



## 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 Physics**

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:

<b>Institution:</b>	<b>Imam Mohammad Ibn Saud Islamic University</b>	
<b>College/Institute:</b>	<b>Science</b>	
<b>Program Qualification</b> (according to the Graduation Certificate)	Master of Science in Physics	
<b>Qualification Name</b>	<input checked="" type="checkbox"/> <b>Master's degree with a thesis or project</b> <input type="checkbox"/> Master's in course system <input type="checkbox"/> Professional Doctorate <input type="checkbox"/> Professional Master <input type="checkbox"/> Professional bachelor's degree	<input type="checkbox"/> Equivalent: (specify)
<b>Area of specialization</b> (According to Saudi Standard Classification of Educational Levels and Specializations)	<b>Natural Sciences, Mathematics and Statistics</b>	
<b>Qualification Type</b>	<input checked="" type="checkbox"/> <b>Academic</b> <input type="checkbox"/> Applied <input type="checkbox"/> Vocational <input type="checkbox"/> Technical	
<b>Qualifications Types by Dominoes:</b>	<input checked="" type="checkbox"/> Primary Qualification <input type="checkbox"/> Additional Qualification	
<b>Major track/pathway</b> (if any)	<b>N.A.</b>	

(\*) "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:

<b>Intermediate Exit Point</b>	<input checked="" type="checkbox"/> <b>Available</b>	<input type="checkbox"/> Unavailable
<b>Description of the Early Exit Point in the Program</b>	<b>30 credit hours awarded from the main program.</b>	
<b>The Level of the Awarded Qualification</b>	<b>Level Six</b>	
<b>Qualification Awarded at the Exit Point</b> (According to Graduation Certificate)	<b>High diploma of Science in Physics</b>	

**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.		<input checked="" type="checkbox"/> <b>Applicable</b>	<input type="checkbox"/> Not applicable
<a href="https://drive.google.com/drive/folders/1KLoPlr9nMQluXOb7YNk9eTbkGHoxY2Z?usp=sharing">https://drive.google.com/drive/folders/1KLoPlr9nMQluXOb7YNk9eTbkGHoxY2Z?usp=sharing</a>			
2. Stakeholder Engagement			
The qualified programs are designed and reviewed with the participation of Stakeholders, employers and field experts.		<input checked="" type="checkbox"/> <b>Applicable</b>	<input type="checkbox"/> Not applicable
3. Qualification Objectives			
<ul style="list-style-type: none"> <li>Advanced knowledge and skills to teach and practice different fields of physics.</li> <li>Enhance the ability of the graduates to become independent learners and conduct independent research in physics.</li> <li>A solid foundation for Ph.D. studies, continuing education, and life-long professional development in physics and related fields, which contributes to economic and social development.</li> </ul>			
4. Qualification Title		Master of Science in Physics	
5. Qualification Components:			
Item	Requirements according to NQF	Program	Level of Compliance (to be completed by NCAA 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	<input checked="" type="checkbox"/> 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	2 years	<input checked="" type="checkbox"/> The program meets the minimum duration required in years.





	to obtain the qualification is at least two academic 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.	372 contact hours	<input checked="" type="checkbox"/> 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 with a GPA equal or equivalent to 3.75 out of 5.	<input checked="" type="checkbox"/> 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 6
<b>1</b>	<b>Knowledge and understanding</b>	
1.1	Recognize an advanced and specialized structure of knowledge that includes theories, principles and concepts in the areas of physics.	<ul style="list-style-type: none"> <li>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.</li> <li>Advanced knowledge and understanding of recent developments in one or more disciplines, areas of practice, or professions.</li> </ul>
1.2	Describe applications of advanced laboratory techniques, numerical techniques and physics development in industry.	Critical knowledge and understanding of processes, materials, techniques, practices, conventions, and/or terminology relevant to a certain discipline, profession, or field of work.
1.3	Outline methods that lead students to make research and development.	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.
<b>2</b>	<b>Skills</b>	
2.1	Apply the advanced concepts, principles and theories involved in addressing issues and problems in a range of different contexts.	<ul style="list-style-type: none"> <li>Apply specialized theories, principles, and concepts in advanced contexts in a discipline, profession, or field of work.</li> <li>Use advanced and specialized processes, techniques, tools, instruments, and/or materials to deal with complex and advanced practical activities.</li> </ul>



Code	Program Learning Outcomes (PLOs)	NQF Level Descriptors of Learning Outcomes – Level 6
		<ul style="list-style-type: none"> <li>Solve problems in complex and advanced contexts in a discipline, profession, or field of work.</li> </ul>
2.2	Evaluate knowledge and use it to provide innovative solutions to contemporary issues and problems in physics.	<ul style="list-style-type: none"> <li>Carry out complex and advanced practical tasks and procedures in specialized areas related to discipline, professional practice, or field of work.</li> <li>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.</li> </ul>
2.3	Communicate in different ways demonstrating an understanding of theoretical knowledge, transferring knowledge and specialized skills, and sharing ideas within a variety of audience.	Communicate in various forms to disseminate knowledge, skills, research results, and innovations related to a discipline or field of work to specialist and non-specialist audiences.
2.4	Choose and use a variety of digital technology, information, communication technology tools, to process, analyze and produce data and information; to support and promote specialized research and projects.	<ul style="list-style-type: none"> <li>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.</li> <li>Process data and information quantitatively and/or qualitatively in complex and advanced contexts related to a discipline, professional practice, or field of work</li> </ul>
<b>3</b>	<b>Values, Autonomy and Responsibility</b>	
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.	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.	<ul style="list-style-type: none"> <li>Effectively collaborate and participate in research or professional projects or groups, undertake leadership roles, and take high responsibility of the work,</li> <li>Contribute to the fostering community quality life.</li> </ul>

## 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

Hyperlink

<https://drive.google.com/drive/folders/1rWawF9jfoCI9oPDGwOUHwMa4WyXvifTa?usp=sharing>

