

Doctor of Philosophy in Chemistry: Suggested Study Program for fulltime students with a M.S. but who does not pass the placement exam in their area of specialization (53 credits).

First (1st) Year					
First (1st) Semester			Second (2nd) Semester		
Course Code	Description	Credits	Course Code	Description	Credits
CHEM 6905	Teaching Assistantship	3	CHEM 6906	Teaching Assistantship	3
CHEM 6000	Chemistry Graduate Core Course at the 6000 level	3	CHEM 6000	Chemistry Graduate Core Course at the 6000 level	3
CHEM 6000-8000	Chemistry Elective Course	3	CHEM 8000	Focused Research Seminar	2
CHEM 6000-8000	Chemistry Elective Course	3	CHEM 8999	Graduate Research	2
CHEM 8999	Laboratory Rotations	0	CHEM 8902	Graduate Seminar	1
CHEM 8901	Graduate Seminar	1	Milestone 1: Candidacy Exam		
<i>Total</i>		13	<i>Total</i>		11
Second (2nd) Year					
Third Semester			Fourth Semester		
Course Code	Course Name	Credits	Course Code	Course Name	Credits
CHEM 6905	Teaching Assistantship	3	CHEM 6906	Teaching Assistantship	3
CHEM 8000	Scientific Writing	3	CHEM 8000	Focused Research Seminar	2
CHEM 8000	Focused Research Seminar	2	CHEM 8999	Graduate Research	3
CHEM 8999	Graduate Research	1	Milestone 2: Thesis Research Proposal		
<i>Total</i>		6/9	<i>Total</i>		5/8
Third Year					
CHEM 6905	Teaching Assistantship	3	CHEM 6906	Teaching Assistantship	3
CHEM 8000	Focused Research Seminar	2	CHEM 8000	Focused Research Seminar	2
CHEM 8999	Graduate Research	6	CHEM 8999	Graduate Research	6
Milestone 3: Research Seminar Presentation			Milestone 4: Original Research Proposal		
<i>Total</i>		8/11	<i>Total</i>		8/11
Fourth Year and Beyond					
Seventh Semester			Eight Semester		
Course Code	Course Name	Credits	Course Code	Course Name	Credits
CHEM 6905	Teaching Assistantship	3	CHEM 6906	Teaching Assistantship	3
CHEM 8895	Dissertation Continuation	0	CHEM 8896	Dissertation Continuation	0
CHEM 8000	Focused Research Seminar	2			
<i>Total</i>		2/5	<i>Total</i>		0/3
CHEM 8895/8896: Dissertation Continuation (beyond the fifth year) – 0 credits					
Milestone 5: Thesis Presentation and Defense					