Sample Four Year Plan for Math Major/Stats Concentration

This plan satisfies minimum requirements in both areas and assumes no previous credit for either calculus or elementary statistics

Year	Fall	Interim	Spring
FY	o **M 120: Calculus I** o o o	o	o **M 126: Calculus II** o o o
So	o **M 220: Linear Algebra** o S 212: Statistics for Science, if necessary o o	o	o ***M 262: Probability*** *(d)* o **S 272: Statistical Modeling* o o
Jr	o ****S 322: Statistical Theory*** *(c,d)* o ***M 242 or 244 or 252** (a) o o	o	o *S 316: Adv. Statistical Modeling* o ***M 242 or 244 or 252** (a) o o
Sr	o **Level II or III Math course** o o o	o **Math 356** or **Practicum**	o **Level II or III Math course** o o o

Courses in italics satisfy statistics concentration. Note the following prerequisite and scheduling restrictions:

- Statistics 272, Statistical Modeling (Both semesters)
- Statistics 316, Advanced Statistical Modeling (272) (Spring only)
- Mathematics 262, Probability Theory (Both semesters)
- Statistics 322, Statistical Theory (Pre: 272, 262) (Fall only

Courses in bold satisfy mathematics major requirements include calculus I and II (or equivalent), Linear Algebra, and 7 courses above Linear, including:

a. Two of 242, 244, 252
b. Courses from three of the four perspectives: axiomatic, continuous, discrete, modeling
c. Two level III, at least one mathematics and at least one that is sequenced with a level II
d. Total of two CS or Statistics courses can be counted toward the math major.

(In this sample schedule, the following courses are counted toward the 7 above Linear: M262; two of M242, M244, M242; M356 or Practicum, S322, and two more math courses during senior year. M262 and S322 are labeled as the courses that double count for both math and statistics.)

Sample Four Year Plan for Math/MathEd/Stats Concentration

This plan satisfies minimum requirements in all three areas and assumes no previous credit for either calculus or elementary statistics

Year	Fall	Interim	Spring
FY	o ***M 120: Calculus I** o o o	o	o ***M 126: Calculus II** o o o
So	o ***M 220: Linear Algebra** o S 212: Statistics for Science, if necessary o Ed 290 o	o	o ****M 262: Probability (d)*** o **S 272: Statistical Modeling ©* o Ed 372 (1/2) o o
Jr	o ****S 322: Statistical Theory (c,d)*** o ***M 244 or *252 (a)** o Ed 330 o Ed 375 (1/2) o	o Education Interim	o *S 316: Adv. Statistical Modeling* o ***M 244 or *252 (a)** o Ed 350 o
Sr	o Student Teaching and other Ed courses	o **M *356: Geometry(c)**	o ***M 232: Discrete Math** o o o

Courses in italics satisfy statistics concentration. Note the following prerequisite and scheduling restrictions:

- Mathematics 232, Discrete Math (Spring)
- Statistics 316, Advanced Statistical Modeling (Pre: 272) (Spring only)
- Mathematics 262, Probability Theory (Both semesters)
- Statistics 322, Statistical Theory (Pre: 272, 262) (Fall only

Bold courses satisfy one or more of the following mathematics major requirements as part of the general requirements of calculus I and II (or equivalent), Linear Algebra, and 7 courses above Linear, including:

a. Two of 242, 244, 252
b. Courses from three of the four perspectives: axiomatic, continuous, discrete, modeling
c. Two level III, at least one mathematics and at least one that is sequenced with a level II
d. Total of two CS or Statistics courses can be counted toward the math major

Starred courses* are math and statistics courses that fulfill Minnesota licensing requirements for teaching grades 5-12 mathematics: M120, M126/8, M220, M232, M244, M252, M262, M356, S272 or S322. Math 262 and Statistics 322 count for both Math Major and Statistics Concentration.

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