

## Course Requirements by Path

Required	Analytical	Chem Biol	Inorganic	Materials	Organic	Physical
<b>Core Course</b>	621	704	608	one of the following: 613, 624, 630, 652, or 653 (hard)	641	661
<b>Core Course</b>	one of the following: 622, 623, 624, 625, 626, 627, 628, or 630	one of the following: 606, 621, 622, 627, 630, or 668,	713	one of the following: 654, 664, or 842 (soft)	841	675
<b>Core Course</b>	one of the following: 622, 623, 624, 625, 626, 627, 628, or 630			one of the following: 613, 624, 630, 652, 653, 654, 664, or 842		one of the following: 664, 665, 668, 762, 763, 775, 777, 860, 864, 872
<b>Core Course</b>						Seminar 960 for 2 credits
<b>Seminar</b>	Seminar 920	Seminar <sup>1</sup>	Seminar 900 <sup>3</sup>	Seminar 920	Seminar 940	Seminar 960 <sup>4</sup>
<b>Group Meeting</b>	964 <sup>2</sup>	964 <sup>2</sup>	964 <sup>2</sup>	964 <sup>2</sup>	964 <sup>2</sup>	964 <sup>2</sup>
<b>Safety Course (Jan 11-15)</b>	607	607	607	607	607	607
<b>Incoming Student Course (Fall)</b>	901	901	901	901	901	901
<b>Minor (9 cr)</b>	satisfy	satisfy	satisfy	satisfy	satisfy	satisfy <sup>5</sup>
<b>Recommended Courses</b>			two of the following: 606, 613, 630, 714, or 801		strongly: 605, 636, 843	
<b>Research</b>	993	998	994	996	990	992
<sup>1</sup> Students should sign up for seminar course from secondary path to which they are more closely aligned.						
<sup>2</sup> Students should sign up for group meeting under the section with their advisor.						
<sup>3</sup> Fall and spring semesters of the first two years, the incoming graduate students are required to read 2 journal articles, submit 5 questions, and write a 3-4 page paper about the research of a designated seminar speaker.						
<sup>4</sup> Take for 2 credits in spring of first year. Other semsters take for 0 credits.						
<sup>5</sup> Students can count one of the core courses for their minor requirement (P-chem only).						