هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

2023
TPG-150
L7

Consistency with National Qualifications Framework
(Level 7 - Master's Degree or Equivalent).

Institution: **Imam Mohammad Ibn Saud Islamic University**
College/Institute: **Science**
Qualification awarded (according to Graduation Certificate): **Master of Science in Mathematics**

The NQF-KSA constitutes a comprehensive and uniform structure for building, organizing, and categorizing qualifications into levels based on learning outcomes. Furthermore, it is a functional tool to bridge recognized national or international qualifications; (Educational and Training), with the levels of the National Qualifications Framework in Saudi Arabia.
For further information, refer to the (National Qualifications Framework).

A. Qualification Details:

Institution:	**Imam Mohammad Ibn Saud Islamic University**	
College/Institute:	**Science**	
Program Qualification (according to the Graduation Certificate)	**Master of Science in Mathematics**	
Qualification Name	☐ Master's degree with a thesis or project ☒ **Master's in course system** ☐ Professional Doctorate ☐ Professional Master ☐ Professional bachelor's degree	☐ Equivalent: (specify)
Area of specialization (According to Saudi Standard Classification of Educational Levels and Specializations)	**Natural Science, Mathematics, and Statistics**	
Qualification Type	☒ **Academic** ☐ Applied ☐ Vocational ☐ Technical	
Qualifications Types by Dominoes:	☒ **Primary Qualification** ☐ Additional Qualification	
Major track/pathway (if any)	**1**	

(*) "Or equivalent" means qualifications that are equivalent to qualifications in terms of **level**, may have the same name, but their type varies (academic - research - professional - applied technology) or have another name, but they meet the requirements of the **level**.

B. Early Exit Points for Educational and Training Programs:

Intermediate Exit Point	☒ **Available**	☐ Unavailable
Description of the Early Exit Point in the Program	**30 credit hours awarded from the main program**	
The Level of the Awarded Qualification	**Level Six**	
Qualification Awarded at the Exit Point (According to Graduation Certificate)	**Higher Diploma in Mathematics**	

Early Exit Points :*Qualifications that mediate long-term educational or training programs, obtained by the learner or trainee from an awarding body if he or she achieves the target learning outcomes and the qualification placements required for a specific level. This awarded qualification does not correspond to the program's initial qualification it offers.*

C. General Requirements for Qualification Placement

1. Official Approval		
The awarding institution granted official approval from the relevant education or training authority.	☒ **Applicable**	☐ Not applicable
Program Approval		
2. Stakeholder Engagement		
The qualified programs are designed and reviewed with the participation of Stakeholders, employers, and field experts.	☒ **Applicable**	☐ Not applicable
3. Qualification Objectives		
PG1. Developing the student's abilities and potentials to enhance their mathematical skills. **PG2. Providing the students with appropriate skills to become independent learners and be experienced in doing scientific research.** **PG3. Providing a strong package of professional skills to assure good integration in careers that uses mathematics and to contribute to economic and social developments of Saudi Arabia.** **PG4. Enhancing the student's scientific background, to continue graduate studies in the Ph.D. at national or international universities.**		
4. Qualification Title	**Master of Science in Mathematics**	

5. Qualification Components:			
Item	**Requirements according to NQF**	**Program**	**Level of Compliance (to be completed by NCAAA Consultant)**
Minimum credit hours (units) required	**Completion of a minimum of (180) credit hours (units) in higher education for Professional bachelor's degree or equivalent. or a minimum of (30) credit hours (units) for Master's or Professional Doctorate or equivalent. Completion of a minimum of (24) credit hours (units) of coursework in addition to at least (6) credit hours (units) for thesis for an academic Master's degree;**	**51 credit hours**	☒ **The program meets the minimum of credit hours required.**
Program duration (Minimum number of years)	**- The study duration to obtain the qualification requires six (6) years or more of full-time studying or its equivalent.** **-The study duration to obtain the qualification is at least two academic years.**	**2 years**	☒ **The program meets the minimum duration required in years.**

Minimum Actual (contact) hours	2700 contact hours for Professional bachelor's degree or equivalent. 450 contact hours for Master's or equivalent, and for Professional Doctorate or Equivalent. 360 contact hours for Master's degree or equivalent with a thesis or project.	708 contact hours	☒ The program meets the minimum actual (contact) hours required.
Enrollment conditions (According to NQF)	- Obtaining a Secondary education qualification or equivalent. - Obtain a bachelor's degree or equivalent.	Same conditions plus 400 score TOEFL or equivalent	☒ The Program meets the minimum requirements for students' enrolment at level 4 qualification.

