



Mutah University  
College of Graduate Studies

## Master's Degree in (Physics) Thesis Track

**Thesis Track: The number of credit hours for graduation is 33 hours, distributed as follows:**

	Course Code	Course Title	Credit Hours	Prerequisite
<b>A: - Specialization Requirements Compulsory Credit Hours (15)</b>	0302714	Classical Mechanics	3	
	0302734	Electrodynamics	3	
	0302751	Quantum Mechanics (1)	3	
	0302762	Statistical Mechanics	3	
	0302792	Mathematical Physics	3	

	Course Code	Course Title	Credit Hours	Prerequisite
<b>B: - Elective Major Requirements Credit Hours (9)</b>	0302742	Nuclear Physics	3	
	0302744	Atomic and Molecular Physics	3	
	0302745	Plasma Physics	3	
	0302752	Quantum Mechanics (2)	3	
	0302754	Quantum Field Theory	3	
	0302756	Many-Particle Physics	3	
	0302771	Solid State Physics	3	
	0302593	Special Topics (1)	3	

- Thesis Preparation (0302705): Equivalent to (9) credit hours, provided the student successfully passes the defence examination.
- The Dean, based on the recommendation of the Department Committee and the College Committee, may assign the student remedial courses not exceeding (9) credit hours. This must be documented in the admission letter, and the student is required to complete them during the first year.