



Mutah University
College of Graduate Studies
Master's Degree in Chemistry
Comprehensive Track

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

A: - Specialization Requirements Compulsory Credit Hours (21)	Course Code	Course Title	Credit Hours	Prerequisite
	0303711	Analytical Separation Techniques	3	
	0303721	Chemical Application of Group Theory	3	
	0303723	Advanced Bioinorganic Chemistry	3	
	0303731	Organic Chemistry (Structure & Mechanism)	3	
	0303741	Spectroscopy and Molecular Structure	3	
	0303742	Quantum Chemistry	3	
	0303743	Chemical Kinetics	3	

B: - Elective Major Requirements Credit Hours (12)	Course Code	Course Title	Credit Hours	Prerequisite
	0303712	Electro analytical Chemistry	3	
	0303722	Advanced Inorganic Chemistry	3	
	0303732	Chemistry of Heterocyclic Compounds	3	
	0303733	Synthesis and Reactions of Organic Compounds	3	
	0303751	Polymer Chemistry	3	
	0303744	Statistical Thermodynamics	3	
	0303752	Polymer Physical Chemistry	3	
	0303701	Special Topics in Organic Chemistry	3	
	0303702	Special Topics in Physical Chemistry	3	
	0303703	Special Topics in Inorganic Chemistry	3	
0303704	Special Topics in Analytical Chemistry	3		

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