



Maldives National Skills Development Authority



National Competency Standard for Fats and Oil Processing

Standard Code: FNA-09L3-V1-24

Qualification Name: National Certificate III in Fats and Oil Processing

FOREWORD

The pivotal role of the Maldives National Skills Development Authority (MNSDA) in meticulously implementing and expanding Technical and Vocational Education & Training (TVET) exemplifies the steadfast commitment of the Maldives to build a skilled and resilient workforce. This commitment is evident from the strategic formulation of National Standards and the establishment of a comprehensive framework for training and certification.

Under the Higher Education and Training Act 7/2021, the MNSDA assumes an instrumental role, reflecting the government's unwavering dedication to streamlining TVET policies and procedures. This includes the establishment of a robust system for accrediting and registering both Institution Based Training (IBT) and Employer Based Training (EBT) providers. The MNSDA's active involvement in conducting the National Apprenticeship Program (NAP), National Trade Testing and Certification (NTTC), and the issuance of National Certificates reflects a comprehensive approach to ensure elevated quality standards and competency within the workforce.

The National Competency Standards (NCS) revised through the Maldives Enhancing Employability and Resilience of Youth (MEERY) project accentuates the commitment to updating and sustaining contemporary skill sets aligned precisely with industry demands. Deliberate efforts to revise existing NCS, coupled with the development of curriculum, teaching materials, resource books, and logbooks, attest to our dedication to ensuring the ongoing relevance and currency of the TVET system in the Maldives.

The active engagement of Technical Panels and Employment Sector Councils in the NCS development and approval process, coupled with alignment to the Maldives National Qualification Framework (MNQF) and accreditation by the Maldives Qualifications Authority (MQA), certifies that the TVET system not only remains highly responsive but also ensures the quality standards demanded by industries. This approach enables the system to effectively meet the diverse needs of industries and adapt to the evolving economic landscape.


The collaborative development of the National Certificate III in Fats and Oil Processing by the MNSDA, MEERY, and the Maldives Institute of Technology exemplifies the practical implementation of TVET initiatives. This training package represents a critical stride towards addressing the requisite skills while fostering opportunities to integrate sustainable economic development within the TVET framework.



Dr. Zahra Mohamed

Chief Executive Officer

Maldives National Skills Development Authority

EMPLOYMENT SECTOR COUNCILS			
#	Name	Designation	Organisation
01	Dr.Hussain Sinan	Director	Ministry of Fisheries and Ocean Resources
02	Ali Amir	Director	Ministry of Agriculture and Animal Welfare
03	Musthafa Abdul Gafoor	Senior Policy Officer	Ministry of Economic Development & Trade
04	Mifrah Naseem	General Manager- Sales and Marketing	MIFCO
05	Dr. Ahmed Riyaz Jauharee	Dean	College of Fisheries and Ocean Sciences, Maldives National University
06	Adnan Ali	Industry Expert	-
07	Maizan Ahmed Manik	Industry Expert	-
08	Aishath Shazleena	HR Manager	Agro National Corporation Ltd (AgroNat)
09	Shakeeba Ali	Director General	Maldives National Skills Development Authority
National Occupational Standard has been endorsed by:			
 Dr. Ahmed Riyaz Jauharee Chairperson Fisheries and Agriculture Sector Council			
Maldives National Skills Development Authority Umar Zahir Office Building, 5th Floor, Orchidmaa Hingun, HulhuMale' , Republic of Maldives			
Date of Endorsement: 27.08.2024			

TECHNICAL SUPPORT			
#	Name	Designation	Organisation
01			
02			

TECHNICAL PANEL MEMBERS			
#	Name	Designation	Organisation
01	Fathimath Nuzla	Food Quality Assurance Coordinator	Maldives Food and Drug Authority
02	Mishaal Ahmed	Head of Quality Control	MIFCO
03	Maumoon Abdul Latheef	Industry Expert	
04	Hussain Faisal	Director General	Ministry of Agriculture and Animal Welfare

VERSION	DEVELOPER	DATE	STANDARD CODE
V1	Maldives Institute of Technology	29/05/2024	FNA-09L3-V1-24

Standard Development Process

The development of the “National Certificate III in Fats and Oil Processing” Standard involved a comprehensive study of Fats and Oil Processing occupations in Maldivian workplaces, with a focus on related enterprises. Job descriptions and international occupational trends were analysed to draft an initial Occupational Standard. This draft will undergo further refinement through a Technical Panel (TP) from Maldivian workplaces, ensuring incorporation of competencies and edits. The TP will provide technical input, suggesting changes to the standard, until a final draft is agreed upon. The approved Final Draft will then be submitted to the Fisheries & Agriculture Employment Sector Council for endorsement and validation. A brief report detailing the compilation process will accompany the Standard for the Council's review, and any recommended changes will be addressed before final endorsement.

