 5)	Establish and maintain enterprise-wide information systems, promote digital operations, build a comprehensive enterprise operational database, and assist in decision-making	Establish and maintain information technology systems to effectively collect information on production and integration, supply chain, processes, human resources, and markets, and effectively manage various knowledge bases	106547L5 Establish and maintain enterprise resource planning (ERP) system to collect and analyse data on company's materials, semi-finished products, and finished products, and to monitor, allocate, and optimise resources	5
						106557L5 Establish and maintain human resources information system and knowledge management system to effectively record, analyse, protect enterprise's human resources and intellectual capital of its employees	5
						106565L5 Establish and maintain market information management system to monitor real-time market conditions, and adjust and optimise market strategies accordingly	5
					Store and provide comprehensive operational data across all areas of an enterprise to assist in decision-making	111554L5 Establish "Industry 4.0" enterprise database to provide comprehensive, multi-faceted, and real-time operational data for recording and analysis purposes	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
6	Business Intelligence and Information Technology	3	Information Technology Technician (Tooling, metals and plastics Industry) (Level 3)	Support network security for the maintenance and operation of information systems and computers at all levels of the enterprise	Monitor and maintain the normal operation of computer system	106455L4 Maintain computer system, ensure smooth business operations, and prevent system intrusion	4
					Ensure security, the system is equipped with and maintained in accordance with network security and monitoring systems,	111547L3 Implement cybersecurity for Industry 4.0, promote network and information security control measures that simultaneously enable information exchange and ensure information system security in Industry 4.0	3

					include their usage and updates, to prevent intrusion and safeguard security	111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3
7	Marketing, Sales and Customer Management	6	Sales / Marketing Director // Sales / Marketing General Manager (Tooling, Metals and Plastics Industry) (Level 6)	Foresight into enterprise's future development, plan market expansion, sales and brand strategies, manage execution and results of these strategies to strengthen enterprise's market, enhance product value-added capabilities	Define the application areas of "Industry 4.0" in marketing, sales, and customer management, and use "Industry 4.0" concept for product lifecycle management	111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5
						111553L5 Implement "Industry 4.0" extended product lifecycle management involves monitor product condition throughout their entire lifecycle, from design, manufacturing, completion, and customer use, to disposal, ultimately optimising the lifecycle and user experience	5
					Develop market expansion, sales, and customer management strategies; build the brand; anticipate future development; oversee the implementation and improvement of each strategy	106597L6 Examine cultural conditions and competitive environment of domestic and foreign markets, and formulate market expansion strategies and target markets	6
						106598L6 Develop intellectual capital development strategy, to develop and train the necessary talent and skills based on the enterprise's objectives	6
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
8	Marketing, Sales and	4	Sales / Marketing Data Assistant Analyst / Engineer	Define the market data to be collected, as well as the channels and	Assist the enterprise in timely understanding market trends, identify	106462L4 Conduct market research, analyse and forecast market trends, and prepare reports	4

	Customer Management		(Tooling, Metals and Plastics Industry) (Level 4)	methods for data collection, analyse various market data to provide quantitative information and support the formulation of marketing and sales strategies	issues in the sales process, provide recommendations, and adjust sales strategies	106487L4 Understand various requirements of physical and electronic drawings, and be familiar with mould manufacturing processes to effectively communicate with internal staff and customers regarding moulds and processes	4
						106491L3 Understand various requirements of physical and electronic drawings, and be familiar with metal product manufacturing processes to effectively communicate with internal staff and customers regarding metal products and processes	4
						106493L3 Understand various requirements of physical and electronic drawings, and be familiar with plastic product manufacturing processes to effectively communicate with internal staff and customers regarding plastic products and processes	4
					Analyse external and internal data (include industry research reports, customer relationship management systems (CRM), etc.) to obtain practical business intelligence, analyse and manage collected market information and data, apply data analysis methods to monitor various sales indicators (such as sales revenue, sales volume, etc.), and make accurate judgments on sales data	111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5
						111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4

9	Marketing, Sales and Customer Management	3	Sales / Marketing Data Administrator (Tooling, Metals and Plastics Industry) (Level 3)	Collect target market data, integrate and import it into the database, and prepare reports for easy reference and analysis	Collect sufficient market and sales data and information to provide insights on market changes	106462L4 Conduct market research, analyse and forecast market trends, and prepare reports	4
						106371L2 Implement target market research plan, provide data and insights to support development of relevant market strategies	2
					Clean, integrate, and transform market, sales, and customer data from different sources, and import useful data into the database, prepare various reports based on the defined sales indicators	111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111547L3 Implement cybersecurity for Industry 4.0, promote network and information security control measures that simultaneously enable information exchange and ensure information system security in Industry 4.0	3
						111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations for implementing digital operations.	3
10	Financial Management and Cost Control	4	Finance / Cost Assistant Analyst (Tooling, Metals and Plastics Industry) (Level 4)	Collect data, analyse company's cost structure based on the data, identify areas of waste for reference by various departments to drive improvements and reduce costs, propose recommendations for adjusting financial strategies based on the analytical results	Assist in financial and cost management, reduce costs and optimise financial operations	106541L4 Perform cost accounting tasks and manage cost variances, accurately and timely monitor all operational costs of enterprise	4
						106453L4 Provide tax and customs advice, ensure enterprise operates in compliance with tax regulations, and legally reduce the tax burden	4
					Apply data analytical methods to explore the company's cost structure, identify areas of waste, implement improvements, and	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4

					maintain the security of cost and financial data	111559L3 Apply "Industry 4.0" digital lean principles and use real-time data collected from relevant departments, initially identify wasteful processes or procedures throughout enterprise's value chain, enable focused operational improvements and lean practices within corresponding departments	3
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
11	Process Design and Development	6	Engineering / Production Director // Engineering / Production General Manager (Metal Die casting, casting and extrusion Industry) (Level 6)	Strategise the design of metal die casting, casting and extrusion products, and refine associated process and production techniques to optimise production, enhance product functionality, and reduce costs. Anticipate future enterprise requirements for equipment, technologies, and systems. Promote digitalised operations across design, process, and production domains	Formulate strategic plans for the design, process development, project management, and production technology advancement of metal die casting, casting and extrusion products, manage and optimise operations, implement automation initiatives to enhance design and production efficiency	106605L6 Formulate enterprise development strategies, consider cultural conditions of both domestic and international markets and results of competitive analysis, and formulate medium- and long-term development goals and measures for enterprise	7
						106603L6 Research, standardise, and plan manufacturing process for die casting and casting products, to ensure all indicators include cost control, environmental protection, product functionality, and appearance etc. to meet the standards	6
						106582L6 Manage product development knowledge and continuously improve product design quality and efficiency	5
						106548L5 Develop project management strategies to ensure projects are implemented with appropriate resources and completed in timely and effective manner	5
						106586L6 Plan and set up automation systems to improve level of automated manufacturing in enterprises	5

						106561L5 Continuously improve factory environment and promote factory quality management, optimise occupational health and safety management, and improve production and operational efficiency	5
					Establish digital data management system based on "Industry 4.0" in the domains of product design, process development, and production, analyse applicable data domains, integrate data sources, and enhance the effectiveness of product design, process development, and production operations	111556L6 Establish "Industry 4.0" architecture to interconnect devices within enterprise, achieve single data source, uncover useful data, and assist enterprise in digital transformation and comprehensive operational improvements	6
						111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5
						111552L5 Implement "Industry 4.0" vertical and horizontal integration and connecting various departments and levels within enterprise to achieve data interconnection and interoperability, comprehensive digital transformation can be realised	5
						106587L5 Manage process design knowledge, standardise it, and continuously improve the process	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
12	Process Design and Development	6	Engineering / Production Director // Engineering / Production General Manager (Metal Stamping and	Strategise the design of metal stamping products and refine associated process and production techniques to optimise production, enhance product	Formulate strategic plans for the design, process development, project management, and production technology advancement of metal	106605L6 Formulate enterprise development strategies, consider cultural conditions of both domestic and international markets and results of competitive analysis, and formulate medium- and long-term development goals and measures for enterprise	7

