



Doctor of Philosophy Mechanical Sciences and Engineering

Course Matrix

**Mapping of the Program Goals to the Core Courses
February 2017**

Program Goals	Students will be able to demonstrate advance knowledge of the foundational principles of Mechanical Sciences and Engineering and the chosen specialization (Tag: Theory & Tools)	Students will be able to conduct high-quality original research in the broad field of Mechanical Sciences and Engineering (Tag: Research & Innovation/Problem Solving)	Students will be able to communicate and disseminate their knowledge to a broader audience (Tag: Scholarship)	Students will be able to demonstrate preparedness for varied responsibilities and opportunities of careers in industrial research and academia. (Tag: Research & Scholarship)
Qualifying Exam	X			
Preliminary Exam		X	X	X
Dissertation Defense		X	X	X