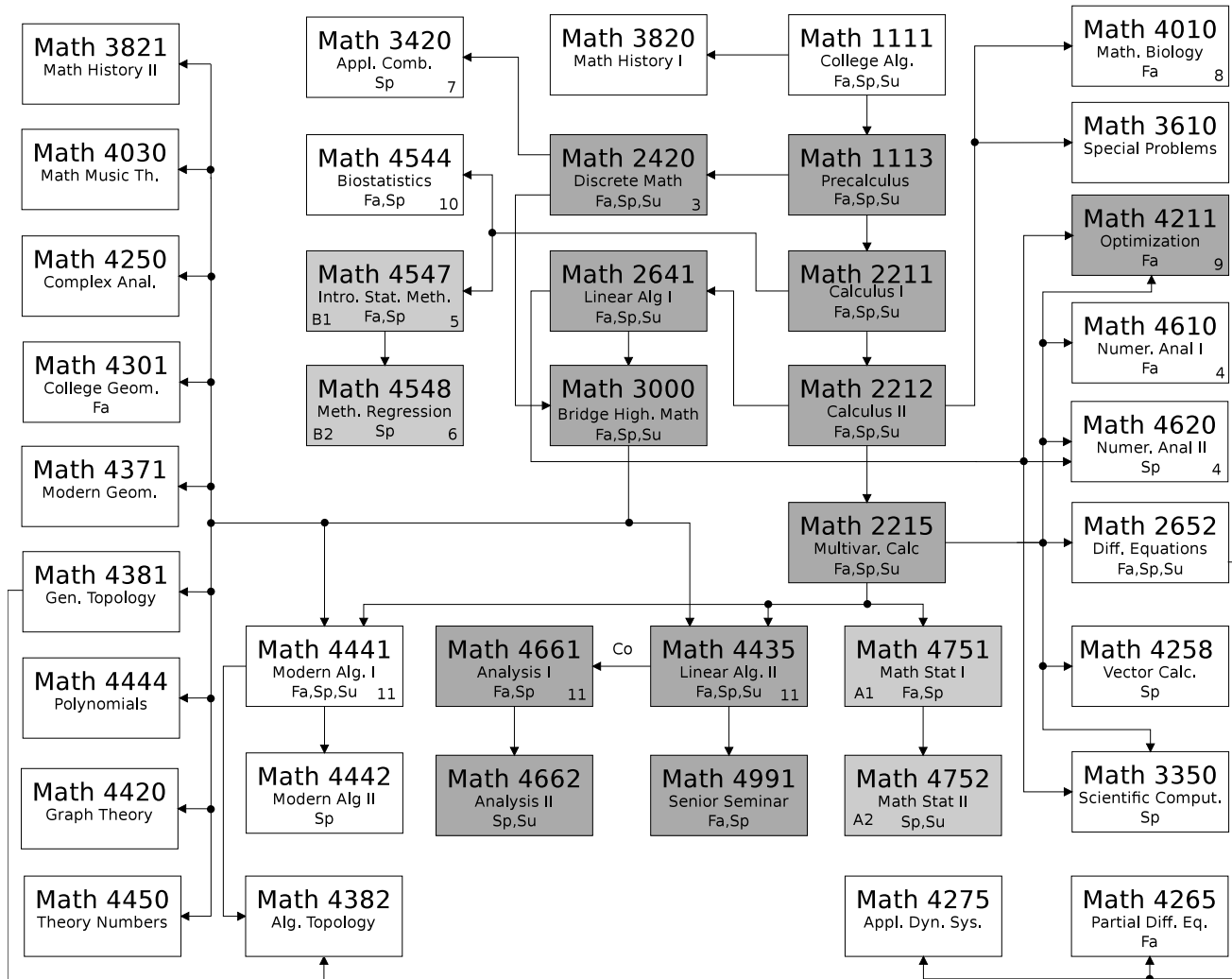


Mathematics and Statistics Course Chart (BS with Concentration in Managerial Sciences)

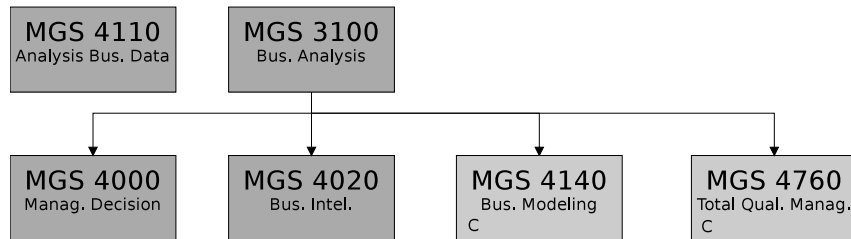


1. Prerequisites always require a grade of C or higher.
2. Corequisites are marked with “Co.”
3. Courses that have Math 1113 as a prerequisite can also use Math 2211 as a prerequisite.
4. Math 4610 and 4620 also require the ability to program in a high level language. Math 3030 can satisfy the prerequisite of Math 4620.
5. For Math 4547, Math 1220 can replace Math 2211 as the prerequisite.
6. For Math 4548, Math 4752 can replace Math 4547 as the prerequisite.
7. For Math 3420, Math 2212 can serve as the prerequisite instead of Math 2420.
8. For Math 4010, Math 1220 can serve as the prerequisite instead of Math 2212.
9. For Math 4211, Math 3030 can serve as the prerequisite instead of Math 2215 and Math 2641.
10. Math 4544 also requires Biol 1104K, 1108K, or 2108K with a grade of C or higher.
11. Math 2215, Math 2641, and Math 3000 are all prerequisites of Math 4435, 4441, and 4661. These are not all shown on the chart when they are enforced implicitly by another prerequisite or corequisite.

Notes on Degree Requirements:

- Shaded courses are required for the Math BS with concentration in Managerial Sciences.
- Majors in this concentration should take either the sequence A1 and A2 or the sequence B1 and B2.
- One additional upper level math course is also required.
- CSc 1301 and CSc 1302 are required.
- Courses that cannot count toward a math major are excluded from the chart. Note that the upper level courses Math 3030, 3050, 3070, and 3090 are specifically excluded from the major and minor. At most one of Math 4544 or 4547 can count toward a math major or minor.
- The courses in the calculus sequence, Math 2420, Math 2641, and Math 3000 should be as taken soon as prerequisites are satisfied in order to avoid a delay in starting upper level courses that might result in a delay in graduation. Pay attention to course sequencing and scheduling when planning for graduation.

Required Managerial sciences Courses



1. MGS courses typically have business prerequisites that are not shown and not typically taken by math majors in this concentration. Students will need to request prerequisite waivers from the Department of Managerial Sciences to gain entry the courses. MGS 4000 and MGS 4110 need to be taken after completing either Math 4547 or Math 4752.

Notes on Degree Requirements:

- Managerial Sciences courses that are required for the Math BS with concentration in Managerial Sciences are shaded.
- Majors in this concentration should take one course from group C.
- Majors in this concentration should take one additional Managerial Sciences course, preapproved by the director of undergraduate studies. (The 2017/18 catalog specifies MGS 4120, which is no longer offered; the additional preapproved course is to substitute for MGS 4210 until the catalog is updated).