			Sheet Metal Industry) (Level 6)	functionality, and reduce costs. Anticipate future enterprise requirements for equipment, technologies, and systems. Promote digitalised operations across design, process, and production domains	stamping and sheet metal products, manage and optimise operations, implement automation initiatives to enhance design and production efficiency	106602L5 Designs and plans the manufacturing process for metal stamping products to ensure that costs, environmental protection, product functionality, and appearance meet standards.	6
						106582L6 Manage product development knowledge and continuously improve product design quality and efficiency	5
						106548L5 Develop project management strategies to ensure projects are implemented with appropriate resources and completed in timely and effective manner	5
						106586L6 Plan and set up automation systems to improve level of automated manufacturing in enterprises	5
						106561L5 Continuously improve factory environment and promote factory quality management, optimise occupational health and safety management, and improve production and operational efficiency	5
					Establish digital data management system based on "Industry 4.0" in the domains of product design, process development, and production, analyse applicable data domains, integrate data sources, and enhance the effectiveness of product design, process development, and production operations	111556L6 Establish "Industry 4.0" architecture to interconnect devices within enterprise, achieve single data source, uncover useful data, and assist enterprise in digital transformation and comprehensive operational improvements	6
						111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5
						111552L5 Implement "Industry 4.0" vertical and horizontal integration and connecting various departments and levels within enterprise to achieve data interconnection and interoperability, comprehensive digital transformation can be realised	5

						106587L5 Manage process design knowledge, standardise it, and continuously improve the process	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
13	Process Design and Development	6	Engineering / Production Director // Engineering / Production General Manager (Plastics Industry) (Level 6)	Strategise the design of plastic products, and refine associated process and production techniques to optimise production, enhance product functionality, and reduce costs. Anticipate future enterprise requirements for equipment, technologies, and systems. Promote digitalised operations across design, process, and production domains	Formulate strategic plans for the design, process development, project management, and production technology advancement of plastic products, manage and optimise operations, implement automation initiatives to enhance design and production efficiency	106605L6 Formulate enterprise development strategies, consider cultural conditions of both domestic and international markets and results of competitive analysis, and formulate medium- and long-term development goals and measures for enterprise	7
						106582L6 Manage product development knowledge and continuously improve product design quality and efficiency	5
						106548L5 Develop project management strategies to ensure projects are implemented with appropriate resources and completed in timely and effective manner	5
						106585L5 Design and plan plastic product manufacturing process to ensure costs, environmental protection, product functionality, and appearance meet standards	5
						106586L6 Plan and set up automation systems to improve level of automated manufacturing in enterprises	5
						106561L5 Continuously improve factory environment and promote factory quality management, optimise occupational health and safety management, and improve production and operational efficiency	5

					Establish a digital data management system based on "Industry 4.0" in the domains of product design, process development, and production, analyse applicable data domains, integrate data sources, and enhance the effectiveness of product design, process development, and production operations	111556L6 Establish "Industry 4.0" architecture to interconnect devices within enterprise, achieve single data source, uncover useful data, and assist enterprise in digital transformation and comprehensive operational improvements	6
						111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5
						111552L5 Implement "Industry 4.0" vertical and horizontal integration and connecting various departments and levels within enterprise to achieve data interconnection and interoperability, comprehensive digital transformation can be realised	5
						106587L5 Manage process design knowledge, standardise it, and continuously improve the process	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
14	Process Design and Development	6	Engineering / Production Director // Engineering / Production General Manager (Tooling Industry) (Level 6)	Plan the strategy for mould design and refine its manufacturing processes and production techniques to optimise production, thereby enhance mould functionality and reduce costs. Anticipate the equipment, technologies, and systems required for future business development. Promote digitalisation in design,	Plan the strategy for developing mould products, processes, project management, and production techniques; management and optimisation of operations; implementation of automation; and improvement of design and production efficiency	106605L6 Formulate enterprise development strategies, consider cultural conditions of both domestic and international markets and results of competitive analysis, and formulate medium- and long-term development goals and measures for enterprise	7
						106582L6 Manage product development knowledge and continuously improve product design quality and efficiency	5
						106548L5 Develop project management strategies to ensure projects are implemented with appropriate resources and completed in timely and effective manner	5

				processes, and production		106583L6 Research, development, plan, and schedule mould manufacturing processes to ensure all aspects, include cost control, environmental protection, mould functionality, and appearance, meet the standards	5
						106586L6 Planning and setting up automation systems to improve the level of automated manufacturing in enterprises.	5
						106561L5 Plan and set up automation systems to improve level of automated manufacturing in enterprises	5
					Establish digital data management system based on "Industry 4.0" in product design, process development, and production; analyse data application areas; integrate data; and improve the efficiency of product design, processes, and production	111556L6 Establish “Industry 4.0” architecture to interconnect devices within enterprise, achieve single data source, uncover useful data, and assist enterprise in digital transformation and comprehensive operational improvements	6
						111557L6 Analyse application areas of “Industry 4.0”, helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5
						111552L5 Implement “Industry 4.0” vertical and horizontal integration and connecting various departments and levels within enterprise to achieve data interconnection and interoperability, comprehensive digital transformation can be realised	5
						106587L5 Manage process design knowledge, standardise it, and continuously improve the process	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4

15	Process Design and Development	4	Process Assistant Engineer (Metal Die casting, casting and extrusion Industry) (Level 4)	Analyse and improve the manufacturing processes of metal die casting, casting, and extrusion products, select suitable materials for product manufacturing, and optimise process parameters, ensure smooth and efficient production	Design and analyse the manufacturing processes of metal die casting, casting, and extrusion products	106500L5 Develop lean manufacturing and flexible manufacturing processes, layouts, and facilities; analyse flexible manufacturing requirements; select equipment; and achieve flexible manufacturing goals	4
						106520L4 Perform metal heat treatment and surface modification, meet product application requirements	4
						106439L3 Apply basic metal material knowledge, to select material in suitable types and specifications for metal products to achieve required functionality	3
					Optimise process parameters and resolve production issues	106518L4 Perform metal die casting and casting processes, master various processing parameters to enhance quality and resolve production issues	4
						106519L3 Perform metal extrusion, master various machining parameters, to improve quality of metal extrusion, and solve production problems	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
16	Process Design and Development	4	Process Assistant Engineer (Metal Stamping and Sheet Metal Industry) (Level 4)	Analyse and improve the manufacturing processes of metal stamping and sheet metal products, select suitable materials for product manufacturing, and optimise process parameters to ensure smooth and efficient production	Design and analyse the manufacturing processes of metal stamping and sheet metal products	106489L5 Establish methods and processes for flexible small-batch manufacture of sheet metal, pipes, and wire components, select appropriate processing equipment, and master various processing parameters to improve quality of small-batch production of sheet metal, pipes, and wire components	4
						106500L5 Develop lean manufacturing and flexible manufacturing processes, layouts, and facilities; analyse flexible manufacturing requirements; select equipment; and achieve flexible manufacturing goals	4

