

# BMA Course Requirements

**Student name:**

**Date entered program:**

**Degree sought (circle):**    **M.S.**    **M.BMA.**

The NCSU Graduate School requires at least 30 credit hours for a Master's degree, including at least 20 credit hours at the 500 or above level; other Graduate School requirements are described in the NCSU Graduate Catalog.

**Number of credit hours, from courses listed below:** \_\_\_\_\_

The requirements for the Master's degrees in BMA (M.S., M.BMA.) are 2 courses from the Biological Sciences core,

**Biology courses taken, incl. title, location and date:**

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ST 512R (or 511 and 512), plus 2 other courses from the Mathematical Sciences: Statistical theory: ST 521, 522, 546, 778, 779, 793, 794. Time series: ST 730, 782, 783. Stochastic processes: ST 746, ECE 714. Numerical analysis: MA 427, 428, 580, 584, 587, 780, 783, 785, 788. Ordinary differential equations: MA 532, 600, 601. Partial differential equations: MA 534, 734. Control theory: MA 531, 731.

**Mathematical Sciences courses taken, incl. title, location and date:**

ST 512R (or 511 and 512)	
	(extra)

and 3 Biomathematics courses, BMA 567 and 771-772; students with prior experience in modeling may substitute BMA 773 or 774 for BMA 567. Two semesters of BMA 801 must be taken for credit.

**Dates of Biomath Core courses taken**

BMA 771	BMA 772
BMA 567 or 773 or 774	BMA 801
(extra)	

The M.S. requires a written thesis, and the M.BMA. requires two additional courses and a project (typically based on a term project from one of the required BMA courses). Students planning to continue toward a Ph.D. degree after the M.S. or M.BMA. degree are encouraged to select courses which fulfill Ph.D. course requirements.

**For M.BMA. only,**

**Additional courses taken, incl. full title, location and date:**

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**Tentative title of project:**

**For M.S. only,**

**Tentative title of thesis:**

**For all students:**

**Additional courses which fulfill 30-credit-hour requirement, incl. title and date:**