6. Learning Outcomes Assessment:

1. Learning Outcomes

Code	Program Learning Outcomes (PLOs)	NQF Level Descriptors of Learning Outcomes – Level 7
1	Knowledge and understanding	
1.1	Demonstrate a solid understanding of advanced topics in Mathematics.	• In depth and specialized body of knowledge and understanding covering theories, principles, and concepts in main areas of a discipline, profession, or field of work. • Critical knowledge and understanding of processes, materials, techniques, practices, conventions, and/or terminology relevant to a certain discipline, profession, or field of work.
1.2	Outline the areas of specialization through studying specific topics relevant to research in mathematics.	• Advanced knowledge and understanding of recent developments in one or more disciplines, areas of practice, or professions. • Advanced knowledge and understanding of a range of established and specialized research and/or inquiry techniques of in a discipline, profession, or field of work.
2	Skills	
2.1	Apply advanced mathematical knowledge to analyze problems and develop innovative solutions.	• Apply specialized theories, principles, and concepts in advanced contexts in a discipline, profession, or field of work. • Conduct advanced research or professional projects using specialized research and enquiry methodologies in a discipline, profession, or field of work. • Carry out various complex practical tasks and procedures related to a discipline, professional practice, or field of work. • Use advanced and specialized processes, techniques, tools, instruments, and/or materials

Code	Program Learning Outcomes (PLOs)	NQF Level Descriptors of Learning Outcomes – Level 7
		to deal with complex and advanced practical activities.
2.2	Develop critical skills with regard to literature searching, appraising and evaluating from a variety of sources and synthesizing the results.	• Solve problems in complex and advanced contexts in a discipline, profession, or field of work. • Critically assess, review, and reflect on key concepts, principles, and theories; and provide creative solutions to current issues and problems in complex and advanced contexts, in a discipline, profession, or field of work.
2.3	Communicate in a clear and concise manner orally, on paper and using IT.	Communicate in various forms to disseminate knowledge, skills, research results, and innovations related to a discipline or filed of work to specialist and non-specialist audiences.
2.4	Make efficient use of computer for acquiring, analyzing and presenting information.	• Select, use, and adapt advanced digital technological and ICT tools and applications to process and analyze a variety of data and information sets to support and advance leading research and/or projects related to a discipline, professional practice, or field of work. • Process data and information quantitatively and/or qualitatively in complex and advanced contexts related to a discipline, professional practice, or field of work.
3	Values, Autonomy and Responsibility	
3.1	Demonstrate integrity, professional and academic ethics, participation in finding constructive solutions to some societal issues, and a commitment to responsible citizenship.	Demonstrate integrity and professional and academic values when dealing with various issues.
3.2	Self-evaluate of the level of learning and performance, insist on achievement and excellence, and make logical decisions supported by evidence and arguments independently.	• Initiate professional planning for learning and/or work, professional development, monitor learning and performance, and participate in academic and/or professional strategic decisions, with high autonomy. • Effectively manage specialized tasks and activities in a discipline, work, or field of practice with high autonomy.
3.3	Lead teamwork with functional flexibility and effectiveness, and take responsibility for professional development, participating in developing the group's performance, and enhancing the quality of life.	• Effectively collaborate and participate in research or professional projects or groups, undertake leadership roles, and take high responsibility of the work. • Contribute to fostering community quality life.

2. Learning Outcomes Assessment		
Transparent and measurable evaluation criteria are implemented to ensure that Learning Outcomes have been achieved in the academic/training programs.	☒Available	☐Unavailable
Leaning Outcomes Assessment Plan		