						106516L4 Perform non-traditional and special sheet metal processing, meet product application requirements	4
						106517L4 Perform stamping processing of new sheet metal and alloy materials, master various processing parameters, enhance stamping quality, and resolve production issues	4
						106520L4 Perform metal heat treatment and surface modification, meet product application requirements	4
						106427L3 Set parameters for traditional plastic processing equipment, assist in traditional plastic processing and defect analysis, to improve product quality	3
						106439L3 Apply basic metal material knowledge, to select material in suitable types and specifications for metal products to achieve required functionality	3
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Optimise process parameters and resolve production issues	106415L3 Adjust stamping equipment, perform various forms of stamping processes, resolve production problems, and improve product quality	3
17	Process Design and Development	4	Process Assistant Engineer (Plastics Industry) (Level 4)	Analyse and improve the manufacturing processes of plastic products, select suitable materials for product manufacturing,	Design and analyse the manufacturing processes of plastic products	106500L5 Develop lean manufacturing and flexible manufacturing processes, layouts, and facilities; analyse flexible manufacturing requirements; select equipment; and achieve flexible manufacturing goals	4

				optimise process parameters, ensure smooth and efficient production		106523L4 Perform advanced plastic moulding and resolve production issues, master various processing parameters, and enhance injection moulding quality	4
						106524L4 Plan and implement in-plant plastic recycling, reduce plastic waste generation	4
						106526L4 Select and process new plastics and composite materials, meet product application requirements	4
						106428L3 Conduct other forming process to plastic products to meet application requirements	3
						106430L3 Conduct pre-and post-processing of plastic products to meet application requirements	3
						106440L3 Apply basic plastic material knowledge, to select material in suitable types and specifications for plastic products to achieve required functionality	3
					Optimise process parameters and resolve production issues	106426L3 Set parameters for traditional injection moulding equipment, assist in traditional injection moulding and defect analysis, to improve product quality	3
						106427L3 Set parameters for traditional plastic processing equipment, assist in traditional plastic processing and defect analysis, to improve product quality	3
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4

18	Process Design and Development	4	Process Assistant Engineer (Tooling Industry) (Level 4)	Analyse and improve the mould manufacturing process, select appropriate materials for mould making, and optimise process parameters to ensure smooth and efficient processes	Design and analysis of mould manufacturing process, optimisation of process parameters, and problem solving	106500L5 Develop lean manufacturing and flexible manufacturing processes, layouts, and facilities; analyse flexible manufacturing requirements; select equipment; and achieve flexible manufacturing goals	4
						106509L3 Perform advanced CNC milling and master various machining parameters to improve quality of mould components	4
						106510L3 Perform advanced CNC turning and master various machining parameters to improve quality of mould components	4
						106511L3 Perform advanced EDM and master various machining parameters to improve quality of mould components	4
						106512L3 Perform wire EDM and master various machining parameters to improve quality of mould components	4
						106515L4 Assemble and adjust moulds to meet operational requirements, ensure smooth production	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
19	Process Design and Development	5	Process Data Analyst / Engineer (Metal Die casting, casting and extrusion Industry) (Level 5)	Integrate process parameters for metal die casting, casting and extrusion products, propose comprehensive recommendations for rectifying and redesigning the entire manufacturing process as well as developing new processes,	Implement digitisation and intelligent operations for metal die casting, casting and extrusion product processing, establish automated data acquisition and analysis systems	106603L6 Research, standardise, and plan manufacturing process for die casting and casting products, to ensure all indicators include cost control, environmental protection, product functionality, and appearance etc. to meet the standards	6
						106586L6 Plan and set up automation systems to improve level of automated manufacturing in enterprises	5

				establish and update performance indicators, conduct ongoing performance management and continuous optimisation		106584L5 Design and plan manufacturing process for metal extrusion products to ensure standards are met in terms of cost control, environmental protection, product functionality, and appearance, etc.	5
						111564L5 Develop and formulate intelligent processing and testing procedures, methods, and equipment for metal die casting, casting and extrusion products, and upgrade them to machine networking and data-driven operation	4
					Define critical product process parameters requiring monitoring and analysis for metal die casting, casting and extrusion products, establish digitised operational procedures and performance indicators, lead process optimisation initiatives based on analytical results	111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5
						111555L5 Implement "Industry 4.0" digital operations and performance management, establish digital dashboards as needed, develop enterprise digital key performance indicators	5
						111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
20	Process Design and Development	5	Process Data Analyst / Engineer (Metal Stamping and Sheet Metal Industry) (Level 5)	Integrate process parameters for metal stamping products, propose comprehensive recommendations for rectifying and redesigning the entire manufacturing process as well as developing new processes,	Implement digitisation and intelligent operations for metal stamping product processing, establish automated data acquisition and analysis systems	106602L5 Design and plan manufacturing process for metal stamping products to ensure the standards are met in terms of cost control, environmental protection, product functionality, and appearance	6
						106586L6 Plan and set up automation systems to improve level of automated manufacturing in enterprises	5

				establish and update performance indicators, conduct ongoing performance management and continuous optimisation		111565L5 Develop and formulate intelligent processing and inspection procedures, methods, and equipment for metal stamping and sheet metal products, and upgrade them to machine networking and data-driven operation	4
					Define critical product process parameters requiring monitoring and analysis for metal stamping products, establish digitised operational procedures and performance indicators, lead process optimisation initiatives based on analytical results	111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5
						111555L5 Implement "Industry 4.0" digital operations and performance management, establish digital dashboards as needed, develop enterprise digital key performance indicators	5
						111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
21	Process Design and Development	5	Process Data Analyst / Engineer (Plastics Industry) (Level 5)	Integrate process parameters for plastic products, propose comprehensive recommendations for rectifying and redesigning the entire manufacturing process as well as developing new processes, establish and update performance indicators, conduct ongoing performance management and	Implement digitisation and intelligent operations for plastic product processing, establish automated data acquisition and analysis systems	106586L6 Plan and set up automation systems to improve level of automated manufacturing in enterprises.	5
						106585L5 Design and plan plastic product manufacturing process to ensure costs, environmental protection, product functionality, and appearance meet standards	5
						111566L5 Develop and formulate intelligent processing and testing procedures, methods, and equipment for plastic products, and upgrade them to machine networking and data-driven operation	4

				continuous optimisation	Define critical product process parameters requiring monitoring and analysis for plastic products, establish digitised operational procedures and performance indicators, lead process optimisation initiatives based on analytical results	111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency.	5
						111555L5 Implement "Industry 4.0" digital operations and performance management, establish digital dashboards as needed, develop enterprise digital key performance indicators	5
						111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
22	Process Design and Development	5	Process Data Analyst / Engineer (Tooling Industry) (Level 5)	By integrating process parameters for mould processing, propose recommendations for overhauling the entire manufacturing process and developing new processes, establish and update performance indicators for continuous performance management and optimisation	Promote digitalisation and intelligent operation of mould processing and establish automated data acquisition and analysis system	106586L6 Plan and set up automation systems to improve level of automated manufacturing in enterprises	5
						106583L6 Research, development, plan, and schedule mould manufacturing processes to ensure all aspects, include cost control, environmental protection, mould functionality, and appearance, meet the standards	5
						106590L4 Conduct advanced CNC turning precision and ultra-precision machining, master various machining parameters, to improve quality of mould components	5
						106591L4 Conduct advanced EDM machining, master various machining data, to enhance quality of mould components and parts	5

