



Mutah University
College of Graduate Studies

Master's Degree in (Physics) Comprehensive Track

Comprehensive Track: The total credit hours required for graduation are 33 credit hours, distributed as follows:

A: - Specialization Requirements Compulsory Credit Hours (24)	Course Code	Course Title	Credit Hours	Prerequisite
	0302714	Classical Mechanics	3	
	0302734	Electrodynamics	3	
	0302751	Quantum Mechanics (1)	3	
	0302762	Statistical Mechanics	3	
	0302771	Solid State Physics	3	
	0302792	Mathematical Physics	3	
	0302744	Atomic and Molecular Physics	3	
	0302752	Quantum Mechanics (2)	3	

B: - Elective Major Requirements Credit Hours (9)	Course Code	Course Title	Credit Hours	Prerequisite
	0302742	Nuclear Physics	3	
	0302745	Plasma Physics	3	
	0302754	Quantum Field Theory	3	
	0302756	Many-Particle Physics	3	
	0302793	Special Topics (1)	3	

C: - College Compulsory	Course Code	Course Title	Credit Hours	Prerequisite
	Continuous Registration	0	
	0302708	Comprehensive Exam	0	