With the endorsement from the Fisheries & Agriculture Employment Sector Council, the finalised National Occupational Standard for Fats and Oil Processing will be submitted to the Maldives Qualification Authority (MQA) for final approval. Upon receiving MQA approval, the standard will be officially published on the Maldives National Skills Development Authority (MNSDA) website. This publication will enable training providers in the Maldives to utilise the standard for delivering the Fats and Oil Processing program, ensuring its widespread implementation across the country

Description of “Fats and Oil Processing”

The National Certificate Level-3 in Fats and Oil Processing is designed to equip individuals with the comprehensive skills and knowledge required for a career in the fats and oils processing industry in the Maldives. This course provides a thorough understanding of the entire fats and oils processing value chain, from extraction and refining to quality control, product development, and regulatory compliance.

Upon successful completion, graduates will be equipped with the expertise to excel in various roles within the fats and oils industry

Proposed Qualification Titles

Following are the recommended titles by the selected internal expert team of MIT for the National Certificate III in Fats and Oil Processing.

1. Nil-

Job opportunities upon completion of “National Certificate III in Fats and Oil Processing”

Upon successful completion of the National Certificate III in Fats and Oil Processing, students can work in the following jobs.

1. *Assistant Quality Control Officer*
2. *Assistant Production Technician*

KEY FOR CODING

Coding Competency Standards and Related Materials

DESCRIPTION	REPRESENTED BY
Industry Sector as per ESC (Three letters)	Construction Sector (CON) Fisheries and Agriculture (FNA) Information, Communication and Technology (ICT) Transport Sector (TRN) Tourism Sector(TOU) Social Sector (SOC) Foundation (FOU)
Standard Number - Occupation with in an industry sector	Two digits 01-99
Common Competency	CM
Core Competency	CC
Unit Number - Occupation within a Standard	Three digits 01-99
MNQF level of qualification	L1, L2, L3, L4 etc.
Version Number	V1, V2 etc.
Separator	-
Year of Last Review of standard, qualification	Two digits responding to the year of last review, example 23 for the year 2023
Qualification Code	Refers to Standard code in cover page

1. Endorsement Application for Qualification 01		
2. NATIONAL CERTIFICATE III IN FATS AND OIL PROCESSING		
3. Qualification code: FNA-09L3-V1-24		Total Number of Credits: 62
4. Purpose of the qualification The purpose of the National Certificate Level 3 in Fats and Oil Processing is to provide individuals with comprehensive knowledge and practical skills required for a successful career in the fats and oils processing industry. This qualification aims to equip learners with expertise in various aspects of fats and oils processing.		
5. Regulations for the qualification		National Certificate III in the occupation of Fats and Oil Processing will be awarded to those who are competent in units 1+2+3+4+5+6+7+8+9+10+11+12+13+14+15+16
6. Schedule of Units		
Unit No.	Unit Title	Code
Common Competencies		
01	Apply occupational health and safety requirements	FNA-01-CM01-V2-24
02	Apply work ethics and optimise professionalism	FNA-01-CM02-V2-24
03	Practice effective workplace communication	FNA-01-CM03-V2-24
04	Perform computer operations	FNA-01-CM04-V2-24
05	Respond to emergency situations	FNA-02-CM05-V1-24
Core Competencies		
06	Understand HACCP-based food safety plan	FNA-09-CC01-V1-24
07	Understand and implement GMP and GHP	FNA-09-CC02-V1-24
08	Understand basics of fats and oil processing	FNA-09-CC03-V1-24
09	Apply safety and hygiene practices in fats and oils processing	FNA-09-CC04-V1-24
10	Operate fats and oils processing equipment	FNA-09-CC05-V1-24
11	Utilise by-products in fats and oil processing	FNA-09-CC06-V1-24
12	Extract and refine fats and oils	FNA-09-CC07-V1-24
13	Utilise chemical processes in fats and oils modification	FNA-09-CC08-V1-24
14	Analyse quality and composition of fats and oils	FNA-09-CC09-V1-24
15	Apply knowledge of nutritional aspects of fats and oils	FNA-09-CC10-V1-24
16	Implement environmental and waste management practices	FNA-09-CC11-V1-24
7. Accreditation requirements		The training provider should have a workshop or similar training facility to provide the trainees the

