UIC **Department of Chemical Engineering**

PROPOSED COURSES FOR M.S. OR PH.D.

Name of Student _____

Name of Advisor _____ **Date of Submission** _____

❒ **Ph.D. Thesis** ❒ **M.S Thesis** ❒ **M.S. Project** ❒ **M.S. Course Only**

COURSE NO.	**TITLE**	**UIC sem. hrs.**	**Transfer sem. hrs**	
Required Courses				prior deg.
❒ ChE 410	Transport Phenomena	_____	_____	❒
❒ Che 527	Advanced Chemical Reaction Engineering	_____	_____	❒
❒ Che 431	Numerical Methods in Chemical Engineering	_____	_____	❒
or				
❒ Che 445	Mathematical Methods in Chemical Engineering	_____	_____	❒
❒ Che 501	Advanced Thermodynamics	_____	_____	❒
or				
❒ Che 502	Fluid Phase Equilibria	_____	_____	❒
❒ Che 510	Separation Processes	_____	_____	❒
or				
❒ Che 511	Advanced Mass Transfer	_____	_____	❒
or				
❒ Che 512	Microhydrodynamics	_____	_____	❒
Math Courses				
❒	_____	_____	_____	❒
❒	_____	_____	_____	❒
Elective Courses				
❒ ChE 413	Introduction to Flow in Porous Media	_____	_____	
❒ Che 421	Combustion Engineering	_____	_____	
❒ Che 422	Biochemical Engineering	_____	_____	
❒ Che 423	Catalytic Reaction Engineering	_____	_____	
❒ Che 425	Nanotechnology for Pharmaceutical Applications	_____	_____	
❒ Che 433	Process Simulation With Aspen Plus	_____	_____	
❒ Che 438	Computational Molecular Modeling	_____	_____	
❒ Che 440	Non-Newtonian Fluids	_____	_____	
❒ Che 441	Computer Applications in Chemical Engineering	_____	_____	
❒ Che 450	Air Pollution Engineering	_____	_____	
	Subtotal	_____		

		Subtotal	✍ _____	
❒	Che 456	Fundamentals & Design of Microelectronics Processes	✍_____	_____
❒	Che 503	Thermodynamics of Multicomponent Mixtures	✍_____	_____
❒	Che 505	Advanced Statistical Thermodynamics	✍_____	_____
❒	Che 514	Biotransport	✍_____	_____
❒	Che 524	Characterization Techniques in Catalysis	✍_____	_____
❒	Che 530	Gas Kinetics	✍_____	_____
❒	Che 595	Seminar in Chemical Engineering Research	✍_____	_____
❒	Other	_____	✍_____	_____
❒	Other	_____	✍_____	_____
❒		Prior MS Degree (32 Hours)	✍_____	_____

Research

❒	Che 597	Project Research	✍_____	_____
❒	Che 598	MS Thesis Preparation	✍_____	_____
❒	Che 599	PhD Thesis Preparation	✍_____	_____
		TOTAL	✍_____	

Courses Taken at Other Institutions Proposed for the Degree
(Attach the course titles, equivalent quarter hours, brief descriptions of the courses, and the equivalent University of Illinois courses for which the proposed courses are offered as substitute.)

Signatures

Student: _____

Advisor: _____

❒ Approved

❒ Disapproved

_____
Director of Graduate Studies