



Mutah University
College of Graduate Studies

**Master's Degree in Pharmaceutical Sciences
Thesis Track**

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

A: - Specialization Requirements Compulsory Credit Hours (15)	Course Code	Course Title	Credit Hours	Prerequisite
	1701709	Advanced drug delivery systems	3	
	1701711	Advanced Biopharmaceutics and Pharmacokinetics	2	
	1702712	Advanced biostatistics	1	
	1703701	Advanced pharmaceutical organic chemistry	3	
	1703702	Advanced research methodology	2	
	1703703	Seminar	1	
	1703704	Advanced methods in drug analysis and diagnosis	3	

B: - Elective Major Requirements Credit Hours (9)	Course Code	Course Title	Credit Hours	Prerequisite
	1701713	Advanced physical pharmacy	3	
	1701714	Advanced pharmaceutical biotechnology	3	
	1701717	Advanced pharmaceutical microbiology	3	
	1701718	Research project in pharmaceutical sciences	3	
	1701719	Advanced Pharmaceutical Technology	3	
	1701720	Advanced pharmaceutical quality assurance and control	3	
	1702710	Advanced Clinical Pharmacology and Therapeutics	3	
	1702721	Advanced phytotherapy	3	
	1702723	Advanced cancer biology	3	
	1703715	Advanced methods in drug discovery	3	
	1703716	Advanced Medicinal Chemistry	3	
	1703722	Advanced Natural Products Chemistry	3	

- Thesis Preparation (Thesis Code): 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.