						106514L3 Perform coordinate grinding and coordinate boring, and master various machining parameters to improve quality of mould components	4
						111567L5 Develop and formulate intelligent processing and inspection procedures, methods, and equipment for moulds, and upgrade them to machine networking and data-driven operation	4
						106406L2 Perform surface grinding and master various processing data to improve the quality of mould components	3
					Define the process and technical parameters for mould processing products that require monitoring and analysis, set up digital operation and performance indicators, and lead process optimisation work based on the analysis results	111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5
						111555L5 Implement "Industry 4.0" digital operations and performance management, establish digital dashboards as needed, develop enterprise digital key performance indicators	5
						111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
23	Process Design and Development	4	Process Data Assistant Analyst / Engineer (Metal Die casting, casting and extrusion Industry) (Level 4)	Analyse process parameters of metal die casting, casting, and extrusion products, provide improvement recommendations	Integrate process data of metal die casting, casting, and extrusion, achieve collaboration between process data and design data,	111564L5 Develop and formulate intelligent processing and testing procedures, methods, and equipment for metal die casting, casting and extrusion products, and upgrade them to machine networking and data-driven operation	4

				based on data, and collaborate on product and process data to shorten product development cycles and optimise process efficiency	accelerate product development cycles	106518L4 Perform metal die casting and casting processes, master various processing parameters to enhance quality and resolve production issues	4
						106519L3 Perform metal extrusion, master various machining parameters, to improve quality of metal extrusion, and solve production problems	4
					Analyse process data of metal die casting, casting, and extrusion products, identify the interrelationships between different process parameters, provide recommendations for optimising production processes, manage in-house process data and convert it into enterprise standards and knowledge for metal die casting, casting, and extrusion processes	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
24	Process Design and Development	4	Process Data Assistant Analyst / Engineer (Metal Stamping and Sheet Metal Industry) (Level 4)	Analyse process parameters of metal stamping and sheet metal products, provide improvement recommendations based on data, and collaborate on product and process data to shorten product development cycles and optimise process efficiency	Integrate process data of metal stamping and sheet metal processing, achieve collaboration between process data and design data, accelerate product development cycles	111565L5 Develop and formulate intelligent processing and inspection procedures, methods, and equipment for metal stamping and sheet metal products, and upgrade them to machine networking and data-driven operation	4
						106415L3 Adjust stamping equipment, perform various forms of stamping processes, resolve production problems, and improve product quality	3
					Analyse process data of metal stamping and sheet metal processing, identify the interrelationships between different	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4

					process parameters, provide recommendations for optimising production processes, manage in-house process data, and convert it into enterprise standards and knowledge for metal stamping and sheet metal processing	111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
25	Process Design and Development	4	Process Data Assistant Analyst / Engineer (Plastics Industry) (Level 4)	Analyse process parameters of plastic products, provide improvement recommendations for plastic product manufacturing based on data, and collaborate on product and process data to shorten product development cycles and optimise process efficiency	Integrate process data of plastic product manufacturing, achieve collaboration between process data and design data, accelerate product development cycles	111566L5 Develop and formulate intelligent processing and testing procedures, methods, and equipment for plastic products, and upgrade them to machine networking and data-driven operation	4
						106426L3 Apply basic plastic material knowledge, to select material in suitable types and specifications for plastic products to achieve required functionality	3
						106427L3 Set parameters for traditional plastic processing equipment, assist in traditional plastic processing and defect analysis, to improve product quality	3
					Analyse process data of plastic product manufacturing, identify the interrelationships between different process parameters, provide recommendations for optimising production processes, manage in-house process data, and convert it into enterprise standards and knowledge for plastic product manufacturing	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4

26	Process Design and Development	4	Process Data Assistant Analyst / Engineer (Tooling Industry) (Level 4)	Analyse mould manufacturing process parameters, provide suggestions for improving mould manufacturing process based on the data, coordinate mould and process data to shorten mould development cycle and optimise process efficiency	Integrate mould process data to enable collaboration between process and design data, accelerate product development cycles	111567L5 Develop and formulate intelligent processing and inspection procedures, methods, and equipment for moulds, and upgrade them to machine networking and data-driven operation	4
						106509L3 Perform advanced CNC milling and master various machining parameters to improve quality of mould components	4
						106510L3 Perform advanced CNC turning and master various machining parameters to improve quality of mould components	4
						106511L3 Perform advanced EDM and master various machining parameters to improve quality of mould components	4
						106512L3 Perform wire EDM and master various machining parameters to improve quality of mould components	4
						106406L2 Perform surface grinding and master various processing data to improve the quality of mould components	3
					Analyse mould process data, dissect the relationships between different parameters in the process, and provide suggestions to optimise the production process; manage process data within the enterprise and transform it into the enterprise's mould process standards and knowledge	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4

27	Process Design and Development	3	Process Data Technician (Metal Die casting, casting and extrusion Industry) (Level 3)	Collect production, machine, quality, and environmental data from metal die casting, casting, and extrusion processes, ensure the accuracy of collected data, and monitor system network security	Review real time production data, machine data, quality data, and environmental data from digital dashboards, analyse process bottlenecks in metal die casting, casting, and extrusion, and propose improvement solutions, evaluate the effectiveness of digital lean production	111559L3 Apply "Industry 4.0" digital lean principles and use real-time data collected from relevant departments, initially identify wasteful processes or procedures throughout enterprise's value chain, enable focused operational improvements and lean practices within corresponding departments	3
						111560L3 Operate and maintain intelligent and automated processing and design equipment, systems and processes for die casting, casting and extrusion of metal products; collect and monitor process data for die casting, casting and extrusion products	3
					Monitor the collection and display of process data for anomalies, ensure normal equipment operation and data confidentiality	111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3
28	Process Design and Development	3	Process Data Technician (Metal Stamping and Sheet Metal Industry) (Level 3)	Collect production, machine, quality, and environmental data from metal stamping processes, ensure the accuracy of collected data, and monitor system network security	Review real time production data, machine data, quality data, and environmental data from digital dashboards, analyse process bottlenecks in metal stamping and sheet metal processing, and propose improvement solutions, evaluate the effectiveness of digital lean production	111559L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3
						111561L3 Operate and maintain intelligent and automated equipment, systems, and processes for metal stamping and sheet metal product manufacturing, collect and monitor process data	3
					Monitor the collection and display of process data for anomalies, ensure normal equipment operation and data confidentiality	111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3

29	Process Design and Development	3	Process Data Technician (Plastics Industry) (Level 3)	Collect production, machine, quality, and environmental data from plastic product manufacturing processes, ensure the accuracy of collected data, and monitor system network security	Review real time production data, machine data, quality data, and environmental data from digital dashboards, analyse process bottlenecks in plastic product manufacturing, and propose improvement solutions; evaluate the effectiveness of digital lean production	111559L3 Apply "Industry 4.0" digital lean principles and use real-time data collected from relevant departments, initially identify wasteful processes or procedures throughout enterprise's value chain, enable focused operational improvements and lean practices within corresponding departments	3
						111562L3 Operate and maintain intelligent and automated equipment, systems, and processes for plastic product manufacturing, collect and monitor plastic product process data	3
					Monitor the collection and display of process data for anomalies, ensure normal equipment operation and data confidentiality	111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3
30	Process Design and Development	3	Process Data Technician (Tooling Industry) (Level 3)	Collect various production, machine, quality, and environmental data during the mould processing, ensure the accuracy of the collected data and the network security of the monitoring system	Examine real-time production data, machine data, quality data, and environmental data from the digital dashboard; analyse bottleneck processes in mould manufacturing and propose improvement solutions; evaluate the effectiveness of digital lean manufacturing	111559L3 Apply "Industry 4.0" digital lean principles and use real-time data collected from relevant departments, initially identify wasteful processes or procedures throughout enterprise's value chain, enable focused operational improvements and lean practices within corresponding departments	3
						111563L3 Operate, maintain intelligent and automated mould processing and design equipment, systems and processes, collect and monitor mould process data	3
					Monitor the data collection and display during the monitoring process for any abnormalities, ensure proper equipment operation and data confidentiality	111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3

