

**Doctoral Degree (Ph.D.) Requirement Flowchart  
CB3**

This guide provides an overview of the necessary steps and requirements towards your Ph.D. Specific requirements/details and the complete set of policies and procedures can be found in the [Graduate Student Handbook](#).

LAB ROTATIONS →	COURSEWORK →	TEACHING REQ →	JOINING A THESIS LAB →	ORAL QUALIFYING EXAM →
<p><b>CHEM 297</b> - Students do (three) seven-week rotations during Fall and Winter Quarters. The purpose of rotations is to provide students with diverse research training in three different laboratories.</p> <p>Rotation Talks - At the end of the first two rotations, short talks are given by the students.</p> <p>Poster Presentation - At the end of the third rotation, there will be a PBSE wide poster session where students will present on their projects from the final rotation.</p> <p>Evaluation - performance in each rotation is graded as satisfactory/unsatisfactory in a narrative evaluation provided by the CB3 Grad Council Chair.</p> <p><a href="#">handbook link</a></p>	<p><b>CHEM 200A, CHEM 271, CHEM 200B</b> for a <a href="#">letter grade</a></p> <p><b>BIOL 289</b> in their second year.</p> <p><b>Electives</b> - a total of 3 graduate level approved electives.</p> <p><b>CHEM 291</b> : Students also enroll in CHEM 291 (weekly research seminars feature visiting researchers) until they advance to candidacy.</p> <p>See handbook section for specifics on letter grade versus S/U (satisfactory/unsatisfactory)</p> <p>Course requirements must be completed in full no later than by the end of the third year.</p> <p><a href="#">handbook link</a></p>	<p>Serve as a TA for a minimum of two quarters prior to advancing to candidacy.</p> <p><b>CHEM 296</b>: All new grad students must complete CHEM 296 in their first Fall Qtr. CHEM 296 is a series of weekly seminars to explore and develop your teaching skills and to prepare you to TA for the department.</p> <p><a href="#">handbook link</a></p>	<p>Lab rotations give both the student and faculty an opportunity to determine whether they can establish a productive collaboration.</p> <p>No specific discussion of thesis laboratory choice is permitted between faculty and student until notification by the CB3 advising committee at the end of Winter Quarter. When notified, students may approach faculty members to discuss the possibility of joining their group.</p> <p><a href="#">handbook link</a></p>	<p>Students must demonstrate an expertise in the area of discipline that has been specified for the exam and be able to produce an acceptable plan for their dissertation.</p> <p>Required by the <b>student's sixth quarter</b>.</p> <ol style="list-style-type: none"> <li>1. Selection of Orals Committee - The student's <u>research advisor will not</u> be a member of this committee. Students have their committee approved by the CB3 advising committee and then send the <a href="#">Committee Nomination for the PhD Qual Exam</a> to the Grad Division for approval.</li> <li>2. Submit a short summary of two research proposals for approval no later than end of fall quarter. One on the student's research and second on research topic not directly related but under general scope of CB3 program.</li> </ol> <p>1-2 paragraphs describing their thesis research and 1-2 paragraphs describing their proposed outside research proposal.</p> <ol style="list-style-type: none"> <li>3. Students schedule their oral exam for Spring Quarter. Proposals due two week prior to exam date. Orals must be completed by May 20.</li> </ol>
THIRD YEAR TALK →	ADVANCE TO CANDIDACY →	THESIS DEFENSE →	FILE THESIS REPORT	<ol style="list-style-type: none"> <li>4. After successfully completing the oral exam, student completes the <a href="#">Dissertation Reading Committee (DRC) form</a> in consultation with their research advisor. The research advisor will be a member of this committee. This form is held in the Department Office until the completion of the third year talk.</li> </ol> <p><a href="#">handbook link</a></p>
<p>Students present a Third-Year Talk in Spring Quarter of their third year in which the topic is based on their dissertation research. Public Seminar - faculty and grad students are invited. The student's DRC attends and meets afterward to evaluate.</p> <p>Student in addition submits a <b>dissertation prospectus</b> one week before the talk.</p> <p><a href="#">handbook link</a></p>	<p>After successfully completing the third year talk, the department <a href="#">will submit a report to the Graduate Division</a> along with the <a href="#">committee nomination for your DRC</a>. Advancement is effective the quarter after the Third Year Talk.</p> <p>Advancing to Candidacy lets the University know that a student is almost ready to graduate.</p> <p><a href="#">handbook link</a></p>	<p>Students are required to give a talk before their final submission on the principal results of their research. This seminar which is open to the public, should be scheduled at least <b>one week prior</b> to submitting the dissertation.</p> <p>Students must submit the doctoral thesis to the DRC for tentative approval at least one month before presenting a defense seminar.</p> <p>Students must also complete and submit the <a href="#">Thesis Seminar Form</a> so the department can schedule and advertise your talk.</p> <p><a href="#">handbook link</a></p>	<p>When the DRC agrees that the research is ready to be submitted, the student writes the dissertation according to the <a href="#">guidelines</a> prescribed by the University Library and the Graduate Division.</p> <p>The dissertation page is signed by all members of the DRC and by the Dean of the Graduate Division. Dissertations may be submitted electronically with the exception of the title page, which must show original signatures in hard copy.</p> <p>All candidates for a degree must submit an <a href="#">Application for Doctor of Philosophy Degree</a> or Application for Master's Degree to the Graduate Studies by the date stated in the Academic and Administrative Calendar for the quarter you wish to receive the degree</p> <p>In some cases it may be advisable for a student in good standing to apply for <a href="#">Filing Fee Status (FFS)</a> instead of registering as a full time student in the final quarter.</p> <p><a href="#">handbook link</a></p>	

\* Graduate Students are expected to enroll in at least 10 units each quarter to maintain full time status. By departmental policy, the standard enrollment load is 15 units each quarter. This can be accomplished by: CHEM 291 (weekly seminar speakers series), Courses, CHEM 274-290 Group Meetings, CHEM 297 (pre ATC research), CHEM 299 Dissertation Research