A total of 135 units is required for the Ph.D. Degree. Of these units:

- 48 must include Materials Science and Engineering core and approved technical units including:
  - 30 required MatSci core course units, including MatSci 201-210*^  
  - 15 approved technical units, which are usually substantive engineering courses and directly relevant to Materials Science & Engineering**  
  - 3 units of MatSci 230 – Colloquium (taken in Autumn/Winter/Spring of first-year)
  
^MatSci 206 may be replaced with ME 209.

*All 45 core and technical units MUST be letter graded (A,B,C,D,F - NOT P/NC).

**Research, seminar, teaching, CPT, required EFS courses may NOT be used for the 45 core/technical units, but may be used for the 135 total units needed for Residency.

- 87 are residency units (typically 75-87 research units in MatSci 300)

1. **REQUIRED MatSci Core Courses**^ (30 units)
   
   _____ I completed ALL MatSci Core Courses, or had a petition approved to waive core course(s). Waived courses are crossed-out and replacement courses taken are handwritten beside the waived course.

   MATSCI 201  MATSCI 202  MATSCI 203  MATSCI 204
   MATSCI 205  MATSCI 206  MATSCI 207  MATSCI 208
   MATSCI 209  MATSCI 210

2. **APPROVED Technical Elective Units** (15 units*)

   (Course Number)  (Course Title)
   
   1. ___________ ________________________
   2. ___________ ________________________
   3. ___________ ________________________
   4. ___________ ________________________
   5. ___________ ________________________

_____ I have added my MS Degree via Axess.

_____ I intend to confer my MS Degree in Aut/Win/Spr/Sum (circle one) quarter, 20____ & will participate in commencement in June, 20_____.

_____ I intend to confer my MS Degree in Aut/Win/Spr/Sum (circle one) quarter, 20_____, but will NOT participate in commencement activities.

3. **MATSCI 230 Colloquium** (1 unit x three quarters)
   
   _____ I complete three quarters of the MatSci Colloquium during my first-year for credit. If an EFS course was taken for credit please write the EFS course # in the blank.
   
   Autumn _________  Winter _________  Spring _________
4. TOTAL RESIDENCY UNITS (87 units)
Your research units will very likely equal or exceed 75, so only list other courses IF:
   a. You transferred in units because you obtained an MS degree in MatSci elsewhere – up to 45 units may be transferred within these guidelines. Transfer must be done in Autumn of first-year.
   b. You do not need to list other language classes, seminar units, activity courses, etc.

_____ I transferred _____ units, as I already have a Materials Science MS.

1. MATSCI 300 PhD Research – 75 units
   2. ______________________________
   3. ______________________________
   4. ______________________________
   5. ______________________________

Total residency units to count (87)_____

1Research units should be listed as PhD research units (MatSci 300) UNLESS:
   a) You did an MS Research Degree here at Stanford University with a separate MS Research Report for which MS research units were earned.
   b) You transferred in MS Research units toward your degree from another University where you received an MS degree in Materials Science and Engineering.

135 TOTAL DEGREE UNITS (1+2+3+4)

_____ I understand that my tuition will be lowered to TGR, upon successful completion and submission of these forms:
   • PhD Final Completion
   • Dissertation Reading Committee
   • Petition for Terminal Graduation Rate (TGR)

_____ I understand it is my responsibility to register for MatSci 802 for 0 units EACH QUARTER during TGR (I may enroll in up to 3 units during TGR).

_____ I understand that AT LEAST two weeks before I defend my dissertation, I need to submit the Oral Exam paperwork and an abstract.

Student: ____________________________ Date: __________

Research Advisor: ________________________ Date: __________

MatSci Co-Advisor: ________________________ Date: __________
(If your Research Advisor is from another department, you must have a MatSci Co-Advisor who also approves the FINAL COMPLETION.)

Student Services Manager: ________________________ Date: __________

Reading Committee Form Submitted: __________
TGR Form Submitted: __________
System Input: ____/____/____