31	Process Design and Development	5	Automation Engineer (Metal Die casting, casting and extrusion Industry) (Level 5)	Develop and select equipment suitable for automation in metal die casting, casting and extrusion processing, plan processes, layouts, and facilities for lean production and flexible manufacturing	Plan, improve, and maintain automated systems for metal die casting, casting and extrusion processing	106586L6 Plan and set up automation systems to improve level of automated manufacturing in enterprises	5
						106490L5 Develop and formulate automated processing procedures, methods, and equipment for die casting, casting and extrusion products to improve production efficiency, stability, and safety	4
						106496L5 Develop maintenance plans and operating procedures for all machinery and peripheral equipment, and monitor their operation to ensure all machines within enterprise receive proper maintenance and avoid unexpected production downtime	4
						106500L5 Develop lean manufacturing and flexible manufacturing processes, layouts, and facilities; analyse flexible manufacturing requirements; select equipment; and achieve flexible manufacturing goals	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Select required automated production equipment, quality monitoring machinery, and ancillary devices	106494L4 Select and develop required manufacturing machinery and peripheral equipment, understand structure, types, operation, functions, and applications, and minimise the fault probability of intelligent production lines	5
						106495L4 Identify and configure the required product quality control equipment, align with daily quality monitoring needs, and ensure product consistency and process reliability	5
32	Process Design and Development	5	Automation Engineer (Metal Stamping and Sheet Metal Industry) (Level 5)	Develop and select equipment suitable for automation in metal stamping and sheet	Plan, improve, and maintain automated systems for metal	106586L6 Plan and set up automation systems to improve level of automated manufacturing in enterprises	5

				metal processing, plan processes, layouts, and facilities for lean production and flexible manufacturing	stamping and sheet metal processing	106488L5 Develop and formulate automated processing procedures, methods, and equipment for stamping products to improve production efficiency, stability, and safety	4
						106496L5 Develop maintenance plans and operating procedures for all machinery and peripheral equipment, and monitor their operation to ensure all machines within enterprise receive proper maintenance and avoid unexpected production downtime	4
						106500L5 Develop lean manufacturing and flexible manufacturing processes, layouts, and facilities; analyse flexible manufacturing requirements; select equipment; and achieve flexible manufacturing goals	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Select required automated production equipment, quality monitoring machinery, and ancillary devices	106494L4 Select and develop required manufacturing machinery and peripheral equipment, understand structure, types, operation, functions, and applications, and minimise the fault probability of intelligent production lines	5
						106495L4 Identify and configure the required product quality control equipment, align with daily quality monitoring needs, and ensure product consistency and process reliability	5
33	Process Design and Development	5	Automation Engineer (Plastics Industry) (Level 5)	Develop and select equipment suitable for automation in plastic processing, plan processes, layouts, and facilities for lean production and flexible manufacturing	Plan, improve, and maintain automated systems for plactic processing	106586L6 Plan and set up automation systems to improve level of automated manufacturing in enterprises	5
						106492L5 Develop and formulate automated processing and testing procedures, methods, and equipment for plastic products to improve production efficiency, stability, and safety.	4

						106496L5 Develop maintenance plans and operating procedures for all machinery and peripheral equipment, and monitor their operation to ensure all machines within enterprise receive proper maintenance and avoid unexpected production downtime	4
						106500L5 Develop lean manufacturing and flexible manufacturing processes, layouts, and facilities; analyse flexible manufacturing requirements; select equipment; and achieve flexible manufacturing goals	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Select required automated production equipment, quality monitoring machinery, and ancillary devices	106494L4 Select and develop required manufacturing machinery and peripheral equipment, understand structure, types, operation, functions, and applications, and minimise the fault probability of intelligent production lines	5
						106495L4 Identify and configure the required product quality control equipment, align with daily quality monitoring needs, and ensure product consistency and process reliability	5
34	Process Design and Development	5	Automation Engineer (Tooling Industry) (Level 5)	Develop and select equipment suitable for automating mould processing, and plan the processes, layouts, and facilities for lean manufacturing and flexible manufacturing	Plan, improve, and maintain automated mould processing systems	106586L6 Plan and set up automation systems to improve level of automated manufacturing in enterprises	5
						106496L5 Develop maintenance plans and operating procedures for all machinery and peripheral equipment, and monitor their operation to ensure all machines within enterprise receive proper maintenance and avoid unexpected production downtime	4

						106500L5 Develop lean manufacturing and flexible manufacturing processes, layouts, and facilities; analyse flexible manufacturing requirements; select equipment; and achieve flexible manufacturing goals	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Screen required automated production and quality control machinery and peripheral equipment	106494L4 Select and develop required manufacturing machinery and peripheral equipment, understand structure, types, operation, functions, and applications, and minimise the fault probability of intelligent production lines	5
						106495L4 Identify and configure the required product quality control equipment, align with daily quality monitoring needs, and ensure product consistency and process reliability	5
35	Process Design and Development	4	Automation Assistant Engineer (Metal Die casting, casting and extrusion Industry) (Level 4)	Select appropriate machines to produce metal die casting, casting, and extrusion products based on the manufacturing process, develop automation systems, ensure smooth and efficient production processes	Define automation processing and inspection processes, as well as maintenance plans for metal die casting, casting, and extrusion products	106490L5 Develop and formulate automated processing procedures, methods, and equipment for die casting, casting and extrusion products to improve production efficiency, stability, and safety	4
						106496L5 Develop maintenance plans and operating procedures for all machinery and peripheral equipment, and monitor their operation to ensure all machines within enterprise receive proper maintenance and avoid unexpected production downtime	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4

					Establish automation processing and inspection systems	106497L4 Apply pneumatic, hydraulic, and electrical devices to develop automated systems, ensure the safe operation of automated systems, enhance production efficiency and effectiveness, reduce labour requirements, and lower operational costs	4
						106499L4 Apply multi-axis robotic arms to develop automated systems, improve efficiency and flexibility of intelligent production lines	4
						106498L4 Apply programmable logic controllers (PLC) to write circuit control programs, meet functional operation requirements of intelligent production lines, and fulfill data transmission needs	4
						106396L3 Install and apply fixtures to improve production stability and efficiency	3
36	Process Design and Development	4	Automation Assistant Engineer (Metal Stamping and Sheet Metal Industry) (Level 4)	Select appropriate machines to produce metal stamping and sheet metal products based on the manufacturing process, develop automation systems, ensure smooth and efficient production processes	Define automation processing and inspection processes, as well as maintenance plans for metal stamping and sheet metal products	106488L5 Develop and formulate automated processing procedures, methods, and equipment for stamping products to improve production efficiency, stability, and safety	4
						106496L5 Develop maintenance plans and operating procedures for all machinery and peripheral equipment, and monitor their operation to ensure all machines within enterprise receive proper maintenance and avoid unexpected production downtime	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4

					Establish automation processing and inspection systems	106497L4 Apply pneumatic, hydraulic, and electrical devices to develop automated systems, ensure the safe operation of automated systems, enhance production efficiency and effectiveness, reduce labour requirements, and lower operational costs	4
						106498L4 Apply programmable logic controllers (PLC) to write circuit control programs, meet functional operation requirements of intelligent production lines, and fulfill data transmission needs	4
						106499L4 Apply multi-axis robotic arms to develop automated systems, improve efficiency and flexibility of intelligent production lines	4
						106396L3 Install and apply fixtures to improve production stability and efficiency	3
37	Process Design and Development	4	Automation Assistant Engineer (Plastics Industry) (Level 4)	Select appropriate machines to produce plastic products based on the manufacturing process, develop automation systems, ensure smooth and efficient production processes	Define automation processing and inspection processes, as well as maintenance plans for plastic products	106492L5 Develop and formulate automated processing procedures, methods, and equipment for plastic products to improve production efficiency, stability, and safety	4
						106496L5 Develop maintenance plans and operating procedures for all machinery and peripheral equipment, and monitor their operation to ensure all machines within enterprise receive proper maintenance and avoid unexpected production downtime	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4

