

AMS MAJOR REQUIREMENT CHECKLIST

NAME _____ ID # _____

Checklist for Major Requirements for Applied Mathematics & Statistics

(write in the semester & year you took the courses, i.e. Spring 08)

_____ 1. (calculus sequence) AMS 151 & 161, or MAT 131 & 132 or MAT 125 & 126 & 127,
or MAT 141 & 142, or MAT 171

_____ 2. (multivariable calculus) AMS 261, or MAT 203, or MAT 205

_____ 3. (linear algebra) AMS 210 or MAT 211

_____ 4. (computer programming) CSE 110, or CSE 114, or CSE 130 or ESG 111, or
MEC 112, or MEC 111, ESE 124, or MAT 331

_____ 5. AMS 301 & AMS 310 (students w/equivalent to 310 must take 311)

_____ 6. Six additional courses of **301 level and above**. At most 2 of the 6 courses can be counted from the following courses: AMS 475, AMS 476, AMS 487, non-AMS upper division mathematically oriented courses. Non AMS courses may include MAT, PHY, CSE, ENG, as well as selected ECO and BUS courses, such as ECO 321, ECO 348, ECO 303 & ECO 355. Be sure to check with the AMS department if the non-AMS course you want to take will fulfill the AMS requirement.

(record each course number)

a. AMS _____ 3 credits d. AMS _____ 3 credits

b. AMS _____ 3 credits e. _____ 3 credits

c. AMS _____ 3 credits f. _____ 3 credits

_____ 7. (Writing requirement) AMS 300 or satisfaction of writing requirement in another major, or significant **technical** writing for another course, for example AMS 318 or AMS 441. They each require a paper, and thus, will fulfill the AMS 300 requirement.

ECO 355 = AMS 335, MAT 305 = AMS 361, MAT 312 = AMS 351

AP Courses: Calc AB (4/5) = MAT 131, Calc BC (4/5) = MAT 131, 132

CompSci A (3) = CSE 110, CompSci AB (3) = CSE 110, CompSci AB (4/5) = CSE 114 with CSE 110 req. waived