

**Summary of Requirements
for the
Combined BS Mathematics - MS Statistics**

<u>Undergraduate Component</u>	<u>2008 BS</u>	<u>BS-MS</u>
I. GenEd Requirements	41-44	41-44
II. Mathematics Requirements (43)		
A. Math Core	19	19
B. Math Specialization	9	9
C. Math Electives	15	15 ¹
III. Collateral Requirements (11)		
A. Computer Science	3	3
B. Physics	8	8
IV. Free Electives	<u>22-25</u>	<u>13-16²</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 degree. For example, 6 s.h. of free electives may be used in place of 500 level courses in the sample work program.

<u>Graduate Component</u>	<u>Current MS</u>	<u>BS-MS</u>
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 course, Fundamentals of Modern Statistics I (STAT 330), is a required elective for the combined BS-MS program.
2. The remaining undergraduate free electives (9 s.h.) are satisfied by graduate courses (STAT 542, STAT 544, and STAT 552).
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 note 2 above.
6. Students going on to the Ph.D. in Biostatistics at UMDNJ must write a thesis. For other students in the program, a thesis is highly recommended but successful completion of a 3-hour written comprehensive examination is an option.