

## CCB - Organic Chemistry, PhD Degree Requirements &amp; Recommended Timeline

	YEAR 1		YEAR 2		YEARS 3-5
	Fall (12 units)	Spring (12 units)	Fall (12 units)	Spring (12 units)	
<b>CORE COURSES</b>	<b>CHEM 200 (3 units)</b> <i>Advanced Organic Synthesis</i>	<b>CHEM 201 (3 units)</b> <i>Org. &amp; Organometallic Reaction Mechanics</i>			
<b>ELECTIVES</b>	<b>Grad Elective (3-4 units)</b> <i>to be approved by Educational Policy Committee</i>	<b>Grad Elective (3-4 units)</b> <i>to be approved by Educational Policy Committee</i>			
<b>SEMINARS</b>	<b>CHEM 291 (1 unit)</b> <i>Chemistry Seminar</i>	<b>CHEM 291 (1 unit)</b> <i>Chemistry Seminar</i>	<b>CHEM 291 (1 unit)</b> <i>Chemistry Seminar</i>	<b>CHEM 291 (1 unit)</b> <i>Chemistry Seminar</i>	
<b>OTHER COURSES</b>	<b>QSB 294 (1 unit)</b> <i>Responsible Conduct of Research</i>				
<b>RESEARCH</b>	<b>CHEM 295 (3-4 units)</b> <i>Graduate Research (1st Lab Rotation)</i>	<b>CHEM 295 (4-5 units)</b> <i>Graduate Research (2nd Lab Rotation)</i>	<b>CHEM 295 (11 units)</b> <i>Graduate Research</i>	<b>CHEM 295 (11 units)</b> <i>Graduate Research</i>	<b>CHEM 295 (12 units)</b> <i>Graduate Research (each semester)</i>
<b>TIMELINE FOR ADDITIONAL REQUIREMENTS</b>	<b>Select Advisor</b> <i>by end of 2nd semester</i>	<b>Assemble Committee</b> <i>by end of 2nd semester</i>	<b>Pass Qualifying Exam</b> <i>may attempt 2 times, must pass by end of 2nd year</i> <b>Advance to Candidacy</b> <b>Annual Committee Meetings</b>		
	<b>TA Assignment</b> <i>must serve at least one semester</i>				
	<b>Pass Preliminary Exam (offered twice annually)</b> <i>may attempt 4 times, must pass by start of 4th semester</i>		<b>Publish peer-reviewed manuscript(s) and/or Present work at scientific conference(s)</b> <i>to be presented at least once per year</i>		<b>Apply for Graduation</b> <b>Pass Dissertation Defense</b> <b>Submit Manuscript</b>