AMS MAJOR REQUIREMENT CHECKLIST
For students entering the AMS major on or before Spring 2013

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

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 101 & 102, or 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 305, BUS 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, AMS 333 or AMS 441. 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