

Doctor of Philosophy in Chemistry (Standard Program)

I. REQUIRED SUBJECTS	Units
Graduate Seminars (3 units each from the 300-level seminar courses)	
<b>TOTAL:</b>	<b>6</b>
II. ELECTIVES	
At least 2 subjects from the Department of Chemistry; the remaining 2 subjects may be taken from other School of Science and Engineering Departments with the approval of the Academic Adviser.	
<b>TOTAL:</b>	<b>12</b>
III. LANGUAGE REQUIREMENT	
The student must demonstrate an ability to read scientific papers in modern languages other than English. Proficiency in a computer language other than BASIC will also satisfy this requirement.	
IV. CUMULATIVE EXAMINATION	
V. COMPREHENSIVE EXAM	Units
CH COMPRE 400	Comprehensive Examinations
	0
<b>TOTAL:</b>	<b>0</b>
IV. DISSERTATION WRITING AND ORAL DEFENSE	Units
CH 398.1	Dissertation Proposal
	3
CH 398.2	Original Research Proposal
	0
CH 399	Dissertation Research
	0
CH 400	Dissertation Writing
	0
CH 398.8	Dissertation Seminar
	1
Publication Requirement	0
<b>TOTAL:</b>	<b>16</b>
*The units for the dissertation are credited after the student passes the oral defense and submits the final revised copy of the dissertation.	

SUMMARY

Required Subjects	6 units
Electives	12 units
Language Requirement	0 units
Cumulative Examination	0 units
Comprehensive Exam	0 units
Dissertation Writing and Oral Defense	16 units

Total 34 units