					Establish automation processing and inspection systems	106497L4 Apply pneumatic, hydraulic, and electrical devices to develop automated systems, ensure the safe operation of automated systems, enhance production efficiency and effectiveness, reduce labour requirements, and lower operational costs	4
						106499L4 Apply multi-axis robotic arms to develop automated systems, improve efficiency and flexibility of intelligent production lines	4
						106498L4 Apply programmable logic controllers (PLC) to write circuit control programs, meet functional operation requirements of intelligent production lines, and fulfill data transmission needs	4
						106396L3 Install and apply fixtures to improve production stability and efficiency	3
38	Process Design and Development	4	Automation Assistant Engineer (Tooling Industry) (Level 4)	Based on mould manufacturing process, select appropriate machines to manufacture products, develop automated systems to ensure smooth and efficient processes	Develop automated processing, inspection, and maintenance plans for moulds	106496L5 Develop maintenance plans and operating procedures for all machinery and peripheral equipment, and monitor their operation to ensure all machines within enterprise receive proper maintenance and avoid unexpected production downtime	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Establish automated processing and testing system	106497L4 Apply pneumatic, hydraulic, and electrical devices to develop automated systems, ensure the safe operation of automated systems, enhance production efficiency and effectiveness, reduce labour requirements, and lower operational costs	4

						106498L4 Apply programmable logic controllers (PLC) to write circuit control programs, meet functional operation requirements of intelligent production lines, and fulfill data transmission needs	4
						106499L4 Apply multi-axis robotic arms to develop automated systems, improve efficiency and flexibility of intelligent production lines	4
						106396L3 Install and apply fixtures to improve production stability and efficiency	3
39	Process Design and Development	4	Internet of Things Assistant Engineer (Tooling, Metals and Plastics Industry) (Level 4)	Establish interconnected system for machines, instruments, computers, and environmental monitoring within the production process, and integrate the data into design, process, product lifecycle management and analysis software systems	Integrate key process data within the enterprise to assist in real time and comprehensive information management, consolidate and utilise various systems (include Customer relationship management (CRM), product data management (PDM), supply chain management (SCM), product lifecycle management (PLM), and computer-aided design (CAD)) to aggregate and analyse dispersed information, supporting management in making intelligent decisions, and fully integrate Enterprise resource planning (ERP) with manufacturing execution system (MES) to track and record the entire process from raw materials to finished products	111552L5 Implement "Industry 4.0" vertical and horizontal integration and connecting various departments and levels within enterprise to achieve data interconnection and interoperability, comprehensive digital transformation can be realised	5
						106505L5 Formulate material requirements planning (MRP) plan based on delivery dates required by each material supplier to ensure timely delivery of materials and semi-finished products for production	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
						111547L3 Implement cybersecurity for Industry 4.0, promote network and information security control measures that simultaneously enable information exchange and ensure information system security in Industry 4.0	3

					Develop and maintain industrial Internet of Things (IoT) network communication technology systems for the enterprise, and apply IoT technology to enable machines to interact and communicate with other machines, objects, environments, and infrastructure	111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						106565L5 Establish and maintain market information management system to monitor real-time market conditions, and adjust and optimise market strategies accordingly	4
						106498L4 Apply programmable logic controllers (PLC) to write circuit control programs, meet functional operation requirements of intelligent production lines, and fulfill data transmission needs	4
						106494L4 Select and develop required manufacturing machinery and peripheral equipment, understand structure, types, operation, functions, and applications, and minimise the fault probability of intelligent production lines	4
						106497L4 Apply pneumatic, hydraulic, and electrical devices to develop automated systems, ensure the safe operation of automated systems, enhance production efficiency and effectiveness, reduce labour requirements, and lower operational costs	4
						106496L5 Develop maintenance plans and operating procedures for all machinery and peripheral equipment, and monitor their operation to ensure all machines within enterprise receive proper maintenance and avoid unexpected production downtime	4
40	Process Design and Development	3	Internet of Things Technician (Tooling, Metals and Plastics Industry) (Level 3)	Install, monitor, and maintain IoT devices and systems that connect design and production machines,	Install, monitor, and maintain industrial IoT systems to connect various machines and	111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4

				instruments, and environmental monitoring facilities, and ensure the cybersecurity of the production network	systems and collect the necessary data	106395L3 Install, debug, and maintain various manufacturing machinery, intelligent production systems, peripheral equipment to ensure they are in normal working order and meet production requirements	3
						111547L3 Implement cybersecurity for Industry 4.0, promote network and information security control measures that simultaneously enable information exchange and ensure information system security in Industry 4.0	3
						111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3
41	Product Manufacturing	4	Production Data Assistant Analyst / Engineer (Metal Die casting, casting and extrusion Industry) (Level 4)	Analyse production data of metal die casting, casting, and extrusion processing, propose suggestions for improving production efficiency, monitor the implementation of accepted suggestions, and continuously improve production based on real-time data	Master commonly used data analysis methods, follow up on various production indicators (include capacity, equipment utilisation, etc.), make accurate judgments on production data, and analyse data from the digital dashboard to ensure the implementation of digital production	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Report to management and provide timely recommendations based on the real-time situation of metal die	111574L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4

					casting, casting, and extrusion processing, to enhance production efficiency	106518L4 Perform metal die casting and casting processes, master various processing parameters to enhance quality and resolve production issues	4
						106519L3 Perform metal extrusion, master various machining parameters, to improve quality of metal extrusion, and solve production problems	4
42	Product Manufacturing	4	Production Data Assistant Analyst / Engineer (Metal Stamping and Sheet Metal Industry) (Level 4)	Analyse production data of metal stamping processing, propose suggestions for improving production efficiency, monitor the implementation of accepted suggestions, and continuously improve production based on real-time data	Master commonly used data analysis methods, follow up on various production indicators (include capacity, equipment utilisation, etc.), make accurate judgments on production data, and analyse data from the digital dashboard to ensure the implementation of digital production	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Report to management and provide timely recommendations based on the real-time situation of metal stamping and sheet metal processing, to enhance production efficiency	106415L3 Adjust stamping equipment, perform various forms of stamping processes, resolve production problems, and improve product quality	3
						106417L3 Perform sheet metal continuous / transfer stamping to meet product application requirements	3
						111575L4 Implement digitalisation of metal stamping and sheet metal processing equipment and related configurations, provide real-time visualisation dashboards for production status in metal stamping and sheet metal processing workshops	4

43	Product Manufacturing	4	Production Data Assistant Analyst / Engineer (Surface Treatment Industry) (Level 4)	Analyse production data of surface treatment processing, propose suggestions for improving production efficiency, monitor the implementation of accepted suggestions, and continuously improve production based on real-time data	Master commonly used data analysis methods, follow up on various production indicators (include capacity, equipment utilisation, etc.), make accurate judgments on production data, and analyse data from the digital dashboard to ensure the implementation of digital production	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Based on the real-time situation of surface treatment processing production, report to management and provide timely recommendations to enhance production efficiency	106521L4 Perform advanced electroplating processes, to meet product application requirements	4
						106522L4 Perform advanced painting processes, to meet product application requirements	4
						111576L4 Implement digitalisation of surface treatment processing equipment and related configurations, and provide real-time visualisation dashboards for production status in surface treatment processing workshops	4
						106421L3 Adjust equipment, perform electroplating, resolve production issues, and improve product quality	3
						106423L3 Adjust equipment, perform coating, resolve production issues, and improve product quality	3
44	Product Manufacturing	4	Production Data Assistant Analyst / Engineer (Plastics Industry) (Level 4)	Analyse various production data of plastic processing, propose suggestions for improving production efficiency, monitor the	Master commonly used data analysis methods, follow up on various production indicators (include capacity, equipment utilisation,	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4

				implementation of accepted suggestions, and continuously improve production based on real-time data	etc.), make accurate judgments on production data, and analyse data from the digital dashboard to ensure the implementation of digital production	111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Respond to the real-time situation of plastic product production, report to management in a timely manner and provide recommendations to enhance production efficiency	106523L4 Perform advanced plastic moulding and resolve production issues, master various processing parameters, and enhance injection moulding quality	4
						111577L4 Implement digitalisation of injection moulding and other plastic processing equipment and related configurations, and provide real-time visualisation dashboards for production status in injection moulding and other plastic processing workshops	4
						106426L3 Set parameters for traditional injection moulding equipment, assist in traditional injection moulding and defect analysis, to improve product quality	3
45	Product Manufacturing	4	Production Data Assistant Analyst / Engineer (Tooling Industry) (Level 4)	Analyse various production data of mould processing, propose suggestions for improving production efficiency, monitor the implementation of accepted suggestions, and continuously improve production based on real-time data	Master commonly used data analysis methods, follow up on various production indicators (include capacity, equipment utilisation, etc.), make accurate judgments on production data, and analyse data from the digital dashboard to	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4