	hands-on experience related to this qualification and related hours of industrial experience.
8. Recommended sequencing of units	As appearing under the section 06

Unit Details

Unit No.	Unit Title	Code	Level	No. of credits	Credit hours	Contact hours
01	Apply occupational health and safety requirements	FNA-01-CM01-V2-24	III	04	40	20
02	Apply work ethics and optimise professionalism	FNA-01-CM02-V2-24	III	03	30	15
03	Practice effective workplace communication	FNA-01-CM03-V2-24	III	03	30	15
04	Perform computer operations	FNA-01-CM04-V2-24	III	03	30	15
05	Respond to emergency situations	FNA-02-CM05-V1-24	III	05	50	25
06	Understand HACCP-based food safety plan	FNA-09-CC01-V1-24	IV	06	60	30
07	Understand and implement GMP and GHP	FNA-09-CC02-V1-24	IV	07	70	35
08	Understand basics of fats and oil processing	FNA-09-CC03-V1-24	III	03	30	15
09	Apply safety and hygiene practices in fats and oils processing	FNA-09-CC04-V1-24	III	02	20	10
10	Operate fats and oils processing equipment	FNA-09-CC05-V1-24	III	04	40	20
11	Utilise by-products in fats and oil processing	FNA-09-CC06-V1-24	III	03	30	15
12	Extract and refine fats and oils	FNA-09-CC07-V1-24	III	05	50	25
13	Utilise chemical processes in fats and oils modification	FNA-09-CC08-V1-24	III	04	40	20
14	Analyse quality and composition of fats and oils	FNA-09-CC09-V1-24	III	04	40	20
15	Apply knowledge of nutritional aspects of fats and oils	FNA-09-CC10-V1-24	III	03	30	15
16	Implement environmental and waste management practices	FNA-09-CC11-V1-24	III	03	30	15
Total				62	620	310

Packaging of National Qualifications:

National Certificate III in Fats and Oil Processing will be awarded to those who are competent in units 1+2+3+4+5+6+7+8+9+10+11+12+13+14+15+16

Qualification Code: FNA-09L3-V1-24

COMPETENCY BASED ASSESSMENT

The final assessment of the National Competency-Based Programmes conducted by the Maldives National Skills Development Authority (MNSDA) is a competency-based assessment.

The Competency-Based Assessment ensures that the students' performance meets the requirements specified in the National Competency Standards (NCS). This assessment approach is designed to verify that graduates are job-ready and meet established occupational competency requirements within their respective fields.

Eligibility for Final Assessment

To be eligible for the final Competency-Based Assessment, students must fulfil the following conditions:

- achieve a **minimum of 80%** attendance
- deemed competent in each of the units of the programme in the pre-assessment

Competency-Based Assessment Process

Upon submission of the Pre-assessment report by the training provider, MNSDA will check for all the necessary supporting documents and conduct Competency-Based Assessment through a National Assessor registered with MNSDA. It is important to note that any trainer involved in the training process is **not permitted** to conduct the assessment to maintain impartiality and integrity of the process.

The final Competency-Based Assessment conducted by MNSDA includes both:

- **Theory:** Evaluating students' knowledge and understanding of key theoretical aspects of the competency.
- **Practical:** Assessing hands-on skills and application of knowledge in real-world or simulated environments.

Once the assessment is completed, the National Assessor will send the Competency-Based Assessment Report to MNSDA.

Competency Status Requirement

For certification to be granted, the student must be officially declared "**Competent**" in each of the units of the programme by the National Assessor.

Conclusion

Competency-Based Assessment is a critical component in ensuring the quality and credibility of technical and vocational skills-based training. By adhering to the outlined procedure, MNSDA upholds the standards required to certify students who are fully prepared to meet industry demands.