

Model Curriculum

Pattern Cutter (Footwear)

SECTOR: LEATHER
SUB-SECTOR: FOOTWEAR
OCCUPATION: Designing (FOOTWEAR)
REF ID: LSS/Q2102, V1.0
NSQF LEVEL: 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

LEATHER SECTOR SKILL COUNCIL

for

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/Qualification Pack: 'Pattern Cutter (Footwear)' QP No. 'L55/Q2102 NSQF Level 4'

Date of issuance: June 6th, 2018

Valid up to*: June 12th, 2021

*Valid up to the next review date of the Qualification Pack or the
'Valid up to' date mentioned above (whichever is earlier)



Authorised Signatory
(Leather Sector Skill Council)

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This course encompasses 4 out of 4 National Occupational Standards (NOS) of “Pattern Cutter (Footwear)” Qualification Pack issued by “Leather Sector Skill Council”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Overview on leather industry and generic skills</p> <p>Theory Duration (hh:mm) 06:00</p> <p>Practical Duration (hh:mm) 08:00</p> <p>Corresponding NOS Code Bridge Module</p>	<ul style="list-style-type: none"> • Explain the importance of leather industry • Describe leather manufacturing process • Explain general hazards or risk that can lead to accidents • Follow basic safety, health and hygiene measures • Demonstrate the procedure to wear PPE for safety • Communicate effectively with co-workers in writing as well as orally • Follow the instructions related to the worksite and machine operation 	<p>Chairs, Trainers Desk, Computer, Student table, Projector, White projector screen, White board, Flip chart display stand, Safety Hazard signs, Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles, Newspaper, Stationery</p>
2	<p>Carry out pattern cutting operation in footwear manufacturing</p> <p>Theory Duration (hh:mm) 26:00</p> <p>Practical Duration (hh:mm) 138:00</p> <p>Corresponding NOS Code LSS/N2102</p>	<ul style="list-style-type: none"> • Prepare a hazard free working area as per the safety norms of the organization • Maintain the cleanliness and orderliness of the workplace as per the organizational standards • Check the data on the specification sheet to carry out functions in line with the responsibilities of job role • Draw patterns as per design specification obtained • Set the machine parameters as per the manufacturers instruction • Adjust the pattern specification as per the product standards and allowances required • Cut the patterns as per design specification provided • Check if the cut patterns are free from production and handling damages 	<p>CAD/CAM machine, Pattern cutting tools, PPE set, Cleaning Cloth, Pan & Broom, Dust bin, Sample Specification Sheet</p>
3	<p>Maintain the work area, tools and machines</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 06:00</p> <p>Corresponding NOS Code LSS/N8501</p>	<ul style="list-style-type: none"> • Handle materials, machinery, equipment and tools safely and correctly • Follow correct lifting and handling procedures • Maintain tools, equipment and machine in working condition • Organize the work for subordinates • Prepare a clean and hazard free working area • Deal with work interruptions • Carry out running maintenance within agreed schedules • Report unsafe equipment and other 	<p>Laptop, Marker, Projector, White projector screen, Stationery, White board, Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles, Cleaning cloth, Bucket, Cleaning materials, Mop, Dust bin, Broom</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Theory Duration 40:00</p> <p>Practical Duration 160:00</p>	Chairs, Trainers desk, Computer, Student table, Projector, White projector screen, White board, Flip chart display stand, Safety Hazard signs, Newspaper, Stationery, PPE set ,Cleaning Cloth, Pan & Broom, Dust bin, Sample Specification Sheet, CAD/CAM machine, Pattern cutting tools, Lap top, Marker, Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles, Cleaning materials, Mop, First aid kit, Fire extinguisher, Sample legal documents	

Grand Total Course Duration: 200 Hours, 0 Minutes

(This syllabus/ curriculum has been approved by [Leather Sector Skill Council](#))

Trainer Prerequisites for Job role: “Pattern Cutter (Footwear)” mapped to Qualification Pack: “LSS/Q2102, v 1.0”

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “ <u>LSS/Q2102</u> , Version 1.0”.
2	Personal Attributes	Aptitude for conducting training, and pre/ post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	Diploma or B.Tech in leather footwear technology.
4a	Domain Certification	Certified for Job Role: “ <u>Pattern Cutter (Footwear)</u> ”, mapped to QP: “ <u>LSS/Q2102, V1.0</u> ”. The minimum accepted score is 80%.
4b	Platform Certification	Recommended that the trainer is certified for Job Role: “ <u>Trainer</u> ”, mapped to QP: “ <u>MEP/Q0102</u> ”. The minimum accepted score as per SSC guidelines is 80%.
5	Experience	5-6 years of experience in leather footwear manufacturing sector.

