

**Summary of Requirements
for the
Combined BS Mathematics with concentration: Statistics – MS Statistics**

Undergraduate Component	2008 BS	BS-MS
I. GenEd Requirements	38-45	38-45
II. Mathematics Requirements (43)		
A. Math Core	19	19
B. Math Concentration	12	6 ¹
C. Math Electives	12	18
III. Collateral Requirements (14-15)		
A. Computer Science	6	6
B. Other	8 - 9	8 - 9
IV. Free Electives	<u>17-25</u>	<u>8-16²</u>
Total for BS	120	111*

* A student who withdraws from the program can graduate with a bachelor's degree by completing the requirements for the BS Mathematics with concentration: Statistics; e.g. a concentration course (3 s.h) can be used in place of the STAT courses in the 4th year of the sample work program.

Graduate Component	Current MS	BS-MS
I. Statistics Core	15-18	15
II. Statistics Electives	12	12 ³
III. Stat, Math, CompSci Electives	<u>3-6</u>	<u>6⁴</u>
Total for MS	33	33

Total credits for both degrees 153 s.h. 144 s.h.^{5,6}

Notes

1. The remaining (concentration) courses (6 s.h.) are satisfied by graduate courses (STAT 542 and 544).
2. The remaining free electives (9 s.h.) are satisfied by graduate courses.
3. If the thesis option is chosen, the course STAT 698 is a required statistics elective (II.B).
4. The courses Intermediate Statistical Methods and Research Methods in Statistical Science (STAT 552 and STAT 597) are required.
5. The combined BS-MS shares 9 s.h. between the two degrees as indicated in notes 1 and 2.
6. Students going on to the Ph.D. in Biostatistics at UMDNJ must write a thesis. For others a thesis is highly recommended but successful completion of a 3-hour written comprehensive examination is an option.