

**Department of Mechanical Engineering and Engineering Science  
PhD Qualifying Examination Application**

Name

UNCC ID

Address

E-mail

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**Qualifying Examination for**

Semester

Year

**Examination Topics**

Mathematics - select 4 of 9 subjects

Vector Algebra

Linear Algebra

Calculus of One Variable

Calculus of Several Variables

Ordinary Differential Equations

Partial Differential Equations

Numerical Methods

Complex Variables

Probability and Statistics

Topic Exams - select 2  
*Numerical Methods may not be selected if chosen as a mathematics topic.*

Controls

Dynamics

Fluid Mechanics

Heat Transfer

Instrumentation

Manufacturing

Machine Design

Material Science

Metrology

Numerical Methods

Solid Mechanics

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**Tentative Dissertation Committee**

Advisor/Committee Chair  
(signature required)

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Committee Member 1

Committee Member 2

Committee Member 3

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Ph.D. students who have not already earned a Master's degree, or applied to earn a Master's degree en route to the Ph.D., are required to apply for the MSME through the Graduate School before they sit for the Qualifying Exam.

Please print this form and submit to the MEES Office, Duke 380 or via email at [tibeasure@uncc.edu](mailto:tibeasure@uncc.edu)