

# Doctoral Degree (Ph.D.)

COURSEWORK	PRELIM REQUIREMENTS	TEACHING REQUIREMENT	QUALIFYING EXAM	ADVANCE TO CANDIDACY	DISSERTATION TALK	FILE THESIS/ TECH REPORT
<p>MINIMUM 24 UNITS:</p> <ul style="list-style-type: none"> <li>- <b>MAJOR:</b> At least 12 units (200-level courses) with a GPA of 3.5+</li> <li>- <b>INSIDE MINOR:</b> At least six units (at least one 200- level grad course) with a GPA of 3.0+. One or more of these courses may be outside EECS.</li> <li>- <b>Plan 1: OUTSIDE MINOR:</b> At least six units (at least one 200- level grad course) with a GPA of 3.0+. Courses <u>must</u> be outside EECS, with at most one cross-listed with EECS.</li> <li>- <b>Plan 2: ELECTIVES:</b></li> <li>- <i>Outside (not in major or EECS, at least 3 units of a 100+ course with a GPA of 3.0+.</i></li> <li>- <i>Free (any department or area, at least 3 units of a 100+ course with a GPA of 3.0+.</i></li> </ul> <p>ADDITIONAL INFO:</p> <ul style="list-style-type: none"> <li>• All courses must be taken for a letter grade.</li> <li>• Courses in <b>298, 299, 375, and 602</b> do not count.</li> </ul>	<p><b>The preliminary requirements include an oral exam and breadth courses.</b></p> <p><b>ORAL EXAM:</b> Students must demonstrate to a committee of faculty members an integrated grasp of the area's body of knowledge in an unstructured framework. <i>All students must take the exam at the start of their 3<sup>rd</sup> semester.</i></p> <p><b>BREADTH COURSES must:</b></p> <ul style="list-style-type: none"> <li>• be at a graduate or an advanced undergraduate level</li> <li>• be at least three units</li> <li>• be for a letter grade</li> </ul> <p><u>EE students</u> must take two courses in areas different from the oral exam (with A- or better). <u>CS students</u> must take a course in each of the three subject areas passing each (with at least a B+).</p> <p><b>Upon completion</b> of the prelim requirements, students should submit a "<a href="#">Blue Card</a>" to their Staff Graduate Advisor. The blue card is a non-binding document that the staff reviews to ensure your courses satisfy requirements.</p>	<p>All EECS doctoral students must serve as a Graduate Student Instructor (GSI). Students should consult their faculty advisor for the timing of when they GSI.</p> <p><b>REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>• Students must complete a total of 30 hours minimum prior to graduation. (Twenty hours of work per week is equivalent to a 50% GSI appointment for a semester. Ten hours of work per week is equivalent to a 25% GSI appointment for a semester.)</li> <li>• At least 20 hours must be for an EE or CS undergraduate course.</li> <li>• First time GSIs must take a 375 Pedagogy course and attend a teaching conference.</li> </ul>	<p>The Qualifying Exam is a university requirement. Students must demonstrate an expertise in the areas of the discipline that have been specified for the exam, and be able to produce an acceptable plan for their dissertation.</p> <p><b><i>The Qualifying Exam should be taken by the end of a student's third year AND only after the preliminary requirements are fulfilled.</i></b></p> <p>At least four weeks prior to the exam, students should plan to organize their committee and submit their application online through <a href="#">CalCentral</a>. The should also send the following forms to their Staff Graduate Advisor:</p> <ul style="list-style-type: none"> <li>• <a href="#">Departmental Application for the Qualifying Exam</a></li> <li>• "<a href="#">White Card</a>"</li> </ul>	<p>Advancing to candidacy lets the university know that a student is almost ready to graduate. Doctoral students are eligible to advance after successfully passing the Qualifying Exam.</p> <p>To advance to candidacy, students must organize their dissertation committee and submit the application to Advance to Candidacy through <a href="#">Calcentral</a>. A \$90 fee will be charged for the Advancement to Candidacy and appear in <a href="#">Calcentral</a>. (*NSF students are eligible to waive the fee).</p>	<p>Students are expected to give a talk before their final submission on the principal results of their research (this is a departmental graduation requirement). The Dissertation talk must be advertised on the EECS Departmental Calendar at least one week in advance.</p> <p>All students must also complete and submit the <a href="#">Thesis Seminar Form</a>.</p>	<p>Students must file the thesis by the last day of the semester in which they plan to graduate. Detailed instructions are found on the website at the bottom of this page.</p> <p>The most important part of filing is submitting the dissertation to the Grad Division and providing notification to the EECS department staff by email that all department requirements are complete. The staff will validate the student status with the Graduate Division.</p> <p>Students must also upload a copy of the dissertation to the EECS website at <a href="https://buffy.eecs.berkeley.edu/PHP/Anydb/detmixed.php?f_datab ase=deptinfo&amp;f_wor kt able=r_v_gradrpts&amp;stu did=">https://buffy.eecs.berkeley.edu/PHP/Anydb/detmixed.php?f_datab ase=deptinfo&amp;f_wor kt able=r_v_gradrpts&amp;stu did=</a>, and complete the EECS exit survey.</p>