

# 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 courses of **300 level and above** AMS courses. Two of these courses may be substituted with math-oriented, 300 level courses in other depts., including MAT, PHY, CSE, ENG, as well as **selected** ECO and BUS courses, such as ECO 303 & 305, or ECO 321 or ECO 348, or BUS 355. Be sure to **check** with the AMS dept 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