					ensure the implementation of digital production	111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Respond to the real-time situation of mould production, report to management in a timely manner and provide recommendations to enhance production efficiency	106509L3 Perform advanced CNC milling and master various machining parameters to improve quality of mould components	4
						106510L3 Perform advanced CNC turning and master various machining parameters to improve quality of mould components	4
						106511L3 Perform advanced EDM and master various machining parameters to improve quality of mould components	4
						106512L3 Perform wire EDM and master various machining parameters to improve quality of mould components	4
						111578L4 Implement digitalisation of mould processing equipment and related configurations, and provide real-time visualisation dashboards for production status in mould processing workshops	4
						106406L2 Perform surface grinding and master various processing data to improve the quality of mould components	3
46	Product Manufacturing	3	Production Digital Data Administrator (Metal Die casting, casting and extrusion Industry) (Level 3)	Collect real-time production data from metal die casting, casting, and extrusion processes, and carry out lean production, monitor the accuracy of the data, and ensure the	Maintain and monitor the digital dashboard, report abnormal situations to management, and carry out lean production based on collected data to reduce waste and	111559L3 Apply "Industry 4.0" digital lean principles and use real-time data collected from relevant departments, initially identify wasteful processes or procedures throughout enterprise's value chain, enable focused operational improvements and lean practices within corresponding departments	3

				network security of the production data system	defects. Monitor the network security of the production data system	111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3
					Monitor whether the data collection at each stage of the production site for metal die casting, casting, and extrusion processing is operating normally, and ensure that the data displayed on the digital dashboard is accurate and reliable	106518L4 Perform metal die casting and casting processes, master various processing parameters to enhance quality and resolve production issues	4
						106519L3 Perform metal extrusion, master various machining parameters, to improve quality of metal extrusion, and solve production problems	4
						111569L3 Operate and maintain data acquisition equipment and systems for metal die casting, casting and extrusion products; store, manage, and assist in analysis of digital production data for metal die casting, casting and extrusion products	3
47	Product Manufacturing	3	Production Digital Data Administrator (Metal Stamping and Sheet Metal Industry) (Level 3)	Collect real-time production data from various metal stamping processing operations, carry out lean production, monitor the accuracy of the data, and ensure the network security of the production data system	Maintain and monitor the digital dashboard, report abnormal situations to management, and carry out lean production based on collected data to reduce waste and defects. Monitor the network security of the production data system	111559L3 Apply "Industry 4.0" digital lean principles and use real-time data collected from relevant departments, initially identify wasteful processes or procedures throughout enterprise's value chain, enable focused operational improvements and lean practices within corresponding departments	3
						111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3
					Monitor whether the data collection at each stage of the production site for metal stamping and sheet metal	106415L3 Adjust stamping equipment, perform various forms of stamping processes, resolve production problems, and improve product quality	3

					processing is operating normally, and ensure that the data displayed on the digital dashboard is accurate and reliable	111570L3 Operate and maintain data acquisition equipment and systems for metal stamping and sheet metal product production; store, manage, and assist in analysis of digital production data for metal stamping and sheet metal products	3
48	Product Manufacturing	3	Digitalised Production Data Administrator (Surface Treatment Industry) (Level 3)	Collect real-time production data from various surface treatment processing operations, carry out lean production, monitor the accuracy of the data, and ensure the network security of the production data system	Maintain and monitor the digital dashboard, report abnormal situations to management, and carry out lean production based on collected data to reduce waste and defects. Monitor the network security of the production data system	111559L3 Apply "Industry 4.0" digital lean principles and use real-time data collected from relevant departments, initially identify wasteful processes or procedures throughout enterprise's value chain, enable focused operational improvements and lean practices within corresponding departments	3
						111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3
					Monitor the data collection at each stage of the production site for surface treatment processing to ensure normal operation, and ensure that the data displayed on the digital dashboard is accurate and reliable	106421L3 Adjust equipment, perform electroplating, resolve production issues, and improve product quality	3
						111571L3 Operate and maintain data collection equipment and systems for surface treatment and processing product manufacturing; store, manage, and assist in analysis of digital production data in metal surface treatment and processing	3
49	Product Manufacturing	3	Production Digital Data Administrator (Plastics Industry) (Level 3)	Collect real-time production data from various plastic product processing operations, carry out lean production, monitor the accuracy of the data, and ensure the network	Maintain and monitor the digital dashboard, report abnormal situations to management, and carry out lean production based on collected data to reduce waste and	111559L3 Apply "Industry 4.0" digital lean principles and use real-time data collected from relevant departments, initially identify wasteful processes or procedures throughout enterprise's value chain, enable focused operational improvements and lean practices within corresponding departments	3

				security of the production data system	defects. Monitor the network security of the production data system	111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3
					Monitor the data collection at each stage of the production site for plastic products to ensure normal operation, and ensure that the data displayed on the digital dashboard is accurate and reliable	106426L3 Adjust equipment, perform electroplating, resolve production issues, and improve product quality	3
						111572L3 Operate and maintain intelligent data acquisition equipment and systems for plastic product manufacturing, store, manage, and assist in analysis of digital production data for plastic products	3
50	Product Manufacturing	3	Production Digital Data Administrator (Tooling Industry) (Level 3)	Collect real-time production data from various mould processing operations, carry out lean production, monitor the accuracy of the data, and ensure the network security of the production data system	Maintain and monitor the digital dashboard, report abnormal situations to management, and carry out lean production based on collected data to reduce waste and defects. Monitor the network security of the production data system	111559L3 Apply "Industry 4.0" digital lean principles and use real-time data collected from relevant departments, initially identify wasteful processes or procedures throughout enterprise's value chain, enable focused operational improvements and lean practices within corresponding departments	3
						111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	3
					Monitor the data collection at each stage of the mould production site to ensure normal operation, and ensure that the data displayed on the digital dashboard is accurate and reliable	106402L3 Perform basic computer numerical control (CNC) milling machining and master various machining data to improve quality of mould components	3
						106403L3 Perform basic computer numerical control (CNC) turning machining and master various machining data to improve quality of mould components	3

						106405L2 Perform electrical discharge machining (EDM) and monitor various machining data to improve quality of mould components	3
						106406L2 Perform surface grinding and master various processing data to improve the quality of mould components	3
						111573L3 Operate and maintain mould production data acquisition equipment and systems, store, manage, and assist analysis of digital mould production data	3
51	Supply Chain Management	6	Supply Chain Director / Supply Chain General Manager (Tooling, Metals and Plastics Industry) (Level 6)	Plan corporate procurement, production, materials control, warehousing, and shipping strategies; manage and coordinate collaborating enterprises in the supply chain; optimise the supply chain, reduce costs, and ensure smooth supply. Promote the digitalisation and intelligentisation of supply chain operation simultaneously	Develop strategies and application areas for "Industry 4.0" in supply chain development, integrate internal and external supply chain links, and implement "Industry 4.0"	111558L6 Formulate company's "Industry 4.0" development strategy, plan and improve the implementation of innovative digital business models	6
						111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5
						111552L5 Implement "Industry 4.0" vertical and horizontal integration and connecting various departments and levels within enterprise to achieve data interconnection and interoperability, comprehensive digital transformation can be realised	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
					Develop procurement, supply chain management, risk management policies and strategies according to enterprise's needs	106607L7 Establish and maintain corporate management systems, comprehensively grasp the industrial development trends as well as future needs for enterprise development in achieving long-term business success and enhancement	7