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Pattern Cutter (Footwear)
Qualification Pack	LSS/Q2102, V1.0
Sector Skill Council	Leather

Sr. No.	Guidelines for Assessment
1	Criteria for assessment for each qualification pack will be created by the sector skill council. Each performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2	The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3	Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below).
4	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on these criteria.
5	To pass the Qualification Pack, every trainee should score a minimum of 50% aggregate.
6	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
1. LSS/N2102 Carry out pattern cutting operation in footwear manufacturing	PC1. Ensure the work area is free from hazards as per the safety norm of the organization	20	1	0	1
	PC2. Ensure the cleanliness and orderliness of the work place as per the organizational standards		2	0	2
	PC3. Obtain and check the data on the specification sheet and carry out functions in line with the responsibilities of job role		3	1	2
	PC4. Draw patterns as per design specification		3	0	3
	PC5. Set the machine parameters as per the manufacturers instruction, if using CAD/CAM machine for drawing of patterns		3	1	2
	PC6. Adjust the pattern specification as per the product standards and allowances required		3	1	2
	PC7. Cut the patterns as per specifications		3	1	2
	PC8. Ensure the cut patterns are free from production and handling damages and handed over to the concerned person		2	1	1
	Total	20	5	15	
2. LSS/N8501: Maintain the work area, tools and machines	PC1. Handle materials, machinery, equipment and tools safely and correctly	50	2	0	2
	PC2. Use correct lifting and handling procedures		2	0	2
	PC3. Use materials to minimize waste		3	1	2
	PC4. Prepare and organize work		3	1	2
	PC5. Maintain a clean and hazard free working area		3	1	2
	PC6. Deal with work interruptions		3	1	2
	PC7. Move around the workplace with care		2	0	2
	PC8. Maintain tools and equipment		2	0	2
	PC9. Carry out running maintenance within agreed schedules		2	0	2
	PC10. Carry out maintenance and/or cleaning outside responsibility		2	0	2
	PC11. Report unsafe equipment and other dangerous occurrences		3	1	2
	PC12. Ensure that the correct machine guards are in place		2	0	2

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC13. Work in a comfortable position with the correct posture		3	1	2
	PC14. Use cleaning equipment and methods appropriate for the work to be carried out		2	0	2
	PC15. Dispose of waste safely in the designated location		3	1	2
	PC16. Store cleaning equipment safely after use		1	0	1
	PC17. Complete and store accurate records and documentation		2	0	2
	PC18. Maintain proper lighting, ventilation to make sure general comfort is there while working		2	0	2
	PC19. Give inputs and assist in completing documentation		2	0	2
	PC20. Report the need for maintenance and/or cleaning outside your area of responsibility		2	1	1
	PC21. Ensure safe and correct handling of materials, equipment and tools		2	0	2
	PC22. Maintain appropriate environment to protect stock from pilfering, theft, damage and deterioration		2	0	2
	Total	Total	50	8	42
3. LSS/N8601: Maintain health, safety and security at workplace	PC1. Comply with health and safety related instructions applicable to the workplace	45	3	0	3
	PC2. Use and maintain personal protective equipment as per protocol		3	1	2
	PC3. Carry out own activities in line with approved guidelines and procedures		2	0	2
	PC4. Maintain a healthy lifestyle and guard against dependency on intoxicants		3	1	2
	PC5. Follow environment management system related procedures		3	0	3
	PC6. Identify and correct (if possible) malfunctions in machinery and equipment		3	1	2
	PC7. Report any service malfunctions that cannot be rectified		2	0	2
	PC8. Store materials and equipment in line with manufacturer's and organizational requirements		2	0	2

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC9. Safely handle and move waste and debris		3	1	2
	PC10. Minimize health and safety risks to self and others due to own actions		2	0	2
	PC11. Seek clarifications, from supervisors or other authorized personnel in case of perceived risks		2	0	2
	PC12. Monitor the workplace and work processes for potential risks and threats		2	0	2
	PC13. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		3	1	2
	PC14. Report hazards and potential risks/ threats to supervisors or other authorized personnel		2	0	2
	PC15. Participate in mock drills/ evacuation procedures organized at the workplace		3	0	3
	PC16. Undertake first aid, fire-fighting and emergency response training, if asked to do so		3	0	3
	PC17. Take action based on instructions in the event of fire, emergencies or accidents		2	0	2
	PC18. Follow organization procedures for shutdown and evacuation when required		2	0	2
	Total	Total	45	5	40
4. LSS/N8701: Comply with industry, regulatory and organizational requirements	PC1. Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures	15	3	0	3
	PC2. Seek and obtain clarifications on policies and procedures, from the supervisor or other authorized personnel		4	1	3
	PC3. Apply and follow these policies and procedures within the work practices		2	0	2
	PC4. Provide support to the supervisor and team members in enforcing these considerations		3	1	2
	PC5. Identify and report any possible deviation to these requirements		3	0	3
	Total	Total	15	2	13