# Recommended Plan of Study for Mathematics BS / Biostatistics MS

**Fall (1)**
- Calc I: Math:1850 4 s.h.
- Intro to Linear Algebra MATH:2700 4 s.h.

**Spring (1)**
- Calc II: Math:1860 4 s.h.
- Math Elective Num. Analysis MATH:3800 4 s.h.

**Fall (2)**
- Calc III: MATH:2850 4 s.h.
- Computer Sci I: Fundamentals CS:1210 4 s.h.

**Spring (2)**
- Optimization Techniques MATH:4820 3 s.h.
- Fund Prop Spaces & Funct. MATH:3770 4 s.h.

**Fall (3)**
- Large Data Analysis MATH:4740 3 s.h.
- Math Stat I STAT:4100 * 3 s.h.
- Math Stat II STAT:4101 * 3 s.h.
- Bios Methods I BIOS:5710 * 4 s.h.

**Spring (3)**
- Biostat Computing BIOS:5510 4 s.h.
- Bios Methods II BIOS:5720 * 4 s.h.
- MS Core Examination (July)
- Bios Methods Categorical Data BIOS:5730 3 s.h.

**Fall (4)**
- Option: EPID:4400 3 s.h.
- CPH:6100 Essentials of Public Health 2 s.h.
- Biost Elective 9 s.h.

**Spring (4)**
- Epi I EPID:4400 3 s.h.
- Preceptorship BIOS:7500 3 s.h.

**Sum (5)**
- Stat Methods Clinical Trials BIOS:6610 3 s.h.

**Fall (5)**
- Biost Elective 5 s.h.

**Spring (5)**
- Scholarly Integ. Biostatistics BIOS:7270 1 s.h.

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(1) 12 s.h. of MATH electives cross count for BS and MS s.h. (green box), but these courses must be taken after application to the MS program; therefore, they must occur in the 4th year of study. A maximum of 12 s.h. graduate credit may be accrued in year-4.
(2) STAT:5100/5101 may substitute for STAT:4100/4101 in year-4
(3) STAT:4100/4101 and BIOS:5710/5720/5730 (*) are MS core courses and should be taken in 4th year of study.
(4) minimum 26 s.h. graduate credit after receiving Bachelor degree

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**Apply to U2G (4+1) program in at 80 credits and GPA of 3.25**
**Begin BS-MS**
**Receive BS in Math at end of 4th year**
**Receive MS Biostatistics**