

## Physical Chemistry Division Requirements

### General PhD Requirements

<b>Seminar attendance</b>	P-chem Seminars, Mondays @ 3:00pm Journal Club, Wednesdays @ Noon Atlanta Area Chemical Physics Seminars, 1 <sup>st</sup> Monday each Month @ 8:00pm
<b>2<sup>nd</sup> Year Research Report</b>	Chemistry Requirement (Fall)
<b>2<sup>nd</sup> Year Literature Seminar</b>	Chemistry Requirement (Spring; must have advisor's approval of topic)
<b>4<sup>th</sup> Year Research Proposal</b>	Chemistry Requirement (Written proposal & Oral Defense, for students entering Fall 2004 and beyond)
<b>Annual Research Report</b>	Chemistry Requirement (Written and oral report; oral presentation may be waived at year of independent proposal report)
<b>Cumulative Exam</b>	Chemistry Requirements (must have 6 points in physical chemistry exams (for Fall 2006 entering and beyond)

### Required Coursework:

Year 1 Course	Fall Title	Units	Spring Course	Title	Units
794R	Seminar	1	794R	Seminar	1
CHEM 599R	Research		CHEM 599R	Research	
CHEM 504	Rotations	4	CHEM 532	(Advanced P-chem II) Electronic Structure Theory	4
CHEM 531	Intro to Molecular Quantum Mechanics	4	CHEM 534	Spectroscopy (Advanced P-chem IV)	4
CHEM 533	Thermodynamics, Kinetics and Modeling	4	CHEM 536	(Advanced P-chem V) Statistical Mechanics and Simulation Methods	4
CHEM 535	Physical Methods in Experimental Chemistry	4	CHEM 597R	Library Course	1
	Total			Total	

Year 2 Course	Fall Title	Units	Spring Course	Title	Units
794R	Seminar	1	794R	Seminar	1
CHEM 599R	Research		CHEM 599R	Research	
CHEM 606	Values in Science	1		Additional course	
CHEM 798	Research & Evaluation	4			
	Additional Course Outside Physical chemistry Division	4			
	Total			Total	

Year 3 Course	Fall Title	Units	Spring Course	Title	Units
794R	Seminar	1	794R	Seminar	1
CHEM 799R	Research		CHEM 799R	Research	
	Total			Total	

Year 4 Course	Fall Title	Units	Spring Course	Title	Units
794R	Seminar	1	794R	Seminar	1
CHEM 799R	Research		CHEM 799R	Research	
	Total			Total	

Year 5 Course	Fall Title	Units	Spring Course	Title	Units
794R	Seminar	1	794R	Seminar	1
CHEM 799R	Research		CHEM 799R	Research	
	Total			Total	