

Doctor of Philosophy (Ph.D.) in Materials Science and Engineering Written Qualifying Examination Core Course Declaration Form

To fulfill the written qualifying requirement for the Doctor of Philosophy in Materials Science and Engineering, students must complete the following core courses:

- Two required **Materials Fundamentals Core** courses:
 - EMA 6316 and EMA 6136
- Two out of six designated **Materials Applications** courses:
 - Choose from EMA 6313, EMA 6580, EMA 6165, EMA 6581, EMA 6667, or EMA 6614

Students must earn a **grade of B or better** in each of the four selected courses (B- does not qualify) and must maintain a **minimum 3.0 GPA** across those courses.

Additional Requirements

- Core courses **must be declared prior to completing the third course** and **before registering for the fourth**.
- All core coursework must be completed **prior to the qualifying examination** and **no later than the end of the second year** in the program.

If a student earns below a B in one Materials Applications course or falls below the required 3.0 GPA after completing all four core courses, they may take a **fifth course** (selected from the Materials Applications list and declared **before the drop/add deadline** of the semester in which the fifth course is taken). The grade in the fifth course may replace one Materials Applications course for qualification purposes, though the original course will still count toward the cumulative GPA and major GPA. Materials Fundamentals courses may not be replaced. Failure to meet the written qualifying requirement by the specified deadlines and under this policy will result in termination from the Ph.D. program.

Additional Coursework

In addition to the written qualifying requirement, Ph.D. students must complete:

- Two semesters of EMA 6941 (Supervised Teaching, 2 credits per semester)
- EMA 6920 (Professional Development in Materials Science and Engineering, 1 credit), taken in the fall of the second year

Core Declaration Instructions:

- Students must discuss the core courses options with their faculty advisor.
- In addition to the two (2) Materials Fundamentals Core courses, students must choose two (2) Materials Applications courses to fulfill the core course requirement.
- Students must submit the advisor approved core declaration form to advisingforms@mse.ufl.edu.

Student Name (please print):	Student Signature:
UFID:	Date:

Materials Fundamentals Core Courses (both must be passed with B or better)

Course	Term Taken/To be Taken	Grade
EMA 6316 Materials Thermodynamics	Fall 20__	
EMA 6136 Diffusion, Kinetics and Transport	Spring 20__	

Materials Applications Course (select two, must be passed with B or better)

Course	Term Taken/To be Taken	Grade
EMA 6313 Materials Structure and Mechanical Properties	Fall 20__	
EMA 6580 Science of Biomaterials	Fall 20__	
EMA 6165 Polymer Physics	Fall 20__	
EMA 6581 Polymeric Biomaterials	Spring 20__	
EMA 6667 Polymer Processing	Spring 20__	
EMA 6114 Functional Properties of Materials	Spring 20__	

Supervisory Committee Chair Approval

Committee Chair Name (Please Print):	
Committee Chair Signature:	
Date:	

Graduate Coordinator Approval (If fifth core course is needed)

MSE Graduate Coordinator Name (Please Print):	
Committee Chair Signature:	
Date:	

Resources: [MSE Graduate Student Handbook](#)
 Questions? Email advising@mse.ufl.edu or schedule an [advising appointment](#)