AMS MAJOR REQUIREMENT CHECKLIST
(Letter grade of “C” or better must be earned)

For students entering the AMS major AFTER Spring 2013

Name: ________________________  ID # ________________________

Checklist for Major Requirements
For Applied Mathematics and Statistics

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 101; or CSE 110; or CSE 114; or CSE 130; or ESG 111; or MEC 101 & 102; or ESE 124; or MAT 331; or PHY 277; or ISE 108; or BME 120

5. AMS 301 & AMS 310 (students with equivalent to 310 must take 311)

6. AMS 315; or AMS 361; or MAT 303; or MAT 305

7. Six additional courses of 301 level and above. At most, two (2) of the six (6) courses can be counted from the following courses: AMS 475, AMS 476, AMS 487, non-AMS upper division mathematically or computer programming-oriented courses. Non-AMS courses may include MAT, PHY, CSE, ENG as well as ECO and BUS courses, such as ECO 303 & ECO 305; ECO 321; ECO 348; BUS 355. Be sure to check with the AMS Department if the non-AMS course you select will satisfy the AMS requirement.

   a. AMS __________ 3 credits
   b. AMS __________ 3 credits
   c. AMS __________ 3 credits
   d. AMS __________ 3 credits
   e. ____________ 3 credits
   f. ____________ 3 credits

8. (writing requirement) AMS 300 or satisfaction of writing requirement in another major, or significant technical writing for another course (example, AMS 318, AMS 333, or AMS 441.) Each requires a paper which will satisfy the AMS 300 requirement.

ECO 355 = AMS 335; MAT 312 = AMS 351