The following courses offered by the Department of Mathematics are accepted to meet the Mathematical Elective Requirement for the Ph.D. degree. No other Notre Dame courses will be accepted. Mathematics courses taken at another University as part of an awarded M.S. degree and transferred to Notre Dame may fulfill the mathematics elective requirement.

AME 60612 Mathematical Methods II
Math 60210 Basic Algebra I
Math 60620 Basic Algebra II
Math 60350 Real Analysis I
Math 60360 Real Analysis II
Math 60370 Basic Complex Analysis I
Math 60380 Basic Complex Analysis II
Math 60430 Basic Topology I
Math 60440 Basic Topology II
Math 60510 Basic Modern Logic I
Math 60520 Basic Modern Logic II
Math 60610 Discrete Mathematics
Math 60620 Optimization
Math 60630 Geometric Methods for Dynamical Systems
Math 60650 Basic Partial Differential Equations I
Math 60660 Differential Manifolds
Math 60690 Numerical Analysis I
Math 60790 Numerical Analysis II
Math 60850 Probability
Math 60860 Stochastic Modeling
Math 60920 Probabalistic Aspects of Linear Control and Optimization
Math 60950 Topics in Applied Partial Differential Equations

ACMS 50051 Numerical PDE Techniques for Scientists and Engineers
ACMS 60395 Numerical Linear Algebra
ACMS 60650 Applied Partial Diff Equations
ACMS 60690 Numerical Analysis I
ACMS 60790 Numerical Analysis II
ACMS 60852 Statistical Methods in the Biological and Health Sciences
ACMS 60885 Bayesian Statistics

CE 60123 Probabilistic Methods for Engineers and Scientists
CE 60130 Finite Elements in Engineering
CE 60140 Applied/Computational Probability for Engineers