						106601L6 Develop risk management strategies to reduce and avoid risks based on the enterprise's long-term development goals and actual operating conditions	6
						106588L5 Develop procurement strategies, to align with enterprise's needs, plans, and development	5
					Formulate a series of production and logistics strategies based on enterprise's development needs and direction	106605L6 Formulate enterprise development strategies, consider cultural conditions of both domestic and international markets and results of competitive analysis, and formulate medium- and long-term development goals and measures for enterprise	7
						106505L5 Formulate material requirements planning (MRP) plan based on delivery dates required by each material supplier to ensure timely delivery of materials and semi-finished products for production	4
						106538L5 Schedule and set up product shipping solutions and plans to ensure smooth, timely, and cost-effective delivery	4
52	Supply Chain Management	5	Supplier Collaboration Platform Manager (Tooling, Metals and Plastics Industry) (Level 5)	Establish supplier collaboration platform to analyse data provided by procurement, materials control, warehousing departments and supply chain partners, and implement measures to improve supply chain and procurement operations	Based on enterprise's development needs and direction, formulate procurement, supply chain management, and material control strategies and guidelines. Manage the system security of all machinery, instruments, and systems for collecting data, establish data network security, develop material requirements and delivery plans	106588L5 Develop procurement strategies, to align with enterprise's needs, plans, and development	5
						106504L5 Formulate procurement guidelines, to standardise the procurement practices and improve procurement efficiency	4
						106538L5 Schedule and set up product shipping solutions and plans to ensure smooth, timely, and cost-effective delivery	4
						106505L5 Formulate material requirements planning (MRP) plan based on delivery dates required by each material supplier to ensure timely delivery of materials and semi-finished products for production.	4

					Establish supplier collaboration platform to formulate a series of production and material control strategies based on the company's development needs and direction. Make appropriate decisions and adjust production plans according to real-time order and inventory status. Use digital methods to combine supplier performance (include delivery cycle, quantity, quality, etc.) with other information to assist enterprise to formulate procurement strategies	111557L6 Analyse application areas of "Industry 4.0", helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency	5
						111554L5 Establish "Industry 4.0" enterprise database to provide comprehensive, multi-faceted, and real-time operational data for recording and analysis purposes	5
						111555L5 Implement "Industry 4.0" digital operations and performance management, establish digital dashboards as needed, develop enterprise digital key performance indicators	5
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
53	Supply Chain Management	4	Supplier Collaboration Platform Data Assistant Analyst / Engineer (Tooling, Metals and Plastics Industry) (Level 4)	Analyse data from procurement, material control, warehouse departments, and supply chain partners, provide recommendations to improve supply chain and procurement operations	Manage the various machines, instruments, and system security involved in data collection during the production process, and ensure data network security, formulate material requirements and shipment plans	106538L5 Schedule and set up product shipping solutions and plans to ensure smooth, timely, and cost-effective delivery	4
						106505L5 Formulate material requirements planning (MRP) plan based on delivery dates required by each material supplier to ensure timely delivery of materials and semi-finished products for production	4
					Maintain and monitor the supplier collaboration platform to ensure the implementation of production plans, make timely reports and recommendations to management based on real-time order and inventory situations to	111554L5 Establish "Industry 4.0" enterprise database to provide comprehensive, multi-faceted, and real-time operational data for recording and analysis purposes	5
						111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4

					adjust production schedules; combine suppliers' performance (include lead time, delivery quantity, quality, etc.) in a digitalised manner with other information to assist the company in formulating procurement strategies	111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
54	Supply Chain Management	3	Supplier Collaboration Platform Data Administrator (Tooling, Metals and Plastics Industry) (Level 3)	Collect production planning, material control, inventory, and shipment data, monitor for any abnormalities in the data, and ensure the network security of supply chain data	Monitor material control, production planning, inventory, and shipment	106399L3 Perform material control and production progress tracking based on material requirements planning (MRP)	3
						106448L3 Handle shipping arrangements to ensure cost-effective and timely delivery and track shipping status	3
						106400L3 Review and manage inventory environment and security to prevent theft of materials, semi-finished products, and finished products, ensure inventory environment meets specific requirements for storing various types of goods	3
						106397L3 Arrange production plans and promptly fulfill all original and adjusted production needs	3
					Monitor the supplier collaboration platform, collect and inspect platform data to ensure the completeness of data provided by suppliers, and ensure data network security	111559L3 Apply "Industry 4.0" digital lean principles and use real-time data collected from relevant departments, initially identify wasteful processes or procedures throughout enterprise's value chain, enable focused operational improvements and lean practices within corresponding departments	3
						111547L3 Implement cybersecurity for Industry 4.0, promote network and information security control measures that simultaneously enable information exchange and ensure information system security in Industry 4.0	3

						111548L3 Understand Industry 4.0, gain basic understanding of its content, application scope, data collection methods, benefits of digital operations for enterprises, and basic cybersecurity knowledge required for implementing data-driven operations	4
55	Product Quality Monitoring and Testing	4	Quality Data Assistant Analyst / Engineer (Metals Industry) (Level 4)	Analyse various quality data from metal processing, and propose suggestions for improving product quality and functionality	Analyse data from the quality data platform to maintain product quality, understand various metal product testing methods, and effectively carry out monitoring and management	106530L4 Analyse and improve appearance defects in metal parts, reduce defects, enhance product quality and production yield	4
						106532L4 Apply various testing standards, select and schedule suitable tests based on product requirements, analyse product inspection reports to enhance overall product quality control	4
					Report to management and provide timely recommendations based on real-time product quality status to enhance product quality, use data analysis methods to track various quality indicators (include pass rate, scrap rate, rework rate, etc.), and make accurate judgments on quality data	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
56	Product Quality Monitoring and Testing	4	Quality Data Assistant Analyst / Engineer (Plastics Industry) (Level 4)	Analyse various quality data from plastic processing, and propose suggestions for improving product quality and functionality	Analyse data from the quality data platform to maintain product quality, understand various plastic product testing methods, effectively carry out monitoring and management	106532L4 Apply various testing standards, select and schedule suitable tests based on product requirements, analyse product inspection reports to enhance overall product quality control	4
						106444L3 Conduct quality inspection of plastic parts, identify defects, and assist in providing recommendations to improve product quality	3

					Report to management and provide timely recommendations based on real-time product quality status to enhance product quality, use data analysis methods to track various quality indicators (include pass rate, scrap rate, rework rate, etc.), and make accurate judgments on quality data	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4
						111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4
57	Product Quality Monitoring and Testing	4	Quality Data Assistant Analyst / Engineer (Tooling Industry) (Level 4)	Analyse quality data from mould processing, and propose suggestions for improving product quality and functionality	Analyse data from the quality data platform to maintain mould quality, understand various mould testing methods, and effectively carry out monitoring and management	106528L4 Conduct mould testing and provide recommendations for structural, functional design and processing adjustments based on test results, ensure parts produced by the mould meet quality requirements and production efficiency	4
						106532L4 Apply various testing standards, select and schedule suitable tests based on product requirements, analyse product inspection reports to enhance overall product quality control	4
					Respond to the real-time status of mould quality, provide timely reports and recommendations to management to enhance mould quality, apply data analysis methods to track various quality indicators (include pass rate, scrap rate, rework rate, etc.), and make	111549L4 Establish and apply Industry 4.0 enterprise database, conduct data analysis, understand data-driven operation models, provide feedback recommendations to enhance departmental operations and performance	4
						111550L4 Apply Industry 4.0 implementation tools, include hardware and software, to collect and utilise data across different operational areas of enterprise	4

					accurate judgments on quality data	111551L4 Introduce and apply Industry 4.0, understand the scope, departments, necessary tools and facilities for implementation, and identify data on visual dashboards for monitoring and initial analysis	4